Crown Castle
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

April 29, 2024

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

RE: **Notice of Exempt Modification for Verizon Wireless: 5000233331**
Crown Site ID# 876345
33 Janowski Road, Ashford, CT 06278
Latitude: 41° 57′ 7.7″ / Longitude: -72°11′ 43.9″

Dear Ms. Bachman:

Verizon Wireless currently maintains fifteen (15) antennas at the 182-foot mount on the existing 192-foot monopole tower located at 33 Janowski Road, Ashford, CT. The property is owned by Martin Carolyn M L/U and Tower are owned by Crown Castle. Verizon now intends to add four (4) interference mitigation filters at the 182ft level. This modification/proposal includes hardware that is both 4G (LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

Panned Modification:

Tower:

Install New:
(4) Kaelus BSF0020F3V1- Interference Mitigation Filters

The facility was approved by the Town of Ashford Planning & Zonin Commission on November 12, 1996.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §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 Catheryn Silver – Smith, First Selectwomen, Town of Ashford, Michael D'Amato, ZEO, Town of Ashford. Martin Carolyn M L/U, Property Owner. Crown Castle, tower owner, Land and Tower Owner

1. The proposed modifications will not result in an increase in the height of the existing tower.

2. The proposed modifications will not require the extension of the site boundary.

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

4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communication Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, Verizon Wireless respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2). Please send approval/rejection letter to Attn: Jeffrey Barbadora.

Sincerely,

Jeffrey Barbadora
Permitting Specialist
1800 W. Park Drive
Westborough, MA 01581
(781) 970-0053
Jeff.Barbadora@crowncastle.com

Attachments
cc:

Catheryn Silver – Smith, First Selectwomen
Town of Ashford
5 Town Hall Road
Ashford, CT 06278
(860) 487-4400

Michael D'Amato, ZEO
Town of Hebron
Town of Ashford
5 Town Hall Road
Ashford, CT 06278
(860) 487-4400

Martin Carolyn M L/U, Property Owner
33 Janowski Road
Ashford, Ct 06278

Crown Castle, Tower Owner

FILE SITE #204
SKY HILL
ZONING

RECEIVED
11-13-96

MINUTES - ASHFORD PLANNING AND ZONING COMMISSION

Annual Meeting - November 12, 1996

Members present: Organ, Lawrence, Nagy, Levaur, Rossman, McCarthy & White.

Alternates present: Bartok & Specyalski.

The meeting was called to order at 9:55 p.m. after the public hearing (Sprint Spectrum, tower & Moratorium, Lake Chaffee).

Specyalski is the voting alternate for this meeting.

At the Annual Town meeting, Alex Hastillo and Kevin McCarthy were elected to 4 year terms on the Commission ending in the year 2000 and Bartok was elected to a 3 year term as Alternate ending in 1999.

Moved and seconded to consider Old and New Business first. Passed without dissent.

The Commission considered the Sprint Spectrum application for a communications tower to be located on Sky Hill. There were no objections at tonights public hearing. The tower will be able to hold three sets of antennas. Sprint Spectrum will operate a PCS digital system. It is regulated by the FCC. There will be no lights on the tower. Access will be off Frontage Road to Janowski Road to avoid the wetlands on the east end of Janowski Road. Moved and seconded to approve with conditions the application for a Special Exception under Section 5.2.3 by Sprint Spectrum L.P., Meriden, CT for a 200' communications tower to be located on land leased from David H. Martin off Janowski Road on Sky Hill.

The conditions are:
1. Utilities to the site which is approximately 2500' from Janowski Road will be located underground in the right of way.
2. Space and installation of fire, emergency and municipal communications equipment to meet present and future needs will be provided at no cost.
3. A copy of the liability insurance will be submitted to the Commission.
4. A site plan including driveway design and sedimentation and erosion control measures will be submitted to the Commission before the construction begins.
5. A copy of the lease will be part of the land records.

Motion passed without dissent.

The Commission considered the proposed Moratorium at Lake Chaffee. Tim Backus, Chairman of the Water Pollution Control Authority was the only person to speak at the public hearing. Moved and seconded to approve the following:

Moratorium at Lake Chaffee

WHEREAS, the Department of Environmental Protection has cited the Town of Ashford and the Lake Chaffee Improvement Association, Inc. to study and report upon potential pollution at Lake Chaffee resulting from construction around the lake; and

WHEREAS, the Department of Environmental Protection has found pollution in the tributaries leading to the lake, and

WHEREAS, there is a reasonable expectation that the recommendation of the study may be to limit new construction in that area, or as an alterative to require that homes in the area be connected to an alternative type of sewage disposal system, and

WHEREAS, this Commission does not want to allow any deterioration of the water in the lake or tributaries;

The Planning and Zoning Commission of the Town of Ashford, pursuant to the authority vested in it by Section 8-2 of Connecticut General Statutes, hereby amends the zoning regulations of the Town of Ashford by adoption of the following Moratorium:

"Until December 31, 1997, there shall be no new house construction allowed within the area of Lake Chaffee Improvement Association, Inc. nor any enclosed addition to any existing house in that area. The Zoning Enforcement Officer may not in that period certify that any new construction is in conformity with the zoning regulations of the town."

Motion passed without dissent.

The reasons for reinstating the moratorium include:
1. There is need for more testing of the water and septic systems in the area.
2. There have been minimal applications for construction since the last moratorium was lifted.
3. The WPCA is seeking on-site solutions.
4. There are several sets of vacant lots that may be valuable for sewage disposal systems.

Specyalski stepped down for the next item of business.

Brialee Campground - Brian Specyalski submitted a plan for a six additional campsites at the campground. It was noted that three of these butt onto adjoining property that is owned by the State of Connecticut. The others have a 100' setback that has been the minimum acceptable to the Commission. Moved and seconded to receive the plan and hold a public hearing on December 9th. Passed without dissent. A new map showing only the three sites that meet the setback requirements will be submitted. The Commission will walk the site a 7 a.m. on Saturday November 16th.

The Commission returned to the top of the agenda.

Moved and seconded to approve the minutes of the October 15th meeting. Passed without dissent.

Moved and seconded to send a letter of appreciation to George Quirk Sr., retiring member for his many years of service to the Commission. Passed without dissent.

There were no bills.

A copy of the revised Small Cities Housing Plan was received from the Office of the Selectmen. It will go to a public hearing in December. Copies will be distributed to the Commission members for review.

The revised fee schedule was approved by Town Meeting in October.

Moved and seconded to add to the agenda the election of officers and reappointment of employees. Passed without dissent.

Moved and seconded to reelect the following officers to serve until the next annual meeting of the Commission: Sidney E. Organ, Chairman, Alex Hastillo, Vice Chairman and John Bartok, Secretary. Passed without dissent. The Secretary will cast one ballot for each.

Moved and seconded to reappoint Rudolph Makray, Zoning Enforcement Officer and John Bartok, Recording Secretary for one year or until the next annual meeting. Passed without dissent.

The Commission agreed to hold a Special Meeting on Monday, December 16th at 7 p.m. to review the draft of the revised Plan of Development.

The meeting adjourned at 10:55 p.m.

Respectfully submitted.

John W. Bartok, Jr.
Recording Secretary

LEGAL NOTICE

Town of Ashford

The Ashford Planning and Zoning Commission at its meeting on November 12, 1996 took the following actions:

APPROVED with conditions the application of Sprint Spectrum, L.P., Meriden, CT for a 200' communications tower to be built on the David Matin property located off Route 89 on Sky Hill.

APPROVED a request by the Ashford Water Pollution Control Authority to reenstate the moratorium at Lake Chaffee until December 31, 1997 that prohibits construction of new houses or enclosed additions to any existing house.

Dated in Ashford, Connecticut this 14th day of November, 1996.

John W. Bartok, Jr., Sec.
Ashford Planning and,
Zoning Commission

Ashford

Unique ID: 00007410 **Card No:** 1 Of 1

Location:	33 JANOSKI RD	Map Id:	02 F 1.1	Zone:		Date Printed:	4/29/2024
		Neighborhood:	C3			Last Update:	4/29/2024

Owner Of Record	Volume/Page	Date	Sales Type	Valid	Sale Price
MARTIN CAROLYN M L/U	0200/0736	12/4/2020	Quit Claim	No	0
MARTIN STEVEN REMAINDERMAN, C/O SPRINT SPECTRUM CT-03XC04, PO BOX 8430, KANSAS CITY,			Exempt		

Prior Owner History

MARTIN FAMILY LIV TR DTD 6/20/05	MARTIN CAROLYN M TRUSTEE	0197/0876	1/31/2020		No	0
MARTIN FAMILY LIV TR DTD 6/20/05	MARTIN DAVID H + CAROLYN M TRUSTEES	0194/0885	10/15/2018		No	0
MARTIN DAVID H	C/O SPRINT SPECTRUM CT-03XC204	0109/0811	9/30/1996		No	0

Permit Number	Date	Permit Description
23-92E	7/31/2023	WIRING OF NEW DISH WIRELESS CELLULAR FACILITY TO INCLUDE 200AMP SERVICE. WIRING OF FIBER CABINET. AN
23-98B	6/5/2023	INSTALL 3 ANTENNAS, 6 NEW RRU AND ASSOCIATED EQUIPMENT TO EXISTING TOWER. REAPPLYING FOR EXPIRED PE
23-41E	4/27/2023	TALE OVER TENANT LOCATION (METRO PCS) FOR NEW TENANT DISH WIRELESS. 200 AMP FEEDER FROM EXISTING SE
22-108B	8/5/2022	INSTALL 3 NEW ANTENNA. REMOTE RADIO UNITS + EQPMT
22-96B	7/11/2022	T-MOBILE ADDING NEW MW DISH + ANTENNAS TO EXISTING EQPMT
20-39B	4/21/2020	T MOBILE REPLACING 6 EXISTING ANTENNAS

Supplemental Data

Census/Tract		VisionPID	65
Dev Map ID		Incr Reason	
GIS ID		Conc Fdnt St	
Route		TC Map#	
District		PA490 Info	
Utilities			

Appraised Value

Total Land Value	401,400
Total Building Value	0
Total Outbldg Value	111,600
Total Market Value	513,000

Acres

Land Type	Acres	490	Total Value
Commercial Excess	0.47	0.00	1.400
Commercial Primary Vacant	0.23	0.00	400.000
Total	0.7000	0.00	401,400

State Item Codes

Code	Quantity	Value
52-Commercial Vacant Land	0.23	280.000
25-Commercial Outbuilding	5.00	78.120
21-Commercial Land	0.47	980

Assessment History (Prior Years as of Oct 1)

	2024	2023	2022	2021	2020
Land	280,980	280,980	280,980	280,980	124,000
Building	0	0	0	0	0
Outbuilding	78,120	78,120	78,120	78,120	128,200
Total	359,100	359,100	359,100	359,100	252,200

490 Appraised Totals

Type	Acres	Value	Type	Acres	Value
			Totals	0.00	0

Application Date: Expiration Date:

Comments

Information may be deemed reliable, but not guaranteed. Revaluation Date: 10/1/2016

Unique ID: 00007410

Ashford

Location:	33 JANOSKI RD	Unit	

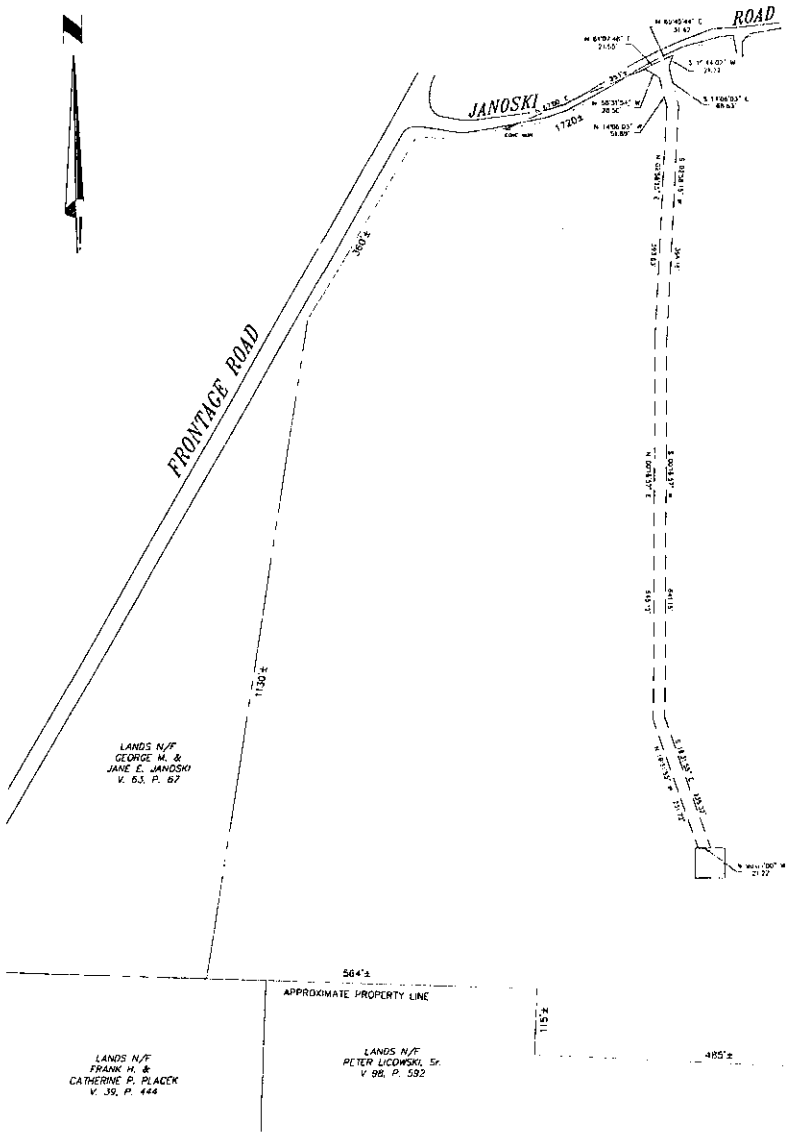
Commercial Building Description	Description	Area/Qty
Building Use		
Class		
Overall Condition		
Construction Quality		
Stories		
Year Built		
Remodel		
Percent Complete		
GLA		
Basement		
Basement Area		
HVAC		
Heating Type		
Fuel Type		
Cooling Type		
Interior		
Floors		
Walls		
Wall Height		
Exterior		
Exterior Walls		
Roof Type		
Roof Cover		
Special Features		

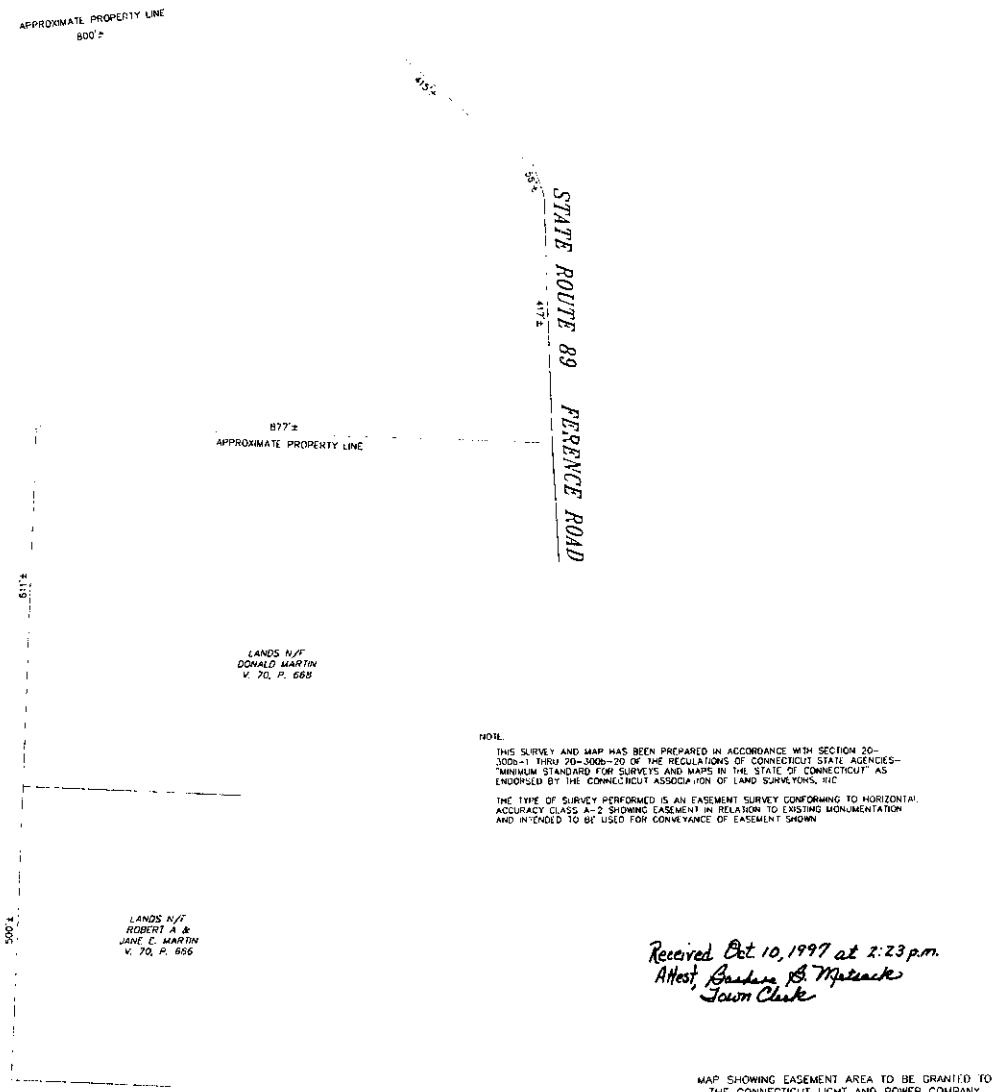
Attached Component Computations

Type	Yr Blt	Area/Qty

Detached Component Computations

Type	Year	Condition	Area/Qty	Type	Year	Condition	Area/Qty





NOTE:

THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES- "MINIMUM STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC.

THE TYPE OF SURVEY PERFORMED IS AN EASEMENT SURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 SHOWING EASEMENT IN RELATION TO EXISTING MONUMENTATION AND INTENDED TO BE USED FOR CONVEYANCE OF EASEMENT SHOWN.

Received Oct 10, 1997 at 2:23 p.m.
Attest, Barbara B. Matsack
Town Clerk

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

Wayne L. Dionne — FEBRUARY 22, 1997
DATE

WAYNE L. DIONNE L.S. No. 16528
KISSON, HARBOUR & ASSOCIATES LLP
799 SILAS DEANE HIGHWAY
ROCKY HILL, CT 06067

MAP SHOWING EASEMENT AREA TO BE GRANTED TO THE CONNECTICUT LIGHT AND POWER COMPANY ACROSS THE PROPERTY OF

DAVID H. MARTIN
FERENCE ROAD, ASHFORD, CT

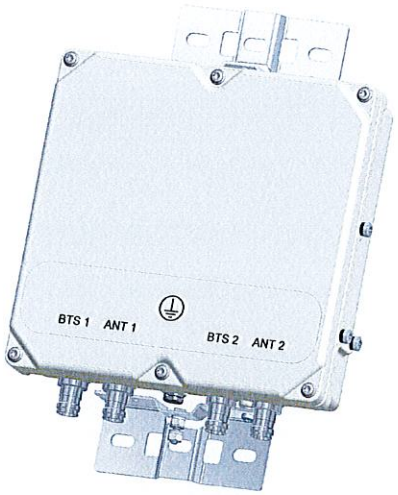
SCALE: 1" = 100' DATE: 2/27/97

FILE NO:_____ DWG NO:_____

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

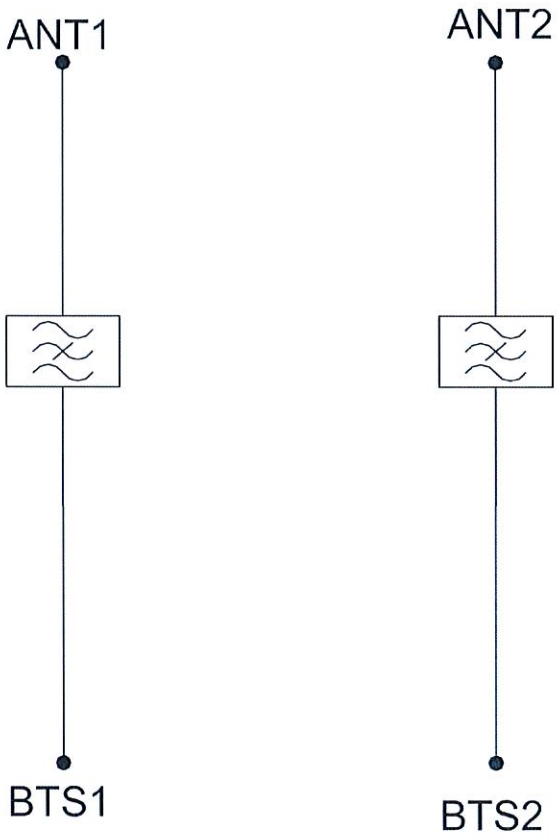
MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm | 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg | 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter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

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

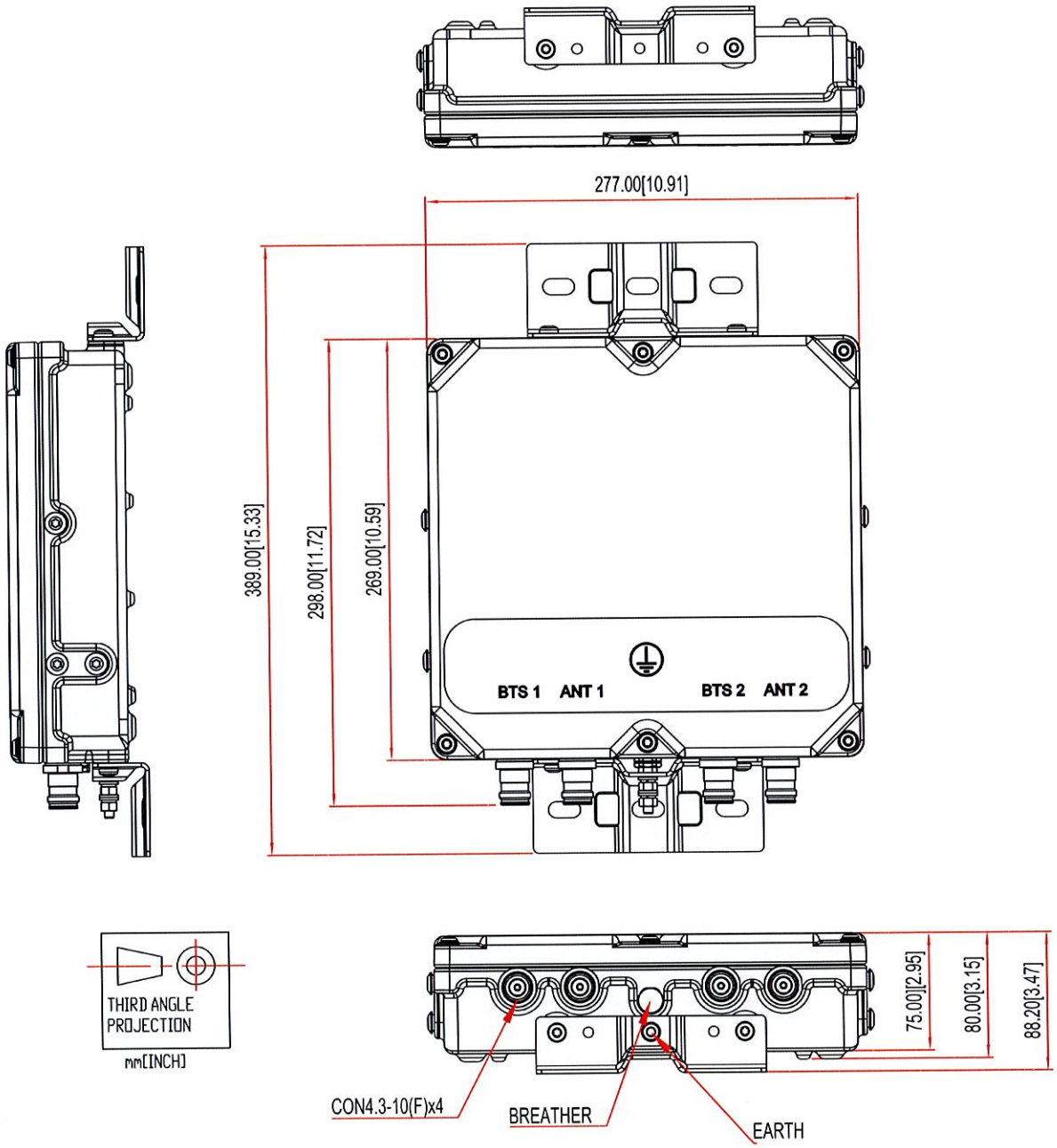
ORDERING INFORMATION

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



MECHANICAL BLOCK DIAGRAM



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

Barbadora, Jeff

From: TrackingUpdates@fedex.com
Sent: Tuesday, April 30, 2024 1:50 PM
To: Barbadora, Jeff
Subject: FedEx Shipment 776153190160: Your package has been delivered

Hi. Your package was delivered Tue, 04/30/2024 at 1:42pm.

Delivered to 5 TOWN HALL RD, ASHFORD, CT 06278
Received by K.ZULICK

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	776153190160
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	Town of Ashford Catheryn Silver, First Selectwoman 5 Town Hall Road ASHFORD, CT, US, 06278
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 4/29/2024 05:56 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	ASHFORD, CT, US, 06278
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

Barbadora, Jeff

From: TrackingUpdates@fedex.com
Sent: Tuesday, April 30, 2024 1:50 PM
To: Barbadora, Jeff
Subject: FedEx Shipment 776153211529: Your package has been delivered

FedEx

Hi. Your package was delivered Tue, 04/30/2024 at 1:42pm.

Delivered to 5 TOWN HALL RD, ASHFORD, CT 06278
Received by K.ZULICK

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	776153211529
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	Town of Ashford Michael D'Amato, ZEO 5 Town Hall Road ASHFORD, CT, US, 06278
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 4/29/2024 05:56 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	ASHFORD, CT, US, 06278
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

From: TrackingUpdates@fedex.com
To: Barbadora, Jeff
Subject: FedEx Shipment 776153273078: Your package has been delivered
Date: Tuesday, April 30, 2024 5:26:34 PM

FedEx

Hi. Your package was delivered Tue, 04/30/2024 at 5:18pm.

Delivered to 33 JANOSKI RD, ASHFORD, CT 06278

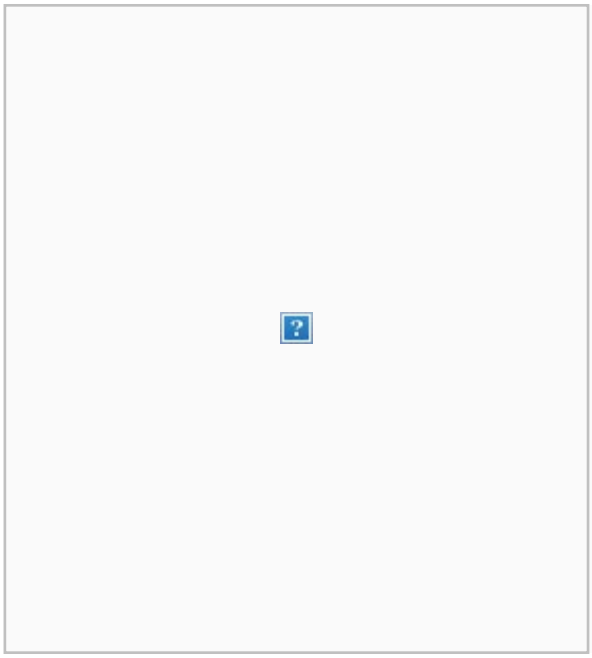
OBTAIN PROOF OF DELIVERY

Delivery picture not showing? View in browser.

How was your delivery ?

TRACKING NUMBER	776153273078
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	Property Owner Martin Carolyn M L/U 33 Janowski Road ASHFORD, CT, US, 06278
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 4/29/2024 05:56 PM
DELIVERED TO	Residence
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	ASHFORD, CT, US, 06278

SPECIAL HANDLING	Deliver Weekday Residential Delivery
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight



Absolutely, positively committed to you

Every delivery deserves extra care. Even if it means one of our drivers takes on the role of ringbearer for a customer's wedding. We'll work to make your next delivery special too.

WATCH FEDEX IN ACTION

FOLLOW FEDEX

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 4:26 PM CDT 04/30/2024.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

Thank you for your business.

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 #: 10206819
Colliers Engineering & Design CT. P.C. Project #: 23777121

July 11, 2023

Site Information	*Site ID:*	*5000233331-VZW / WESTFORD CT*
	Site Name:	*WESTFORD CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*264 Janoski Rd.* *Ashford, Connecticut 06278* *Windham County*
	Latitude:	*41.952139°*
	Longitude:	*-72.195528°*
Structure Information	*Tower Type:*	*Self Support*
	Mount Type:	*16.00-Ft Sector Frame*

FUZE ID # 17123855

Analysis Results

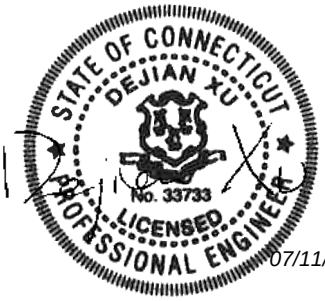
Sector Frame: **79.1% Pass***

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

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com

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

Report Prepared By: Selene Chen



07/11/2023

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 325105, dated August 13, 2021*
Mount Mapping Report	*RKS Design & Engineering, LLC, Site ID: CC: 876345, dated March 23, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777346, dated August 30, 2021*
Filter Add Scope	*Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.962
Seismic Parameters:	S_S:	0.181 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
180.00	182.50	3	Samsung	MT6407-77A	Retained
	181.00	6	Commscope	JAHH-65B-R3B	
		6	Antel	LPA-80080/4CF	
		2	Raycap	RRFDC-3315-PF-48*	
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		4	KAelus	BSF0020F3V1-1	Added
	179.00	3	Samsung	XXDWMM-12.5-65-8T-CBRS	Retained

* Equipment is flush mounted directly 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
Standoff Bar	*79.1 %*	*Pass*
Face Horizontal	*35.7 %*	*Pass*
Standoff Horizontal	*23.0 %*	*Pass*
True Standoff Diagonal	*23.7 %*	*Pass*
Standoff Vertical	*36.2 %*	*Pass*
Antenna Pipe	*23.3 %*	*Pass*
Tie Back	*10.2 %*	*Pass*
Connection Check	*41.1 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**79.1%**

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	21.3	14.4	30.4	23.5
0.5	31.6	21.5	44.6	34.5
1	41.3	28.0	58.1	44.8

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.

Contractor shall verify previous project by Maser Consulting Connecticut dated August 30, 2021 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications**.
Contractor shall install proposed filters on existing top face horizontal next to position 3 mount pipe (2 per Alpha & Gamma sectors.

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 #: 5000233331 SMART Project #: 10206819 Fuze Project ID: 17123855

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

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

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

Issue:

Contractor shall verify previous project by Maser Consulting Connecticut dated August 30, 2021 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications**. Contractor shall install proposed filters on existing top face horizontal next to position 3 mount pipe (2 per Alpha & Gamma sectors.

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:

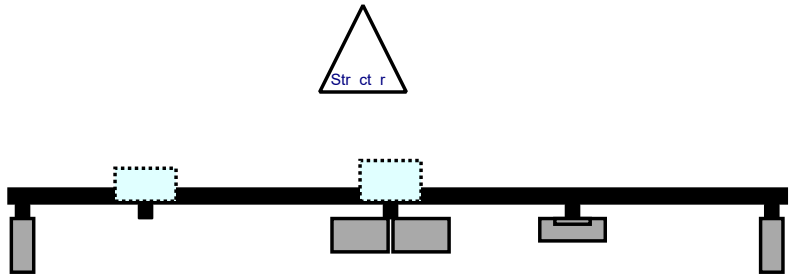
☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

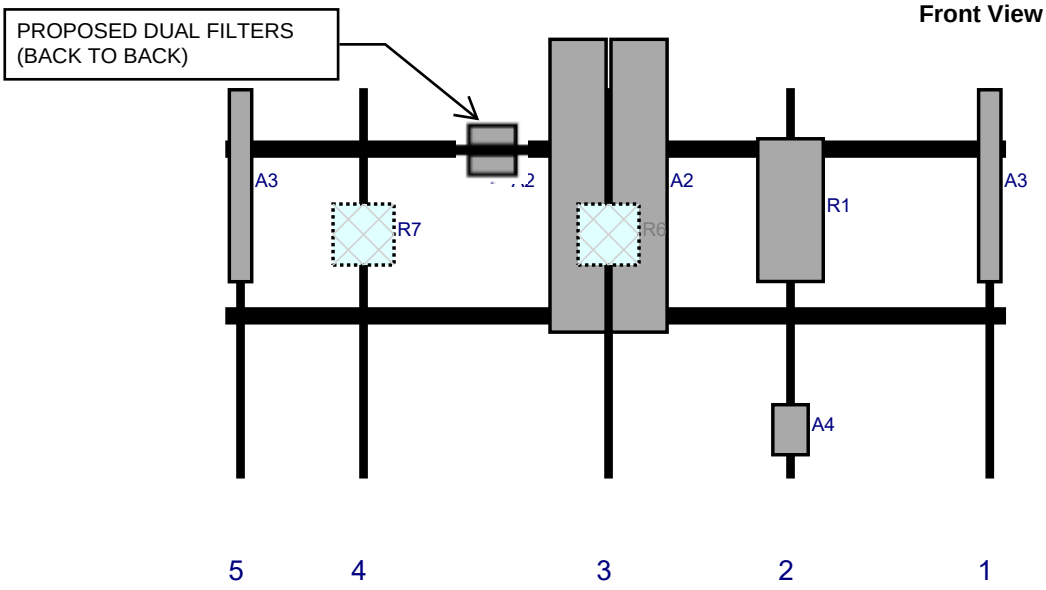
Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Colliers Engineering & Design

Plan View

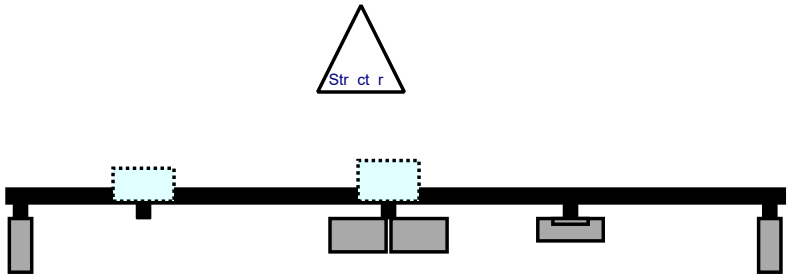


Front View - Loo g t Str ct r

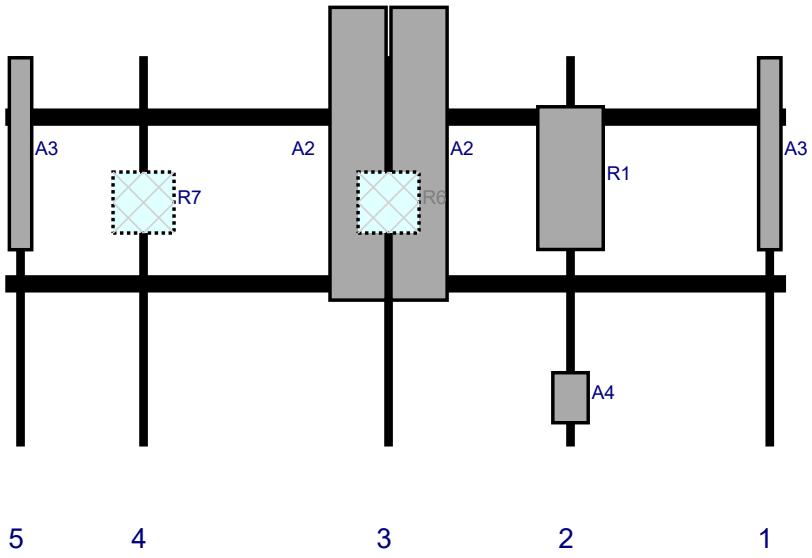


R	Mod	H g t ( )	W dt ( )	H D t Frm L.	P p	P p Po V	A t Po	C. A t Frm T.	A t H O	St t	V d to
A3	LPA-80080/4CF	47.2	5.5	188	1		Fro t	24	0	R t d	03/23/2021
A4	XXDWMM-12.5-65-8T	12.3	8.7	139	2		Fro t	84	0	R t d	03/23/2021
R1	MT6407-77A	35.1	16.1	139	2		Fro t	30	0	R t d	
A2	AHH-65B-R3B	72	13.8	94.25	3		Fro t	24	7.5	R t d	03/23/2021
A2	AHH-65B-R3B	72	13.8	94.25	3	b	Fro t	24	-7.5	R t d	03/23/2021
R6	B2/B66A RRH-BR049	15	15	94.25	3		B d	36	0	R t d	03/23/2021
R7	B5/B13 RRH-BR04C	15	15	34	4		B d	36	0	R t d	03/23/2021
A3	LPA-80080/4CF	47.2	5.5	3.75	5		Fro t	24	0	R t d	03/23/2021
M10	CBC78T-DS-43-2X	6.4	6.9		M mb r					R t d	03/23/2021
M7	BSF0020F3V1-1	10.6	10.9		M mb r					Add d	
M7	BSF0020F3V1-1	10.6	10.9		Member					Added	

Plan View

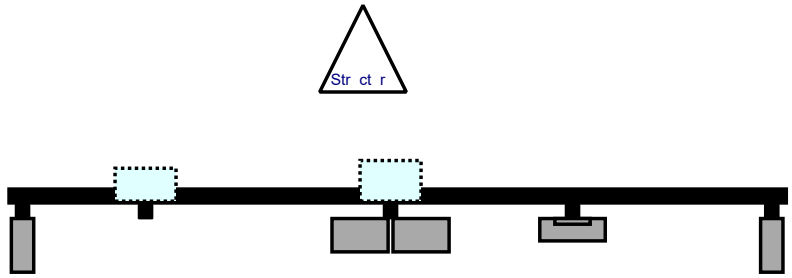


Front View - Loo g t Str ct r

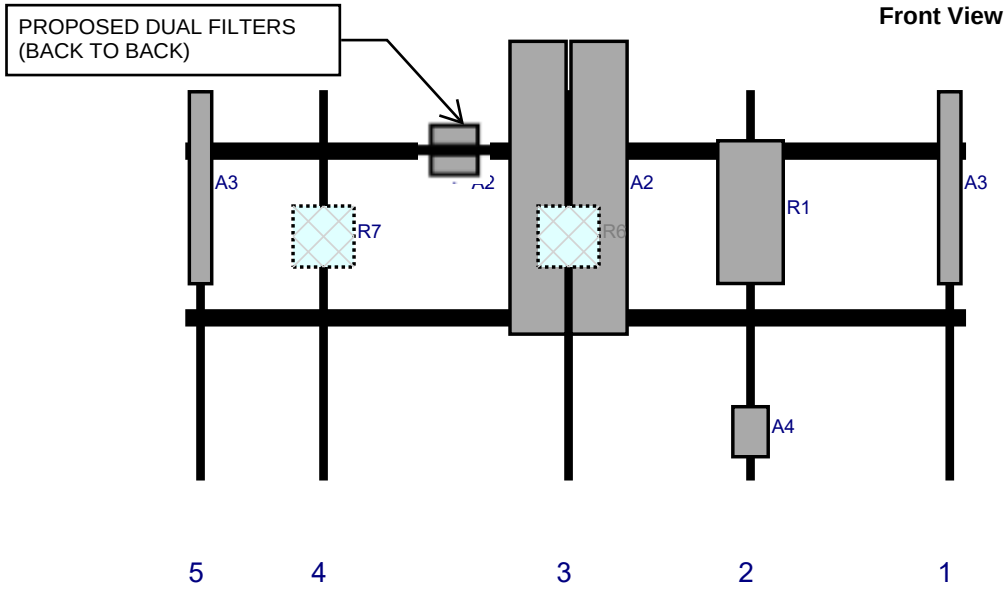


R	Mod	H g t ( )	W dt ( )	H D t Frm L.	P p	P p Po V	A t Po	C. A t Frm T.	A t H O	St t	V d to
A3	LPA-80080/4CF	47.2	5.5	188	1		Fro t	24	0	R t d	03/23/2021
A4	XXDWMM-12.5-65-8T	12.3	8.7	139	2		Fro t	84	0	R t d	03/23/2021
R1	MT6407-77A	35.1	16.1	139	2		Fro t	30	0	R t d	
A2	AHH-65B-R3B	72	13.8	94.25	3		Fro t	24	7.5	R t d	03/23/2021
A2	AHH-65B-R3B	72	13.8	94.25	3	b	Fro t	24	-7.5	R t d	03/23/2021
R6	B2/B66A RRH-BR049	15	15	94.25	3		B d	36	0	R t d	03/23/2021
R7	B5/B13 RRH-BR04C	15	15	34	4		B d	36	0	R t d	03/23/2021
A3	LPA-80080/4CF	47.2	5.5	3.75	5		Fro t	24	0	R t d	03/23/2021

Plan View



Front View - Loo g t Str ct r



R	Mod	H g t ( )	W dt ( )	H D t Frm L.	P p	P p Po V	A t Po	C. A t Frm T.	A t H O	St t	V d to
A3	LPA-80080/4CF	47.2	5.5	188	1		Fro t	24	0	R t d	03/23/2021
A4	XXDWMM-12.5-65-8T	12.3	8.7	139	2		Fro t	84	0	R t d	03/23/2021
R1	MT6407-77A	35.1	16.1	139	2		Fro t	30	0	R t d	
A2	AHH-65B-R3B	72	13.8	94.25	3		Fro t	24	7.5	R t d	03/23/2021
A2	AHH-65B-R3B	72	13.8	94.25	3	b	Fro t	24	-7.5	R t d	03/23/2021
R6	B2/B66A RRH-BR049	15	15	94.25	3		B d	36	0	R t d	03/23/2021
R7	B5/B13 RRH-BR04C	15	15	34	4		B d	36	0	R t d	03/23/2021
A3	LPA-80080/4CF	47.2	5.5	3.75	5		Fro t	24	0	R t d	03/23/2021
M7	BSF0020F3V1-1	10.6	10.9		Member					Added	
M7	BSF0020F3V1-1	10.6	10.9		Member					Added	


03/23/2021


RADIO FREQUENCY SYSTEMS
Strikesorb
03/23/2021

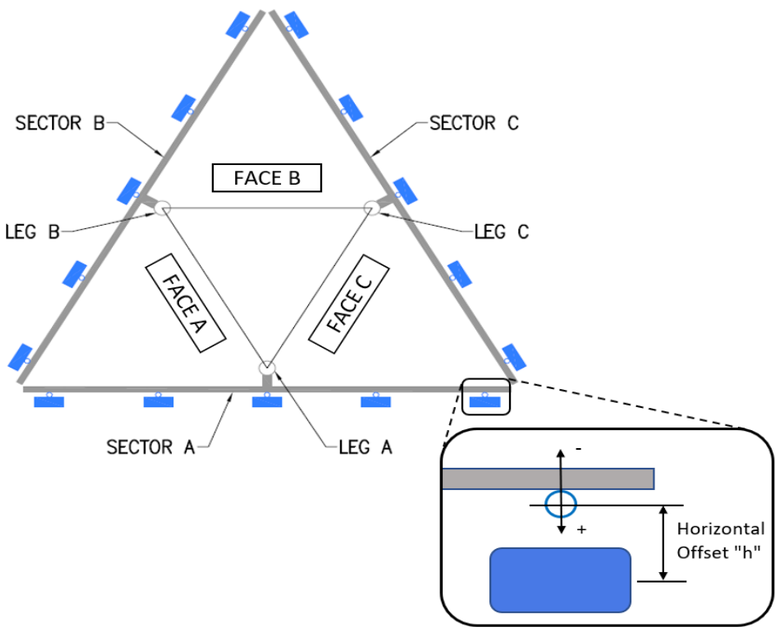
V3.0 Updated on 8-31-2020

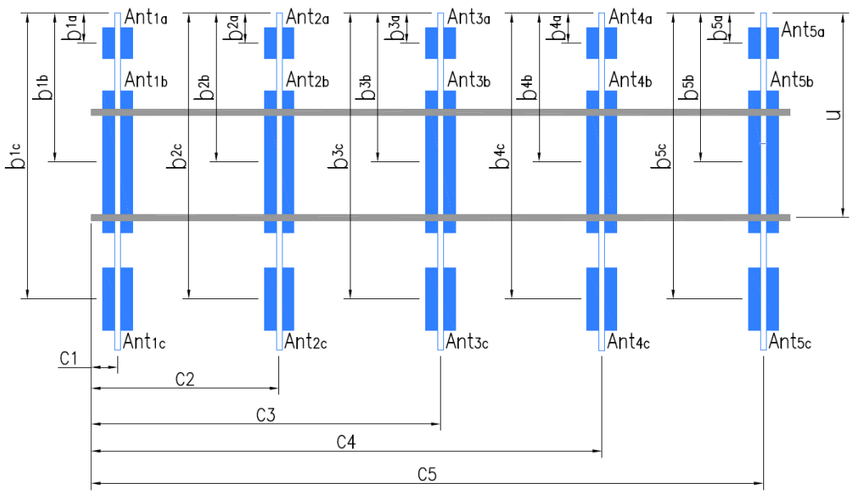
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
UNKNOWN

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/23/2021
Site Name:	CC:SKY HILL ,VZW:WESTFORD CT	**Tower Type:**	Self Support
Site Number or ID:	CC:876345	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS DESIGN & ENGINEERING LLC	**Mount Elevation (Ft.):**	179.8

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





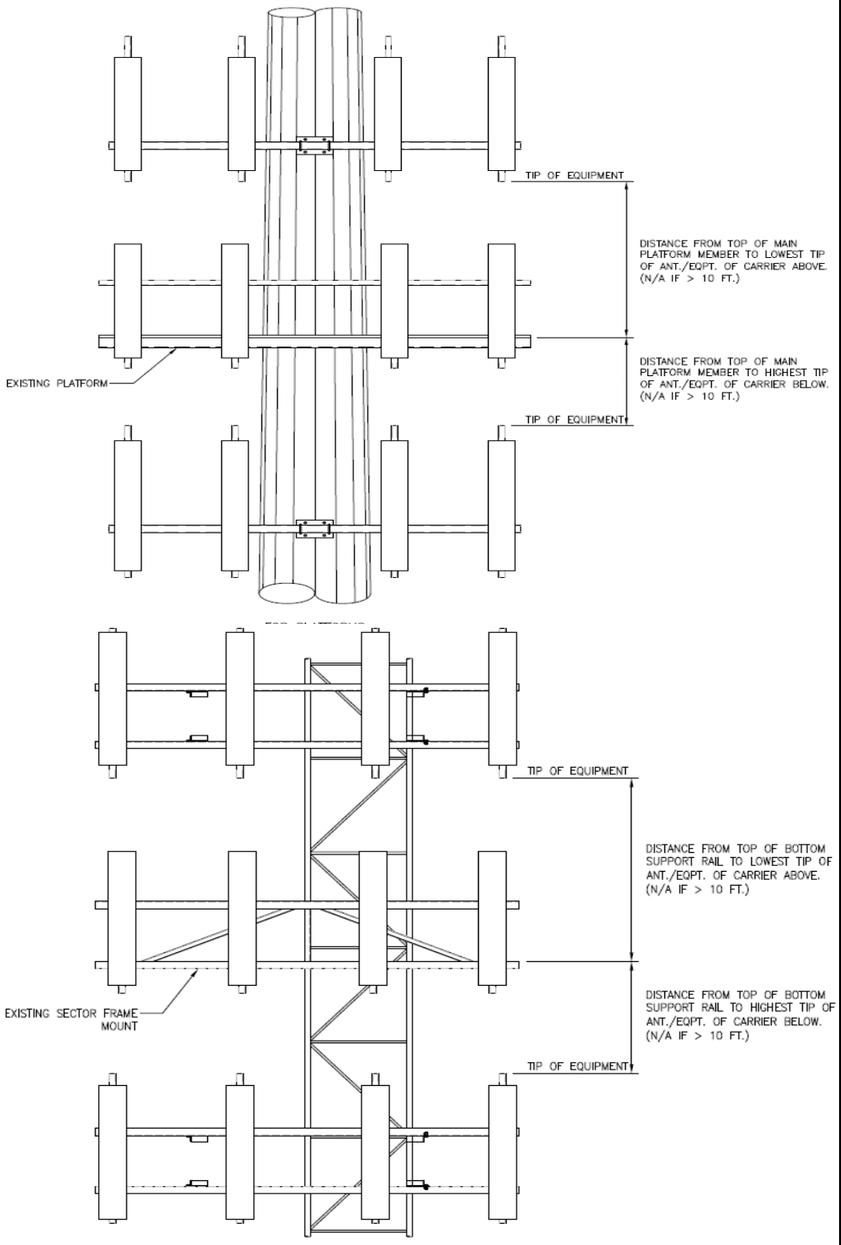
Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.375''Øx0.16''x73'' LONG	56.00	4.00	C1	PIPE 2.375''Øx0.16''x73'' LONG	56.00	4.00
A2	PIPE 2.375''Øx0.16''x73'' LONG	56.25	97.75	C2	PIPE 2.375''Øx0.16''x73'' LONG	56.25	97.75
A3	PIPE 2.375''Øx0.16''x72'' LONG	56.00	158.00	C3	PIPE 2.375''Øx0.16''x72'' LONG	56.00	158.00
A4	PIPE 2.375''Øx0.16''x72'' LONG	56.00	188.25	C4	PIPE 2.375''Øx0.16''x72'' LONG	56.00	188.25
A5				C5			
A6				C6			
B1	PIPE 2.375''Øx0.16''x73'' LONG	56.00	4.00	D1			
B2	PIPE 2.375''Øx0.16''x73'' LONG	56.25	97.75	D2			
B3	PIPE 2.375''Øx0.16''x72'' LONG	56.00	158.00	D3			
B4	PIPE 2.375''Øx0.16''x72'' LONG	56.00	188.25	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. :							20.50
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							9
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							47
Please enter additional infomation or comments below.							
Tower Face Width at Mount Elev. (ft.):		6.6	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				2.87

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LPA-80080/4CF E-DIN	5.50	13.20	47.20		180.758	24.00	13.50	0.00	207
Ant_{1c}										
Ant_{2a}	RFV01U-D1A	15.00	10.00	15.00		180.363	29.00	-9.50		208
Ant_{2b}	(2)JAHH-65B-R3B	13.80	8.20	72.00		180.779	24.00	13.00	0.00	208
Ant_{2c}										
Ant_{3a}	RFV01U-D2A	15.00	8.10	15.00		180.279	29.75	-8.50		284
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80080/4CF E-DIN	5.50	13.20	47.20		180.758	24.00	13.50	0.00	209
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RT4401-48A	11.39	5.45	16.16			21.00	9.25		207
Ant on Standoff	CBC78T-DS-43-2X	6.90	9.60	6.40			37.75	4.75		208
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	0.00	Deg	Leg A:	90.00	Deg
Sector B:	150.00	Deg	Leg B:	210.00	Deg
Sector C:	270.00	Deg	Leg C:	330.00	Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	Deg	N/A
Climbing Facility	Corrosion Type:	N/A
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	LPA-80080/4CF E-DIN	5.50	13.20	47.20		180.758	24.00	13.50	150.00	211
Ant_{1c}										
Ant_{2a}	RFV01U-D1A	15.00	10.00	15.00		180.363	29.00	-9.50		212
Ant_{2b}	(2)JAHH-65B-R3B	13.80	8.20	72.00		180.779	24.00	13.00	150.00	212
Ant_{2c}										
Ant_{3a}	RFV01U-D2A	15.00	8.10	15.00		180.279	29.75	-8.50		213
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80080/4CF E-DIN	5.50	13.20	47.20		180.758	24.00	13.50	150.00	213
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RT4401-48A	11.39	5.45	16.16			21.00	9.25		211
Ant on Standoff	CBC78T-DS-43-2X	6.90	9.60	6.40			37.75	4.75		212
Ant on Tower										
Ant on Tower										

Sector C										
Ant_{1a}										
Ant_{1b}	LPA-80080/4CF E-DIN	5.50	13.20	47.20		180.758	24.00	13.50	270.00	215
Ant_{1c}										
Ant_{2a}	RFV01U-D1A	15.00	10.00	15.00		180.363	29.00	-9.05		216
Ant_{2b}	(2)JAHH-65B-R3B	13.80	8.20	72.00		180.779	24.00	13.00	270.00	216
Ant_{2c}										
Ant_{3a}	RFV01U-D2A	15.00	8.10	15.00		180.279	29.75	-8.50		217
Ant_{3b}										
Ant_{3c}	GPS	3.00	3.00	5.00		182.758				217
Ant_{4a}										
Ant_{4b}	LPA-80080/4CF E-DIN	5.50	13.20	47.20		180.758	24.00	13.50	270.00	217
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RT4401-48A	11.39	5.45	16.16			21.00	9.25		215
Ant on Standoff	CBC78T-DS-43-2X	6.90	9.60	6.40			37.75	4.75		216
Ant on Tower										
Ant on Tower	(2)RRFDC-3315-PF-48	15.73	10.25	25.66			49.25	7.75		218

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	COAX TOTAL (14): (6) FH 1-5/8, (6) FH 1-5/8 CUT, (2) 1.5"Ø	
2		
3		
4		
5		
6		
7		
8		

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

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

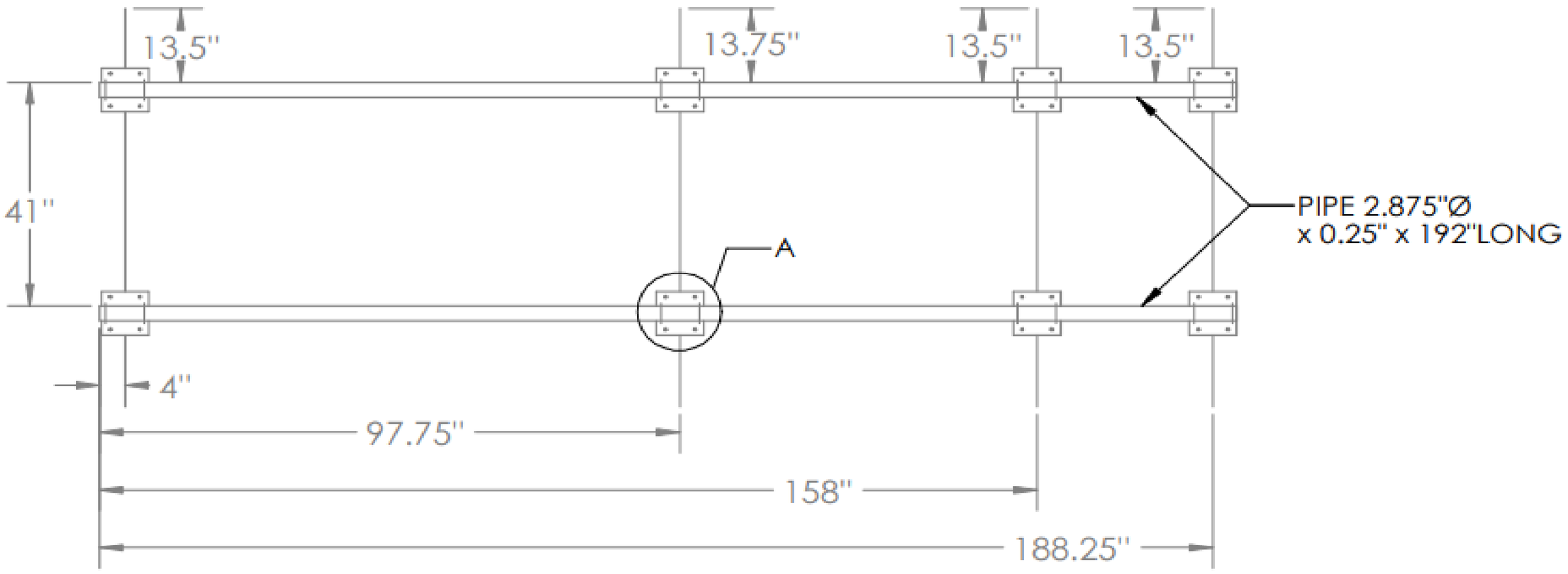
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

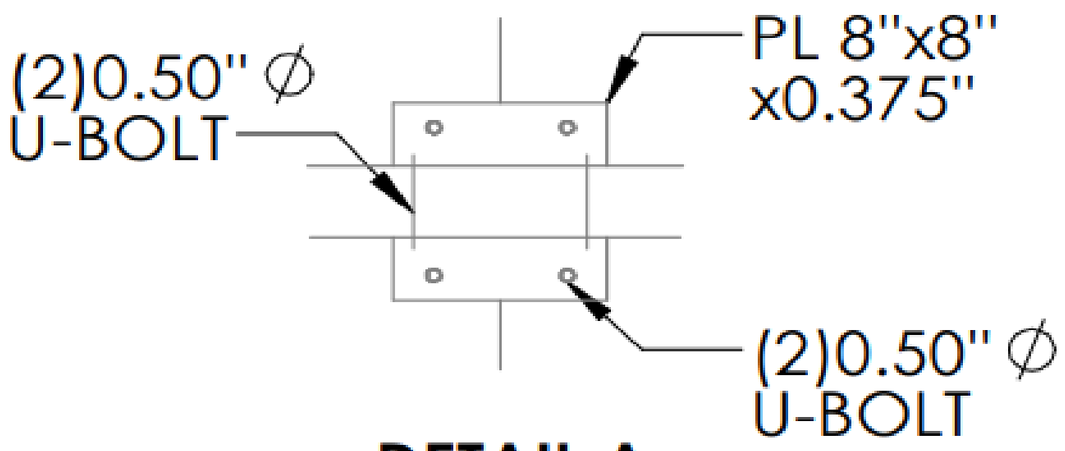
FCC #
UNKNOWN

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/23/2021
Site Name:	CC:SKY HILL ,VZW:WESTFORD CT	**Tower Type:**	Self Support
Site Number or ID:	CC:876345	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS DESIGN & ENGINEERING LLC	**Mount Elevation (Ft.):**	179.8

Please Insert Sketches of the Antenna Mount

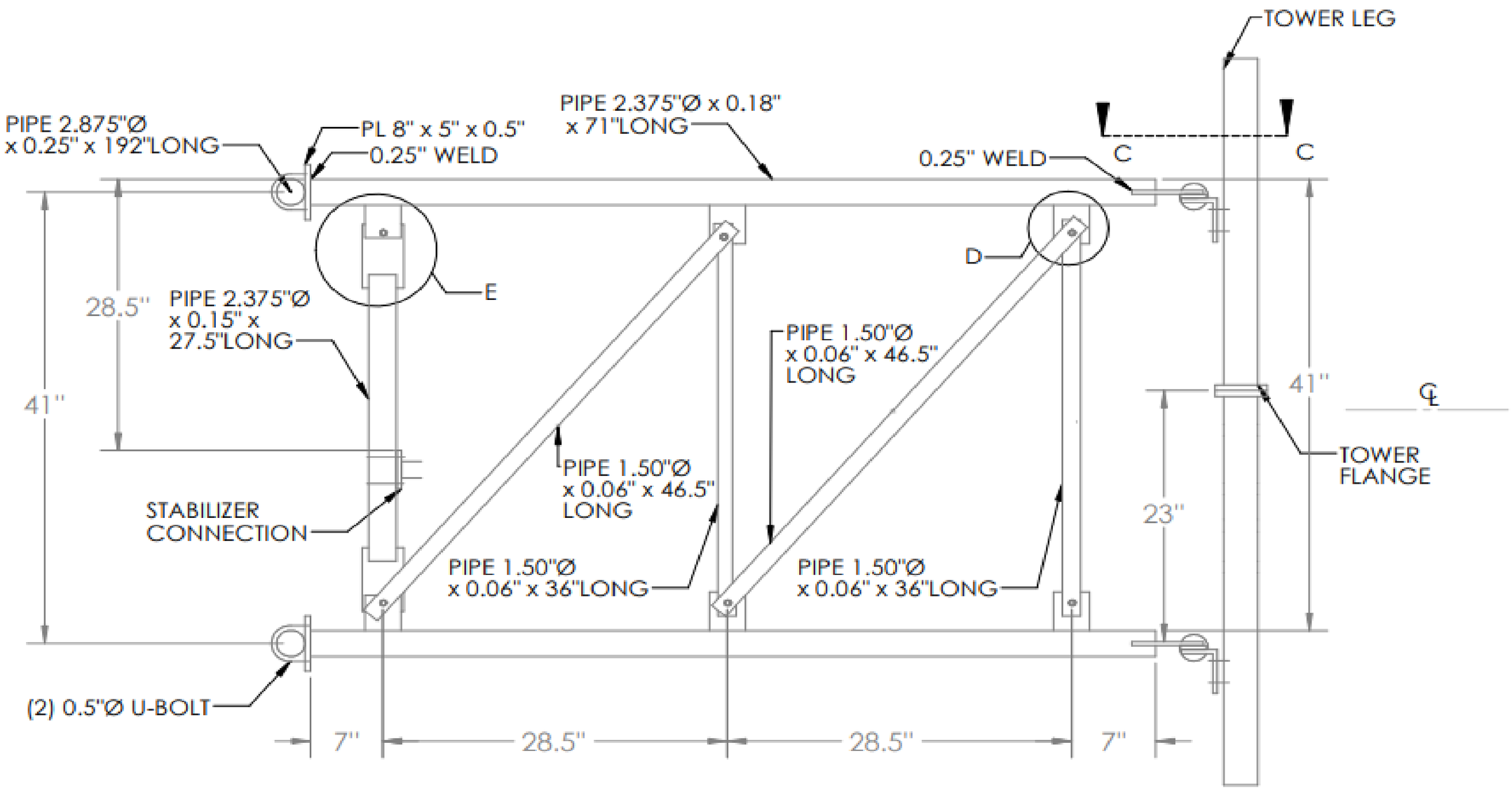


SECTOR A,B & C

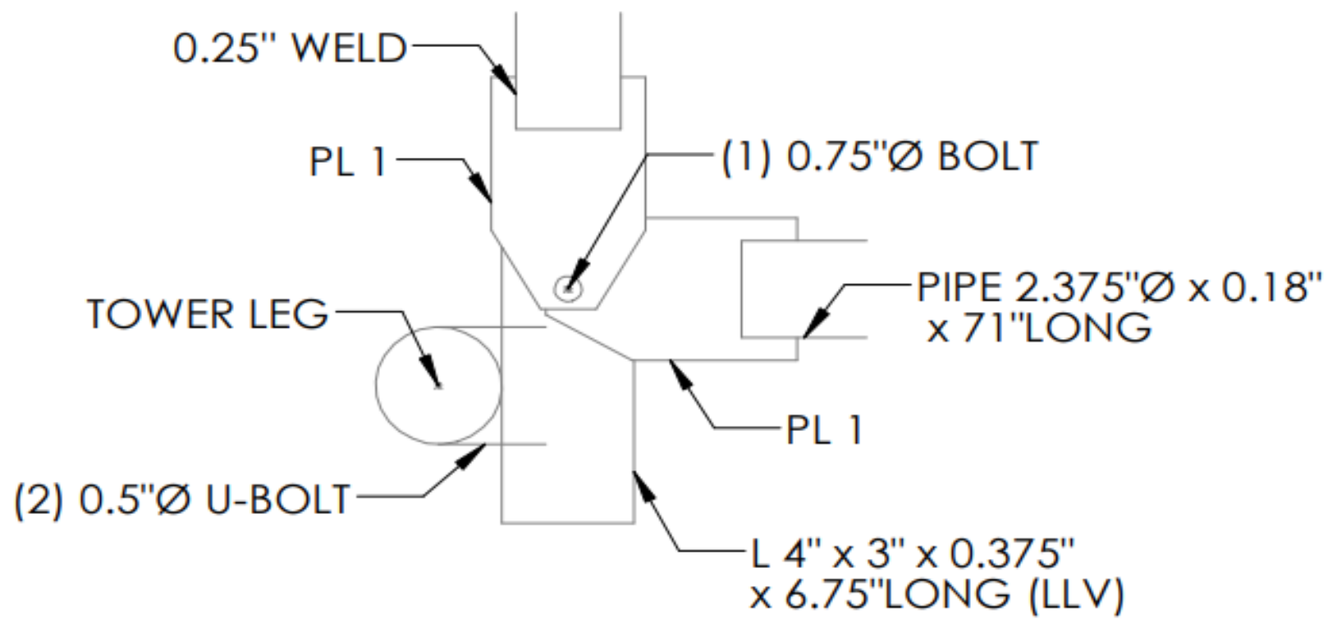


DETAIL A

Please Insert Sketches of the Antenna Mount, cont'd



MOUNT STAND-OFF



SECTION C-C

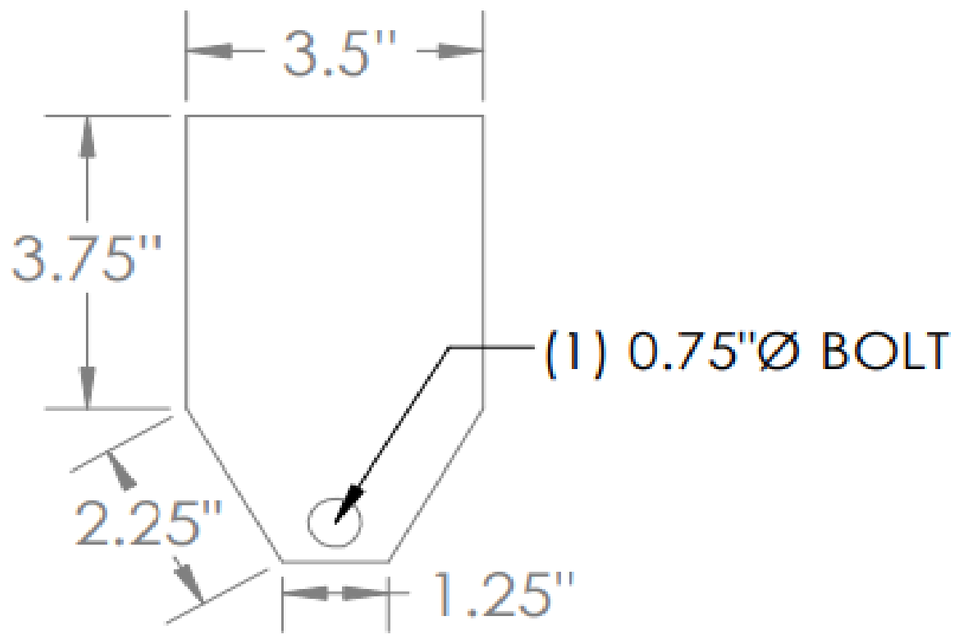
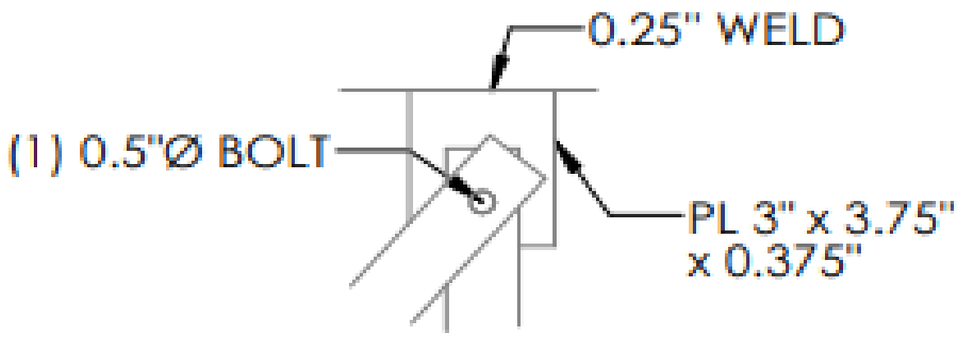
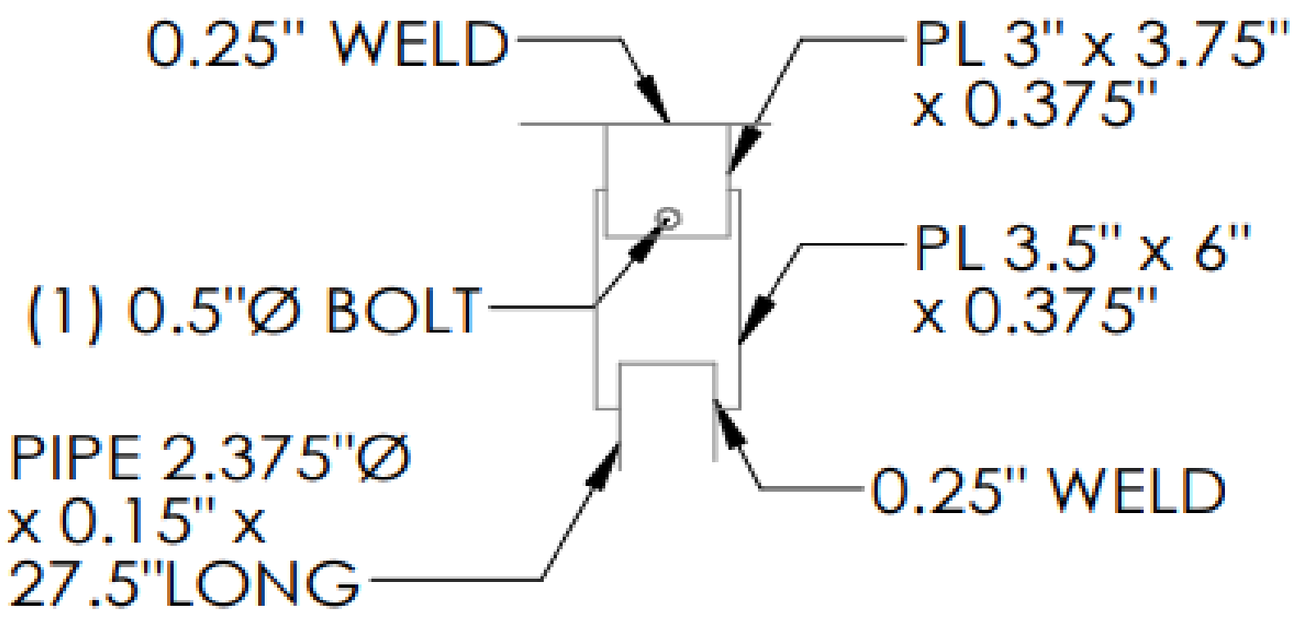


PLATE 1 (0.375" THK)

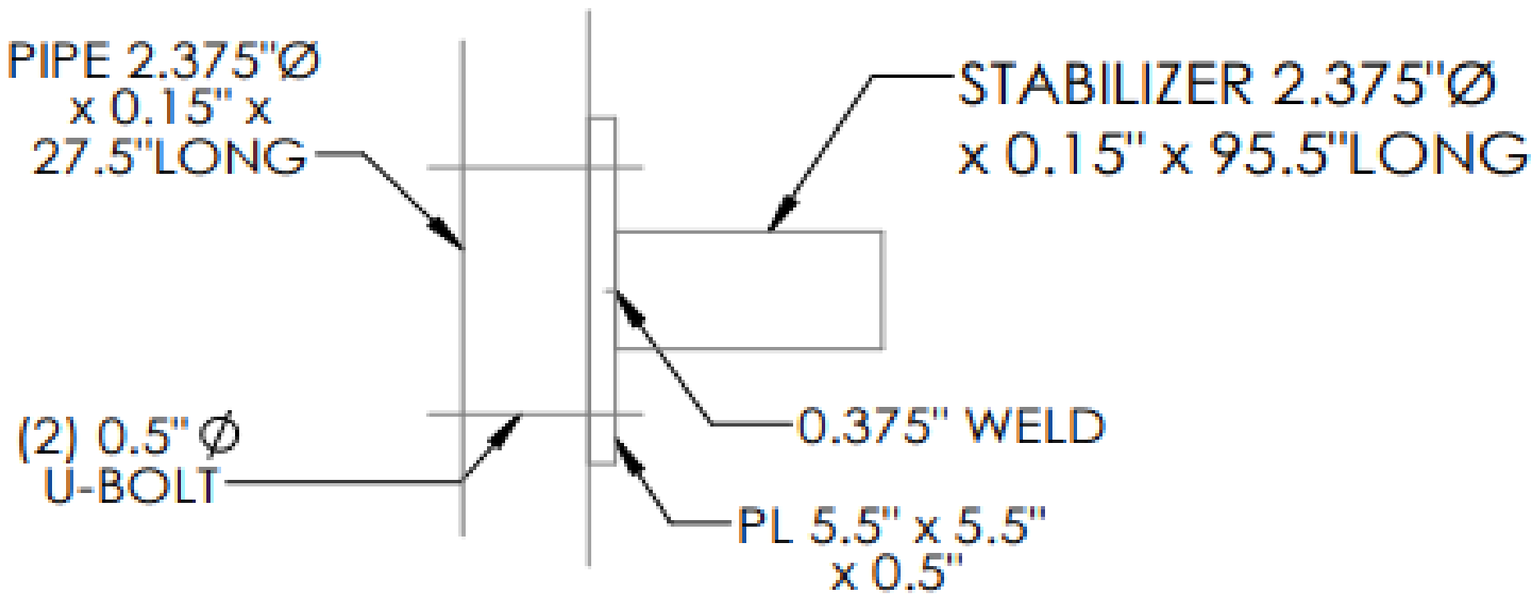
Please Insert Sketches of the Antenna Mount, cont'd



DETAIL D

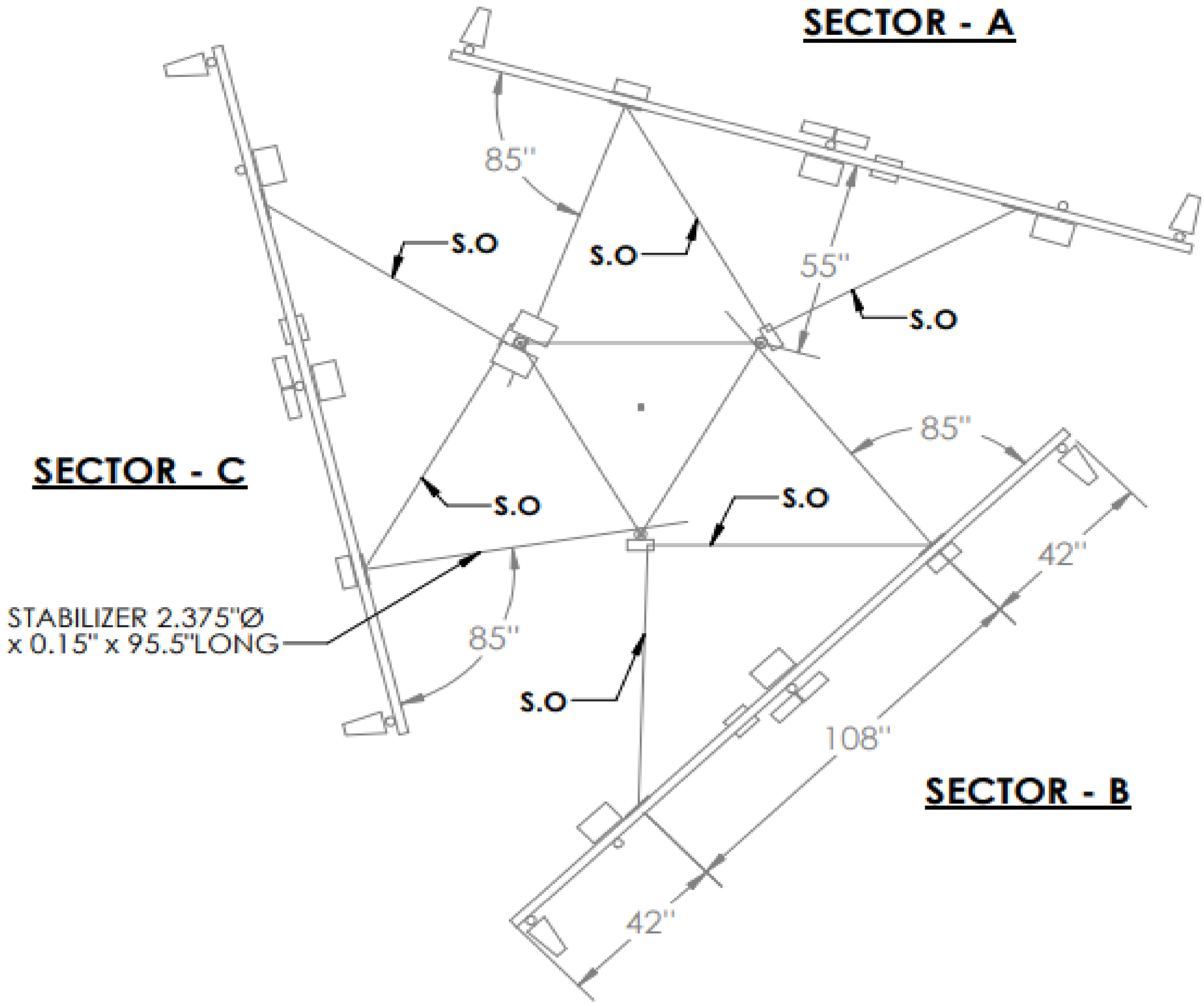


DETAIL E

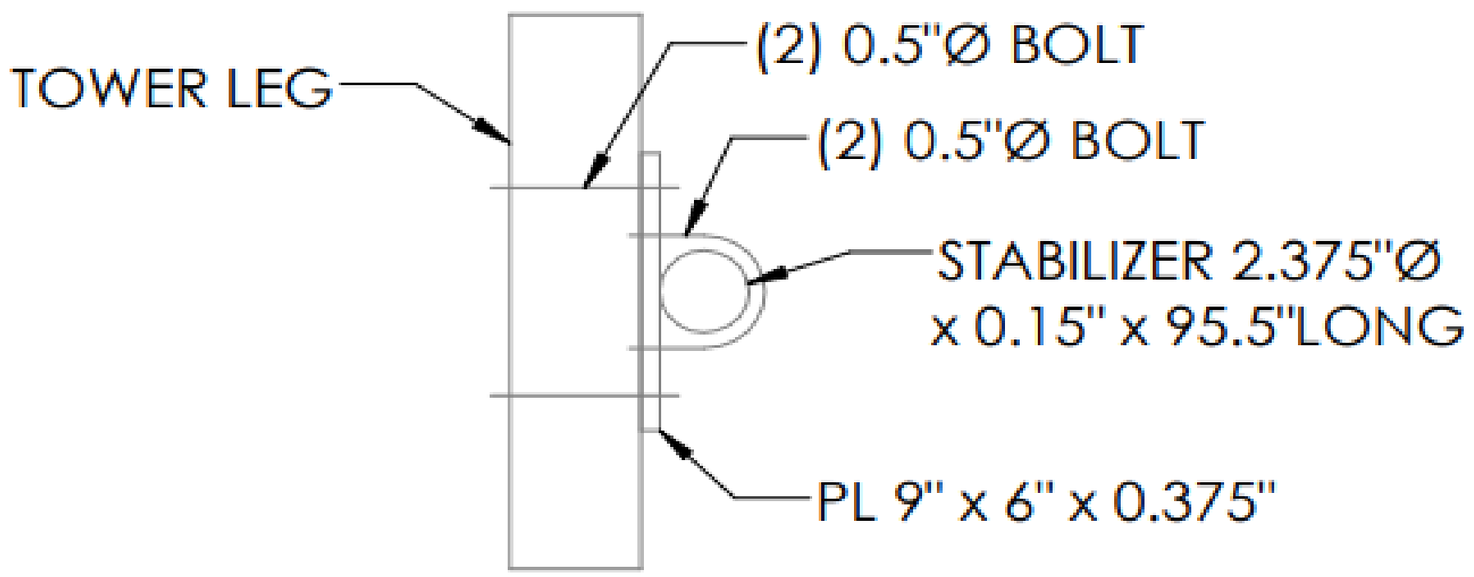


STABILIZER CONNECTION ON STANDOFF

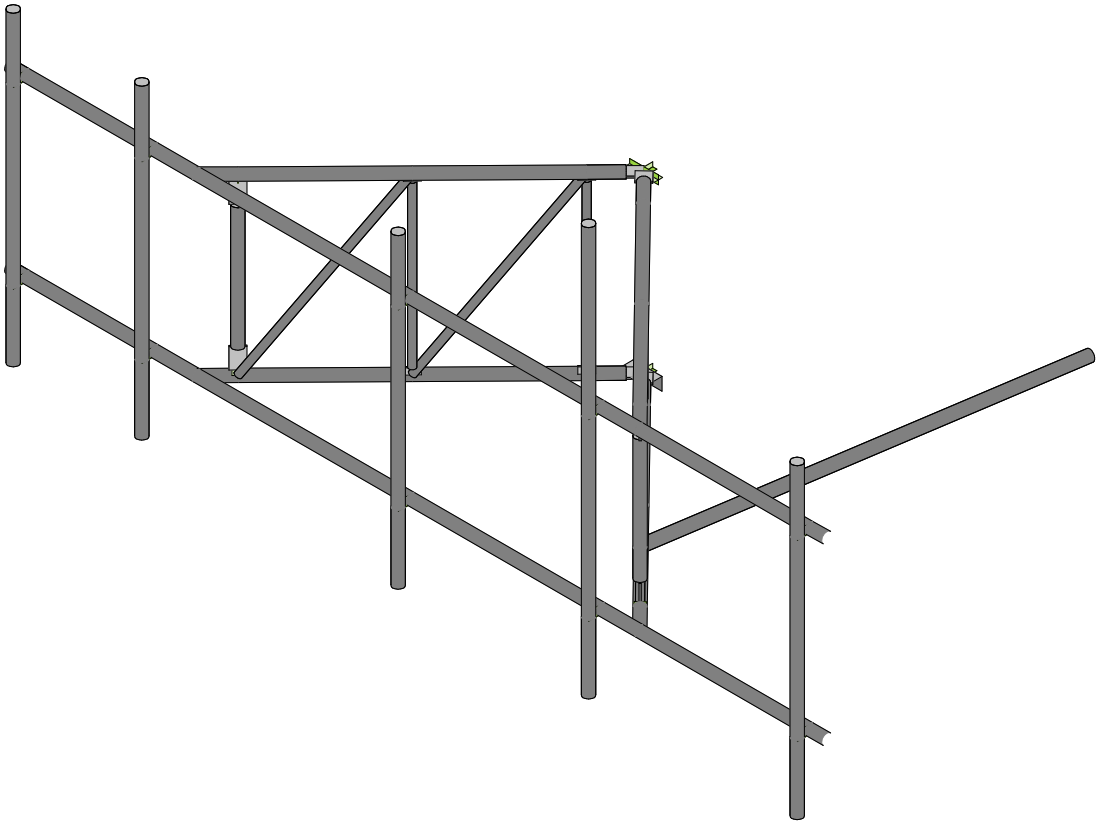
Please Insert Sketches of the Antenna Mount, cont'd



ANTENNA PLAN VIEW

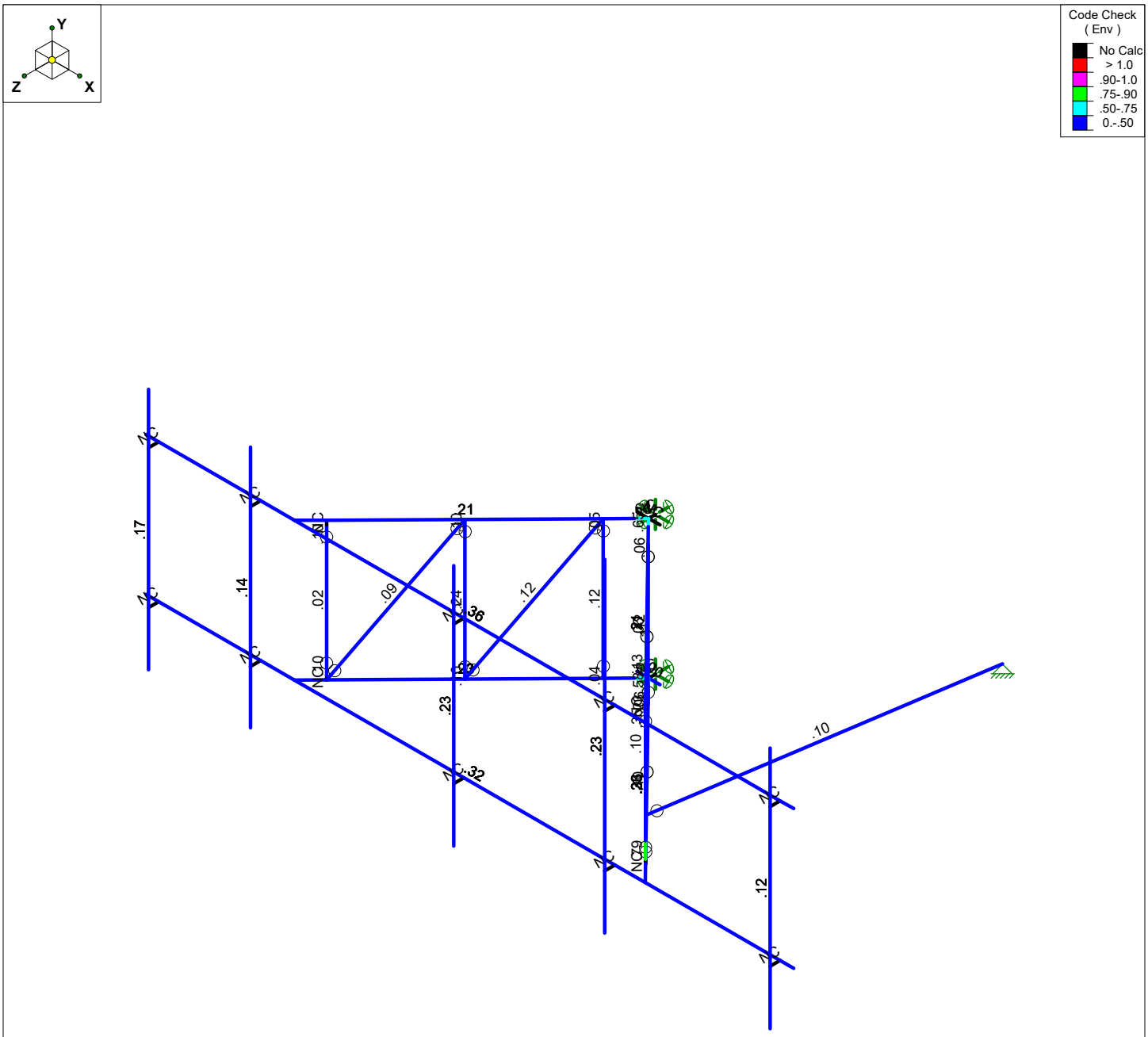


STABILIZER CONNECTION ON TOWER LEG



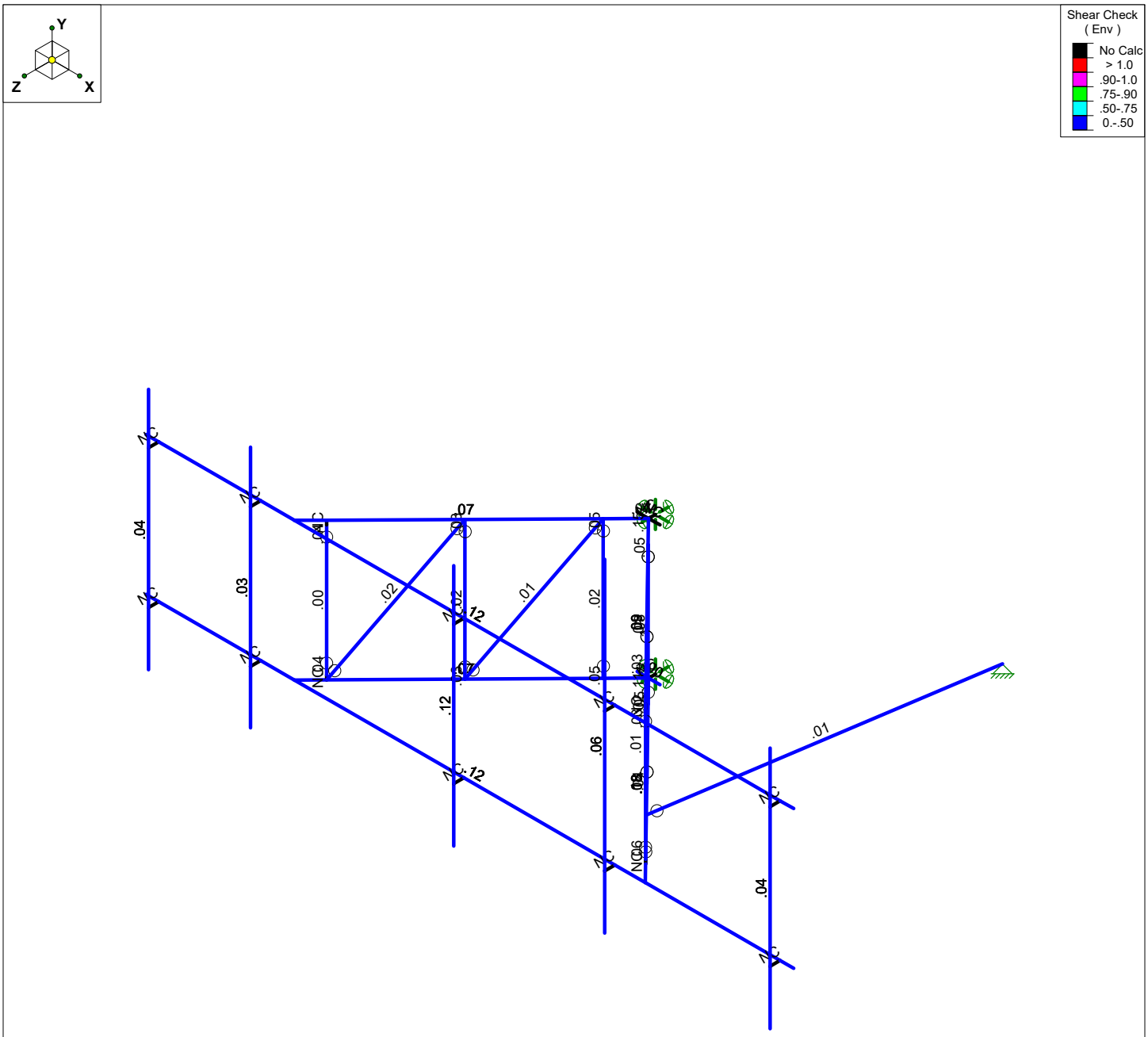
Envelope Only Solution

		SK - 1
		July 11, 2023 at 10:57 AM
		5000233331-VZW_MT_LOT_A_H....



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		July 11, 2023 at 10:57 AM
		5000233331-VZW_MT_LOT_A_H....



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		July 11, 2023 at 10:57 AM
		5000233331-VZW_MT_LOT_A_H....

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Antenna D	None					48			
2	Antenna Di	None					48			
3	Antenna Wo (0 Deg)	None					48			
4	Antenna Wo (30 Deg)	None					48			
5	Antenna Wo (60 Deg)	None					48			
6	Antenna Wo (90 Deg)	None					48			
7	Antenna Wo (120 Deg)	None					48			
8	Antenna Wo (150 Deg)	None					48			
9	Antenna Wo (180 Deg)	None					48			
10	Antenna Wo (210 Deg)	None					48			
11	Antenna Wo (240 Deg)	None					48			
12	Antenna Wo (270 Deg)	None					48			
13	Antenna Wo (300 Deg)	None					48			
14	Antenna Wo (330 Deg)	None					48			
15	Antenna Wi (0 Deg)	None					48			
16	Antenna Wi (30 Deg)	None					48			
17	Antenna Wi (60 Deg)	None					48			
18	Antenna Wi (90 Deg)	None					48			
19	Antenna Wi (120 Deg)	None					48			
20	Antenna Wi (150 Deg)	None					48			
21	Antenna Wi (180 Deg)	None					48			
22	Antenna Wi (210 Deg)	None					48			
23	Antenna Wi (240 Deg)	None					48			
24	Antenna Wi (270 Deg)	None					48			
25	Antenna Wi (300 Deg)	None					48			
26	Antenna Wi (330 Deg)	None					48			
27	Antenna Wm (0 Deg)	None					48			
28	Antenna Wm (30 Deg)	None					48			
29	Antenna Wm (60 Deg)	None					48			
30	Antenna Wm (90 Deg)	None					48			
31	Antenna Wm (120 Deg)	None					48			
32	Antenna Wm (150 Deg)	None					48			
33	Antenna Wm (180 Deg)	None					48			
34	Antenna Wm (210 Deg)	None					48			
35	Antenna Wm (240 Deg)	None					48			
36	Antenna Wm (270 Deg)	None					48			
37	Antenna Wm (300 Deg)	None					48			
38	Antenna Wm (330 Deg)	None					48			
39	Structure D	None		-1						
40	Structure Di	None						43		
41	Structure Wo (0 Deg)	None						86		
42	Structure Wo (30 Deg)	None						86		
43	Structure Wo (60 Deg)	None						86		
44	Structure Wo (90 Deg)	None						86		
45	Structure Wo (120 Deg)	None						86		
46	Structure Wo (150 Deg)	None						86		
47	Structure Wo (180 Deg)	None						86		
48	Structure Wo (210 Deg)	None						86		
49	Structure Wo (240 Deg)	None						86		
50	Structure Wo (270 Deg)	None						86		
51	Structure Wo (300 Deg)	None						86		
52	Structure Wo (330 Deg)	None						86		
53	Structure Wi (0 Deg)	None						86		
54	Structure Wi (30 Deg)	None						86		
55	Structure Wi (60 Deg)	None						86		
56	Structure Wi (90 Deg)	None						86		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
57	Structure Wi (120 Deg)	None						86		
58	Structure Wi (150 Deg)	None						86		
59	Structure Wi (180 Deg)	None						86		
60	Structure Wi (210 Deg)	None						86		
61	Structure Wi (240 Deg)	None						86		
62	Structure Wi (270 Deg)	None						86		
63	Structure Wi (300 Deg)	None						86		
64	Structure Wi (330 Deg)	None						86		
65	Structure Wm (0 Deg)	None						86		
66	Structure Wm (30 Deg)	None						86		
67	Structure Wm (60 Deg)	None						86		
68	Structure Wm (90 Deg)	None						86		
69	Structure Wm (120 Deg)	None						86		
70	Structure Wm (150 Deg)	None						86		
71	Structure Wm (180 Deg)	None						86		
72	Structure Wm (210 Deg)	None						86		
73	Structure Wm (240 Deg)	None						86		
74	Structure Wm (270 Deg)	None						86		
75	Structure Wm (300 Deg)	None						86		
76	Structure Wm (330 Deg)	None						86		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					48			
82	Antenna Eh (0 Deg)	None					32			
83	Antenna Eh (90 Deg)	None					32			
84	Structure Ev	ELY		-.039						
85	Structure Eh (0 Deg)	ELZ			-.097					
86	Structure Eh (90 Deg)	ELX	.097							

Load Combinations

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
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								
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								

Load Combinations (Continued)

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac...
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 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0W...	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	-2.	0	2.	0	
2	N2	-5.375	0	2.	0	
3	N3	1.375	0	2.	0	
4	N4	-2.	0	0	0	
5	N5	-2.	-41.	2.	0	
6	N6	-5.375	-41.	2.	0	
7	N7	1.375	-41.	2.	0	
8	N10	-54	0	55.	0	
9	N11	50.	0	55.	0	
10	N11A	-98.	0	55.	0	
11	N12	94.	0	55.	0	
12	N14	-54	-41.	55.	0	
13	N15	50.	-41.	55.	0	
14	N16	-98.	-41.	55.	0	
15	N17	94.	-41.	55.	0	
16	N17A	-4.101022	0	4.141426	0	
17	N18	0.101022	0	4.141426	0	
18	N19	-4.101022	-41.	4.141426	0	
19	N20	0.101022	-41.	4.141426	0	
20	N21	4.653236	0	8.781183	0	
21	N22	4.653236	-41.	8.781183	0	
22	N23	24.963116	0	29.481637	0	
23	N24	24.963116	-41.	29.481637	0	
24	N25	45.272995	0	50.182091	0	
25	N26	45.272995	-41.	50.182091	0	
26	N27	4.653236	-39.5	8.781183	0	
27	N28	24.963116	-39.5	29.481637	0	
28	N29	4.653236	-1.5	8.781183	0	
29	N30	24.963116	-1.5	29.481637	0	
30	N31	45.272995	-35.	50.182091	0	
31	N32	45.272995	-6	50.182091	0	
32	N33	-8.653236	0	8.781183	0	
33	N34	-8.653236	-41.	8.781183	0	
34	N35	-28.963116	0	29.481637	0	
35	N36	-28.963116	-41.	29.481637	0	
36	N37	-49.272995	0	50.182091	0	
37	N38	-49.272995	-41.	50.182091	0	
38	N39	-8.653236	-39.5	8.781183	0	
39	N40	-28.963116	-39.5	29.481637	0	
40	N41	-8.653236	-1.5	8.781183	0	
41	N42	-28.963116	-1.5	29.481637	0	
42	N43	-49.272995	-35.	50.182091	0	
43	N44	-49.272995	-6	50.182091	0	
44	N65	-2.	-41.	0	0	
45	N46	-94.25	0	55.	0	
46	N47	-94.25	-41.	55.	0	
47	N48	-94.25	0	58.	0	
48	N49	-94.25	-41.	58.	0	
49	N50	-64.	0	55.	0	
50	N51	-64.	-41.	55.	0	
51	N52	-64.	0	58.	0	
52	N53	-64.	-41.	58.	0	
53	N54	-3.75	0	55.	0	
54	N55	-3.75	-41.	55.	0	
55	N56	-3.75	0	58.	0	
56	N57	-3.75	-41.	58.	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
57	N62	90	0	55.	0	
58	N63	90	-41.	55.	0	
59	N64	90	0	58.	0	
60	N65A	90	-41.	58.	0	
61	N66	-94.25	15	58.	0	
62	N67	-3.75	15	58.	0	
63	N68	90	15	58.	0	
64	N69	-94.25	-57	58.	0	
65	N70	-3.75	-57	58.	0	
66	N71	90	-57	58.	0	
67	N79	45.272995	-28.5	50.182091	0	
68	N80A	59.338394	-28.5	-41.575044	0	
69	N72	-64.	15.25	58.	0	
70	N73	-64.	-56.75	58.	0	
71	N71A	41.	0	55.	0	
72	N72A	41.	-41.	55.	0	
73	N73A	41.	0	58.	0	
74	N74	41.	-41.	58.	0	
75	N75	41.	39	58.	0	
76	N76	41.	-57	58.	0	
77	N77	45.272995	-1.2	50.182091	0	
78	N78	-49.272995	-1.2	50.182091	0	
79	N79A	45.272995	-39.8	50.182091	0	
80	N80	-49.272995	-39.8	50.182091	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Standoff Horizontal	PIPE_2.0	Beam	Pipe	A500 Gr. C ...	Typical	1.02	.627	.627	1.25
3	Standoff Vertical	PIPE_2.0	Beam	Pipe	A500 Gr. C ...	Typical	1.02	.627	.627	1.25
4	TES Standoff Diag...	PIPE_1.25	Beam	Pipe	A500 Gr. C ...	Typical	.625	.184	.184	.368
5	Face Horizontal	PIPE_2.0	Beam	Pipe	A500 Gr. C ...	Typical	1.02	.627	.627	1.25
6	Tie Back	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
7	Standoff Bar	PL3/8X3	Beam	RECT	A36 Gr.36	Typical	1.125	.013	.844	.049
8	Mount Angle	L4X3X6	Beam	Single Angle	A572 Gr. 50	Typical	2.49	1.89	3.94	.123
9	Kickers	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011
10	True Standoff Diag...	HSS1.500x.06	Beam	Single Angle	A500 Gr. C ...	Typical	.282	.073	.073	.146
11	Antenna Pepe 2.5 ...	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/f...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
2	A53 Gr. B	29000	11154	.3	.65	.49	35	1.5	60	1.2
3	A572 Gr. 50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
5	A500 Gr. B 42	29000	11154	.3	.65	.49	42	1.4	58	1.3
6	A500 Gr. B 46	29000	11154	.3	.65	.49	46	1.4	58	1.3
7	A500 Gr. C 50	29000	11154	.3	.65	.49	50	1.5	62	1.1

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N3		90	RIGID	None	None	RIGID	Typical
2	M2	N1	N4			RIGID	None	None	RIGID	Typical
3	M3	N6	N7		90	Mount Angle	Beam	Single Angle	A572 Gr. 50	Typical
4	M5	N1	N17A		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
5	M6	N1	N18		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
6	M7	N11A	N12			Face Horizontal	Beam	Pipe	A500 Gr. ...	Typical
7	M8	N5	N19		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
8	M9	N5	N20		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
9	M10	N16	N17			Face Horizontal	Beam	Pipe	A500 Gr. ...	Typical
10	M11	N17A	N10			Standoff Horiz...	Beam	Pipe	A500 Gr. ...	Typical
11	M12	N18	N11			Standoff Horiz...	Beam	Pipe	A500 Gr. ...	Typical
12	M13	N19	N14			Standoff Horiz...	Beam	Pipe	A500 Gr. ...	Typical
13	M14	N20	N15			Standoff Horiz...	Beam	Pipe	A500 Gr. ...	Typical
14	M15	N21	N29	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
15	M17	N23	N30	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
16	M19	N26	N79A	N1		RIGID	None	None	RIGID	Typical
17	M20	N27	N22	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
18	M21	N28	N24	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
19	M22	N29	N27	N1		True Standoff ...	Beam	Single Angle	A500 Gr. ...	Typical
20	M23	N30	N28	N1		True Standoff ...	Beam	Single Angle	A500 Gr. ...	Typical
21	M24	N31	N32	N1		Standoff Vertical	Beam	Pipe	A500 Gr. ...	Typical
22	M25	N32	N77	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
23	M26	N33	N41	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
24	M27	N33	N36		90	True Standoff ...	Beam	Single Angle	A500 Gr. ...	Typical
25	M28	N35	N42	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
26	M29	N35	N38		90	True Standoff ...	Beam	Single Angle	A500 Gr. ...	Typical
27	M30	N38	N80	N1		RIGID	None	None	RIGID	Typical
28	M31	N39	N34	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
29	M32	N40	N36	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
30	M33	N41	N39	N1		True Standoff ...	Beam	Single Angle	A500 Gr. ...	Typical
31	M34	N42	N40	N1		True Standoff ...	Beam	Single Angle	A500 Gr. ...	Typical
32	M35	N43	N44	N1		Standoff Vertical	Beam	Pipe	A500 Gr. ...	Typical
33	M36	N44	N78	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
34	M46A	N5	N65			RIGID	None	None	RIGID	Typical
35	M37	N46	N48			RIGID	None	None	RIGID	Typical
36	M38	N47	N49			RIGID	None	None	RIGID	Typical
37	M39	N50	N52			RIGID	None	None	RIGID	Typical
38	M40	N51	N53			RIGID	None	None	RIGID	Typical
39	M41	N54	N56			RIGID	None	None	RIGID	Typical
40	M42	N55	N57			RIGID	None	None	RIGID	Typical
41	M45	N62	N64			RIGID	None	None	RIGID	Typical
42	M46	N63	N65A			RIGID	None	None	RIGID	Typical
43	MP5A	N66	N69			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
44	MP3A	N67	N70			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
45	MP1A	N68	N71			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
46	M52	N79	N80A			Tie Back	Beam	Pipe	A53 Gr. B	Typical
47	M53	N21	N24		90	True Standoff ...	Beam	Single Angle	A500 Gr. ...	Typical
48	M54	N23	N26		90	True Standoff ...	Beam	Single Angle	A500 Gr. ...	Typical
49	MP4A	N72	N73			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
50	M50	N71A	N73A			RIGID	None	None	RIGID	Typical
51	M51	N72A	N74			RIGID	None	None	RIGID	Typical
52	MP2A	N75	N76			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
53	M53A	N77	N25	N1		RIGID	None	None	RIGID	Typical
54	M54A	N78	N37	N1		RIGID	None	None	RIGID	Typical
55	M55	N79A	N31	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
56	M56	N80	N43	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	** NA **			None
2	M2						Yes	** NA **			None
3	M3						Yes				None
4	M5						Yes	Default			None
5	M6						Yes	Default			None
6	M7						Yes				None
7	M8						Yes	Default			None
8	M9						Yes	Default			None
9	M10						Yes				None
10	M11						Yes				None
11	M12						Yes				None
12	M13						Yes				None
13	M14						Yes				None
14	M15	OOOOOX					Yes				None
15	M17	OOOOOX					Yes				None
16	M19						Yes	** NA **			None
17	M20		OOOOOO				Yes				None
18	M21		OOOOOO				Yes				None
19	M22						Yes				None
20	M23						Yes				None
21	M24						Yes				None
22	M25		OOOOOO				Yes	Default			None
23	M26	OOOOOX					Yes				None
24	M27	BenPIN	BenPIN				Yes				None
25	M28	OOOOOX					Yes				None
26	M29	BenPIN	BenPIN				Yes	Default			None
27	M30						Yes	** NA **			None
28	M31		OOOOOO				Yes				None
29	M32		OOOOOO				Yes				None
30	M33						Yes				None
31	M34						Yes				None
32	M35						Yes				None
33	M36		OOOOOO				Yes	Default			None
34	M46A						Yes	** NA **			None
35	M37						Yes	** NA **			None
36	M38						Yes	** NA **			None
37	M39						Yes	** NA **			None
38	M40						Yes	** NA **			None
39	M41						Yes	** NA **			None
40	M42						Yes	** NA **			None
41	M45						Yes	** NA **			None
42	M46						Yes	** NA **			None
43	MP5A						Yes	** NA **			None
44	MP3A						Yes	** NA **			None
45	MP1A						Yes	** NA **			None
46	M52	OOOOXO					Yes	Default			None
47	M53	BenPIN	BenPIN				Yes	Default			None
48	M54	BenPIN	BenPIN				Yes	Default			None
49	MP4A						Yes	** NA **			None
50	M50						Yes	** NA **			None
51	M51						Yes	** NA **			None
52	MP2A						Yes	** NA **			None
53	M53A						Yes	** NA **			None
54	M54A						Yes	** NA **			None
55	M55	OOOOOX					Yes	Default			None
56	M56	OOOOOX					Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	Y	-17.6	84
2	M7	My	-.007	84
3	M7	Mz	0	84
4	M7	Y	-17.6	84
5	M7	My	.007	84
6	M7	Mz	0	84
7	MP2A	Y	-43.55	18
8	MP2A	My	-.022	18
9	MP2A	Mz	0	18
10	MP2A	Y	-43.55	42
11	MP2A	My	-.022	42
12	MP2A	Mz	0	42
13	MP3A	Y	-31.65	3
14	MP3A	My	-.016	3
15	MP3A	Mz	.02	3
16	MP3A	Y	-31.65	45
17	MP3A	My	-.016	45
18	MP3A	Mz	.02	45
19	MP3A	Y	-31.65	3
20	MP3A	My	-.016	3
21	MP3A	Mz	-.02	3
22	MP3A	Y	-31.65	45
23	MP3A	My	-.016	45
24	MP3A	Mz	-.02	45
25	MP1A	Y	-6	6
26	MP1A	My	-.003	6
27	MP1A	Mz	0	6
28	MP1A	Y	-6	42
29	MP1A	My	-.003	42
30	MP1A	Mz	0	42
31	MP5A	Y	-6	6
32	MP5A	My	-.003	6
33	MP5A	Mz	0	6
34	MP5A	Y	-6	42
35	MP5A	My	-.003	42
36	MP5A	Mz	0	42
37	MP2A	Y	-4.4	84
38	MP2A	My	-.002	84
39	MP2A	Mz	0	84
40	M10	Y	-10.4	72
41	M10	My	-.005	72
42	M10	Mz	0	72
43	MP3A	Y	-84.4	36
44	MP3A	My	.042	36
45	MP3A	Mz	0	36
46	MP4A	Y	-70.3	36
47	MP4A	My	.035	36
48	MP4A	Mz	0	36

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	Y	-29.941	84
2	M7	My	-.012	84
3	M7	Mz	0	84
4	M7	Y	-29.941	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
5	M7	My	.012	84
6	M7	Mz	0	84
7	MP2A	Y	-58.268	18
8	MP2A	My	-.029	18
9	MP2A	Mz	0	18
10	MP2A	Y	-58.268	42
11	MP2A	My	-.029	42
12	MP2A	Mz	0	42
13	MP3A	Y	-113.251	3
14	MP3A	My	-.057	3
15	MP3A	Mz	.071	3
16	MP3A	Y	-113.251	45
17	MP3A	My	-.057	45
18	MP3A	Mz	.071	45
19	MP3A	Y	-113.251	3
20	MP3A	My	-.057	3
21	MP3A	Mz	-.071	3
22	MP3A	Y	-113.251	45
23	MP3A	My	-.057	45
24	MP3A	Mz	-.071	45
25	MP1A	Y	-65.999	6
26	MP1A	My	-.033	6
27	MP1A	Mz	0	6
28	MP1A	Y	-65.999	42
29	MP1A	My	-.033	42
30	MP1A	Mz	0	42
31	MP5A	Y	-65.999	6
32	MP5A	My	-.033	6
33	MP5A	Mz	0	6
34	MP5A	Y	-65.999	42
35	MP5A	My	-.033	42
36	MP5A	Mz	0	42
37	MP2A	Y	-23.68	84
38	MP2A	My	-.012	84
39	MP2A	Mz	0	84
40	M10	Y	-19.025	72
41	M10	My	-.01	72
42	M10	Mz	0	72
43	MP3A	Y	-74.105	36
44	MP3A	My	.037	36
45	MP3A	Mz	0	36
46	MP4A	Y	-66.928	36
47	MP4A	My	.033	36
48	MP4A	Mz	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	0	84
2	M7	Z	-34.028	84
3	M7	Mx	0	84
4	M7	X	0	84
5	M7	Z	-34.028	84
6	M7	Mx	0	84
7	MP2A	X	0	18
8	MP2A	Z	-69.475	18
9	MP2A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
10	MP2A	X	0	42
11	MP2A	Z	-69.475	42
12	MP2A	Mx	0	42
13	MP3A	X	0	3
14	MP3A	Z	-161.458	3
15	MP3A	Mx	-.101	3
16	MP3A	X	0	45
17	MP3A	Z	-161.458	45
18	MP3A	Mx	-.101	45
19	MP3A	X	0	3
20	MP3A	Z	-161.458	3
21	MP3A	Mx	.101	3
22	MP3A	X	0	45
23	MP3A	Z	-161.458	45
24	MP3A	Mx	.101	45
25	MP1A	X	0	6
26	MP1A	Z	-46.257	6
27	MP1A	Mx	0	6
28	MP1A	X	0	42
29	MP1A	Z	-46.257	42
30	MP1A	Mx	0	42
31	MP5A	X	0	6
32	MP5A	Z	-46.257	6
33	MP5A	Mx	0	6
34	MP5A	X	0	42
35	MP5A	Z	-46.257	42
36	MP5A	Mx	0	42
37	MP2A	X	0	84
38	MP2A	Z	-31.547	84
39	MP2A	Mx	0	84
40	M10	X	0	72
41	M10	Z	-13.115	72
42	M10	Mx	0	72
43	MP3A	X	0	36
44	MP3A	Z	-54.942	36
45	MP3A	Mx	0	36
46	MP4A	X	0	36
47	MP4A	Z	-54.942	36
48	MP4A	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	14.051	84
2	M7	Z	-24.337	84
3	M7	Mx	-.006	84
4	M7	X	14.051	84
5	M7	Z	-24.337	84
6	M7	Mx	.006	84
7	MP2A	X	29.044	18
8	MP2A	Z	-50.305	18
9	MP2A	Mx	-.015	18
10	MP2A	X	29.044	42
11	MP2A	Z	-50.305	42
12	MP2A	Mx	-.015	42
13	MP3A	X	73.802	3
14	MP3A	Z	-127.829	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
15	MP3A	Mx	-.117	3
16	MP3A	X	73.802	45
17	MP3A	Z	-127.829	45
18	MP3A	Mx	-.117	45
19	MP3A	X	73.802	3
20	MP3A	Z	-127.829	3
21	MP3A	Mx	.043	3
22	MP3A	X	73.802	45
23	MP3A	Z	-127.829	45
24	MP3A	Mx	.043	45
25	MP1A	X	29.307	6
26	MP1A	Z	-50.761	6
27	MP1A	Mx	-.015	6
28	MP1A	X	29.307	42
29	MP1A	Z	-50.761	42
30	MP1A	Mx	-.015	42
31	MP5A	X	29.307	6
32	MP5A	Z	-50.761	6
33	MP5A	Mx	-.015	6
34	MP5A	X	29.307	42
35	MP5A	Z	-50.761	42
36	MP5A	Mx	-.015	42
37	MP2A	X	12.604	84
38	MP2A	Z	-21.83	84
39	MP2A	Mx	-.006	84
40	M10	X	6.052	72
41	M10	Z	-10.483	72
42	M10	Mx	-.003	72
43	MP3A	X	25.211	36
44	MP3A	Z	-43.667	36
45	MP3A	Mx	.013	36
46	MP4A	X	24.369	36
47	MP4A	Z	-42.209	36
48	MP4A	Mx	.012	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	14.071	84
2	M7	Z	-8.124	84
3	M7	Mx	-.006	84
4	M7	X	14.071	84
5	M7	Z	-8.124	84
6	M7	Mx	.006	84
7	MP2A	X	30.582	18
8	MP2A	Z	-17.657	18
9	MP2A	Mx	-.015	18
10	MP2A	X	30.582	42
11	MP2A	Z	-17.657	42
12	MP2A	Mx	-.015	42
13	MP3A	X	103.834	3
14	MP3A	Z	-59.949	3
15	MP3A	Mx	-.089	3
16	MP3A	X	103.834	45
17	MP3A	Z	-59.949	45
18	MP3A	Mx	-.089	45
19	MP3A	X	103.834	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
20	MP3A	Z	-59.949	3
21	MP3A	Mx	-.014	3
22	MP3A	X	103.834	45
23	MP3A	Z	-59.949	45
24	MP3A	Mx	-.014	45
25	MP1A	X	72.164	6
26	MP1A	Z	-41.664	6
27	MP1A	Mx	-.036	6
28	MP1A	X	72.164	42
29	MP1A	Z	-41.664	42
30	MP1A	Mx	-.036	42
31	MP5A	X	72.164	6
32	MP5A	Z	-41.664	6
33	MP5A	Mx	-.036	6
34	MP5A	X	72.164	42
35	MP5A	Z	-41.664	42
36	MP5A	Mx	-.036	42
37	MP2A	X	10.848	84
38	MP2A	Z	-6.263	84
39	MP2A	Mx	-.005	84
40	M10	X	8.733	72
41	M10	Z	-5.042	72
42	M10	Mx	-.004	72
43	MP3A	X	35.839	36
44	MP3A	Z	-20.692	36
45	MP3A	Mx	.018	36
46	MP4A	X	31.465	36
47	MP4A	Z	-18.166	36
48	MP4A	Mx	.016	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	10.321	84
2	M7	Z	0	84
3	M7	Mx	-.004	84
4	M7	X	10.321	84
5	M7	Z	0	84
6	M7	Mx	.004	84
7	MP2A	X	23.926	18
8	MP2A	Z	0	18
9	MP2A	Mx	-.012	18
10	MP2A	X	23.926	42
11	MP2A	Z	0	42
12	MP2A	Mx	-.012	42
13	MP3A	X	106.044	3
14	MP3A	Z	0	3
15	MP3A	Mx	-.053	3
16	MP3A	X	106.044	45
17	MP3A	Z	0	45
18	MP3A	Mx	-.053	45
19	MP3A	X	106.044	3
20	MP3A	Z	0	3
21	MP3A	Mx	-.053	3
22	MP3A	X	106.044	45
23	MP3A	Z	0	45
24	MP3A	Mx	-.053	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1A	X	95.685	6
26	MP1A	Z	0	6
27	MP1A	Mx	-.048	6
28	MP1A	X	95.685	42
29	MP1A	Z	0	42
30	MP1A	Mx	-.048	42
31	MP5A	X	95.685	6
32	MP5A	Z	0	6
33	MP5A	Mx	-.048	6
34	MP5A	X	95.685	42
35	MP5A	Z	0	42
36	MP5A	Mx	-.048	42
37	MP2A	X	6.187	84
38	MP2A	Z	0	84
39	MP2A	Mx	-.003	84
40	M10	X	9.074	72
41	M10	Z	0	72
42	M10	Mx	-.005	72
43	MP3A	X	36.864	36
44	MP3A	Z	0	36
45	MP3A	Mx	.018	36
46	MP4A	X	30.129	36
47	MP4A	Z	0	36
48	MP4A	Mx	.015	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	14.071	84
2	M7	Z	8.124	84
3	M7	Mx	-.006	84
4	M7	X	14.071	84
5	M7	Z	8.124	84
6	M7	Mx	.006	84
7	MP2A	X	30.582	18
8	MP2A	Z	17.657	18
9	MP2A	Mx	-.015	18
10	MP2A	X	30.582	42
11	MP2A	Z	17.657	42
12	MP2A	Mx	-.015	42
13	MP3A	X	103.834	3
14	MP3A	Z	59.949	3
15	MP3A	Mx	-.014	3
16	MP3A	X	103.834	45
17	MP3A	Z	59.949	45
18	MP3A	Mx	-.014	45
19	MP3A	X	103.834	3
20	MP3A	Z	59.949	3
21	MP3A	Mx	-.089	3
22	MP3A	X	103.834	45
23	MP3A	Z	59.949	45
24	MP3A	Mx	-.089	45
25	MP1A	X	72.164	6
26	MP1A	Z	41.664	6
27	MP1A	Mx	-.036	6
28	MP1A	X	72.164	42
29	MP1A	Z	41.664	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
30	MP1A	Mx	-.036	42
31	MP5A	X	72.164	6
32	MP5A	Z	41.664	6
33	MP5A	Mx	-.036	6
34	MP5A	X	72.164	42
35	MP5A	Z	41.664	42
36	MP5A	Mx	-.036	42
37	MP2A	X	10.848	84
38	MP2A	Z	6.263	84
39	MP2A	Mx	-.005	84
40	M10	X	8.733	72
41	M10	Z	5.042	72
42	M10	Mx	-.004	72
43	MP3A	X	35.839	36
44	MP3A	Z	20.692	36
45	MP3A	Mx	.018	36
46	MP4A	X	31.465	36
47	MP4A	Z	18.166	36
48	MP4A	Mx	.016	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	14.051	84
2	M7	Z	24.337	84
3	M7	Mx	-.006	84
4	M7	X	14.051	84
5	M7	Z	24.337	84
6	M7	Mx	.006	84
7	MP2A	X	29.044	18
8	MP2A	Z	50.305	18
9	MP2A	Mx	-.015	18
10	MP2A	X	29.044	42
11	MP2A	Z	50.305	42
12	MP2A	Mx	-.015	42
13	MP3A	X	73.802	3
14	MP3A	Z	127.829	3
15	MP3A	Mx	.043	3
16	MP3A	X	73.802	45
17	MP3A	Z	127.829	45
18	MP3A	Mx	.043	45
19	MP3A	X	73.802	3
20	MP3A	Z	127.829	3
21	MP3A	Mx	-.117	3
22	MP3A	X	73.802	45
23	MP3A	Z	127.829	45
24	MP3A	Mx	-.117	45
25	MP1A	X	29.307	6
26	MP1A	Z	50.761	6
27	MP1A	Mx	-.015	6
28	MP1A	X	29.307	42
29	MP1A	Z	50.761	42
30	MP1A	Mx	-.015	42
31	MP5A	X	29.307	6
32	MP5A	Z	50.761	6
33	MP5A	Mx	-.015	6
34	MP5A	X	29.307	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
35	MP5A	Z	50.761	42
36	MP5A	Mx	-.015	42
37	MP2A	X	12.604	84
38	MP2A	Z	21.83	84
39	MP2A	Mx	-.006	84
40	M10	X	6.052	72
41	M10	Z	10.483	72
42	M10	Mx	-.003	72
43	MP3A	X	25.211	36
44	MP3A	Z	43.667	36
45	MP3A	Mx	.013	36
46	MP4A	X	24.369	36
47	MP4A	Z	42.209	36
48	MP4A	Mx	.012	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	0	84
2	M7	Z	34.028	84
3	M7	Mx	0	84
4	M7	X	0	84
5	M7	Z	34.028	84
6	M7	Mx	0	84
7	MP2A	X	0	18
8	MP2A	Z	69.475	18
9	MP2A	Mx	0	18
10	MP2A	X	0	42
11	MP2A	Z	69.475	42
12	MP2A	Mx	0	42
13	MP3A	X	0	3
14	MP3A	Z	161.458	3
15	MP3A	Mx	.101	3
16	MP3A	X	0	45
17	MP3A	Z	161.458	45
18	MP3A	Mx	.101	45
19	MP3A	X	0	3
20	MP3A	Z	161.458	3
21	MP3A	Mx	-.101	3
22	MP3A	X	0	45
23	MP3A	Z	161.458	45
24	MP3A	Mx	-.101	45
25	MP1A	X	0	6
26	MP1A	Z	46.257	6
27	MP1A	Mx	0	6
28	MP1A	X	0	42
29	MP1A	Z	46.257	42
30	MP1A	Mx	0	42
31	MP5A	X	0	6
32	MP5A	Z	46.257	6
33	MP5A	Mx	0	6
34	MP5A	X	0	42
35	MP5A	Z	46.257	42
36	MP5A	Mx	0	42
37	MP2A	X	0	84
38	MP2A	Z	31.547	84
39	MP2A	Mx	0	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
40	M10	X	0	72
41	M10	Z	13.115	72
42	M10	Mx	0	72
43	MP3A	X	0	36
44	MP3A	Z	54.942	36
45	MP3A	Mx	0	36
46	MP4A	X	0	36
47	MP4A	Z	54.942	36
48	MP4A	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-14.051	84
2	M7	Z	24.337	84
3	M7	Mx	.006	84
4	M7	X	-14.051	84
5	M7	Z	24.337	84
6	M7	Mx	-.006	84
7	MP2A	X	-29.044	18
8	MP2A	Z	50.305	18
9	MP2A	Mx	.015	18
10	MP2A	X	-29.044	42
11	MP2A	Z	50.305	42
12	MP2A	Mx	.015	42
13	MP3A	X	-73.802	3
14	MP3A	Z	127.829	3
15	MP3A	Mx	.117	3
16	MP3A	X	-73.802	45
17	MP3A	Z	127.829	45
18	MP3A	Mx	.117	45
19	MP3A	X	-73.802	3
20	MP3A	Z	127.829	3
21	MP3A	Mx	-.043	3
22	MP3A	X	-73.802	45
23	MP3A	Z	127.829	45
24	MP3A	Mx	-.043	45
25	MP1A	X	-29.307	6
26	MP1A	Z	50.761	6
27	MP1A	Mx	.015	6
28	MP1A	X	-29.307	42
29	MP1A	Z	50.761	42
30	MP1A	Mx	.015	42
31	MP5A	X	-29.307	6
32	MP5A	Z	50.761	6
33	MP5A	Mx	.015	6
34	MP5A	X	-29.307	42
35	MP5A	Z	50.761	42
36	MP5A	Mx	.015	42
37	MP2A	X	-12.604	84
38	MP2A	Z	21.83	84
39	MP2A	Mx	.006	84
40	M10	X	-6.052	72
41	M10	Z	10.483	72
42	M10	Mx	.003	72
43	MP3A	X	-25.211	36
44	MP3A	Z	43.667	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
45	MP3A	Mx	-.013	36
46	MP4A	X	-24.369	36
47	MP4A	Z	42.209	36
48	MP4A	Mx	-.012	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-14.071	84
2	M7	Z	8.124	84
3	M7	Mx	.006	84
4	M7	X	-14.071	84
5	M7	Z	8.124	84
6	M7	Mx	-.006	84
7	MP2A	X	-30.582	18
8	MP2A	Z	17.657	18
9	MP2A	Mx	.015	18
10	MP2A	X	-30.582	42
11	MP2A	Z	17.657	42
12	MP2A	Mx	.015	42
13	MP3A	X	-103.834	3
14	MP3A	Z	59.949	3
15	MP3A	Mx	.089	3
16	MP3A	X	-103.834	45
17	MP3A	Z	59.949	45
18	MP3A	Mx	.089	45
19	MP3A	X	-103.834	3
20	MP3A	Z	59.949	3
21	MP3A	Mx	.014	3
22	MP3A	X	-103.834	45
23	MP3A	Z	59.949	45
24	MP3A	Mx	.014	45
25	MP1A	X	-72.164	6
26	MP1A	Z	41.664	6
27	MP1A	Mx	.036	6
28	MP1A	X	-72.164	42
29	MP1A	Z	41.664	42
30	MP1A	Mx	.036	42
31	MP5A	X	-72.164	6
32	MP5A	Z	41.664	6
33	MP5A	Mx	.036	6
34	MP5A	X	-72.164	42
35	MP5A	Z	41.664	42
36	MP5A	Mx	.036	42
37	MP2A	X	-10.848	84
38	MP2A	Z	6.263	84
39	MP2A	Mx	.005	84
40	M10	X	-8.733	72
41	M10	Z	5.042	72
42	M10	Mx	.004	72
43	MP3A	X	-35.839	36
44	MP3A	Z	20.692	36
45	MP3A	Mx	-.018	36
46	MP4A	X	-31.465	36
47	MP4A	Z	18.166	36
48	MP4A	Mx	-.016	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-10.321	84
2	M7	Z	0	84
3	M7	Mx	.004	84
4	M7	X	-10.321	84
5	M7	Z	0	84
6	M7	Mx	-.004	84
7	MP2A	X	-23.926	18
8	MP2A	Z	0	18
9	MP2A	Mx	.012	18
10	MP2A	X	-23.926	42
11	MP2A	Z	0	42
12	MP2A	Mx	.012	42
13	MP3A	X	-106.044	3
14	MP3A	Z	0	3
15	MP3A	Mx	.053	3
16	MP3A	X	-106.044	45
17	MP3A	Z	0	45
18	MP3A	Mx	.053	45
19	MP3A	X	-106.044	3
20	MP3A	Z	0	3
21	MP3A	Mx	.053	3
22	MP3A	X	-106.044	45
23	MP3A	Z	0	45
24	MP3A	Mx	.053	45
25	MP1A	X	-95.685	6
26	MP1A	Z	0	6
27	MP1A	Mx	.048	6
28	MP1A	X	-95.685	42
29	MP1A	Z	0	42
30	MP1A	Mx	.048	42
31	MP5A	X	-95.685	6
32	MP5A	Z	0	6
33	MP5A	Mx	.048	6
34	MP5A	X	-95.685	42
35	MP5A	Z	0	42
36	MP5A	Mx	.048	42
37	MP2A	X	-6.187	84
38	MP2A	Z	0	84
39	MP2A	Mx	.003	84
40	M10	X	-9.074	72
41	M10	Z	0	72
42	M10	Mx	.005	72
43	MP3A	X	-36.864	36
44	MP3A	Z	0	36
45	MP3A	Mx	-.018	36
46	MP4A	X	-30.129	36
47	MP4A	Z	0	36
48	MP4A	Mx	-.015	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-14.071	84
2	M7	Z	-8.124	84
3	M7	Mx	.006	84
4	M7	X	-14.071	84
5	M7	Z	-8.124	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
6	M7	Mx	-.006	84
7	MP2A	X	-30.582	18
8	MP2A	Z	-17.657	18
9	MP2A	Mx	.015	18
10	MP2A	X	-30.582	42
11	MP2A	Z	-17.657	42
12	MP2A	Mx	.015	42
13	MP3A	X	-103.834	3
14	MP3A	Z	-59.949	3
15	MP3A	Mx	.014	3
16	MP3A	X	-103.834	45
17	MP3A	Z	-59.949	45
18	MP3A	Mx	.014	45
19	MP3A	X	-103.834	3
20	MP3A	Z	-59.949	3
21	MP3A	Mx	.089	3
22	MP3A	X	-103.834	45
23	MP3A	Z	-59.949	45
24	MP3A	Mx	.089	45
25	MP1A	X	-72.164	6
26	MP1A	Z	-41.664	6
27	MP1A	Mx	.036	6
28	MP1A	X	-72.164	42
29	MP1A	Z	-41.664	42
30	MP1A	Mx	.036	42
31	MP5A	X	-72.164	6
32	MP5A	Z	-41.664	6
33	MP5A	Mx	.036	6
34	MP5A	X	-72.164	42
35	MP5A	Z	-41.664	42
36	MP5A	Mx	.036	42
37	MP2A	X	-10.848	84
38	MP2A	Z	-6.263	84
39	MP2A	Mx	.005	84
40	M10	X	-8.733	72
41	M10	Z	-5.042	72
42	M10	Mx	.004	72
43	MP3A	X	-35.839	36
44	MP3A	Z	-20.692	36
45	MP3A	Mx	-.018	36
46	MP4A	X	-31.465	36
47	MP4A	Z	-18.166	36
48	MP4A	Mx	-.016	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-14.051	84
2	M7	Z	-24.337	84
3	M7	Mx	.006	84
4	M7	X	-14.051	84
5	M7	Z	-24.337	84
6	M7	Mx	-.006	84
7	MP2A	X	-29.044	18
8	MP2A	Z	-50.305	18
9	MP2A	Mx	.015	18
10	MP2A	X	-29.044	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP2A	Z	-50.305	42
12	MP2A	Mx	.015	42
13	MP3A	X	-73.802	3
14	MP3A	Z	-127.829	3
15	MP3A	Mx	-.043	3
16	MP3A	X	-73.802	45
17	MP3A	Z	-127.829	45
18	MP3A	Mx	-.043	45
19	MP3A	X	-73.802	3
20	MP3A	Z	-127.829	3
21	MP3A	Mx	.117	3
22	MP3A	X	-73.802	45
23	MP3A	Z	-127.829	45
24	MP3A	Mx	.117	45
25	MP1A	X	-29.307	6
26	MP1A	Z	-50.761	6
27	MP1A	Mx	.015	6
28	MP1A	X	-29.307	42
29	MP1A	Z	-50.761	42
30	MP1A	Mx	.015	42
31	MP5A	X	-29.307	6
32	MP5A	Z	-50.761	6
33	MP5A	Mx	.015	6
34	MP5A	X	-29.307	42
35	MP5A	Z	-50.761	42
36	MP5A	Mx	.015	42
37	MP2A	X	-12.604	84
38	MP2A	Z	-21.83	84
39	MP2A	Mx	.006	84
40	M10	X	-6.052	72
41	M10	Z	-10.483	72
42	M10	Mx	.003	72
43	MP3A	X	-25.211	36
44	MP3A	Z	-43.667	36
45	MP3A	Mx	-.013	36
46	MP4A	X	-24.369	36
47	MP4A	Z	-42.209	36
48	MP4A	Mx	-.012	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	0	84
2	M7	Z	-8.589	84
3	M7	Mx	0	84
4	M7	X	0	84
5	M7	Z	-8.589	84
6	M7	Mx	0	84
7	MP2A	X	0	18
8	MP2A	Z	-17.401	18
9	MP2A	Mx	0	18
10	MP2A	X	0	42
11	MP2A	Z	-17.401	42
12	MP2A	Mx	0	42
13	MP3A	X	0	3
14	MP3A	Z	-32.256	3
15	MP3A	Mx	-.02	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
16	MP3A	X	0	45
17	MP3A	Z	-32.256	45
18	MP3A	Mx	-.02	45
19	MP3A	X	0	3
20	MP3A	Z	-32.256	3
21	MP3A	Mx	.02	3
22	MP3A	X	0	45
23	MP3A	Z	-32.256	45
24	MP3A	Mx	.02	45
25	MP1A	X	0	6
26	MP1A	Z	-10.708	6
27	MP1A	Mx	0	6
28	MP1A	X	0	42
29	MP1A	Z	-10.708	42
30	MP1A	Mx	0	42
31	MP5A	X	0	6
32	MP5A	Z	-10.708	6
33	MP5A	Mx	0	6
34	MP5A	X	0	42
35	MP5A	Z	-10.708	42
36	MP5A	Mx	0	42
37	MP2A	X	0	84
38	MP2A	Z	-8.099	84
39	MP2A	Mx	0	84
40	M10	X	0	72
41	M10	Z	-4.057	72
42	M10	Mx	0	72
43	MP3A	X	0	36
44	MP3A	Z	-15.107	36
45	MP3A	Mx	0	36
46	MP4A	X	0	36
47	MP4A	Z	-15.107	36
48	MP4A	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	3.669	84
2	M7	Z	-6.355	84
3	M7	Mx	-.002	84
4	M7	X	3.669	84
5	M7	Z	-6.355	84
6	M7	Mx	.002	84
7	MP2A	X	7.495	18
8	MP2A	Z	-12.981	18
9	MP2A	Mx	-.004	18
10	MP2A	X	7.495	42
11	MP2A	Z	-12.981	42
12	MP2A	Mx	-.004	42
13	MP3A	X	14.89	3
14	MP3A	Z	-25.79	3
15	MP3A	Mx	-.024	3
16	MP3A	X	14.89	45
17	MP3A	Z	-25.79	45
18	MP3A	Mx	-.024	45
19	MP3A	X	14.89	3
20	MP3A	Z	-25.79	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP3A	Mx	.009	3
22	MP3A	X	14.89	45
23	MP3A	Z	-25.79	45
24	MP3A	Mx	.009	45
25	MP1A	X	6.484	6
26	MP1A	Z	-11.23	6
27	MP1A	Mx	-.003	6
28	MP1A	X	6.484	42
29	MP1A	Z	-11.23	42
30	MP1A	Mx	-.003	42
31	MP5A	X	6.484	6
32	MP5A	Z	-11.23	6
33	MP5A	Mx	-.003	6
34	MP5A	X	6.484	42
35	MP5A	Z	-11.23	42
36	MP5A	Mx	-.003	42
37	MP2A	X	3.385	84
38	MP2A	Z	-5.863	84
39	MP2A	Mx	-.002	84
40	M10	X	1.914	72
41	M10	Z	-3.316	72
42	M10	Mx	-.000957	72
43	MP3A	X	7.006	36
44	MP3A	Z	-12.135	36
45	MP3A	Mx	.004	36
46	MP4A	X	6.798	36
47	MP4A	Z	-11.775	36
48	MP4A	Mx	.003	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	4.188	84
2	M7	Z	-2.418	84
3	M7	Mx	-.002	84
4	M7	X	4.188	84
5	M7	Z	-2.418	84
6	M7	Mx	.002	84
7	MP2A	X	8.804	18
8	MP2A	Z	-5.083	18
9	MP2A	Mx	-.004	18
10	MP2A	X	8.804	42
11	MP2A	Z	-5.083	42
12	MP2A	Mx	-.004	42
13	MP3A	X	21.5	3
14	MP3A	Z	-12.413	3
15	MP3A	Mx	-.019	3
16	MP3A	X	21.5	45
17	MP3A	Z	-12.413	45
18	MP3A	Mx	-.019	45
19	MP3A	X	21.5	3
20	MP3A	Z	-12.413	3
21	MP3A	Mx	-.003	3
22	MP3A	X	21.5	45
23	MP3A	Z	-12.413	45
24	MP3A	Mx	-.003	45
25	MP1A	X	15.144	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP1A	Z	-8.743	6
27	MP1A	Mx	-.008	6
28	MP1A	X	15.144	42
29	MP1A	Z	-8.743	42
30	MP1A	Mx	-.008	42
31	MP5A	X	15.144	6
32	MP5A	Z	-8.743	6
33	MP5A	Mx	-.008	6
34	MP5A	X	15.144	42
35	MP5A	Z	-8.743	42
36	MP5A	Mx	-.008	42
37	MP2A	X	3.56	84
38	MP2A	Z	-2.055	84
39	MP2A	Mx	-.002	84
40	M10	X	2.921	72
41	M10	Z	-1.686	72
42	M10	Mx	-.001	72
43	MP3A	X	10.239	36
44	MP3A	Z	-5.912	36
45	MP3A	Mx	.005	36
46	MP4A	X	9.159	36
47	MP4A	Z	-5.288	36
48	MP4A	Mx	.005	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	3.585	84
2	M7	Z	0	84
3	M7	Mx	-.001	84
4	M7	X	3.585	84
5	M7	Z	0	84
6	M7	Mx	.001	84
7	MP2A	X	7.754	18
8	MP2A	Z	0	18
9	MP2A	Mx	-.004	18
10	MP2A	X	7.754	42
11	MP2A	Z	0	42
12	MP2A	Mx	-.004	42
13	MP3A	X	22.349	3
14	MP3A	Z	0	3
15	MP3A	Mx	-.011	3
16	MP3A	X	22.349	45
17	MP3A	Z	0	45
18	MP3A	Mx	-.011	45
19	MP3A	X	22.349	3
20	MP3A	Z	0	3
21	MP3A	Mx	-.011	3
22	MP3A	X	22.349	45
23	MP3A	Z	0	45
24	MP3A	Mx	-.011	45
25	MP1A	X	19.746	6
26	MP1A	Z	0	6
27	MP1A	Mx	-.01	6
28	MP1A	X	19.746	42
29	MP1A	Z	0	42
30	MP1A	Mx	-.01	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
31	MP5A	X	19.746	6
32	MP5A	Z	0	6
33	MP5A	Mx	-.01	6
34	MP5A	X	19.746	42
35	MP5A	Z	0	42
36	MP5A	Mx	-.01	42
37	MP2A	X	2.782	84
38	MP2A	Z	0	84
39	MP2A	Mx	-.001	84
40	M10	X	3.144	72
41	M10	Z	0	72
42	M10	Mx	-.002	72
43	MP3A	X	10.729	36
44	MP3A	Z	0	36
45	MP3A	Mx	.005	36
46	MP4A	X	9.065	36
47	MP4A	Z	0	36
48	MP4A	Mx	.005	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	4.188	84
2	M7	Z	2.418	84
3	M7	Mx	-.002	84
4	M7	X	4.188	84
5	M7	Z	2.418	84
6	M7	Mx	.002	84
7	MP2A	X	8.804	18
8	MP2A	Z	5.083	18
9	MP2A	Mx	-.004	18
10	MP2A	X	8.804	42
11	MP2A	Z	5.083	42
12	MP2A	Mx	-.004	42
13	MP3A	X	21.5	3
14	MP3A	Z	12.413	3
15	MP3A	Mx	-.003	3
16	MP3A	X	21.5	45
17	MP3A	Z	12.413	45
18	MP3A	Mx	-.003	45
19	MP3A	X	21.5	3
20	MP3A	Z	12.413	3
21	MP3A	Mx	-.019	3
22	MP3A	X	21.5	45
23	MP3A	Z	12.413	45
24	MP3A	Mx	-.019	45
25	MP1A	X	15.144	6
26	MP1A	Z	8.743	6
27	MP1A	Mx	-.008	6
28	MP1A	X	15.144	42
29	MP1A	Z	8.743	42
30	MP1A	Mx	-.008	42
31	MP5A	X	15.144	6
32	MP5A	Z	8.743	6
33	MP5A	Mx	-.008	6
34	MP5A	X	15.144	42
35	MP5A	Z	8.743	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
36	MP5A	Mx	-.008	42
37	MP2A	X	3.56	84
38	MP2A	Z	2.055	84
39	MP2A	Mx	-.002	84
40	M10	X	2.921	72
41	M10	Z	1.686	72
42	M10	Mx	-.001	72
43	MP3A	X	10.239	36
44	MP3A	Z	5.912	36
45	MP3A	Mx	.005	36
46	MP4A	X	9.159	36
47	MP4A	Z	5.288	36
48	MP4A	Mx	.005	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	3.669	84
2	M7	Z	6.355	84
3	M7	Mx	-.002	84
4	M7	X	3.669	84
5	M7	Z	6.355	84
6	M7	Mx	.002	84
7	MP2A	X	7.495	18
8	MP2A	Z	12.981	18
9	MP2A	Mx	-.004	18
10	MP2A	X	7.495	42
11	MP2A	Z	12.981	42
12	MP2A	Mx	-.004	42
13	MP3A	X	14.89	3
14	MP3A	Z	25.79	3
15	MP3A	Mx	.009	3
16	MP3A	X	14.89	45
17	MP3A	Z	25.79	45
18	MP3A	Mx	.009	45
19	MP3A	X	14.89	3
20	MP3A	Z	25.79	3
21	MP3A	Mx	-.024	3
22	MP3A	X	14.89	45
23	MP3A	Z	25.79	45
24	MP3A	Mx	-.024	45
25	MP1A	X	6.484	6
26	MP1A	Z	11.23	6
27	MP1A	Mx	-.003	6
28	MP1A	X	6.484	42
29	MP1A	Z	11.23	42
30	MP1A	Mx	-.003	42
31	MP5A	X	6.484	6
32	MP5A	Z	11.23	6
33	MP5A	Mx	-.003	6
34	MP5A	X	6.484	42
35	MP5A	Z	11.23	42
36	MP5A	Mx	-.003	42
37	MP2A	X	3.385	84
38	MP2A	Z	5.863	84
39	MP2A	Mx	-.002	84
40	M10	X	1.914	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	M10	Z	3.316	72
42	M10	Mx	-.000957	72
43	MP3A	X	7.006	36
44	MP3A	Z	12.135	36
45	MP3A	Mx	.004	36
46	MP4A	X	6.798	36
47	MP4A	Z	11.775	36
48	MP4A	Mx	.003	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	0	84
2	M7	Z	8.589	84
3	M7	Mx	0	84
4	M7	X	0	84
5	M7	Z	8.589	84
6	M7	Mx	0	84
7	MP2A	X	0	18
8	MP2A	Z	17.401	18
9	MP2A	Mx	0	18
10	MP2A	X	0	42
11	MP2A	Z	17.401	42
12	MP2A	Mx	0	42
13	MP3A	X	0	3
14	MP3A	Z	32.256	3
15	MP3A	Mx	.02	3
16	MP3A	X	0	45
17	MP3A	Z	32.256	45
18	MP3A	Mx	.02	45
19	MP3A	X	0	3
20	MP3A	Z	32.256	3
21	MP3A	Mx	-.02	3
22	MP3A	X	0	45
23	MP3A	Z	32.256	45
24	MP3A	Mx	-.02	45
25	MP1A	X	0	6
26	MP1A	Z	10.708	6
27	MP1A	Mx	0	6
28	MP1A	X	0	42
29	MP1A	Z	10.708	42
30	MP1A	Mx	0	42
31	MP5A	X	0	6
32	MP5A	Z	10.708	6
33	MP5A	Mx	0	6
34	MP5A	X	0	42
35	MP5A	Z	10.708	42
36	MP5A	Mx	0	42
37	MP2A	X	0	84
38	MP2A	Z	8.099	84
39	MP2A	Mx	0	84
40	M10	X	0	72
41	M10	Z	4.057	72
42	M10	Mx	0	72
43	MP3A	X	0	36
44	MP3A	Z	15.107	36
45	MP3A	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
46	MP4A	X	0	36
47	MP4A	Z	15.107	36
48	MP4A	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-3.669	84
2	M7	Z	6.355	84
3	M7	Mx	.002	84
4	M7	X	-3.669	84
5	M7	Z	6.355	84
6	M7	Mx	-.002	84
7	MP2A	X	-7.495	18
8	MP2A	Z	12.981	18
9	MP2A	Mx	.004	18
10	MP2A	X	-7.495	42
11	MP2A	Z	12.981	42
12	MP2A	Mx	.004	42
13	MP3A	X	-14.89	3
14	MP3A	Z	25.79	3
15	MP3A	Mx	.024	3
16	MP3A	X	-14.89	45
17	MP3A	Z	25.79	45
18	MP3A	Mx	.024	45
19	MP3A	X	-14.89	3
20	MP3A	Z	25.79	3
21	MP3A	Mx	-.009	3
22	MP3A	X	-14.89	45
23	MP3A	Z	25.79	45
24	MP3A	Mx	-.009	45
25	MP1A	X	-6.484	6
26	MP1A	Z	11.23	6
27	MP1A	Mx	.003	6
28	MP1A	X	-6.484	42
29	MP1A	Z	11.23	42
30	MP1A	Mx	.003	42
31	MP5A	X	-6.484	6
32	MP5A	Z	11.23	6
33	MP5A	Mx	.003	6
34	MP5A	X	-6.484	42
35	MP5A	Z	11.23	42
36	MP5A	Mx	.003	42
37	MP2A	X	-3.385	84
38	MP2A	Z	5.863	84
39	MP2A	Mx	.002	84
40	M10	X	-1.914	72
41	M10	Z	3.316	72
42	M10	Mx	.000957	72
43	MP3A	X	-7.006	36
44	MP3A	Z	12.135	36
45	MP3A	Mx	-.004	36
46	MP4A	X	-6.798	36
47	MP4A	Z	11.775	36
48	MP4A	Mx	-.003	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-4.188	84
2	M7	Z	2.418	84
3	M7	Mx	.002	84
4	M7	X	-4.188	84
5	M7	Z	2.418	84
6	M7	Mx	-.002	84
7	MP2A	X	-8.804	18
8	MP2A	Z	5.083	18
9	MP2A	Mx	.004	18
10	MP2A	X	-8.804	42
11	MP2A	Z	5.083	42
12	MP2A	Mx	.004	42
13	MP3A	X	-21.5	3
14	MP3A	Z	12.413	3
15	MP3A	Mx	.019	3
16	MP3A	X	-21.5	45
17	MP3A	Z	12.413	45
18	MP3A	Mx	.019	45
19	MP3A	X	-21.5	3
20	MP3A	Z	12.413	3
21	MP3A	Mx	.003	3
22	MP3A	X	-21.5	45
23	MP3A	Z	12.413	45
24	MP3A	Mx	.003	45
25	MP1A	X	-15.144	6
26	MP1A	Z	8.743	6
27	MP1A	Mx	.008	6
28	MP1A	X	-15.144	42
29	MP1A	Z	8.743	42
30	MP1A	Mx	.008	42
31	MP5A	X	-15.144	6
32	MP5A	Z	8.743	6
33	MP5A	Mx	.008	6
34	MP5A	X	-15.144	42
35	MP5A	Z	8.743	42
36	MP5A	Mx	.008	42
37	MP2A	X	-3.56	84
38	MP2A	Z	2.055	84
39	MP2A	Mx	.002	84
40	M10	X	-2.921	72
41	M10	Z	1.686	72
42	M10	Mx	.001	72
43	MP3A	X	-10.239	36
44	MP3A	Z	5.912	36
45	MP3A	Mx	-.005	36
46	MP4A	X	-9.159	36
47	MP4A	Z	5.288	36
48	MP4A	Mx	-.005	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-3.585	84
2	M7	Z	0	84
3	M7	Mx	.001	84
4	M7	X	-3.585	84
5	M7	Z	0	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
6	M7	Mx	-.001	84
7	MP2A	X	-7.754	18
8	MP2A	Z	0	18
9	MP2A	Mx	.004	18
10	MP2A	X	-7.754	42
11	MP2A	Z	0	42
12	MP2A	Mx	.004	42
13	MP3A	X	-22.349	3
14	MP3A	Z	0	3
15	MP3A	Mx	.011	3
16	MP3A	X	-22.349	45
17	MP3A	Z	0	45
18	MP3A	Mx	.011	45
19	MP3A	X	-22.349	3
20	MP3A	Z	0	3
21	MP3A	Mx	.011	3
22	MP3A	X	-22.349	45
23	MP3A	Z	0	45
24	MP3A	Mx	.011	45
25	MP1A	X	-19.746	6
26	MP1A	Z	0	6
27	MP1A	Mx	.01	6
28	MP1A	X	-19.746	42
29	MP1A	Z	0	42
30	MP1A	Mx	.01	42
31	MP5A	X	-19.746	6
32	MP5A	Z	0	6
33	MP5A	Mx	.01	6
34	MP5A	X	-19.746	42
35	MP5A	Z	0	42
36	MP5A	Mx	.01	42
37	MP2A	X	-2.782	84
38	MP2A	Z	0	84
39	MP2A	Mx	.001	84
40	M10	X	-3.144	72
41	M10	Z	0	72
42	M10	Mx	.002	72
43	MP3A	X	-10.729	36
44	MP3A	Z	0	36
45	MP3A	Mx	-.005	36
46	MP4A	X	-9.065	36
47	MP4A	Z	0	36
48	MP4A	Mx	-.005	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-4.188	84
2	M7	Z	-2.418	84
3	M7	Mx	.002	84
4	M7	X	-4.188	84
5	M7	Z	-2.418	84
6	M7	Mx	-.002	84
7	MP2A	X	-8.804	18
8	MP2A	Z	-5.083	18
9	MP2A	Mx	.004	18
10	MP2A	X	-8.804	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP2A	Z	-5.083	42
12	MP2A	Mx	.004	42
13	MP3A	X	-21.5	3
14	MP3A	Z	-12.413	3
15	MP3A	Mx	.003	3
16	MP3A	X	-21.5	45
17	MP3A	Z	-12.413	45
18	MP3A	Mx	.003	45
19	MP3A	X	-21.5	3
20	MP3A	Z	-12.413	3
21	MP3A	Mx	.019	3
22	MP3A	X	-21.5	45
23	MP3A	Z	-12.413	45
24	MP3A	Mx	.019	45
25	MP1A	X	-15.144	6
26	MP1A	Z	-8.743	6
27	MP1A	Mx	.008	6
28	MP1A	X	-15.144	42
29	MP1A	Z	-8.743	42
30	MP1A	Mx	.008	42
31	MP5A	X	-15.144	6
32	MP5A	Z	-8.743	6
33	MP5A	Mx	.008	6
34	MP5A	X	-15.144	42
35	MP5A	Z	-8.743	42
36	MP5A	Mx	.008	42
37	MP2A	X	-3.56	84
38	MP2A	Z	-2.055	84
39	MP2A	Mx	.002	84
40	M10	X	-2.921	72
41	M10	Z	-1.686	72
42	M10	Mx	.001	72
43	MP3A	X	-10.239	36
44	MP3A	Z	-5.912	36
45	MP3A	Mx	-.005	36
46	MP4A	X	-9.159	36
47	MP4A	Z	-5.288	36
48	MP4A	Mx	-.005	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-3.669	84
2	M7	Z	-6.355	84
3	M7	Mx	.002	84
4	M7	X	-3.669	84
5	M7	Z	-6.355	84
6	M7	Mx	-.002	84
7	MP2A	X	-7.495	18
8	MP2A	Z	-12.981	18
9	MP2A	Mx	.004	18
10	MP2A	X	-7.495	42
11	MP2A	Z	-12.981	42
12	MP2A	Mx	.004	42
13	MP3A	X	-14.89	3
14	MP3A	Z	-25.79	3
15	MP3A	Mx	-.009	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
16	MP3A	X	-14.89	45
17	MP3A	Z	-25.79	45
18	MP3A	Mx	-.009	45
19	MP3A	X	-14.89	3
20	MP3A	Z	-25.79	3
21	MP3A	Mx	.024	3
22	MP3A	X	-14.89	45
23	MP3A	Z	-25.79	45
24	MP3A	Mx	.024	45
25	MP1A	X	-6.484	6
26	MP1A	Z	-11.23	6
27	MP1A	Mx	.003	6
28	MP1A	X	-6.484	42
29	MP1A	Z	-11.23	42
30	MP1A	Mx	.003	42
31	MP5A	X	-6.484	6
32	MP5A	Z	-11.23	6
33	MP5A	Mx	.003	6
34	MP5A	X	-6.484	42
35	MP5A	Z	-11.23	42
36	MP5A	Mx	.003	42
37	MP2A	X	-3.385	84
38	MP2A	Z	-5.863	84
39	MP2A	Mx	.002	84
40	M10	X	-1.914	72
41	M10	Z	-3.316	72
42	M10	Mx	.000957	72
43	MP3A	X	-7.006	36
44	MP3A	Z	-12.135	36
45	MP3A	Mx	-.004	36
46	MP4A	X	-6.798	36
47	MP4A	Z	-11.775	36
48	MP4A	Mx	-.003	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	0	84
2	M7	Z	-2.127	84
3	M7	Mx	0	84
4	M7	X	0	84
5	M7	Z	-2.127	84
6	M7	Mx	0	84
7	MP2A	X	0	18
8	MP2A	Z	-4.342	18
9	MP2A	Mx	0	18
10	MP2A	X	0	42
11	MP2A	Z	-4.342	42
12	MP2A	Mx	0	42
13	MP3A	X	0	3
14	MP3A	Z	-10.091	3
15	MP3A	Mx	-.006	3
16	MP3A	X	0	45
17	MP3A	Z	-10.091	45
18	MP3A	Mx	-.006	45
19	MP3A	X	0	3
20	MP3A	Z	-10.091	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP3A	Mx	.006	3
22	MP3A	X	0	45
23	MP3A	Z	-10.091	45
24	MP3A	Mx	.006	45
25	MP1A	X	0	6
26	MP1A	Z	-2.891	6
27	MP1A	Mx	0	6
28	MP1A	X	0	42
29	MP1A	Z	-2.891	42
30	MP1A	Mx	0	42
31	MP5A	X	0	6
32	MP5A	Z	-2.891	6
33	MP5A	Mx	0	6
34	MP5A	X	0	42
35	MP5A	Z	-2.891	42
36	MP5A	Mx	0	42
37	MP2A	X	0	84
38	MP2A	Z	-1.972	84
39	MP2A	Mx	0	84
40	M10	X	0	72
41	M10	Z	-.82	72
42	M10	Mx	0	72
43	MP3A	X	0	36
44	MP3A	Z	-3.434	36
45	MP3A	Mx	0	36
46	MP4A	X	0	36
47	MP4A	Z	-3.434	36
48	MP4A	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	.878	84
2	M7	Z	-1.521	84
3	M7	Mx	-.000366	84
4	M7	X	.878	84
5	M7	Z	-1.521	84
6	M7	Mx	.000366	84
7	MP2A	X	1.815	18
8	MP2A	Z	-3.144	18
9	MP2A	Mx	-.000908	18
10	MP2A	X	1.815	42
11	MP2A	Z	-3.144	42
12	MP2A	Mx	-.000908	42
13	MP3A	X	4.613	3
14	MP3A	Z	-7.989	3
15	MP3A	Mx	-.007	3
16	MP3A	X	4.613	45
17	MP3A	Z	-7.989	45
18	MP3A	Mx	-.007	45
19	MP3A	X	4.613	3
20	MP3A	Z	-7.989	3
21	MP3A	Mx	.003	3
22	MP3A	X	4.613	45
23	MP3A	Z	-7.989	45
24	MP3A	Mx	.003	45
25	MP1A	X	1.832	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	MP1A	Z	-3.173	6
27	MP1A	Mx	-.000916	6
28	MP1A	X	1.832	42
29	MP1A	Z	-3.173	42
30	MP1A	Mx	-.000916	42
31	MP5A	X	1.832	6
32	MP5A	Z	-3.173	6
33	MP5A	Mx	-.000916	6
34	MP5A	X	1.832	42
35	MP5A	Z	-3.173	42
36	MP5A	Mx	-.000916	42
37	MP2A	X	.788	84
38	MP2A	Z	-1.364	84
39	MP2A	Mx	-.000394	84
40	M10	X	.378	72
41	M10	Z	-.655	72
42	M10	Mx	-.000189	72
43	MP3A	X	1.576	36
44	MP3A	Z	-2.729	36
45	MP3A	Mx	.000788	36
46	MP4A	X	1.523	36
47	MP4A	Z	-2.638	36
48	MP4A	Mx	.000762	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	.879	84
2	M7	Z	-.508	84
3	M7	Mx	-.000366	84
4	M7	X	.879	84
5	M7	Z	-.508	84
6	M7	Mx	.000366	84
7	MP2A	X	1.911	18
8	MP2A	Z	-1.104	18
9	MP2A	Mx	-.000956	18
10	MP2A	X	1.911	42
11	MP2A	Z	-1.104	42
12	MP2A	Mx	-.000956	42
13	MP3A	X	6.49	3
14	MP3A	Z	-3.747	3
15	MP3A	Mx	-.006	3
16	MP3A	X	6.49	45
17	MP3A	Z	-3.747	45
18	MP3A	Mx	-.006	45
19	MP3A	X	6.49	3
20	MP3A	Z	-3.747	3
21	MP3A	Mx	-.000903	3
22	MP3A	X	6.49	45
23	MP3A	Z	-3.747	45
24	MP3A	Mx	-.000903	45
25	MP1A	X	4.51	6
26	MP1A	Z	-2.604	6
27	MP1A	Mx	-.002	6
28	MP1A	X	4.51	42
29	MP1A	Z	-2.604	42
30	MP1A	Mx	-.002	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
31	MP5A	X	4.51	6
32	MP5A	Z	-2.604	6
33	MP5A	Mx	-.002	6
34	MP5A	X	4.51	42
35	MP5A	Z	-2.604	42
36	MP5A	Mx	-.002	42
37	MP2A	X	.678	84
38	MP2A	Z	-.391	84
39	MP2A	Mx	-.000339	84
40	M10	X	.546	72
41	M10	Z	-.315	72
42	M10	Mx	-.000273	72
43	MP3A	X	2.24	36
44	MP3A	Z	-1.293	36
45	MP3A	Mx	.001	36
46	MP4A	X	1.967	36
47	MP4A	Z	-1.135	36
48	MP4A	Mx	.000984	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	.645	84
2	M7	Z	0	84
3	M7	Mx	-.000269	84
4	M7	X	.645	84
5	M7	Z	0	84
6	M7	Mx	.000269	84
7	MP2A	X	1.495	18
8	MP2A	Z	0	18
9	MP2A	Mx	-.000748	18
10	MP2A	X	1.495	42
11	MP2A	Z	0	42
12	MP2A	Mx	-.000748	42
13	MP3A	X	6.628	3
14	MP3A	Z	0	3
15	MP3A	Mx	-.003	3
16	MP3A	X	6.628	45
17	MP3A	Z	0	45
18	MP3A	Mx	-.003	45
19	MP3A	X	6.628	3
20	MP3A	Z	0	3
21	MP3A	Mx	-.003	3
22	MP3A	X	6.628	45
23	MP3A	Z	0	45
24	MP3A	Mx	-.003	45
25	MP1A	X	5.98	6
26	MP1A	Z	0	6
27	MP1A	Mx	-.003	6
28	MP1A	X	5.98	42
29	MP1A	Z	0	42
30	MP1A	Mx	-.003	42
31	MP5A	X	5.98	6
32	MP5A	Z	0	6
33	MP5A	Mx	-.003	6
34	MP5A	X	5.98	42
35	MP5A	Z	0	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
36	MP5A	Mx	-.003	42
37	MP2A	X	.387	84
38	MP2A	Z	0	84
39	MP2A	Mx	-.000194	84
40	M10	X	.567	72
41	M10	Z	0	72
42	M10	Mx	-.000283	72
43	MP3A	X	2.304	36
44	MP3A	Z	0	36
45	MP3A	Mx	.001	36
46	MP4A	X	1.883	36
47	MP4A	Z	0	36
48	MP4A	Mx	.000942	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	.879	84
2	M7	Z	.508	84
3	M7	Mx	-.000366	84
4	M7	X	.879	84
5	M7	Z	.508	84
6	M7	Mx	.000366	84
7	MP2A	X	1.911	18
8	MP2A	Z	1.104	18
9	MP2A	Mx	-.000956	18
10	MP2A	X	1.911	42
11	MP2A	Z	1.104	42
12	MP2A	Mx	-.000956	42
13	MP3A	X	6.49	3
14	MP3A	Z	3.747	3
15	MP3A	Mx	-.000903	3
16	MP3A	X	6.49	45
17	MP3A	Z	3.747	45
18	MP3A	Mx	-.000903	45
19	MP3A	X	6.49	3
20	MP3A	Z	3.747	3
21	MP3A	Mx	-.006	3
22	MP3A	X	6.49	45
23	MP3A	Z	3.747	45
24	MP3A	Mx	-.006	45
25	MP1A	X	4.51	6
26	MP1A	Z	2.604	6
27	MP1A	Mx	-.002	6
28	MP1A	X	4.51	42
29	MP1A	Z	2.604	42
30	MP1A	Mx	-.002	42
31	MP5A	X	4.51	6
32	MP5A	Z	2.604	6
33	MP5A	Mx	-.002	6
34	MP5A	X	4.51	42
35	MP5A	Z	2.604	42
36	MP5A	Mx	-.002	42
37	MP2A	X	.678	84
38	MP2A	Z	.391	84
39	MP2A	Mx	-.000339	84
40	M10	X	.546	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	M10	Z	.315	72
42	M10	Mx	-.000273	72
43	MP3A	X	2.24	36
44	MP3A	Z	1.293	36
45	MP3A	Mx	.001	36
46	MP4A	X	1.967	36
47	MP4A	Z	1.135	36
48	MP4A	Mx	.000984	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	.878	84
2	M7	Z	1.521	84
3	M7	Mx	-.000366	84
4	M7	X	.878	84
5	M7	Z	1.521	84
6	M7	Mx	.000366	84
7	MP2A	X	1.815	18
8	MP2A	Z	3.144	18
9	MP2A	Mx	-.000908	18
10	MP2A	X	1.815	42
11	MP2A	Z	3.144	42
12	MP2A	Mx	-.000908	42
13	MP3A	X	4.613	3
14	MP3A	Z	7.989	3
15	MP3A	Mx	.003	3
16	MP3A	X	4.613	45
17	MP3A	Z	7.989	45
18	MP3A	Mx	.003	45
19	MP3A	X	4.613	3
20	MP3A	Z	7.989	3
21	MP3A	Mx	-.007	3
22	MP3A	X	4.613	45
23	MP3A	Z	7.989	45
24	MP3A	Mx	-.007	45
25	MP1A	X	1.832	6
26	MP1A	Z	3.173	6
27	MP1A	Mx	-.000916	6
28	MP1A	X	1.832	42
29	MP1A	Z	3.173	42
30	MP1A	Mx	-.000916	42
31	MP5A	X	1.832	6
32	MP5A	Z	3.173	6
33	MP5A	Mx	-.000916	6
34	MP5A	X	1.832	42
35	MP5A	Z	3.173	42
36	MP5A	Mx	-.000916	42
37	MP2A	X	.788	84
38	MP2A	Z	1.364	84
39	MP2A	Mx	-.000394	84
40	M10	X	.378	72
41	M10	Z	.655	72
42	M10	Mx	-.000189	72
43	MP3A	X	1.576	36
44	MP3A	Z	2.729	36
45	MP3A	Mx	.000788	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
46	MP4A	X	1.523	36
47	MP4A	Z	2.638	36
48	MP4A	Mx	.000762	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	0	84
2	M7	Z	2.127	84
3	M7	Mx	0	84
4	M7	X	0	84
5	M7	Z	2.127	84
6	M7	Mx	0	84
7	MP2A	X	0	18
8	MP2A	Z	4.342	18
9	MP2A	Mx	0	18
10	MP2A	X	0	42
11	MP2A	Z	4.342	42
12	MP2A	Mx	0	42
13	MP3A	X	0	3
14	MP3A	Z	10.091	3
15	MP3A	Mx	.006	3
16	MP3A	X	0	45
17	MP3A	Z	10.091	45
18	MP3A	Mx	.006	45
19	MP3A	X	0	3
20	MP3A	Z	10.091	3
21	MP3A	Mx	-.006	3
22	MP3A	X	0	45
23	MP3A	Z	10.091	45
24	MP3A	Mx	-.006	45
25	MP1A	X	0	6
26	MP1A	Z	2.891	6
27	MP1A	Mx	0	6
28	MP1A	X	0	42
29	MP1A	Z	2.891	42
30	MP1A	Mx	0	42
31	MP5A	X	0	6
32	MP5A	Z	2.891	6
33	MP5A	Mx	0	6
34	MP5A	X	0	42
35	MP5A	Z	2.891	42
36	MP5A	Mx	0	42
37	MP2A	X	0	84
38	MP2A	Z	1.972	84
39	MP2A	Mx	0	84
40	M10	X	0	72
41	M10	Z	.82	72
42	M10	Mx	0	72
43	MP3A	X	0	36
44	MP3A	Z	3.434	36
45	MP3A	Mx	0	36
46	MP4A	X	0	36
47	MP4A	Z	3.434	36
48	MP4A	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-.878	84
2	M7	Z	1.521	84
3	M7	Mx	.000366	84
4	M7	X	-.878	84
5	M7	Z	1.521	84
6	M7	Mx	-.000366	84
7	MP2A	X	-1.815	18
8	MP2A	Z	3.144	18
9	MP2A	Mx	.000908	18
10	MP2A	X	-1.815	42
11	MP2A	Z	3.144	42
12	MP2A	Mx	.000908	42
13	MP3A	X	-4.613	3
14	MP3A	Z	7.989	3
15	MP3A	Mx	.007	3
16	MP3A	X	-4.613	45
17	MP3A	Z	7.989	45
18	MP3A	Mx	.007	45
19	MP3A	X	-4.613	3
20	MP3A	Z	7.989	3
21	MP3A	Mx	-.003	3
22	MP3A	X	-4.613	45
23	MP3A	Z	7.989	45
24	MP3A	Mx	-.003	45
25	MP1A	X	-1.832	6
26	MP1A	Z	3.173	6
27	MP1A	Mx	.000916	6
28	MP1A	X	-1.832	42
29	MP1A	Z	3.173	42
30	MP1A	Mx	.000916	42
31	MP5A	X	-1.832	6
32	MP5A	Z	3.173	6
33	MP5A	Mx	.000916	6
34	MP5A	X	-1.832	42
35	MP5A	Z	3.173	42
36	MP5A	Mx	.000916	42
37	MP2A	X	-.788	84
38	MP2A	Z	1.364	84
39	MP2A	Mx	.000394	84
40	M10	X	-.378	72
41	M10	Z	.655	72
42	M10	Mx	.000189	72
43	MP3A	X	-1.576	36
44	MP3A	Z	2.729	36
45	MP3A	Mx	-.000788	36
46	MP4A	X	-1.523	36
47	MP4A	Z	2.638	36
48	MP4A	Mx	-.000762	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-.879	84
2	M7	Z	.508	84
3	M7	Mx	.000366	84
4	M7	X	-.879	84
5	M7	Z	.508	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
6	M7	Mx	-.000366	84
7	MP2A	X	-1.911	18
8	MP2A	Z	1.104	18
9	MP2A	Mx	.000956	18
10	MP2A	X	-1.911	42
11	MP2A	Z	1.104	42
12	MP2A	Mx	.000956	42
13	MP3A	X	-6.49	3
14	MP3A	Z	3.747	3
15	MP3A	Mx	.006	3
16	MP3A	X	-6.49	45
17	MP3A	Z	3.747	45
18	MP3A	Mx	.006	45
19	MP3A	X	-6.49	3
20	MP3A	Z	3.747	3
21	MP3A	Mx	.000903	3
22	MP3A	X	-6.49	45
23	MP3A	Z	3.747	45
24	MP3A	Mx	.000903	45
25	MP1A	X	-4.51	6
26	MP1A	Z	2.604	6
27	MP1A	Mx	.002	6
28	MP1A	X	-4.51	42
29	MP1A	Z	2.604	42
30	MP1A	Mx	.002	42
31	MP5A	X	-4.51	6
32	MP5A	Z	2.604	6
33	MP5A	Mx	.002	6
34	MP5A	X	-4.51	42
35	MP5A	Z	2.604	42
36	MP5A	Mx	.002	42
37	MP2A	X	-.678	84
38	MP2A	Z	.391	84
39	MP2A	Mx	.000339	84
40	M10	X	-.546	72
41	M10	Z	.315	72
42	M10	Mx	.000273	72
43	MP3A	X	-2.24	36
44	MP3A	Z	1.293	36
45	MP3A	Mx	-.001	36
46	MP4A	X	-1.967	36
47	MP4A	Z	1.135	36
48	MP4A	Mx	-.000984	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-.645	84
2	M7	Z	0	84
3	M7	Mx	.000269	84
4	M7	X	-.645	84
5	M7	Z	0	84
6	M7	Mx	-.000269	84
7	MP2A	X	-1.495	18
8	MP2A	Z	0	18
9	MP2A	Mx	.000748	18
10	MP2A	X	-1.495	42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
11	MP2A	Z	0	42
12	MP2A	Mx	.000748	42
13	MP3A	X	-6.628	3
14	MP3A	Z	0	3
15	MP3A	Mx	.003	3
16	MP3A	X	-6.628	45
17	MP3A	Z	0	45
18	MP3A	Mx	.003	45
19	MP3A	X	-6.628	3
20	MP3A	Z	0	3
21	MP3A	Mx	.003	3
22	MP3A	X	-6.628	45
23	MP3A	Z	0	45
24	MP3A	Mx	.003	45
25	MP1A	X	-5.98	6
26	MP1A	Z	0	6
27	MP1A	Mx	.003	6
28	MP1A	X	-5.98	42
29	MP1A	Z	0	42
30	MP1A	Mx	.003	42
31	MP5A	X	-5.98	6
32	MP5A	Z	0	6
33	MP5A	Mx	.003	6
34	MP5A	X	-5.98	42
35	MP5A	Z	0	42
36	MP5A	Mx	.003	42
37	MP2A	X	-.387	84
38	MP2A	Z	0	84
39	MP2A	Mx	.000194	84
40	M10	X	-.567	72
41	M10	Z	0	72
42	M10	Mx	.000283	72
43	MP3A	X	-2.304	36
44	MP3A	Z	0	36
45	MP3A	Mx	-.001	36
46	MP4A	X	-1.883	36
47	MP4A	Z	0	36
48	MP4A	Mx	-.000942	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-.879	84
2	M7	Z	-.508	84
3	M7	Mx	.000366	84
4	M7	X	-.879	84
5	M7	Z	-.508	84
6	M7	Mx	-.000366	84
7	MP2A	X	-1.911	18
8	MP2A	Z	-1.104	18
9	MP2A	Mx	.000956	18
10	MP2A	X	-1.911	42
11	MP2A	Z	-1.104	42
12	MP2A	Mx	.000956	42
13	MP3A	X	-6.49	3
14	MP3A	Z	-3.747	3
15	MP3A	Mx	.000903	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
16	MP3A	X	-6.49	45
17	MP3A	Z	-3.747	45
18	MP3A	Mx	.000903	45
19	MP3A	X	-6.49	3
20	MP3A	Z	-3.747	3
21	MP3A	Mx	.006	3
22	MP3A	X	-6.49	45
23	MP3A	Z	-3.747	45
24	MP3A	Mx	.006	45
25	MP1A	X	-4.51	6
26	MP1A	Z	-2.604	6
27	MP1A	Mx	.002	6
28	MP1A	X	-4.51	42
29	MP1A	Z	-2.604	42
30	MP1A	Mx	.002	42
31	MP5A	X	-4.51	6
32	MP5A	Z	-2.604	6
33	MP5A	Mx	.002	6
34	MP5A	X	-4.51	42
35	MP5A	Z	-2.604	42
36	MP5A	Mx	.002	42
37	MP2A	X	-.678	84
38	MP2A	Z	-.391	84
39	MP2A	Mx	.000339	84
40	M10	X	-.546	72
41	M10	Z	-.315	72
42	M10	Mx	.000273	72
43	MP3A	X	-2.24	36
44	MP3A	Z	-1.293	36
45	MP3A	Mx	-.001	36
46	MP4A	X	-1.967	36
47	MP4A	Z	-1.135	36
48	MP4A	Mx	-.000984	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	-.878	84
2	M7	Z	-1.521	84
3	M7	Mx	.000366	84
4	M7	X	-.878	84
5	M7	Z	-1.521	84
6	M7	Mx	-.000366	84
7	MP2A	X	-1.815	18
8	MP2A	Z	-3.144	18
9	MP2A	Mx	.000908	18
10	MP2A	X	-1.815	42
11	MP2A	Z	-3.144	42
12	MP2A	Mx	.000908	42
13	MP3A	X	-4.613	3
14	MP3A	Z	-7.989	3
15	MP3A	Mx	-.003	3
16	MP3A	X	-4.613	45
17	MP3A	Z	-7.989	45
18	MP3A	Mx	-.003	45
19	MP3A	X	-4.613	3
20	MP3A	Z	-7.989	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
21	MP3A	Mx	.007	3
22	MP3A	X	-4.613	45
23	MP3A	Z	-7.989	45
24	MP3A	Mx	.007	45
25	MP1A	X	-1.832	6
26	MP1A	Z	-3.173	6
27	MP1A	Mx	.000916	6
28	MP1A	X	-1.832	42
29	MP1A	Z	-3.173	42
30	MP1A	Mx	.000916	42
31	MP5A	X	-1.832	6
32	MP5A	Z	-3.173	6
33	MP5A	Mx	.000916	6
34	MP5A	X	-1.832	42
35	MP5A	Z	-3.173	42
36	MP5A	Mx	.000916	42
37	MP2A	X	-.788	84
38	MP2A	Z	-1.364	84
39	MP2A	Mx	.000394	84
40	M10	X	-.378	72
41	M10	Z	-.655	72
42	M10	Mx	.000189	72
43	MP3A	X	-1.576	36
44	MP3A	Z	-2.729	36
45	MP3A	Mx	-.000788	36
46	MP4A	X	-1.523	36
47	MP4A	Z	-2.638	36
48	MP4A	Mx	-.000762	36

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M42	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M51	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M10	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	Y	-.68	84
2	M7	My	-.000283	84
3	M7	Mz	0	84
4	M7	Y	-.68	84
5	M7	My	.000283	84
6	M7	Mz	0	84
7	MP2A	Y	-1.682	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
8	MP2A	My	-.000841	18
9	MP2A	Mz	0	18
10	MP2A	Y	-1.682	42
11	MP2A	My	-.000841	42
12	MP2A	Mz	0	42
13	MP3A	Y	-1.222	3
14	MP3A	My	-.000611	3
15	MP3A	Mz	.000764	3
16	MP3A	Y	-1.222	45
17	MP3A	My	-.000611	45
18	MP3A	Mz	.000764	45
19	MP3A	Y	-1.222	3
20	MP3A	My	-.000611	3
21	MP3A	Mz	-.000764	3
22	MP3A	Y	-1.222	45
23	MP3A	My	-.000611	45
24	MP3A	Mz	-.000764	45
25	MP1A	Y	-.232	6
26	MP1A	My	-.000116	6
27	MP1A	Mz	0	6
28	MP1A	Y	-.232	42
29	MP1A	My	-.000116	42
30	MP1A	Mz	0	42
31	MP5A	Y	-.232	6
32	MP5A	My	-.000116	6
33	MP5A	Mz	0	6
34	MP5A	Y	-.232	42
35	MP5A	My	-.000116	42
36	MP5A	Mz	0	42
37	MP2A	Y	-.17	84
38	MP2A	My	-8.5e-5	84
39	MP2A	Mz	0	84
40	M10	Y	-.402	72
41	M10	My	-.000201	72
42	M10	Mz	0	72
43	MP3A	Y	-3.259	36
44	MP3A	My	.002	36
45	MP3A	Mz	0	36
46	MP4A	Y	-2.715	36
47	MP4A	My	.001	36
48	MP4A	Mz	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	Z	-1.699	84
2	M7	Mx	0	84
3	M7	Z	-1.699	84
4	M7	Mx	0	84
5	MP2A	Z	-4.204	18
6	MP2A	Mx	0	18
7	MP2A	Z	-4.204	42
8	MP2A	Mx	0	42
9	MP3A	Z	-3.055	3
10	MP3A	Mx	-.002	3
11	MP3A	Z	-3.055	45
12	MP3A	Mx	-.002	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP3A	Z	-3.055	3
14	MP3A	Mx	.002	3
15	MP3A	Z	-3.055	45
16	MP3A	Mx	.002	45
17	MP1A	Z	-.579	6
18	MP1A	Mx	0	6
19	MP1A	Z	-.579	42
20	MP1A	Mx	0	42
21	MP5A	Z	-.579	6
22	MP5A	Mx	0	6
23	MP5A	Z	-.579	42
24	MP5A	Mx	0	42
25	MP2A	Z	-.425	84
26	MP2A	Mx	0	84
27	M10	Z	-1.004	72
28	M10	Mx	0	72
29	MP3A	Z	-8.147	36
30	MP3A	Mx	0	36
31	MP4A	Z	-6.786	36
32	MP4A	Mx	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M7	X	1.699	84
2	M7	Mx	-.000708	84
3	M7	X	1.699	84
4	M7	Mx	.000708	84
5	MP2A	X	4.204	18
6	MP2A	Mx	-.002	18
7	MP2A	X	4.204	42
8	MP2A	Mx	-.002	42
9	MP3A	X	3.055	3
10	MP3A	Mx	-.002	3
11	MP3A	X	3.055	45
12	MP3A	Mx	-.002	45
13	MP3A	X	3.055	3
14	MP3A	Mx	-.002	3
15	MP3A	X	3.055	45
16	MP3A	Mx	-.002	45
17	MP1A	X	.579	6
18	MP1A	Mx	-.00029	6
19	MP1A	X	.579	42
20	MP1A	Mx	-.00029	42
21	MP5A	X	.579	6
22	MP5A	Mx	-.00029	6
23	MP5A	X	.579	42
24	MP5A	Mx	-.00029	42
25	MP2A	X	.425	84
26	MP2A	Mx	-.000212	84
27	M10	X	1.004	72
28	M10	Mx	-.000502	72
29	MP3A	X	8.147	36
30	MP3A	Mx	.004	36
31	MP4A	X	6.786	36
32	MP4A	Mx	.003	36

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	M3	Y	-14.716	-14.716	0	%100
2	M5	Y	-10.424	-10.424	0	%100
3	M6	Y	-10.424	-10.424	0	%100
4	M7	Y	-9.016	-9.016	0	%100
5	M8	Y	-10.424	-10.424	0	%100
6	M9	Y	-10.424	-10.424	0	%100
7	M10	Y	-9.016	-9.016	0	%100
8	M11	Y	-9.016	-9.016	0	%100
9	M12	Y	-9.016	-9.016	0	%100
10	M13	Y	-9.016	-9.016	0	%100
11	M14	Y	-9.016	-9.016	0	%100
12	M15	Y	-10.424	-10.424	0	%100
13	M17	Y	-10.424	-10.424	0	%100
14	M19	Y	-10.424	-10.424	0	0
15	M20	Y	-10.424	-10.424	0	%100
16	M21	Y	-10.424	-10.424	0	%100
17	M22	Y	-7.464	-7.464	0	%100
18	M23	Y	-7.464	-7.464	0	%100
19	M24	Y	-9.016	-9.016	0	%100
20	M25	Y	-10.424	-10.424	0	0
21	M26	Y	-10.424	-10.424	0	%100
22	M27	Y	-7.464	-7.464	0	%100
23	M28	Y	-10.424	-10.424	0	%100
24	M29	Y	-7.464	-7.464	0	%100
25	M30	Y	-10.424	-10.424	0	0
26	M31	Y	-10.424	-10.424	0	%100
27	M32	Y	-10.424	-10.424	0	%100
28	M33	Y	-7.464	-7.464	0	%100
29	M34	Y	-7.464	-7.464	0	%100
30	M35	Y	-9.016	-9.016	0	%100
31	M36	Y	-10.424	-10.424	0	0
32	MP5A	Y	-9.016	-9.016	0	%100
33	MP3A	Y	-9.016	-9.016	0	%100
34	MP1A	Y	-9.016	-9.016	0	%100
35	M52	Y	-9.016	-9.016	0	%100
36	M53	Y	-7.464	-7.464	0	%100
37	M54	Y	-7.464	-7.464	0	%100
38	MP4A	Y	-9.016	-9.016	0	%100
39	MP2A	Y	-9.016	-9.016	0	%100
40	M53A	Y	-10.424	-10.424	0	1.2
41	M54A	Y	-10.424	-10.424	0	1.2
42	M55	Y	-10.424	-10.424	0	4.8
43	M56	Y	-10.424	-10.424	0	4.8

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	M3	X	0	0	0	%100
2	M3	Z	-10.634	-10.634	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	-.652	-.652	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	-.652	-.652	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-8.419	-8.419	0	%100
9	M8	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,%]
10	M8	Z	-.652	-.652	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-.652	-.652	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-8.419	-8.419	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	-4.129	-4.129	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	-4.129	-4.129	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	-4.129	-4.129	0	%100
21	M14	X	0	0	0	%100
22	M14	Z	-4.129	-4.129	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	-1.403	-1.403	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-1.403	-1.403	0	%100
27	M19	X	0	0	0	0
28	M19	Z	-1.883	-1.883	0	0
29	M20	X	0	0	0	%100
30	M20	Z	-1.403	-1.403	0	%100
31	M21	X	0	0	0	%100
32	M21	Z	-1.403	-1.403	0	%100
33	M22	X	0	0	0	%100
34	M22	Z	-5.654	-5.654	0	%100
35	M23	X	0	0	0	%100
36	M23	Z	-5.654	-5.654	0	%100
37	M24	X	0	0	0	%100
38	M24	Z	-6.425	-6.425	0	%100
39	M25	X	0	0	0	0
40	M25	Z	-1.883	-1.883	0	0
41	M26	X	0	0	0	%100
42	M26	Z	-1.403	-1.403	0	%100
43	M27	X	0	0	0	%100
44	M27	Z	-4.884	-4.884	0	%100
45	M28	X	0	0	0	%100
46	M28	Z	-1.403	-1.403	0	%100
47	M29	X	0	0	0	%100
48	M29	Z	-4.884	-4.884	0	%100
49	M30	X	0	0	0	0
50	M30	Z	-1.883	-1.883	0	0
51	M31	X	0	0	0	%100
52	M31	Z	-1.403	-1.403	0	%100
53	M32	X	0	0	0	%100
54	M32	Z	-1.403	-1.403	0	%100
55	M33	X	0	0	0	%100
56	M33	Z	-5.654	-5.654	0	%100
57	M34	X	0	0	0	%100
58	M34	Z	-5.654	-5.654	0	%100
59	M35	X	0	0	0	%100
60	M35	Z	-6.425	-6.425	0	%100
61	M36	X	0	0	0	0
62	M36	Z	-1.883	-1.883	0	0
63	MP5A	X	0	0	0	%100
64	MP5A	Z	-8.419	-8.419	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	-8.419	-8.419	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,%]
67	MP1A	X	0	0	0	%100
68	MP1A	Z	-8.419	-8.419	0	%100
69	M52	X	0	0	0	%100
70	M52	Z	-.193	-.193	0	%100
71	M53	X	0	0	0	%100
72	M53	Z	-4.884	-4.884	0	%100
73	M54	X	0	0	0	%100
74	M54	Z	-4.884	-4.884	0	%100
75	MP4A	X	0	0	0	%100
76	MP4A	Z	-8.419	-8.419	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-8.419	-8.419	0	%100
79	M53A	X	0	0	0	1.2
80	M53A	Z	-1.883	-1.883	0	1.2
81	M54A	X	0	0	0	1.2
82	M54A	Z	-1.883	-1.883	0	1.2
83	M55	X	0	0	0	4.8
84	M55	Z	-1.883	-1.883	0	4.8
85	M56	X	0	0	0	4.8
86	M56	Z	-1.883	-1.883	0	4.8

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	M3	X	3.988	3.988	0	%100
2	M3	Z	-6.907	-6.907	0	%100
3	M5	X	.041	.041	0	%100
4	M5	Z	-.072	-.072	0	%100
5	M6	X	.617	.617	0	%100
6	M6	Z	-1.068	-1.068	0	%100
7	M7	X	3.157	3.157	0	%100
8	M7	Z	-5.468	-5.468	0	%100
9	M8	X	.041	.041	0	%100
10	M8	Z	-.072	-.072	0	%100
11	M9	X	.617	.617	0	%100
12	M9	Z	-1.068	-1.068	0	%100
13	M10	X	3.157	3.157	0	%100
14	M10	Z	-5.468	-5.468	0	%100
15	M11	X	.262	.262	0	%100
16	M11	Z	-.454	-.454	0	%100
17	M12	X	3.907	3.907	0	%100
18	M12	Z	-6.767	-6.767	0	%100
19	M13	X	.262	.262	0	%100
20	M13	Z	-.454	-.454	0	%100
21	M14	X	3.907	3.907	0	%100
22	M14	Z	-6.767	-6.767	0	%100
23	M15	X	1.855	1.855	0	%100
24	M15	Z	-3.214	-3.214	0	%100
25	M17	X	1.855	1.855	0	%100
26	M17	Z	-3.214	-3.214	0	%100
27	M19	X	2.035	2.035	0	0
28	M19	Z	-3.525	-3.525	0	0
29	M20	X	1.855	1.855	0	%100
30	M20	Z	-3.214	-3.214	0	%100
31	M21	X	1.855	1.855	0	%100
32	M21	Z	-3.214	-3.214	0	%100
33	M22	X	2.827	2.827	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,%]
34	M22	Z	-4.897	-4.897	0	%100
35	M23	X	2.827	2.827	0	%100
36	M23	Z	-4.897	-4.897	0	%100
37	M24	X	3.212	3.212	0	%100
38	M24	Z	-5.564	-5.564	0	%100
39	M25	X	2.035	2.035	0	0
40	M25	Z	-3.525	-3.525	0	0
41	M26	X	1.855	1.855	0	%100
42	M26	Z	-3.214	-3.214	0	%100
43	M27	X	2.022	2.022	0	%100
44	M27	Z	-3.502	-3.502	0	%100
45	M28	X	1.855	1.855	0	%100
46	M28	Z	-3.214	-3.214	0	%100
47	M29	X	2.022	2.022	0	%100
48	M29	Z	-3.502	-3.502	0	%100
49	M30	X	2.035	2.035	0	0
50	M30	Z	-3.525	-3.525	0	0
51	M31	X	1.855	1.855	0	%100
52	M31	Z	-3.214	-3.214	0	%100
53	M32	X	1.855	1.855	0	%100
54	M32	Z	-3.214	-3.214	0	%100
55	M33	X	2.827	2.827	0	%100
56	M33	Z	-4.897	-4.897	0	%100
57	M34	X	2.827	2.827	0	%100
58	M34	Z	-4.897	-4.897	0	%100
59	M35	X	3.212	3.212	0	%100
60	M35	Z	-5.564	-5.564	0	%100
61	M36	X	2.035	2.035	0	0
62	M36	Z	-3.525	-3.525	0	0
63	MP5A	X	4.209	4.209	0	%100
64	MP5A	Z	-7.291	-7.291	0	%100
65	MP3A	X	4.209	4.209	0	%100
66	MP3A	Z	-7.291	-7.291	0	%100
67	MP1A	X	4.209	4.209	0	%100
68	MP1A	Z	-7.291	-7.291	0	%100
69	M52	X	.555	.555	0	%100
70	M52	Z	-.961	-.961	0	%100
71	M53	X	2.872	2.872	0	%100
72	M53	Z	-4.974	-4.974	0	%100
73	M54	X	2.872	2.872	0	%100
74	M54	Z	-4.974	-4.974	0	%100
75	MP4A	X	4.209	4.209	0	%100
76	MP4A	Z	-7.291	-7.291	0	%100
77	MP2A	X	4.209	4.209	0	%100
78	MP2A	Z	-7.291	-7.291	0	%100
79	M53A	X	2.035	2.035	0	1.2
80	M53A	Z	-3.525	-3.525	0	1.2
81	M54A	X	2.035	2.035	0	1.2
82	M54A	Z	-3.525	-3.525	0	1.2
83	M55	X	2.035	2.035	0	4.8
84	M55	Z	-3.525	-3.525	0	4.8
85	M56	X	2.035	2.035	0	4.8
86	M56	Z	-3.525	-3.525	0	4.8

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,%]

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,%]
1	M3	X	2.302	2.302	0	%100
2	M3	Z	-1.329	-1.329	0	%100
3	M5	X	.083	.083	0	%100
4	M5	Z	-.048	-.048	0	%100
5	M6	X	1.079	1.079	0	%100
6	M6	Z	-.623	-.623	0	%100
7	M7	X	1.823	1.823	0	%100
8	M7	Z	-1.052	-1.052	0	%100
9	M8	X	.083	.083	0	%100
10	M8	Z	-.048	-.048	0	%100
11	M9	X	1.079	1.079	0	%100
12	M9	Z	-.623	-.623	0	%100
13	M10	X	1.823	1.823	0	%100
14	M10	Z	-1.052	-1.052	0	%100
15	M11	X	.524	.524	0	%100
16	M11	Z	-.302	-.302	0	%100
17	M12	X	6.836	6.836	0	%100
18	M12	Z	-3.947	-3.947	0	%100
19	M13	X	.524	.524	0	%100
20	M13	Z	-.302	-.302	0	%100
21	M14	X	6.836	6.836	0	%100
22	M14	Z	-3.947	-3.947	0	%100
23	M15	X	7.211	7.211	0	%100
24	M15	Z	-4.163	-4.163	0	%100
25	M17	X	7.211	7.211	0	%100
26	M17	Z	-4.163	-4.163	0	%100
27	M19	X	7.315	7.315	0	0
28	M19	Z	-4.223	-4.223	0	0
29	M20	X	7.211	7.211	0	%100
30	M20	Z	-4.163	-4.163	0	%100
31	M21	X	7.211	7.211	0	%100
32	M21	Z	-4.163	-4.163	0	%100
33	M22	X	4.897	4.897	0	%100
34	M22	Z	-2.827	-2.827	0	%100
35	M23	X	4.897	4.897	0	%100
36	M23	Z	-2.827	-2.827	0	%100
37	M24	X	5.564	5.564	0	%100
38	M24	Z	-3.212	-3.212	0	%100
39	M25	X	7.315	7.315	0	0
40	M25	Z	-4.223	-4.223	0	0
41	M26	X	7.211	7.211	0	%100
42	M26	Z	-4.163	-4.163	0	%100
43	M27	X	3.519	3.519	0	%100
44	M27	Z	-2.031	-2.031	0	%100
45	M28	X	7.211	7.211	0	%100
46	M28	Z	-4.163	-4.163	0	%100
47	M29	X	3.519	3.519	0	%100
48	M29	Z	-2.031	-2.031	0	%100
49	M30	X	7.315	7.315	0	0
50	M30	Z	-4.223	-4.223	0	0
51	M31	X	7.211	7.211	0	%100
52	M31	Z	-4.163	-4.163	0	%100
53	M32	X	7.211	7.211	0	%100
54	M32	Z	-4.163	-4.163	0	%100
55	M33	X	4.897	4.897	0	%100
56	M33	Z	-2.827	-2.827	0	%100
57	M34	X	4.897	4.897	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,%]
58	M34	Z	-2.827	-2.827	0	%100
59	M35	X	5.564	5.564	0	%100
60	M35	Z	-3.212	-3.212	0	%100
61	M36	X	7.315	7.315	0	0
62	M36	Z	-4.223	-4.223	0	0
63	MP5A	X	7.291	7.291	0	%100
64	MP5A	Z	-4.209	-4.209	0	%100
65	MP3A	X	7.291	7.291	0	%100
66	MP3A	Z	-4.209	-4.209	0	%100
67	MP1A	X	7.291	7.291	0	%100
68	MP1A	Z	-4.209	-4.209	0	%100
69	M52	X	4.439	4.439	0	%100
70	M52	Z	-2.563	-2.563	0	%100
71	M53	X	4.99	4.99	0	%100
72	M53	Z	-2.881	-2.881	0	%100
73	M54	X	4.99	4.99	0	%100
74	M54	Z	-2.881	-2.881	0	%100
75	MP4A	X	7.291	7.291	0	%100
76	MP4A	Z	-4.209	-4.209	0	%100
77	MP2A	X	7.291	7.291	0	%100
78	MP2A	Z	-4.209	-4.209	0	%100
79	M53A	X	7.315	7.315	0	1.2
80	M53A	Z	-4.223	-4.223	0	1.2
81	M54A	X	7.315	7.315	0	1.2
82	M54A	Z	-4.223	-4.223	0	1.2
83	M55	X	7.315	7.315	0	4.8
84	M55	Z	-4.223	-4.223	0	4.8
85	M56	X	7.315	7.315	0	4.8
86	M56	Z	-4.223	-4.223	0	4.8

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	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	.677	.677	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	.677	.677	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	.677	.677	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	.677	.677	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	4.289	4.289	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	4.289	4.289	0	%100
18	M12	Z	0	0	0	%100
19	M13	X	4.289	4.289	0	%100
20	M13	Z	0	0	0	%100
21	M14	X	4.289	4.289	0	%100
22	M14	Z	0	0	0	%100
23	M15	X	10.634	10.634	0	%100
24	M15	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
25	M17	X	10.634	10.634	0	%100
26	M17	Z	0	0	0	%100
27	M19	X	10.634	10.634	0	0
28	M19	Z	0	0	0	0
29	M20	X	10.634	10.634	0	%100
30	M20	Z	0	0	0	%100
31	M21	X	10.634	10.634	0	%100
32	M21	Z	0	0	0	%100
33	M22	X	5.654	5.654	0	%100
34	M22	Z	0	0	0	%100
35	M23	X	5.654	5.654	0	%100
36	M23	Z	0	0	0	%100
37	M24	X	6.425	6.425	0	%100
38	M24	Z	0	0	0	%100
39	M25	X	10.634	10.634	0	0
40	M25	Z	0	0	0	0
41	M26	X	10.634	10.634	0	%100
42	M26	Z	0	0	0	%100
43	M27	X	4.922	4.922	0	%100
44	M27	Z	0	0	0	%100
45	M28	X	10.634	10.634	0	%100
46	M28	Z	0	0	0	%100
47	M29	X	4.922	4.922	0	%100
48	M29	Z	0	0	0	%100
49	M30	X	10.634	10.634	0	0
50	M30	Z	0	0	0	0
51	M31	X	10.634	10.634	0	%100
52	M31	Z	0	0	0	%100
53	M32	X	10.634	10.634	0	%100
54	M32	Z	0	0	0	%100
55	M33	X	5.654	5.654	0	%100
56	M33	Z	0	0	0	%100
57	M34	X	5.654	5.654	0	%100
58	M34	Z	0	0	0	%100
59	M35	X	6.425	6.425	0	%100
60	M35	Z	0	0	0	%100
61	M36	X	10.634	10.634	0	0
62	M36	Z	0	0	0	0
63	MP5A	X	8.419	8.419	0	%100
64	MP5A	Z	0	0	0	%100
65	MP3A	X	8.419	8.419	0	%100
66	MP3A	Z	0	0	0	%100
67	MP1A	X	8.419	8.419	0	%100
68	MP1A	Z	0	0	0	%100
69	M52	X	8.225	8.225	0	%100
70	M52	Z	0	0	0	%100
71	M53	X	4.922	4.922	0	%100
72	M53	Z	0	0	0	%100
73	M54	X	4.922	4.922	0	%100
74	M54	Z	0	0	0	%100
75	MP4A	X	8.419	8.419	0	%100
76	MP4A	Z	0	0	0	%100
77	MP2A	X	8.419	8.419	0	%100
78	MP2A	Z	0	0	0	%100
79	M53A	X	10.634	10.634	0	1.2
80	M53A	Z	0	0	0	1.2
81	M54A	X	10.634	10.634	0	1.2

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,%]
82	M54A	Z	0	0	0	1.2
83	M55	X	10.634	10.634	0	4.8
84	M55	Z	0	0	0	4.8
85	M56	X	10.634	10.634	0	4.8
86	M56	Z	0	0	0	4.8

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	M3	X	2.302	2.302	0	%100
2	M3	Z	1.329	1.329	0	%100
3	M5	X	1.079	1.079	0	%100
4	M5	Z	.623	.623	0	%100
5	M6	X	.083	.083	0	%100
6	M6	Z	.048	.048	0	%100
7	M7	X	1.823	1.823	0	%100
8	M7	Z	1.052	1.052	0	%100
9	M8	X	1.079	1.079	0	%100
10	M8	Z	.623	.623	0	%100
11	M9	X	.083	.083	0	%100
12	M9	Z	.048	.048	0	%100
13	M10	X	1.823	1.823	0	%100
14	M10	Z	1.052	1.052	0	%100
15	M11	X	6.836	6.836	0	%100
16	M11	Z	3.947	3.947	0	%100
17	M12	X	.524	.524	0	%100
18	M12	Z	.302	.302	0	%100
19	M13	X	6.836	6.836	0	%100
20	M13	Z	3.947	3.947	0	%100
21	M14	X	.524	.524	0	%100
22	M14	Z	.302	.302	0	%100
23	M15	X	7.211	7.211	0	%100
24	M15	Z	4.163	4.163	0	%100
25	M17	X	7.211	7.211	0	%100
26	M17	Z	4.163	4.163	0	%100
27	M19	X	7.315	7.315	0	0
28	M19	Z	4.223	4.223	0	0
29	M20	X	7.211	7.211	0	%100
30	M20	Z	4.163	4.163	0	%100
31	M21	X	7.211	7.211	0	%100
32	M21	Z	4.163	4.163	0	%100
33	M22	X	4.897	4.897	0	%100
34	M22	Z	2.827	2.827	0	%100
35	M23	X	4.897	4.897	0	%100
36	M23	Z	2.827	2.827	0	%100
37	M24	X	5.564	5.564	0	%100
38	M24	Z	3.212	3.212	0	%100
39	M25	X	7.315	7.315	0	0
40	M25	Z	4.223	4.223	0	0
41	M26	X	7.211	7.211	0	%100
42	M26	Z	4.163	4.163	0	%100
43	M27	X	4.99	4.99	0	%100
44	M27	Z	2.881	2.881	0	%100
45	M28	X	7.211	7.211	0	%100
46	M28	Z	4.163	4.163	0	%100
47	M29	X	4.99	4.99	0	%100
48	M29	Z	2.881	2.881	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,%]
49	M30	X	7.315	7.315	0	0
50	M30	Z	4.223	4.223	0	0
51	M31	X	7.211	7.211	0	%100
52	M31	Z	4.163	4.163	0	%100
53	M32	X	7.211	7.211	0	%100
54	M32	Z	4.163	4.163	0	%100
55	M33	X	4.897	4.897	0	%100
56	M33	Z	2.827	2.827	0	%100
57	M34	X	4.897	4.897	0	%100
58	M34	Z	2.827	2.827	0	%100
59	M35	X	5.564	5.564	0	%100
60	M35	Z	3.212	3.212	0	%100
61	M36	X	7.315	7.315	0	0
62	M36	Z	4.223	4.223	0	0
63	MP5A	X	7.291	7.291	0	%100
64	MP5A	Z	4.209	4.209	0	%100
65	MP3A	X	7.291	7.291	0	%100
66	MP3A	Z	4.209	4.209	0	%100
67	MP1A	X	7.291	7.291	0	%100
68	MP1A	Z	4.209	4.209	0	%100
69	M52	X	6.33	6.33	0	%100
70	M52	Z	3.655	3.655	0	%100
71	M53	X	3.519	3.519	0	%100
72	M53	Z	2.031	2.031	0	%100
73	M54	X	3.519	3.519	0	%100
74	M54	Z	2.031	2.031	0	%100
75	MP4A	X	7.291	7.291	0	%100
76	MP4A	Z	4.209	4.209	0	%100
77	MP2A	X	7.291	7.291	0	%100
78	MP2A	Z	4.209	4.209	0	%100
79	M53A	X	7.315	7.315	0	1.2
80	M53A	Z	4.223	4.223	0	1.2
81	M54A	X	7.315	7.315	0	1.2
82	M54A	Z	4.223	4.223	0	1.2
83	M55	X	7.315	7.315	0	4.8
84	M55	Z	4.223	4.223	0	4.8
85	M56	X	7.315	7.315	0	4.8
86	M56	Z	4.223	4.223	0	4.8

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	M3	X	3.988	3.988	0	%100
2	M3	Z	6.907	6.907	0	%100
3	M5	X	.617	.617	0	%100
4	M5	Z	1.068	1.068	0	%100
5	M6	X	.041	.041	0	%100
6	M6	Z	.072	.072	0	%100
7	M7	X	3.157	3.157	0	%100
8	M7	Z	5.468	5.468	0	%100
9	M8	X	.617	.617	0	%100
10	M8	Z	1.068	1.068	0	%100
11	M9	X	.041	.041	0	%100
12	M9	Z	.072	.072	0	%100
13	M10	X	3.157	3.157	0	%100
14	M10	Z	5.468	5.468	0	%100
15	M11	X	3.907	3.907	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,%]
16	M11	Z	6.767	6.767	0	%100
17	M12	X	.262	.262	0	%100
18	M12	Z	.454	.454	0	%100
19	M13	X	3.907	3.907	0	%100
20	M13	Z	6.767	6.767	0	%100
21	M14	X	.262	.262	0	%100
22	M14	Z	.454	.454	0	%100
23	M15	X	1.855	1.855	0	%100
24	M15	Z	3.214	3.214	0	%100
25	M17	X	1.855	1.855	0	%100
26	M17	Z	3.214	3.214	0	%100
27	M19	X	2.035	2.035	0	0
28	M19	Z	3.525	3.525	0	0
29	M20	X	1.855	1.855	0	%100
30	M20	Z	3.214	3.214	0	%100
31	M21	X	1.855	1.855	0	%100
32	M21	Z	3.214	3.214	0	%100
33	M22	X	2.827	2.827	0	%100
34	M22	Z	4.897	4.897	0	%100
35	M23	X	2.827	2.827	0	%100
36	M23	Z	4.897	4.897	0	%100
37	M24	X	3.212	3.212	0	%100
38	M24	Z	5.564	5.564	0	%100
39	M25	X	2.035	2.035	0	0
40	M25	Z	3.525	3.525	0	0
41	M26	X	1.855	1.855	0	%100
42	M26	Z	3.214	3.214	0	%100
43	M27	X	2.872	2.872	0	%100
44	M27	Z	4.974	4.974	0	%100
45	M28	X	1.855	1.855	0	%100
46	M28	Z	3.214	3.214	0	%100
47	M29	X	2.872	2.872	0	%100
48	M29	Z	4.974	4.974	0	%100
49	M30	X	2.035	2.035	0	0
50	M30	Z	3.525	3.525	0	0
51	M31	X	1.855	1.855	0	%100
52	M31	Z	3.214	3.214	0	%100
53	M32	X	1.855	1.855	0	%100
54	M32	Z	3.214	3.214	0	%100
55	M33	X	2.827	2.827	0	%100
56	M33	Z	4.897	4.897	0	%100
57	M34	X	2.827	2.827	0	%100
58	M34	Z	4.897	4.897	0	%100
59	M35	X	3.212	3.212	0	%100
60	M35	Z	5.564	5.564	0	%100
61	M36	X	2.035	2.035	0	0
62	M36	Z	3.525	3.525	0	0
63	MP5A	X	4.209	4.209	0	%100
64	MP5A	Z	7.291	7.291	0	%100
65	MP3A	X	4.209	4.209	0	%100
66	MP3A	Z	7.291	7.291	0	%100
67	MP1A	X	4.209	4.209	0	%100
68	MP1A	Z	7.291	7.291	0	%100
69	M52	X	1.647	1.647	0	%100
70	M52	Z	2.852	2.852	0	%100
71	M53	X	2.022	2.022	0	%100
72	M53	Z	3.502	3.502	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,%]
73	M54	X	2.022	2.022	0	%100
74	M54	Z	3.502	3.502	0	%100
75	MP4A	X	4.209	4.209	0	%100
76	MP4A	Z	7.291	7.291	0	%100
77	MP2A	X	4.209	4.209	0	%100
78	MP2A	Z	7.291	7.291	0	%100
79	M53A	X	2.035	2.035	0	1.2
80	M53A	Z	3.525	3.525	0	1.2
81	M54A	X	2.035	2.035	0	1.2
82	M54A	Z	3.525	3.525	0	1.2
83	M55	X	2.035	2.035	0	4.8
84	M55	Z	3.525	3.525	0	4.8
85	M56	X	2.035	2.035	0	4.8
86	M56	Z	3.525	3.525	0	4.8

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	M3	X	0	0	0	%100
2	M3	Z	10.634	10.634	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	.652	.652	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	.652	.652	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	8.419	8.419	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	.652	.652	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	.652	.652	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	8.419	8.419	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	4.129	4.129	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	4.129	4.129	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	4.129	4.129	0	%100
21	M14	X	0	0	0	%100
22	M14	Z	4.129	4.129	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	1.403	1.403	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	1.403	1.403	0	%100
27	M19	X	0	0	0	0
28	M19	Z	1.883	1.883	0	0
29	M20	X	0	0	0	%100
30	M20	Z	1.403	1.403	0	%100
31	M21	X	0	0	0	%100
32	M21	Z	1.403	1.403	0	%100
33	M22	X	0	0	0	%100
34	M22	Z	5.654	5.654	0	%100
35	M23	X	0	0	0	%100
36	M23	Z	5.654	5.654	0	%100
37	M24	X	0	0	0	%100
38	M24	Z	6.425	6.425	0	%100
39	M25	X	0	0	0	0

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,%]
40	M25	Z	1.883	1.883	0	0
41	M26	X	0	0	0	%100
42	M26	Z	1.403	1.403	0	%100
43	M27	X	0	0	0	%100
44	M27	Z	4.884	4.884	0	%100
45	M28	X	0	0	0	%100
46	M28	Z	1.403	1.403	0	%100
47	M29	X	0	0	0	%100
48	M29	Z	4.884	4.884	0	%100
49	M30	X	0	0	0	0
50	M30	Z	1.883	1.883	0	0
51	M31	X	0	0	0	%100
52	M31	Z	1.403	1.403	0	%100
53	M32	X	0	0	0	%100
54	M32	Z	1.403	1.403	0	%100
55	M33	X	0	0	0	%100
56	M33	Z	5.654	5.654	0	%100
57	M34	X	0	0	0	%100
58	M34	Z	5.654	5.654	0	%100
59	M35	X	0	0	0	%100
60	M35	Z	6.425	6.425	0	%100
61	M36	X	0	0	0	0
62	M36	Z	1.883	1.883	0	0
63	MP5A	X	0	0	0	%100
64	MP5A	Z	8.419	8.419	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	8.419	8.419	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	8.419	8.419	0	%100
69	M52	X	0	0	0	%100
70	M52	Z	.193	.193	0	%100
71	M53	X	0	0	0	%100
72	M53	Z	4.884	4.884	0	%100
73	M54	X	0	0	0	%100
74	M54	Z	4.884	4.884	0	%100
75	MP4A	X	0	0	0	%100
76	MP4A	Z	8.419	8.419	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	8.419	8.419	0	%100
79	M53A	X	0	0	0	1.2
80	M53A	Z	1.883	1.883	0	1.2
81	M54A	X	0	0	0	1.2
82	M54A	Z	1.883	1.883	0	1.2
83	M55	X	0	0	0	4.8
84	M55	Z	1.883	1.883	0	4.8
85	M56	X	0	0	0	4.8
86	M56	Z	1.883	1.883	0	4.8

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	M3	X	-3.988	-3.988	0	%100
2	M3	Z	6.907	6.907	0	%100
3	M5	X	-.041	-.041	0	%100
4	M5	Z	.072	.072	0	%100
5	M6	X	-.617	-.617	0	%100
6	M6	Z	1.068	1.068	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,%]
7	M7	X	-3.157	-3.157	0	%100
8	M7	Z	5.468	5.468	0	%100
9	M8	X	-.041	-.041	0	%100
10	M8	Z	.072	.072	0	%100
11	M9	X	-.617	-.617	0	%100
12	M9	Z	1.068	1.068	0	%100
13	M10	X	-3.157	-3.157	0	%100
14	M10	Z	5.468	5.468	0	%100
15	M11	X	-.262	-.262	0	%100
16	M11	Z	.454	.454	0	%100
17	M12	X	-3.907	-3.907	0	%100
18	M12	Z	6.767	6.767	0	%100
19	M13	X	-.262	-.262	0	%100
20	M13	Z	.454	.454	0	%100
21	M14	X	-3.907	-3.907	0	%100
22	M14	Z	6.767	6.767	0	%100
23	M15	X	-1.855	-1.855	0	%100
24	M15	Z	3.214	3.214	0	%100
25	M17	X	-1.855	-1.855	0	%100
26	M17	Z	3.214	3.214	0	%100
27	M19	X	-2.035	-2.035	0	0
28	M19	Z	3.525	3.525	0	0
29	M20	X	-1.855	-1.855	0	%100
30	M20	Z	3.214	3.214	0	%100
31	M21	X	-1.855	-1.855	0	%100
32	M21	Z	3.214	3.214	0	%100
33	M22	X	-2.827	-2.827	0	%100
34	M22	Z	4.897	4.897	0	%100
35	M23	X	-2.827	-2.827	0	%100
36	M23	Z	4.897	4.897	0	%100
37	M24	X	-3.212	-3.212	0	%100
38	M24	Z	5.564	5.564	0	%100
39	M25	X	-2.035	-2.035	0	0
40	M25	Z	3.525	3.525	0	0
41	M26	X	-1.855	-1.855	0	%100
42	M26	Z	3.214	3.214	0	%100
43	M27	X	-2.022	-2.022	0	%100
44	M27	Z	3.502	3.502	0	%100
45	M28	X	-1.855	-1.855	0	%100
46	M28	Z	3.214	3.214	0	%100
47	M29	X	-2.022	-2.022	0	%100
48	M29	Z	3.502	3.502	0	%100
49	M30	X	-2.035	-2.035	0	0
50	M30	Z	3.525	3.525	0	0
51	M31	X	-1.855	-1.855	0	%100
52	M31	Z	3.214	3.214	0	%100
53	M32	X	-1.855	-1.855	0	%100
54	M32	Z	3.214	3.214	0	%100
55	M33	X	-2.827	-2.827	0	%100
56	M33	Z	4.897	4.897	0	%100
57	M34	X	-2.827	-2.827	0	%100
58	M34	Z	4.897	4.897	0	%100
59	M35	X	-3.212	-3.212	0	%100
60	M35	Z	5.564	5.564	0	%100
61	M36	X	-2.035	-2.035	0	0
62	M36	Z	3.525	3.525	0	0
63	MP5A	X	-4.209	-4.209	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,%]
64	MP5A	Z	7.291	7.291	0	%100
65	MP3A	X	-4.209	-4.209	0	%100
66	MP3A	Z	7.291	7.291	0	%100
67	MP1A	X	-4.209	-4.209	0	%100
68	MP1A	Z	7.291	7.291	0	%100
69	M52	X	-.555	-.555	0	%100
70	M52	Z	.961	.961	0	%100
71	M53	X	-2.872	-2.872	0	%100
72	M53	Z	4.974	4.974	0	%100
73	M54	X	-2.872	-2.872	0	%100
74	M54	Z	4.974	4.974	0	%100
75	MP4A	X	-4.209	-4.209	0	%100
76	MP4A	Z	7.291	7.291	0	%100
77	MP2A	X	-4.209	-4.209	0	%100
78	MP2A	Z	7.291	7.291	0	%100
79	M53A	X	-2.035	-2.035	0	1.2
80	M53A	Z	3.525	3.525	0	1.2
81	M54A	X	-2.035	-2.035	0	1.2
82	M54A	Z	3.525	3.525	0	1.2
83	M55	X	-2.035	-2.035	0	4.8
84	M55	Z	3.525	3.525	0	4.8
85	M56	X	-2.035	-2.035	0	4.8
86	M56	Z	3.525	3.525	0	4.8

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	M3	X	-2.302	-2.302	0	%100
2	M3	Z	1.329	1.329	0	%100
3	M5	X	-.083	-.083	0	%100
4	M5	Z	.048	.048	0	%100
5	M6	X	-1.079	-1.079	0	%100
6	M6	Z	.623	.623	0	%100
7	M7	X	-1.823	-1.823	0	%100
8	M7	Z	1.052	1.052	0	%100
9	M8	X	-.083	-.083	0	%100
10	M8	Z	.048	.048	0	%100
11	M9	X	-1.079	-1.079	0	%100
12	M9	Z	.623	.623	0	%100
13	M10	X	-1.823	-1.823	0	%100
14	M10	Z	1.052	1.052	0	%100
15	M11	X	-.524	-.524	0	%100
16	M11	Z	.302	.302	0	%100
17	M12	X	-6.836	-6.836	0	%100
18	M12	Z	3.947	3.947	0	%100
19	M13	X	-.524	-.524	0	%100
20	M13	Z	.302	.302	0	%100
21	M14	X	-6.836	-6.836	0	%100
22	M14	Z	3.947	3.947	0	%100
23	M15	X	-7.211	-7.211	0	%100
24	M15	Z	4.163	4.163	0	%100
25	M17	X	-7.211	-7.211	0	%100
26	M17	Z	4.163	4.163	0	%100
27	M19	X	-7.315	-7.315	0	0
28	M19	Z	4.223	4.223	0	0
29	M20	X	-7.211	-7.211	0	%100
30	M20	Z	4.163	4.163	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,%]
31	M21	X	-7.211	-7.211	0	%100
32	M21	Z	4.163	4.163	0	%100
33	M22	X	-4.897	-4.897	0	%100
34	M22	Z	2.827	2.827	0	%100
35	M23	X	-4.897	-4.897	0	%100
36	M23	Z	2.827	2.827	0	%100
37	M24	X	-5.564	-5.564	0	%100
38	M24	Z	3.212	3.212	0	%100
39	M25	X	-7.315	-7.315	0	0
40	M25	Z	4.223	4.223	0	0
41	M26	X	-7.211	-7.211	0	%100
42	M26	Z	4.163	4.163	0	%100
43	M27	X	-3.519	-3.519	0	%100
44	M27	Z	2.031	2.031	0	%100
45	M28	X	-7.211	-7.211	0	%100
46	M28	Z	4.163	4.163	0	%100
47	M29	X	-3.519	-3.519	0	%100
48	M29	Z	2.031	2.031	0	%100
49	M30	X	-7.315	-7.315	0	0
50	M30	Z	4.223	4.223	0	0
51	M31	X	-7.211	-7.211	0	%100
52	M31	Z	4.163	4.163	0	%100
53	M32	X	-7.211	-7.211	0	%100
54	M32	Z	4.163	4.163	0	%100
55	M33	X	-4.897	-4.897	0	%100
56	M33	Z	2.827	2.827	0	%100
57	M34	X	-4.897	-4.897	0	%100
58	M34	Z	2.827	2.827	0	%100
59	M35	X	-5.564	-5.564	0	%100
60	M35	Z	3.212	3.212	0	%100
61	M36	X	-7.315	-7.315	0	0
62	M36	Z	4.223	4.223	0	0
63	MP5A	X	-7.291	-7.291	0	%100
64	MP5A	Z	4.209	4.209	0	%100
65	MP3A	X	-7.291	-7.291	0	%100
66	MP3A	Z	4.209	4.209	0	%100
67	MP1A	X	-7.291	-7.291	0	%100
68	MP1A	Z	4.209	4.209	0	%100
69	M52	X	-4.439	-4.439	0	%100
70	M52	Z	2.563	2.563	0	%100
71	M53	X	-4.99	-4.99	0	%100
72	M53	Z	2.881	2.881	0	%100
73	M54	X	-4.99	-4.99	0	%100
74	M54	Z	2.881	2.881	0	%100
75	MP4A	X	-7.291	-7.291	0	%100
76	MP4A	Z	4.209	4.209	0	%100
77	MP2A	X	-7.291	-7.291	0	%100
78	MP2A	Z	4.209	4.209	0	%100
79	M53A	X	-7.315	-7.315	0	1.2
80	M53A	Z	4.223	4.223	0	1.2
81	M54A	X	-7.315	-7.315	0	1.2
82	M54A	Z	4.223	4.223	0	1.2
83	M55	X	-7.315	-7.315	0	4.8
84	M55	Z	4.223	4.223	0	4.8
85	M56	X	-7.315	-7.315	0	4.8
86	M56	Z	4.223	4.223	0	4.8

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	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	-.677	-.677	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	-.677	-.677	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	-.677	-.677	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	-.677	-.677	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	-4.289	-4.289	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	-4.289	-4.289	0	%100
18	M12	Z	0	0	0	%100
19	M13	X	-4.289	-4.289	0	%100
20	M13	Z	0	0	0	%100
21	M14	X	-4.289	-4.289	0	%100
22	M14	Z	0	0	0	%100
23	M15	X	-10.634	-10.634	0	%100
24	M15	Z	0	0	0	%100
25	M17	X	-10.634	-10.634	0	%100
26	M17	Z	0	0	0	%100
27	M19	X	-10.634	-10.634	0	0
28	M19	Z	0	0	0	0
29	M20	X	-10.634	-10.634	0	%100
30	M20	Z	0	0	0	%100
31	M21	X	-10.634	-10.634	0	%100
32	M21	Z	0	0	0	%100
33	M22	X	-5.654	-5.654	0	%100
34	M22	Z	0	0	0	%100
35	M23	X	-5.654	-5.654	0	%100
36	M23	Z	0	0	0	%100
37	M24	X	-6.425	-6.425	0	%100
38	M24	Z	0	0	0	%100
39	M25	X	-10.634	-10.634	0	0
40	M25	Z	0	0	0	0
41	M26	X	-10.634	-10.634	0	%100
42	M26	Z	0	0	0	%100
43	M27	X	-4.922	-4.922	0	%100
44	M27	Z	0	0	0	%100
45	M28	X	-10.634	-10.634	0	%100
46	M28	Z	0	0	0	%100
47	M29	X	-4.922	-4.922	0	%100
48	M29	Z	0	0	0	%100
49	M30	X	-10.634	-10.634	0	0
50	M30	Z	0	0	0	0
51	M31	X	-10.634	-10.634	0	%100
52	M31	Z	0	0	0	%100
53	M32	X	-10.634	-10.634	0	%100
54	M32	Z	0	0	0	%100
55	M33	X	-5.654	-5.654	0	%100
56	M33	Z	0	0	0	%100
57	M34	X	-5.654	-5.654	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,%]
58	M34	Z	0	0	0	%100
59	M35	X	-6.425	-6.425	0	%100
60	M35	Z	0	0	0	%100
61	M36	X	-10.634	-10.634	0	0
62	M36	Z	0	0	0	0
63	MP5A	X	-8.419	-8.419	0	%100
64	MP5A	Z	0	0	0	%100
65	MP3A	X	-8.419	-8.419	0	%100
66	MP3A	Z	0	0	0	%100
67	MP1A	X	-8.419	-8.419	0	%100
68	MP1A	Z	0	0	0	%100
69	M52	X	-8.225	-8.225	0	%100
70	M52	Z	0	0	0	%100
71	M53	X	-4.922	-4.922	0	%100
72	M53	Z	0	0	0	%100
73	M54	X	-4.922	-4.922	0	%100
74	M54	Z	0	0	0	%100
75	MP4A	X	-8.419	-8.419	0	%100
76	MP4A	Z	0	0	0	%100
77	MP2A	X	-8.419	-8.419	0	%100
78	MP2A	Z	0	0	0	%100
79	M53A	X	-10.634	-10.634	0	1.2
80	M53A	Z	0	0	0	1.2
81	M54A	X	-10.634	-10.634	0	1.2
82	M54A	Z	0	0	0	1.2
83	M55	X	-10.634	-10.634	0	4.8
84	M55	Z	0	0	0	4.8
85	M56	X	-10.634	-10.634	0	4.8
86	M56	Z	0	0	0	4.8

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	M3	X	-2.302	-2.302	0	%100
2	M3	Z	-1.329	-1.329	0	%100
3	M5	X	-1.079	-1.079	0	%100
4	M5	Z	-.623	-.623	0	%100
5	M6	X	-.083	-.083	0	%100
6	M6	Z	-.048	-.048	0	%100
7	M7	X	-1.823	-1.823	0	%100
8	M7	Z	-1.052	-1.052	0	%100
9	M8	X	-1.079	-1.079	0	%100
10	M8	Z	-.623	-.623	0	%100
11	M9	X	-.083	-.083	0	%100
12	M9	Z	-.048	-.048	0	%100
13	M10	X	-1.823	-1.823	0	%100
14	M10	Z	-1.052	-1.052	0	%100
15	M11	X	-6.836	-6.836	0	%100
16	M11	Z	-3.947	-3.947	0	%100
17	M12	X	-.524	-.524	0	%100
18	M12	Z	-.302	-.302	0	%100
19	M13	X	-6.836	-6.836	0	%100
20	M13	Z	-3.947	-3.947	0	%100
21	M14	X	-.524	-.524	0	%100
22	M14	Z	-.302	-.302	0	%100
23	M15	X	-7.211	-7.211	0	%100
24	M15	Z	-4.163	-4.163	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,%]
25	M17	X	-7.211	-7.211	0	%100
26	M17	Z	-4.163	-4.163	0	%100
27	M19	X	-7.315	-7.315	0	0
28	M19	Z	-4.223	-4.223	0	0
29	M20	X	-7.211	-7.211	0	%100
30	M20	Z	-4.163	-4.163	0	%100
31	M21	X	-7.211	-7.211	0	%100
32	M21	Z	-4.163	-4.163	0	%100
33	M22	X	-4.897	-4.897	0	%100
34	M22	Z	-2.827	-2.827	0	%100
35	M23	X	-4.897	-4.897	0	%100
36	M23	Z	-2.827	-2.827	0	%100
37	M24	X	-5.564	-5.564	0	%100
38	M24	Z	-3.212	-3.212	0	%100
39	M25	X	-7.315	-7.315	0	0
40	M25	Z	-4.223	-4.223	0	0
41	M26	X	-7.211	-7.211	0	%100
42	M26	Z	-4.163	-4.163	0	%100
43	M27	X	-4.99	-4.99	0	%100
44	M27	Z	-2.881	-2.881	0	%100
45	M28	X	-7.211	-7.211	0	%100
46	M28	Z	-4.163	-4.163	0	%100
47	M29	X	-4.99	-4.99	0	%100
48	M29	Z	-2.881	-2.881	0	%100
49	M30	X	-7.315	-7.315	0	0
50	M30	Z	-4.223	-4.223	0	0
51	M31	X	-7.211	-7.211	0	%100
52	M31	Z	-4.163	-4.163	0	%100
53	M32	X	-7.211	-7.211	0	%100
54	M32	Z	-4.163	-4.163	0	%100
55	M33	X	-4.897	-4.897	0	%100
56	M33	Z	-2.827	-2.827	0	%100
57	M34	X	-4.897	-4.897	0	%100
58	M34	Z	-2.827	-2.827	0	%100
59	M35	X	-5.564	-5.564	0	%100
60	M35	Z	-3.212	-3.212	0	%100
61	M36	X	-7.315	-7.315	0	0
62	M36	Z	-4.223	-4.223	0	0
63	MP5A	X	-7.291	-7.291	0	%100
64	MP5A	Z	-4.209	-4.209	0	%100
65	MP3A	X	-7.291	-7.291	0	%100
66	MP3A	Z	-4.209	-4.209	0	%100
67	MP1A	X	-7.291	-7.291	0	%100
68	MP1A	Z	-4.209	-4.209	0	%100
69	M52	X	-6.33	-6.33	0	%100
70	M52	Z	-3.655	-3.655	0	%100
71	M53	X	-3.519	-3.519	0	%100
72	M53	Z	-2.031	-2.031	0	%100
73	M54	X	-3.519	-3.519	0	%100
74	M54	Z	-2.031	-2.031	0	%100
75	MP4A	X	-7.291	-7.291	0	%100
76	MP4A	Z	-4.209	-4.209	0	%100
77	MP2A	X	-7.291	-7.291	0	%100
78	MP2A	Z	-4.209	-4.209	0	%100
79	M53A	X	-7.315	-7.315	0	1.2
80	M53A	Z	-4.223	-4.223	0	1.2
81	M54A	X	-7.315	-7.315	0	1.2

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,%]
82	M54A	Z	-4.223	-4.223	0	1.2
83	M55	X	-7.315	-7.315	0	4.8
84	M55	Z	-4.223	-4.223	0	4.8
85	M56	X	-7.315	-7.315	0	4.8
86	M56	Z	-4.223	-4.223	0	4.8

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	M3	X	-3.988	-3.988	0	%100
2	M3	Z	-6.907	-6.907	0	%100
3	M5	X	-.617	-.617	0	%100
4	M5	Z	-1.068	-1.068	0	%100
5	M6	X	-.041	-.041	0	%100
6	M6	Z	-.072	-.072	0	%100
7	M7	X	-3.157	-3.157	0	%100
8	M7	Z	-5.468	-5.468	0	%100
9	M8	X	-.617	-.617	0	%100
10	M8	Z	-1.068	-1.068	0	%100
11	M9	X	-.041	-.041	0	%100
12	M9	Z	-.072	-.072	0	%100
13	M10	X	-3.157	-3.157	0	%100
14	M10	Z	-5.468	-5.468	0	%100
15	M11	X	-3.907	-3.907	0	%100
16	M11	Z	-6.767	-6.767	0	%100
17	M12	X	-.262	-.262	0	%100
18	M12	Z	-.454	-.454	0	%100
19	M13	X	-3.907	-3.907	0	%100
20	M13	Z	-6.767	-6.767	0	%100
21	M14	X	-.262	-.262	0	%100
22	M14	Z	-.454	-.454	0	%100
23	M15	X	-1.855	-1.855	0	%100
24	M15	Z	-3.214	-3.214	0	%100
25	M17	X	-1.855	-1.855	0	%100
26	M17	Z	-3.214	-3.214	0	%100
27	M19	X	-2.035	-2.035	0	0
28	M19	Z	-3.525	-3.525	0	0
29	M20	X	-1.855	-1.855	0	%100
30	M20	Z	-3.214	-3.214	0	%100
31	M21	X	-1.855	-1.855	0	%100
32	M21	Z	-3.214	-3.214	0	%100
33	M22	X	-2.827	-2.827	0	%100
34	M22	Z	-4.897	-4.897	0	%100
35	M23	X	-2.827	-2.827	0	%100
36	M23	Z	-4.897	-4.897	0	%100
37	M24	X	-3.212	-3.212	0	%100
38	M24	Z	-5.564	-5.564	0	%100
39	M25	X	-2.035	-2.035	0	0
40	M25	Z	-3.525	-3.525	0	0
41	M26	X	-1.855	-1.855	0	%100
42	M26	Z	-3.214	-3.214	0	%100
43	M27	X	-2.872	-2.872	0	%100
44	M27	Z	-4.974	-4.974	0	%100
45	M28	X	-1.855	-1.855	0	%100
46	M28	Z	-3.214	-3.214	0	%100
47	M29	X	-2.872	-2.872	0	%100
48	M29	Z	-4.974	-4.974	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,%]
49	M30	X	-2.035	-2.035	0	0
50	M30	Z	-3.525	-3.525	0	0
51	M31	X	-1.855	-1.855	0	%100
52	M31	Z	-3.214	-3.214	0	%100
53	M32	X	-1.855	-1.855	0	%100
54	M32	Z	-3.214	-3.214	0	%100
55	M33	X	-2.827	-2.827	0	%100
56	M33	Z	-4.897	-4.897	0	%100
57	M34	X	-2.827	-2.827	0	%100
58	M34	Z	-4.897	-4.897	0	%100
59	M35	X	-3.212	-3.212	0	%100
60	M35	Z	-5.564	-5.564	0	%100
61	M36	X	-2.035	-2.035	0	0
62	M36	Z	-3.525	-3.525	0	0
63	MP5A	X	-4.209	-4.209	0	%100
64	MP5A	Z	-7.291	-7.291	0	%100
65	MP3A	X	-4.209	-4.209	0	%100
66	MP3A	Z	-7.291	-7.291	0	%100
67	MP1A	X	-4.209	-4.209	0	%100
68	MP1A	Z	-7.291	-7.291	0	%100
69	M52	X	-1.647	-1.647	0	%100
70	M52	Z	-2.852	-2.852	0	%100
71	M53	X	-2.022	-2.022	0	%100
72	M53	Z	-3.502	-3.502	0	%100
73	M54	X	-2.022	-2.022	0	%100
74	M54	Z	-3.502	-3.502	0	%100
75	MP4A	X	-4.209	-4.209	0	%100
76	MP4A	Z	-7.291	-7.291	0	%100
77	MP2A	X	-4.209	-4.209	0	%100
78	MP2A	Z	-7.291	-7.291	0	%100
79	M53A	X	-2.035	-2.035	0	1.2
80	M53A	Z	-3.525	-3.525	0	1.2
81	M54A	X	-2.035	-2.035	0	1.2
82	M54A	Z	-3.525	-3.525	0	1.2
83	M55	X	-2.035	-2.035	0	4.8
84	M55	Z	-3.525	-3.525	0	4.8
85	M56	X	-2.035	-2.035	0	4.8
86	M56	Z	-3.525	-3.525	0	4.8

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	M3	X	0	0	0	%100
2	M3	Z	-3.122	-3.122	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	-.739	-.739	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	-.739	-.739	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-3.649	-3.649	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	-.739	-.739	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-.739	-.739	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-3.649	-3.649	0	%100
15	M11	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,%]
16	M11	Z	-1.691	-1.691	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	-1.691	-1.691	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	-1.691	-1.691	0	%100
21	M14	X	0	0	0	%100
22	M14	Z	-1.691	-1.691	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	-1.52	-1.52	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-1.52	-1.52	0	%100
27	M19	X	0	0	0	0
28	M19	Z	-1.603	-1.603	0	0
29	M20	X	0	0	0	%100
30	M20	Z	-1.52	-1.52	0	%100
31	M21	X	0	0	0	%100
32	M21	Z	-1.52	-1.52	0	%100
33	M22	X	0	0	0	%100
34	M22	Z	-2.589	-2.589	0	%100
35	M23	X	0	0	0	%100
36	M23	Z	-2.589	-2.589	0	%100
37	M24	X	0	0	0	%100
38	M24	Z	-2.621	-2.621	0	%100
39	M25	X	0	0	0	0
40	M25	Z	-1.603	-1.603	0	0
41	M26	X	0	0	0	%100
42	M26	Z	-1.52	-1.52	0	%100
43	M27	X	0	0	0	%100
44	M27	Z	-2.298	-2.298	0	%100
45	M28	X	0	0	0	%100
46	M28	Z	-1.52	-1.52	0	%100
47	M29	X	0	0	0	%100
48	M29	Z	-2.298	-2.298	0	%100
49	M30	X	0	0	0	0
50	M30	Z	-1.603	-1.603	0	0
51	M31	X	0	0	0	%100
52	M31	Z	-1.52	-1.52	0	%100
53	M32	X	0	0	0	%100
54	M32	Z	-1.52	-1.52	0	%100
55	M33	X	0	0	0	%100
56	M33	Z	-2.589	-2.589	0	%100
57	M34	X	0	0	0	%100
58	M34	Z	-2.589	-2.589	0	%100
59	M35	X	0	0	0	%100
60	M35	Z	-2.621	-2.621	0	%100
61	M36	X	0	0	0	0
62	M36	Z	-1.603	-1.603	0	0
63	MP5A	X	0	0	0	%100
64	MP5A	Z	-3.457	-3.457	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	-3.457	-3.457	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	-3.457	-3.457	0	%100
69	M52	X	0	0	0	%100
70	M52	Z	-.084	-.084	0	%100
71	M53	X	0	0	0	%100
72	M53	Z	-2.298	-2.298	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,%]
73	M54	X	0	0	0	%100
74	M54	Z	-2.298	-2.298	0	%100
75	MP4A	X	0	0	0	%100
76	MP4A	Z	-3.457	-3.457	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-3.649	-3.649	0	%100
79	M53A	X	0	0	0	1.2
80	M53A	Z	-1.603	-1.603	0	1.2
81	M54A	X	0	0	0	1.2
82	M54A	Z	-1.603	-1.603	0	1.2
83	M55	X	0	0	0	4.8
84	M55	Z	-1.603	-1.603	0	4.8
85	M56	X	0	0	0	4.8
86	M56	Z	-1.603	-1.603	0	4.8

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	M3	X	1.171	1.171	0	%100
2	M3	Z	-2.028	-2.028	0	%100
3	M5	X	.047	.047	0	%100
4	M5	Z	-.081	-.081	0	%100
5	M6	X	.699	.699	0	%100
6	M6	Z	-1.211	-1.211	0	%100
7	M7	X	1.368	1.368	0	%100
8	M7	Z	-2.37	-2.37	0	%100
9	M8	X	.047	.047	0	%100
10	M8	Z	-.081	-.081	0	%100
11	M9	X	.699	.699	0	%100
12	M9	Z	-1.211	-1.211	0	%100
13	M10	X	1.368	1.368	0	%100
14	M10	Z	-2.37	-2.37	0	%100
15	M11	X	.107	.107	0	%100
16	M11	Z	-.186	-.186	0	%100
17	M12	X	1.6	1.6	0	%100
18	M12	Z	-2.772	-2.772	0	%100
19	M13	X	.107	.107	0	%100
20	M13	Z	-.186	-.186	0	%100
21	M14	X	1.6	1.6	0	%100
22	M14	Z	-2.772	-2.772	0	%100
23	M15	X	.96	.96	0	%100
24	M15	Z	-1.663	-1.663	0	%100
25	M17	X	.96	.96	0	%100
26	M17	Z	-1.663	-1.663	0	%100
27	M19	X	.991	.991	0	0
28	M19	Z	-1.717	-1.717	0	0
29	M20	X	.96	.96	0	%100
30	M20	Z	-1.663	-1.663	0	%100
31	M21	X	.96	.96	0	%100
32	M21	Z	-1.663	-1.663	0	%100
33	M22	X	1.295	1.295	0	%100
34	M22	Z	-2.243	-2.243	0	%100
35	M23	X	1.295	1.295	0	%100
36	M23	Z	-2.243	-2.243	0	%100
37	M24	X	1.31	1.31	0	%100
38	M24	Z	-2.27	-2.27	0	%100
39	M25	X	.991	.991	0	0

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,%]
40	M25	Z	-1.717	-1.717	0	0
41	M26	X	.96	.96	0	%100
42	M26	Z	-1.663	-1.663	0	%100
43	M27	X	.951	.951	0	%100
44	M27	Z	-1.648	-1.648	0	%100
45	M28	X	.96	.96	0	%100
46	M28	Z	-1.663	-1.663	0	%100
47	M29	X	.951	.951	0	%100
48	M29	Z	-1.648	-1.648	0	%100
49	M30	X	.991	.991	0	0
50	M30	Z	-1.717	-1.717	0	0
51	M31	X	.96	.96	0	%100
52	M31	Z	-1.663	-1.663	0	%100
53	M32	X	.96	.96	0	%100
54	M32	Z	-1.663	-1.663	0	%100
55	M33	X	1.295	1.295	0	%100
56	M33	Z	-2.243	-2.243	0	%100
57	M34	X	1.295	1.295	0	%100
58	M34	Z	-2.243	-2.243	0	%100
59	M35	X	1.31	1.31	0	%100
60	M35	Z	-2.27	-2.27	0	%100
61	M36	X	.991	.991	0	0
62	M36	Z	-1.717	-1.717	0	0
63	MP5A	X	1.728	1.728	0	%100
64	MP5A	Z	-2.994	-2.994	0	%100
65	MP3A	X	1.728	1.728	0	%100
66	MP3A	Z	-2.994	-2.994	0	%100
67	MP1A	X	1.728	1.728	0	%100
68	MP1A	Z	-2.994	-2.994	0	%100
69	M52	X	.24	.24	0	%100
70	M52	Z	-.416	-.416	0	%100
71	M53	X	1.351	1.351	0	%100
72	M53	Z	-2.34	-2.34	0	%100
73	M54	X	1.351	1.351	0	%100
74	M54	Z	-2.34	-2.34	0	%100
75	MP4A	X	1.728	1.728	0	%100
76	MP4A	Z	-2.994	-2.994	0	%100
77	MP2A	X	1.825	1.825	0	%100
78	MP2A	Z	-3.16	-3.16	0	%100
79	M53A	X	.991	.991	0	1.2
80	M53A	Z	-1.717	-1.717	0	1.2
81	M54A	X	.991	.991	0	1.2
82	M54A	Z	-1.717	-1.717	0	1.2
83	M55	X	.991	.991	0	4.8
84	M55	Z	-1.717	-1.717	0	4.8
85	M56	X	.991	.991	0	4.8
86	M56	Z	-1.717	-1.717	0	4.8

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,%]
1	M3	X	.676	.676	0	%100
2	M3	Z	-.39	-.39	0	%100
3	M5	X	.094	.094	0	%100
4	M5	Z	-.054	-.054	0	%100
5	M6	X	1.224	1.224	0	%100
6	M6	Z	-.706	-.706	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
7	M7	X	.79	.79	0	%100
8	M7	Z	-.456	-.456	0	%100
9	M8	X	.094	.094	0	%100
10	M8	Z	-.054	-.054	0	%100
11	M9	X	1.224	1.224	0	%100
12	M9	Z	-.706	-.706	0	%100
13	M10	X	.79	.79	0	%100
14	M10	Z	-.456	-.456	0	%100
15	M11	X	.214	.214	0	%100
16	M11	Z	-.124	-.124	0	%100
17	M12	X	2.8	2.8	0	%100
18	M12	Z	-1.617	-1.617	0	%100
19	M13	X	.214	.214	0	%100
20	M13	Z	-.124	-.124	0	%100
21	M14	X	2.8	2.8	0	%100
22	M14	Z	-1.617	-1.617	0	%100
23	M15	X	2.357	2.357	0	%100
24	M15	Z	-1.361	-1.361	0	%100
25	M17	X	2.357	2.357	0	%100
26	M17	Z	-1.361	-1.361	0	%100
27	M19	X	2.375	2.375	0	0
28	M19	Z	-1.371	-1.371	0	0
29	M20	X	2.357	2.357	0	%100
30	M20	Z	-1.361	-1.361	0	%100
31	M21	X	2.357	2.357	0	%100
32	M21	Z	-1.361	-1.361	0	%100
33	M22	X	2.243	2.243	0	%100
34	M22	Z	-1.295	-1.295	0	%100
35	M23	X	2.243	2.243	0	%100
36	M23	Z	-1.295	-1.295	0	%100
37	M24	X	2.27	2.27	0	%100
38	M24	Z	-1.31	-1.31	0	%100
39	M25	X	2.375	2.375	0	0
40	M25	Z	-1.371	-1.371	0	0
41	M26	X	2.357	2.357	0	%100
42	M26	Z	-1.361	-1.361	0	%100
43	M27	X	1.656	1.656	0	%100
44	M27	Z	-.956	-.956	0	%100
45	M28	X	2.357	2.357	0	%100
46	M28	Z	-1.361	-1.361	0	%100
47	M29	X	1.656	1.656	0	%100
48	M29	Z	-.956	-.956	0	%100
49	M30	X	2.375	2.375	0	0
50	M30	Z	-1.371	-1.371	0	0
51	M31	X	2.357	2.357	0	%100
52	M31	Z	-1.361	-1.361	0	%100
53	M32	X	2.357	2.357	0	%100
54	M32	Z	-1.361	-1.361	0	%100
55	M33	X	2.243	2.243	0	%100
56	M33	Z	-1.295	-1.295	0	%100
57	M34	X	2.243	2.243	0	%100
58	M34	Z	-1.295	-1.295	0	%100
59	M35	X	2.27	2.27	0	%100
60	M35	Z	-1.31	-1.31	0	%100
61	M36	X	2.375	2.375	0	0
62	M36	Z	-1.371	-1.371	0	0
63	MP5A	X	2.994	2.994	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
64	MP5A	Z	-1.728	-1.728	0	%100
65	MP3A	X	2.994	2.994	0	%100
66	MP3A	Z	-1.728	-1.728	0	%100
67	MP1A	X	2.994	2.994	0	%100
68	MP1A	Z	-1.728	-1.728	0	%100
69	M52	X	1.924	1.924	0	%100
70	M52	Z	-1.111	-1.111	0	%100
71	M53	X	2.348	2.348	0	%100
72	M53	Z	-1.356	-1.356	0	%100
73	M54	X	2.348	2.348	0	%100
74	M54	Z	-1.356	-1.356	0	%100
75	MP4A	X	2.994	2.994	0	%100
76	MP4A	Z	-1.728	-1.728	0	%100
77	MP2A	X	3.16	3.16	0	%100
78	MP2A	Z	-1.825	-1.825	0	%100
79	M53A	X	2.375	2.375	0	1.2
80	M53A	Z	-1.371	-1.371	0	1.2
81	M54A	X	2.375	2.375	0	1.2
82	M54A	Z	-1.371	-1.371	0	1.2
83	M55	X	2.375	2.375	0	4.8
84	M55	Z	-1.371	-1.371	0	4.8
85	M56	X	2.375	2.375	0	4.8
86	M56	Z	-1.371	-1.371	0	4.8

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	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	.768	.768	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	.768	.768	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	.768	.768	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	.768	.768	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	1.757	1.757	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	1.757	1.757	0	%100
18	M12	Z	0	0	0	%100
19	M13	X	1.757	1.757	0	%100
20	M13	Z	0	0	0	%100
21	M14	X	1.757	1.757	0	%100
22	M14	Z	0	0	0	%100
23	M15	X	3.122	3.122	0	%100
24	M15	Z	0	0	0	%100
25	M17	X	3.122	3.122	0	%100
26	M17	Z	0	0	0	%100
27	M19	X	3.122	3.122	0	0
28	M19	Z	0	0	0	0
29	M20	X	3.122	3.122	0	%100
30	M20	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
31	M21	X	3.122	3.122	0	%100
32	M21	Z	0	0	0	%100
33	M22	X	2.589	2.589	0	%100
34	M22	Z	0	0	0	%100
35	M23	X	2.589	2.589	0	%100
36	M23	Z	0	0	0	%100
37	M24	X	2.621	2.621	0	%100
38	M24	Z	0	0	0	%100
39	M25	X	3.122	3.122	0	0
40	M25	Z	0	0	0	0
41	M26	X	3.122	3.122	0	%100
42	M26	Z	0	0	0	%100
43	M27	X	2.316	2.316	0	%100
44	M27	Z	0	0	0	%100
45	M28	X	3.122	3.122	0	%100
46	M28	Z	0	0	0	%100
47	M29	X	2.316	2.316	0	%100
48	M29	Z	0	0	0	%100
49	M30	X	3.122	3.122	0	0
50	M30	Z	0	0	0	0
51	M31	X	3.122	3.122	0	%100
52	M31	Z	0	0	0	%100
53	M32	X	3.122	3.122	0	%100
54	M32	Z	0	0	0	%100
55	M33	X	2.589	2.589	0	%100
56	M33	Z	0	0	0	%100
57	M34	X	2.589	2.589	0	%100
58	M34	Z	0	0	0	%100
59	M35	X	2.621	2.621	0	%100
60	M35	Z	0	0	0	%100
61	M36	X	3.122	3.122	0	0
62	M36	Z	0	0	0	0
63	MP5A	X	3.457	3.457	0	%100
64	MP5A	Z	0	0	0	%100
65	MP3A	X	3.457	3.457	0	%100
66	MP3A	Z	0	0	0	%100
67	MP1A	X	3.457	3.457	0	%100
68	MP1A	Z	0	0	0	%100
69	M52	X	3.565	3.565	0	%100
70	M52	Z	0	0	0	%100
71	M53	X	2.316	2.316	0	%100
72	M53	Z	0	0	0	%100
73	M54	X	2.316	2.316	0	%100
74	M54	Z	0	0	0	%100
75	MP4A	X	3.457	3.457	0	%100
76	MP4A	Z	0	0	0	%100
77	MP2A	X	3.649	3.649	0	%100
78	MP2A	Z	0	0	0	%100
79	M53A	X	3.122	3.122	0	1.2
80	M53A	Z	0	0	0	1.2
81	M54A	X	3.122	3.122	0	1.2
82	M54A	Z	0	0	0	1.2
83	M55	X	3.122	3.122	0	4.8
84	M55	Z	0	0	0	4.8
85	M56	X	3.122	3.122	0	4.8
86	M56	Z	0	0	0	4.8

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	M3	X	.676	.676	0	%100
2	M3	Z	.39	.39	0	%100
3	M5	X	1.224	1.224	0	%100
4	M5	Z	.706	.706	0	%100
5	M6	X	.094	.094	0	%100
6	M6	Z	.054	.054	0	%100
7	M7	X	.79	.79	0	%100
8	M7	Z	.456	.456	0	%100
9	M8	X	1.224	1.224	0	%100
10	M8	Z	.706	.706	0	%100
11	M9	X	.094	.094	0	%100
12	M9	Z	.054	.054	0	%100
13	M10	X	.79	.79	0	%100
14	M10	Z	.456	.456	0	%100
15	M11	X	2.8	2.8	0	%100
16	M11	Z	1.617	1.617	0	%100
17	M12	X	.214	.214	0	%100
18	M12	Z	.124	.124	0	%100
19	M13	X	2.8	2.8	0	%100
20	M13	Z	1.617	1.617	0	%100
21	M14	X	.214	.214	0	%100
22	M14	Z	.124	.124	0	%100
23	M15	X	2.357	2.357	0	%100
24	M15	Z	1.361	1.361	0	%100
25	M17	X	2.357	2.357	0	%100
26	M17	Z	1.361	1.361	0	%100
27	M19	X	2.375	2.375	0	0
28	M19	Z	1.371	1.371	0	0
29	M20	X	2.357	2.357	0	%100
30	M20	Z	1.361	1.361	0	%100
31	M21	X	2.357	2.357	0	%100
32	M21	Z	1.361	1.361	0	%100
33	M22	X	2.243	2.243	0	%100
34	M22	Z	1.295	1.295	0	%100
35	M23	X	2.243	2.243	0	%100
36	M23	Z	1.295	1.295	0	%100
37	M24	X	2.27	2.27	0	%100
38	M24	Z	1.31	1.31	0	%100
39	M25	X	2.375	2.375	0	0
40	M25	Z	1.371	1.371	0	0
41	M26	X	2.357	2.357	0	%100
42	M26	Z	1.361	1.361	0	%100
43	M27	X	2.348	2.348	0	%100
44	M27	Z	1.356	1.356	0	%100
45	M28	X	2.357	2.357	0	%100
46	M28	Z	1.361	1.361	0	%100
47	M29	X	2.348	2.348	0	%100
48	M29	Z	1.356	1.356	0	%100
49	M30	X	2.375	2.375	0	0
50	M30	Z	1.371	1.371	0	0
51	M31	X	2.357	2.357	0	%100
52	M31	Z	1.361	1.361	0	%100
53	M32	X	2.357	2.357	0	%100
54	M32	Z	1.361	1.361	0	%100
55	M33	X	2.243	2.243	0	%100
56	M33	Z	1.295	1.295	0	%100
57	M34	X	2.243	2.243	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
58	M34	Z	1.295	1.295	0	%100
59	M35	X	2.27	2.27	0	%100
60	M35	Z	1.31	1.31	0	%100
61	M36	X	2.375	2.375	0	0
62	M36	Z	1.371	1.371	0	0
63	MP5A	X	2.994	2.994	0	%100
64	MP5A	Z	1.728	1.728	0	%100
65	MP3A	X	2.994	2.994	0	%100
66	MP3A	Z	1.728	1.728	0	%100
67	MP1A	X	2.994	2.994	0	%100
68	MP1A	Z	1.728	1.728	0	%100
69	M52	X	2.744	2.744	0	%100
70	M52	Z	1.584	1.584	0	%100
71	M53	X	1.656	1.656	0	%100
72	M53	Z	.956	.956	0	%100
73	M54	X	1.656	1.656	0	%100
74	M54	Z	.956	.956	0	%100
75	MP4A	X	2.994	2.994	0	%100
76	MP4A	Z	1.728	1.728	0	%100
77	MP2A	X	3.16	3.16	0	%100
78	MP2A	Z	1.825	1.825	0	%100
79	M53A	X	2.375	2.375	0	1.2
80	M53A	Z	1.371	1.371	0	1.2
81	M54A	X	2.375	2.375	0	1.2
82	M54A	Z	1.371	1.371	0	1.2
83	M55	X	2.375	2.375	0	4.8
84	M55	Z	1.371	1.371	0	4.8
85	M56	X	2.375	2.375	0	4.8
86	M56	Z	1.371	1.371	0	4.8

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	M3	X	1.171	1.171	0	%100
2	M3	Z	2.028	2.028	0	%100
3	M5	X	.699	.699	0	%100
4	M5	Z	1.211	1.211	0	%100
5	M6	X	.047	.047	0	%100
6	M6	Z	.081	.081	0	%100
7	M7	X	1.368	1.368	0	%100
8	M7	Z	2.37	2.37	0	%100
9	M8	X	.699	.699	0	%100
10	M8	Z	1.211	1.211	0	%100
11	M9	X	.047	.047	0	%100
12	M9	Z	.081	.081	0	%100
13	M10	X	1.368	1.368	0	%100
14	M10	Z	2.37	2.37	0	%100
15	M11	X	1.6	1.6	0	%100
16	M11	Z	2.772	2.772	0	%100
17	M12	X	.107	.107	0	%100
18	M12	Z	.186	.186	0	%100
19	M13	X	1.6	1.6	0	%100
20	M13	Z	2.772	2.772	0	%100
21	M14	X	.107	.107	0	%100
22	M14	Z	.186	.186	0	%100
23	M15	X	.96	.96	0	%100
24	M15	Z	1.663	1.663	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
25	M17	X	.96	.96	0	%100
26	M17	Z	1.663	1.663	0	%100
27	M19	X	.991	.991	0	0
28	M19	Z	1.717	1.717	0	0
29	M20	X	.96	.96	0	%100
30	M20	Z	1.663	1.663	0	%100
31	M21	X	.96	.96	0	%100
32	M21	Z	1.663	1.663	0	%100
33	M22	X	1.295	1.295	0	%100
34	M22	Z	2.243	2.243	0	%100
35	M23	X	1.295	1.295	0	%100
36	M23	Z	2.243	2.243	0	%100
37	M24	X	1.31	1.31	0	%100
38	M24	Z	2.27	2.27	0	%100
39	M25	X	.991	.991	0	0
40	M25	Z	1.717	1.717	0	0
41	M26	X	.96	.96	0	%100
42	M26	Z	1.663	1.663	0	%100
43	M27	X	1.351	1.351	0	%100
44	M27	Z	2.34	2.34	0	%100
45	M28	X	.96	.96	0	%100
46	M28	Z	1.663	1.663	0	%100
47	M29	X	1.351	1.351	0	%100
48	M29	Z	2.34	2.34	0	%100
49	M30	X	.991	.991	0	0
50	M30	Z	1.717	1.717	0	0
51	M31	X	.96	.96	0	%100
52	M31	Z	1.663	1.663	0	%100
53	M32	X	.96	.96	0	%100
54	M32	Z	1.663	1.663	0	%100
55	M33	X	1.295	1.295	0	%100
56	M33	Z	2.243	2.243	0	%100
57	M34	X	1.295	1.295	0	%100
58	M34	Z	2.243	2.243	0	%100
59	M35	X	1.31	1.31	0	%100
60	M35	Z	2.27	2.27	0	%100
61	M36	X	.991	.991	0	0
62	M36	Z	1.717	1.717	0	0
63	MP5A	X	1.728	1.728	0	%100
64	MP5A	Z	2.994	2.994	0	%100
65	MP3A	X	1.728	1.728	0	%100
66	MP3A	Z	2.994	2.994	0	%100
67	MP1A	X	1.728	1.728	0	%100
68	MP1A	Z	2.994	2.994	0	%100
69	M52	X	.714	.714	0	%100
70	M52	Z	1.236	1.236	0	%100
71	M53	X	.951	.951	0	%100
72	M53	Z	1.648	1.648	0	%100
73	M54	X	.951	.951	0	%100
74	M54	Z	1.648	1.648	0	%100
75	MP4A	X	1.728	1.728	0	%100
76	MP4A	Z	2.994	2.994	0	%100
77	MP2A	X	1.825	1.825	0	%100
78	MP2A	Z	3.16	3.16	0	%100
79	M53A	X	.991	.991	0	1.2
80	M53A	Z	1.717	1.717	0	1.2
81	M54A	X	.991	.991	0	1.2

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
82	M54A	Z	1.717	1.717	0	1.2
83	M55	X	.991	.991	0	4.8
84	M55	Z	1.717	1.717	0	4.8
85	M56	X	.991	.991	0	4.8
86	M56	Z	1.717	1.717	0	4.8

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	M3	X	0	0	0	%100
2	M3	Z	3.122	3.122	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	.739	.739	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	.739	.739	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	3.649	3.649	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	.739	.739	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	.739	.739	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	3.649	3.649	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	1.691	1.691	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	1.691	1.691	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	1.691	1.691	0	%100
21	M14	X	0	0	0	%100
22	M14	Z	1.691	1.691	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	1.52	1.52	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	1.52	1.52	0	%100
27	M19	X	0	0	0	0
28	M19	Z	1.603	1.603	0	0
29	M20	X	0	0	0	%100
30	M20	Z	1.52	1.52	0	%100
31	M21	X	0	0	0	%100
32	M21	Z	1.52	1.52	0	%100
33	M22	X	0	0	0	%100
34	M22	Z	2.589	2.589	0	%100
35	M23	X	0	0	0	%100
36	M23	Z	2.589	2.589	0	%100
37	M24	X	0	0	0	%100
38	M24	Z	2.621	2.621	0	%100
39	M25	X	0	0	0	0
40	M25	Z	1.603	1.603	0	0
41	M26	X	0	0	0	%100
42	M26	Z	1.52	1.52	0	%100
43	M27	X	0	0	0	%100
44	M27	Z	2.298	2.298	0	%100
45	M28	X	0	0	0	%100
46	M28	Z	1.52	1.52	0	%100
47	M29	X	0	0	0	%100
48	M29	Z	2.298	2.298	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
49	M30	X	0	0	0	0
50	M30	Z	1.603	1.603	0	0
51	M31	X	0	0	0	%100
52	M31	Z	1.52	1.52	0	%100
53	M32	X	0	0	0	%100
54	M32	Z	1.52	1.52	0	%100
55	M33	X	0	0	0	%100
56	M33	Z	2.589	2.589	0	%100
57	M34	X	0	0	0	%100
58	M34	Z	2.589	2.589	0	%100
59	M35	X	0	0	0	%100
60	M35	Z	2.621	2.621	0	%100
61	M36	X	0	0	0	0
62	M36	Z	1.603	1.603	0	0
63	MP5A	X	0	0	0	%100
64	MP5A	Z	3.457	3.457	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	3.457	3.457	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	3.457	3.457	0	%100
69	M52	X	0	0	0	%100
70	M52	Z	.084	.084	0	%100
71	M53	X	0	0	0	%100
72	M53	Z	2.298	2.298	0	%100
73	M54	X	0	0	0	%100
74	M54	Z	2.298	2.298	0	%100
75	MP4A	X	0	0	0	%100
76	MP4A	Z	3.457	3.457	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	3.649	3.649	0	%100
79	M53A	X	0	0	0	1.2
80	M53A	Z	1.603	1.603	0	1.2
81	M54A	X	0	0	0	1.2
82	M54A	Z	1.603	1.603	0	1.2
83	M55	X	0	0	0	4.8
84	M55	Z	1.603	1.603	0	4.8
85	M56	X	0	0	0	4.8
86	M56	Z	1.603	1.603	0	4.8

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	M3	X	-1.171	-1.171	0	%100
2	M3	Z	2.028	2.028	0	%100
3	M5	X	-.047	-.047	0	%100
4	M5	Z	.081	.081	0	%100
5	M6	X	-.699	-.699	0	%100
6	M6	Z	1.211	1.211	0	%100
7	M7	X	-1.368	-1.368	0	%100
8	M7	Z	2.37	2.37	0	%100
9	M8	X	-.047	-.047	0	%100
10	M8	Z	.081	.081	0	%100
11	M9	X	-.699	-.699	0	%100
12	M9	Z	1.211	1.211	0	%100
13	M10	X	-1.368	-1.368	0	%100
14	M10	Z	2.37	2.37	0	%100
15	M11	X	-.107	-.107	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
16	M11	Z	.186	.186	0	%100
17	M12	X	-1.6	-1.6	0	%100
18	M12	Z	2.772	2.772	0	%100
19	M13	X	-.107	-.107	0	%100
20	M13	Z	.186	.186	0	%100
21	M14	X	-1.6	-1.6	0	%100
22	M14	Z	2.772	2.772	0	%100
23	M15	X	-.96	-.96	0	%100
24	M15	Z	1.663	1.663	0	%100
25	M17	X	-.96	-.96	0	%100
26	M17	Z	1.663	1.663	0	%100
27	M19	X	-.991	-.991	0	0
28	M19	Z	1.717	1.717	0	0
29	M20	X	-.96	-.96	0	%100
30	M20	Z	1.663	1.663	0	%100
31	M21	X	-.96	-.96	0	%100
32	M21	Z	1.663	1.663	0	%100
33	M22	X	-1.295	-1.295	0	%100
34	M22	Z	2.243	2.243	0	%100
35	M23	X	-1.295	-1.295	0	%100
36	M23	Z	2.243	2.243	0	%100
37	M24	X	-1.31	-1.31	0	%100
38	M24	Z	2.27	2.27	0	%100
39	M25	X	-.991	-.991	0	0
40	M25	Z	1.717	1.717	0	0
41	M26	X	-.96	-.96	0	%100
42	M26	Z	1.663	1.663	0	%100
43	M27	X	-.951	-.951	0	%100
44	M27	Z	1.648	1.648	0	%100
45	M28	X	-.96	-.96	0	%100
46	M28	Z	1.663	1.663	0	%100
47	M29	X	-.951	-.951	0	%100
48	M29	Z	1.648	1.648	0	%100
49	M30	X	-.991	-.991	0	0
50	M30	Z	1.717	1.717	0	0
51	M31	X	-.96	-.96	0	%100
52	M31	Z	1.663	1.663	0	%100
53	M32	X	-.96	-.96	0	%100
54	M32	Z	1.663	1.663	0	%100
55	M33	X	-1.295	-1.295	0	%100
56	M33	Z	2.243	2.243	0	%100
57	M34	X	-1.295	-1.295	0	%100
58	M34	Z	2.243	2.243	0	%100
59	M35	X	-1.31	-1.31	0	%100
60	M35	Z	2.27	2.27	0	%100
61	M36	X	-.991	-.991	0	0
62	M36	Z	1.717	1.717	0	0
63	MP5A	X	-1.728	-1.728	0	%100
64	MP5A	Z	2.994	2.994	0	%100
65	MP3A	X	-1.728	-1.728	0	%100
66	MP3A	Z	2.994	2.994	0	%100
67	MP1A	X	-1.728	-1.728	0	%100
68	MP1A	Z	2.994	2.994	0	%100
69	M52	X	-.24	-.24	0	%100
70	M52	Z	.416	.416	0	%100
71	M53	X	-1.351	-1.351	0	%100
72	M53	Z	2.34	2.34	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
73	M54	X	-1.351	-1.351	0	%100
74	M54	Z	2.34	2.34	0	%100
75	MP4A	X	-1.728	-1.728	0	%100
76	MP4A	Z	2.994	2.994	0	%100
77	MP2A	X	-1.825	-1.825	0	%100
78	MP2A	Z	3.16	3.16	0	%100
79	M53A	X	-.991	-.991	0	1.2
80	M53A	Z	1.717	1.717	0	1.2
81	M54A	X	-.991	-.991	0	1.2
82	M54A	Z	1.717	1.717	0	1.2
83	M55	X	-.991	-.991	0	4.8
84	M55	Z	1.717	1.717	0	4.8
85	M56	X	-.991	-.991	0	4.8
86	M56	Z	1.717	1.717	0	4.8

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	M3	X	-.676	-.676	0	%100
2	M3	Z	.39	.39	0	%100
3	M5	X	-.094	-.094	0	%100
4	M5	Z	.054	.054	0	%100
5	M6	X	-1.224	-1.224	0	%100
6	M6	Z	.706	.706	0	%100
7	M7	X	-.79	-.79	0	%100
8	M7	Z	.456	.456	0	%100
9	M8	X	-.094	-.094	0	%100
10	M8	Z	.054	.054	0	%100
11	M9	X	-1.224	-1.224	0	%100
12	M9	Z	.706	.706	0	%100
13	M10	X	-.79	-.79	0	%100
14	M10	Z	.456	.456	0	%100
15	M11	X	-.214	-.214	0	%100
16	M11	Z	.124	.124	0	%100
17	M12	X	-2.8	-2.8	0	%100
18	M12	Z	1.617	1.617	0	%100
19	M13	X	-.214	-.214	0	%100
20	M13	Z	.124	.124	0	%100
21	M14	X	-2.8	-2.8	0	%100
22	M14	Z	1.617	1.617	0	%100
23	M15	X	-2.357	-2.357	0	%100
24	M15	Z	1.361	1.361	0	%100
25	M17	X	-2.357	-2.357	0	%100
26	M17	Z	1.361	1.361	0	%100
27	M19	X	-2.375	-2.375	0	0
28	M19	Z	1.371	1.371	0	0
29	M20	X	-2.357	-2.357	0	%100
30	M20	Z	1.361	1.361	0	%100
31	M21	X	-2.357	-2.357	0	%100
32	M21	Z	1.361	1.361	0	%100
33	M22	X	-2.243	-2.243	0	%100
34	M22	Z	1.295	1.295	0	%100
35	M23	X	-2.243	-2.243	0	%100
36	M23	Z	1.295	1.295	0	%100
37	M24	X	-2.27	-2.27	0	%100
38	M24	Z	1.31	1.31	0	%100
39	M25	X	-2.375	-2.375	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
40	M25	Z	1.371	1.371	0	0
41	M26	X	-2.357	-2.357	0	%100
42	M26	Z	1.361	1.361	0	%100
43	M27	X	-1.656	-1.656	0	%100
44	M27	Z	.956	.956	0	%100
45	M28	X	-2.357	-2.357	0	%100
46	M28	Z	1.361	1.361	0	%100
47	M29	X	-1.656	-1.656	0	%100
48	M29	Z	.956	.956	0	%100
49	M30	X	-2.375	-2.375	0	0
50	M30	Z	1.371	1.371	0	0
51	M31	X	-2.357	-2.357	0	%100
52	M31	Z	1.361	1.361	0	%100
53	M32	X	-2.357	-2.357	0	%100
54	M32	Z	1.361	1.361	0	%100
55	M33	X	-2.243	-2.243	0	%100
56	M33	Z	1.295	1.295	0	%100
57	M34	X	-2.243	-2.243	0	%100
58	M34	Z	1.295	1.295	0	%100
59	M35	X	-2.27	-2.27	0	%100
60	M35	Z	1.31	1.31	0	%100
61	M36	X	-2.375	-2.375	0	0
62	M36	Z	1.371	1.371	0	0
63	MP5A	X	-2.994	-2.994	0	%100
64	MP5A	Z	1.728	1.728	0	%100
65	MP3A	X	-2.994	-2.994	0	%100
66	MP3A	Z	1.728	1.728	0	%100
67	MP1A	X	-2.994	-2.994	0	%100
68	MP1A	Z	1.728	1.728	0	%100
69	M52	X	-1.924	-1.924	0	%100
70	M52	Z	1.111	1.111	0	%100
71	M53	X	-2.348	-2.348	0	%100
72	M53	Z	1.356	1.356	0	%100
73	M54	X	-2.348	-2.348	0	%100
74	M54	Z	1.356	1.356	0	%100
75	MP4A	X	-2.994	-2.994	0	%100
76	MP4A	Z	1.728	1.728	0	%100
77	MP2A	X	-3.16	-3.16	0	%100
78	MP2A	Z	1.825	1.825	0	%100
79	M53A	X	-2.375	-2.375	0	1.2
80	M53A	Z	1.371	1.371	0	1.2
81	M54A	X	-2.375	-2.375	0	1.2
82	M54A	Z	1.371	1.371	0	1.2
83	M55	X	-2.375	-2.375	0	4.8
84	M55	Z	1.371	1.371	0	4.8
85	M56	X	-2.375	-2.375	0	4.8
86	M56	Z	1.371	1.371	0	4.8

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	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	-.768	-.768	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	-.768	-.768	0	%100
6	M6	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	-.768	-.768	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	-.768	-.768	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	-1.757	-1.757	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	-1.757	-1.757	0	%100
18	M12	Z	0	0	0	%100
19	M13	X	-1.757	-1.757	0	%100
20	M13	Z	0	0	0	%100
21	M14	X	-1.757	-1.757	0	%100
22	M14	Z	0	0	0	%100
23	M15	X	-3.122	-3.122	0	%100
24	M15	Z	0	0	0	%100
25	M17	X	-3.122	-3.122	0	%100
26	M17	Z	0	0	0	%100
27	M19	X	-3.122	-3.122	0	0
28	M19	Z	0	0	0	0
29	M20	X	-3.122	-3.122	0	%100
30	M20	Z	0	0	0	%100
31	M21	X	-3.122	-3.122	0	%100
32	M21	Z	0	0	0	%100
33	M22	X	-2.589	-2.589	0	%100
34	M22	Z	0	0	0	%100
35	M23	X	-2.589	-2.589	0	%100
36	M23	Z	0	0	0	%100
37	M24	X	-2.621	-2.621	0	%100
38	M24	Z	0	0	0	%100
39	M25	X	-3.122	-3.122	0	0
40	M25	Z	0	0	0	0
41	M26	X	-3.122	-3.122	0	%100
42	M26	Z	0	0	0	%100
43	M27	X	-2.316	-2.316	0	%100
44	M27	Z	0	0	0	%100
45	M28	X	-3.122	-3.122	0	%100
46	M28	Z	0	0	0	%100
47	M29	X	-2.316	-2.316	0	%100
48	M29	Z	0	0	0	%100
49	M30	X	-3.122	-3.122	0	0
50	M30	Z	0	0	0	0
51	M31	X	-3.122	-3.122	0	%100
52	M31	Z	0	0	0	%100
53	M32	X	-3.122	-3.122	0	%100
54	M32	Z	0	0	0	%100
55	M33	X	-2.589	-2.589	0	%100
56	M33	Z	0	0	0	%100
57	M34	X	-2.589	-2.589	0	%100
58	M34	Z	0	0	0	%100
59	M35	X	-2.621	-2.621	0	%100
60	M35	Z	0	0	0	%100
61	M36	X	-3.122	-3.122	0	0
62	M36	Z	0	0	0	0
63	MP5A	X	-3.457	-3.457	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
64	MP5A	Z	0	0	0	%100
65	MP3A	X	-3.457	-3.457	0	%100
66	MP3A	Z	0	0	0	%100
67	MP1A	X	-3.457	-3.457	0	%100
68	MP1A	Z	0	0	0	%100
69	M52	X	-3.565	-3.565	0	%100
70	M52	Z	0	0	0	%100
71	M53	X	-2.316	-2.316	0	%100
72	M53	Z	0	0	0	%100
73	M54	X	-2.316	-2.316	0	%100
74	M54	Z	0	0	0	%100
75	MP4A	X	-3.457	-3.457	0	%100
76	MP4A	Z	0	0	0	%100
77	MP2A	X	-3.649	-3.649	0	%100
78	MP2A	Z	0	0	0	%100
79	M53A	X	-3.122	-3.122	0	1.2
80	M53A	Z	0	0	0	1.2
81	M54A	X	-3.122	-3.122	0	1.2
82	M54A	Z	0	0	0	1.2
83	M55	X	-3.122	-3.122	0	4.8
84	M55	Z	0	0	0	4.8
85	M56	X	-3.122	-3.122	0	4.8
86	M56	Z	0	0	0	4.8

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	M3	X	-.676	-.676	0	%100
2	M3	Z	-.39	-.39	0	%100
3	M5	X	-1.224	-1.224	0	%100
4	M5	Z	-.706	-.706	0	%100
5	M6	X	-.094	-.094	0	%100
6	M6	Z	-.054	-.054	0	%100
7	M7	X	-.79	-.79	0	%100
8	M7	Z	-.456	-.456	0	%100
9	M8	X	-1.224	-1.224	0	%100
10	M8	Z	-.706	-.706	0	%100
11	M9	X	-.094	-.094	0	%100
12	M9	Z	-.054	-.054	0	%100
13	M10	X	-.79	-.79	0	%100
14	M10	Z	-.456	-.456	0	%100
15	M11	X	-2.8	-2.8	0	%100
16	M11	Z	-1.617	-1.617	0	%100
17	M12	X	-.214	-.214	0	%100
18	M12	Z	-.124	-.124	0	%100
19	M13	X	-2.8	-2.8	0	%100
20	M13	Z	-1.617	-1.617	0	%100
21	M14	X	-.214	-.214	0	%100
22	M14	Z	-.124	-.124	0	%100
23	M15	X	-2.357	-2.357	0	%100
24	M15	Z	-1.361	-1.361	0	%100
25	M17	X	-2.357	-2.357	0	%100
26	M17	Z	-1.361	-1.361	0	%100
27	M19	X	-2.375	-2.375	0	0
28	M19	Z	-1.371	-1.371	0	0
29	M20	X	-2.357	-2.357	0	%100
30	M20	Z	-1.361	-1.361	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
31	M21	X	-2.357	-2.357	0	%100
32	M21	Z	-1.361	-1.361	0	%100
33	M22	X	-2.243	-2.243	0	%100
34	M22	Z	-1.295	-1.295	0	%100
35	M23	X	-2.243	-2.243	0	%100
36	M23	Z	-1.295	-1.295	0	%100
37	M24	X	-2.27	-2.27	0	%100
38	M24	Z	-1.31	-1.31	0	%100
39	M25	X	-2.375	-2.375	0	0
40	M25	Z	-1.371	-1.371	0	0
41	M26	X	-2.357	-2.357	0	%100
42	M26	Z	-1.361	-1.361	0	%100
43	M27	X	-2.348	-2.348	0	%100
44	M27	Z	-1.356	-1.356	0	%100
45	M28	X	-2.357	-2.357	0	%100
46	M28	Z	-1.361	-1.361	0	%100
47	M29	X	-2.348	-2.348	0	%100
48	M29	Z	-1.356	-1.356	0	%100
49	M30	X	-2.375	-2.375	0	0
50	M30	Z	-1.371	-1.371	0	0
51	M31	X	-2.357	-2.357	0	%100
52	M31	Z	-1.361	-1.361	0	%100
53	M32	X	-2.357	-2.357	0	%100
54	M32	Z	-1.361	-1.361	0	%100
55	M33	X	-2.243	-2.243	0	%100
56	M33	Z	-1.295	-1.295	0	%100
57	M34	X	-2.243	-2.243	0	%100
58	M34	Z	-1.295	-1.295	0	%100
59	M35	X	-2.27	-2.27	0	%100
60	M35	Z	-1.31	-1.31	0	%100
61	M36	X	-2.375	-2.375	0	0
62	M36	Z	-1.371	-1.371	0	0
63	MP5A	X	-2.994	-2.994	0	%100
64	MP5A	Z	-1.728	-1.728	0	%100
65	MP3A	X	-2.994	-2.994	0	%100
66	MP3A	Z	-1.728	-1.728	0	%100
67	MP1A	X	-2.994	-2.994	0	%100
68	MP1A	Z	-1.728	-1.728	0	%100
69	M52	X	-2.744	-2.744	0	%100
70	M52	Z	-1.584	-1.584	0	%100
71	M53	X	-1.656	-1.656	0	%100
72	M53	Z	-.956	-.956	0	%100
73	M54	X	-1.656	-1.656	0	%100
74	M54	Z	-.956	-.956	0	%100
75	MP4A	X	-2.994	-2.994	0	%100
76	MP4A	Z	-1.728	-1.728	0	%100
77	MP2A	X	-3.16	-3.16	0	%100
78	MP2A	Z	-1.825	-1.825	0	%100
79	M53A	X	-2.375	-2.375	0	1.2
80	M53A	Z	-1.371	-1.371	0	1.2
81	M54A	X	-2.375	-2.375	0	1.2
82	M54A	Z	-1.371	-1.371	0	1.2
83	M55	X	-2.375	-2.375	0	4.8
84	M55	Z	-1.371	-1.371	0	4.8
85	M56	X	-2.375	-2.375	0	4.8
86	M56	Z	-1.371	-1.371	0	4.8

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	M3	X	-1.171	-1.171	0	%100
2	M3	Z	-2.028	-2.028	0	%100
3	M5	X	-.699	-.699	0	%100
4	M5	Z	-1.211	-1.211	0	%100
5	M6	X	-.047	-.047	0	%100
6	M6	Z	-.081	-.081	0	%100
7	M7	X	-1.368	-1.368	0	%100
8	M7	Z	-2.37	-2.37	0	%100
9	M8	X	-.699	-.699	0	%100
10	M8	Z	-1.211	-1.211	0	%100
11	M9	X	-.047	-.047	0	%100
12	M9	Z	-.081	-.081	0	%100
13	M10	X	-1.368	-1.368	0	%100
14	M10	Z	-2.37	-2.37	0	%100
15	M11	X	-1.6	-1.6	0	%100
16	M11	Z	-2.772	-2.772	0	%100
17	M12	X	-.107	-.107	0	%100
18	M12	Z	-.186	-.186	0	%100
19	M13	X	-1.6	-1.6	0	%100
20	M13	Z	-2.772	-2.772	0	%100
21	M14	X	-.107	-.107	0	%100
22	M14	Z	-.186	-.186	0	%100
23	M15	X	-.96	-.96	0	%100
24	M15	Z	-1.663	-1.663	0	%100
25	M17	X	-.96	-.96	0	%100
26	M17	Z	-1.663	-1.663	0	%100
27	M19	X	-.991	-.991	0	0
28	M19	Z	-1.717	-1.717	0	0
29	M20	X	-.96	-.96	0	%100
30	M20	Z	-1.663	-1.663	0	%100
31	M21	X	-.96	-.96	0	%100
32	M21	Z	-1.663	-1.663	0	%100
33	M22	X	-1.295	-1.295	0	%100
34	M22	Z	-2.243	-2.243	0	%100
35	M23	X	-1.295	-1.295	0	%100
36	M23	Z	-2.243	-2.243	0	%100
37	M24	X	-1.31	-1.31	0	%100
38	M24	Z	-2.27	-2.27	0	%100
39	M25	X	-.991	-.991	0	0
40	M25	Z	-1.717	-1.717	0	0
41	M26	X	-.96	-.96	0	%100
42	M26	Z	-1.663	-1.663	0	%100
43	M27	X	-1.351	-1.351	0	%100
44	M27	Z	-2.34	-2.34	0	%100
45	M28	X	-.96	-.96	0	%100
46	M28	Z	-1.663	-1.663	0	%100
47	M29	X	-1.351	-1.351	0	%100
48	M29	Z	-2.34	-2.34	0	%100
49	M30	X	-.991	-.991	0	0
50	M30	Z	-1.717	-1.717	0	0
51	M31	X	-.96	-.96	0	%100
52	M31	Z	-1.663	-1.663	0	%100
53	M32	X	-.96	-.96	0	%100
54	M32	Z	-1.663	-1.663	0	%100
55	M33	X	-1.295	-1.295	0	%100
56	M33	Z	-2.243	-2.243	0	%100
57	M34	X	-1.295	-1.295	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
58	M34	Z	-2.243	-2.243	0	%100
59	M35	X	-1.31	-1.31	0	%100
60	M35	Z	-2.27	-2.27	0	%100
61	M36	X	-.991	-.991	0	0
62	M36	Z	-1.717	-1.717	0	0
63	MP5A	X	-1.728	-1.728	0	%100
64	MP5A	Z	-2.994	-2.994	0	%100
65	MP3A	X	-1.728	-1.728	0	%100
66	MP3A	Z	-2.994	-2.994	0	%100
67	MP1A	X	-1.728	-1.728	0	%100
68	MP1A	Z	-2.994	-2.994	0	%100
69	M52	X	-.714	-.714	0	%100
70	M52	Z	-1.236	-1.236	0	%100
71	M53	X	-.951	-.951	0	%100
72	M53	Z	-1.648	-1.648	0	%100
73	M54	X	-.951	-.951	0	%100
74	M54	Z	-1.648	-1.648	0	%100
75	MP4A	X	-1.728	-1.728	0	%100
76	MP4A	Z	-2.994	-2.994	0	%100
77	MP2A	X	-1.825	-1.825	0	%100
78	MP2A	Z	-3.16	-3.16	0	%100
79	M53A	X	-.991	-.991	0	1.2
80	M53A	Z	-1.717	-1.717	0	1.2
81	M54A	X	-.991	-.991	0	1.2
82	M54A	Z	-1.717	-1.717	0	1.2
83	M55	X	-.991	-.991	0	4.8
84	M55	Z	-1.717	-1.717	0	4.8
85	M56	X	-.991	-.991	0	4.8
86	M56	Z	-1.717	-1.717	0	4.8

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	M3	X	0	0	0	%100
2	M3	Z	-.665	-.665	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	-.041	-.041	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	-.041	-.041	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-.526	-.526	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	-.041	-.041	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-.041	-.041	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	-.526	-.526	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	-.258	-.258	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	-.258	-.258	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	-.258	-.258	0	%100
21	M14	X	0	0	0	%100
22	M14	Z	-.258	-.258	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	-.088	-.088	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
25	M17	X	0	0	0	%100
26	M17	Z	-.088	-.088	0	%100
27	M19	X	0	0	0	0
28	M19	Z	-.118	-.118	0	0
29	M20	X	0	0	0	%100
30	M20	Z	-.088	-.088	0	%100
31	M21	X	0	0	0	%100
32	M21	Z	-.088	-.088	0	%100
33	M22	X	0	0	0	%100
34	M22	Z	-.353	-.353	0	%100
35	M23	X	0	0	0	%100
36	M23	Z	-.353	-.353	0	%100
37	M24	X	0	0	0	%100
38	M24	Z	-.402	-.402	0	%100
39	M25	X	0	0	0	0
40	M25	Z	-.118	-.118	0	0
41	M26	X	0	0	0	%100
42	M26	Z	-.088	-.088	0	%100
43	M27	X	0	0	0	%100
44	M27	Z	-.305	-.305	0	%100
45	M28	X	0	0	0	%100
46	M28	Z	-.088	-.088	0	%100
47	M29	X	0	0	0	%100
48	M29	Z	-.305	-.305	0	%100
49	M30	X	0	0	0	0
50	M30	Z	-.118	-.118	0	0
51	M31	X	0	0	0	%100
52	M31	Z	-.088	-.088	0	%100
53	M32	X	0	0	0	%100
54	M32	Z	-.088	-.088	0	%100
55	M33	X	0	0	0	%100
56	M33	Z	-.353	-.353	0	%100
57	M34	X	0	0	0	%100
58	M34	Z	-.353	-.353	0	%100
59	M35	X	0	0	0	%100
60	M35	Z	-.402	-.402	0	%100
61	M36	X	0	0	0	0
62	M36	Z	-.118	-.118	0	0
63	MP5A	X	0	0	0	%100
64	MP5A	Z	-.526	-.526	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	-.526	-.526	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	-.526	-.526	0	%100
69	M52	X	0	0	0	%100
70	M52	Z	-.012	-.012	0	%100
71	M53	X	0	0	0	%100
72	M53	Z	-.305	-.305	0	%100
73	M54	X	0	0	0	%100
74	M54	Z	-.305	-.305	0	%100
75	MP4A	X	0	0	0	%100
76	MP4A	Z	-.526	-.526	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-.526	-.526	0	%100
79	M53A	X	0	0	0	1.2
80	M53A	Z	-.118	-.118	0	1.2
81	M54A	X	0	0	0	1.2

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
82	M54A	Z	-.118	-.118	0	1.2
83	M55	X	0	0	0	4.8
84	M55	Z	-.118	-.118	0	4.8
85	M56	X	0	0	0	4.8
86	M56	Z	-.118	-.118	0	4.8

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	M3	X	.249	.249	0	%100
2	M3	Z	-.432	-.432	0	%100
3	M5	X	.003	.003	0	%100
4	M5	Z	-.004	-.004	0	%100
5	M6	X	.039	.039	0	%100
6	M6	Z	-.067	-.067	0	%100
7	M7	X	.197	.197	0	%100
8	M7	Z	-.342	-.342	0	%100
9	M8	X	.003	.003	0	%100
10	M8	Z	-.004	-.004	0	%100
11	M9	X	.039	.039	0	%100
12	M9	Z	-.067	-.067	0	%100
13	M10	X	.197	.197	0	%100
14	M10	Z	-.342	-.342	0	%100
15	M11	X	.016	.016	0	%100
16	M11	Z	-.028	-.028	0	%100
17	M12	X	.244	.244	0	%100
18	M12	Z	-.423	-.423	0	%100
19	M13	X	.016	.016	0	%100
20	M13	Z	-.028	-.028	0	%100
21	M14	X	.244	.244	0	%100
22	M14	Z	-.423	-.423	0	%100
23	M15	X	.116	.116	0	%100
24	M15	Z	-.201	-.201	0	%100
25	M17	X	.116	.116	0	%100
26	M17	Z	-.201	-.201	0	%100
27	M19	X	.127	.127	0	0
28	M19	Z	-.22	-.22	0	0
29	M20	X	.116	.116	0	%100
30	M20	Z	-.201	-.201	0	%100
31	M21	X	.116	.116	0	%100
32	M21	Z	-.201	-.201	0	%100
33	M22	X	.177	.177	0	%100
34	M22	Z	-.306	-.306	0	%100
35	M23	X	.177	.177	0	%100
36	M23	Z	-.306	-.306	0	%100
37	M24	X	.201	.201	0	%100
38	M24	Z	-.348	-.348	0	%100
39	M25	X	.127	.127	0	0
40	M25	Z	-.22	-.22	0	0
41	M26	X	.116	.116	0	%100
42	M26	Z	-.201	-.201	0	%100
43	M27	X	.126	.126	0	%100
44	M27	Z	-.219	-.219	0	%100
45	M28	X	.116	.116	0	%100
46	M28	Z	-.201	-.201	0	%100
47	M29	X	.126	.126	0	%100
48	M29	Z	-.219	-.219	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
49	M30	X	.127	.127	0	0
50	M30	Z	-.22	-.22	0	0
51	M31	X	.116	.116	0	%100
52	M31	Z	-.201	-.201	0	%100
53	M32	X	.116	.116	0	%100
54	M32	Z	-.201	-.201	0	%100
55	M33	X	.177	.177	0	%100
56	M33	Z	-.306	-.306	0	%100
57	M34	X	.177	.177	0	%100
58	M34	Z	-.306	-.306	0	%100
59	M35	X	.201	.201	0	%100
60	M35	Z	-.348	-.348	0	%100
61	M36	X	.127	.127	0	0
62	M36	Z	-.22	-.22	0	0
63	MP5A	X	.263	.263	0	%100
64	MP5A	Z	-.456	-.456	0	%100
65	MP3A	X	.263	.263	0	%100
66	MP3A	Z	-.456	-.456	0	%100
67	MP1A	X	.263	.263	0	%100
68	MP1A	Z	-.456	-.456	0	%100
69	M52	X	.035	.035	0	%100
70	M52	Z	-.06	-.06	0	%100
71	M53	X	.179	.179	0	%100
72	M53	Z	-.311	-.311	0	%100
73	M54	X	.179	.179	0	%100
74	M54	Z	-.311	-.311	0	%100
75	MP4A	X	.263	.263	0	%100
76	MP4A	Z	-.456	-.456	0	%100
77	MP2A	X	.263	.263	0	%100
78	MP2A	Z	-.456	-.456	0	%100
79	M53A	X	.127	.127	0	1.2
80	M53A	Z	-.22	-.22	0	1.2
81	M54A	X	.127	.127	0	1.2
82	M54A	Z	-.22	-.22	0	1.2
83	M55	X	.127	.127	0	4.8
84	M55	Z	-.22	-.22	0	4.8
85	M56	X	.127	.127	0	4.8
86	M56	Z	-.22	-.22	0	4.8

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	M3	X	.144	.144	0	%100
2	M3	Z	-.083	-.083	0	%100
3	M5	X	.005	.005	0	%100
4	M5	Z	-.003	-.003	0	%100
5	M6	X	.067	.067	0	%100
6	M6	Z	-.039	-.039	0	%100
7	M7	X	.114	.114	0	%100
8	M7	Z	-.066	-.066	0	%100
9	M8	X	.005	.005	0	%100
10	M8	Z	-.003	-.003	0	%100
11	M9	X	.067	.067	0	%100
12	M9	Z	-.039	-.039	0	%100
13	M10	X	.114	.114	0	%100
14	M10	Z	-.066	-.066	0	%100
15	M11	X	.033	.033	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
16	M11	Z	-.019	-.019	0	%100
17	M12	X	.427	.427	0	%100
18	M12	Z	-.247	-.247	0	%100
19	M13	X	.033	.033	0	%100
20	M13	Z	-.019	-.019	0	%100
21	M14	X	.427	.427	0	%100
22	M14	Z	-.247	-.247	0	%100
23	M15	X	.451	.451	0	%100
24	M15	Z	-.26	-.26	0	%100
25	M17	X	.451	.451	0	%100
26	M17	Z	-.26	-.26	0	%100
27	M19	X	.457	.457	0	0
28	M19	Z	-.264	-.264	0	0
29	M20	X	.451	.451	0	%100
30	M20	Z	-.26	-.26	0	%100
31	M21	X	.451	.451	0	%100
32	M21	Z	-.26	-.26	0	%100
33	M22	X	.306	.306	0	%100
34	M22	Z	-.177	-.177	0	%100
35	M23	X	.306	.306	0	%100
36	M23	Z	-.177	-.177	0	%100
37	M24	X	.348	.348	0	%100
38	M24	Z	-.201	-.201	0	%100
39	M25	X	.457	.457	0	0
40	M25	Z	-.264	-.264	0	0
41	M26	X	.451	.451	0	%100
42	M26	Z	-.26	-.26	0	%100
43	M27	X	.22	.22	0	%100
44	M27	Z	-.127	-.127	0	%100
45	M28	X	.451	.451	0	%100
46	M28	Z	-.26	-.26	0	%100
47	M29	X	.22	.22	0	%100
48	M29	Z	-.127	-.127	0	%100
49	M30	X	.457	.457	0	0
50	M30	Z	-.264	-.264	0	0
51	M31	X	.451	.451	0	%100
52	M31	Z	-.26	-.26	0	%100
53	M32	X	.451	.451	0	%100
54	M32	Z	-.26	-.26	0	%100
55	M33	X	.306	.306	0	%100
56	M33	Z	-.177	-.177	0	%100
57	M34	X	.306	.306	0	%100
58	M34	Z	-.177	-.177	0	%100
59	M35	X	.348	.348	0	%100
60	M35	Z	-.201	-.201	0	%100
61	M36	X	.457	.457	0	0
62	M36	Z	-.264	-.264	0	0
63	MP5A	X	.456	.456	0	%100
64	MP5A	Z	-.263	-.263	0	%100
65	MP3A	X	.456	.456	0	%100
66	MP3A	Z	-.263	-.263	0	%100
67	MP1A	X	.456	.456	0	%100
68	MP1A	Z	-.263	-.263	0	%100
69	M52	X	.277	.277	0	%100
70	M52	Z	-.16	-.16	0	%100
71	M53	X	.312	.312	0	%100
72	M53	Z	-.18	-.18	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
73	M54	X	.312	.312	0	%100
74	M54	Z	-.18	-.18	0	%100
75	MP4A	X	.456	.456	0	%100
76	MP4A	Z	-.263	-.263	0	%100
77	MP2A	X	.456	.456	0	%100
78	MP2A	Z	-.263	-.263	0	%100
79	M53A	X	.457	.457	0	1.2
80	M53A	Z	-.264	-.264	0	1.2
81	M54A	X	.457	.457	0	1.2
82	M54A	Z	-.264	-.264	0	1.2
83	M55	X	.457	.457	0	4.8
84	M55	Z	-.264	-.264	0	4.8
85	M56	X	.457	.457	0	4.8
86	M56	Z	-.264	-.264	0	4.8

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	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	.042	.042	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	.042	.042	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	.042	.042	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	.042	.042	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	.268	.268	0	%100
16	M11	Z	0	0	0	%100
17	M12	X	.268	.268	0	%100
18	M12	Z	0	0	0	%100
19	M13	X	.268	.268	0	%100
20	M13	Z	0	0	0	%100
21	M14	X	.268	.268	0	%100
22	M14	Z	0	0	0	%100
23	M15	X	.665	.665	0	%100
24	M15	Z	0	0	0	%100
25	M17	X	.665	.665	0	%100
26	M17	Z	0	0	0	%100
27	M19	X	.665	.665	0	0
28	M19	Z	0	0	0	0
29	M20	X	.665	.665	0	%100
30	M20	Z	0	0	0	%100
31	M21	X	.665	.665	0	%100
32	M21	Z	0	0	0	%100
33	M22	X	.353	.353	0	%100
34	M22	Z	0	0	0	%100
35	M23	X	.353	.353	0	%100
36	M23	Z	0	0	0	%100
37	M24	X	.402	.402	0	%100
38	M24	Z	0	0	0	%100
39	M25	X	.665	.665	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
40	M25	Z	0	0	0	0
41	M26	X	.665	.665	0	%100
42	M26	Z	0	0	0	%100
43	M27	X	.308	.308	0	%100
44	M27	Z	0	0	0	%100
45	M28	X	.665	.665	0	%100
46	M28	Z	0	0	0	%100
47	M29	X	.308	.308	0	%100
48	M29	Z	0	0	0	%100
49	M30	X	.665	.665	0	0
50	M30	Z	0	0	0	0
51	M31	X	.665	.665	0	%100
52	M31	Z	0	0	0	%100
53	M32	X	.665	.665	0	%100
54	M32	Z	0	0	0	%100
55	M33	X	.353	.353	0	%100
56	M33	Z	0	0	0	%100
57	M34	X	.353	.353	0	%100
58	M34	Z	0	0	0	%100
59	M35	X	.402	.402	0	%100
60	M35	Z	0	0	0	%100
61	M36	X	.665	.665	0	0
62	M36	Z	0	0	0	0
63	MP5A	X	.526	.526	0	%100
64	MP5A	Z	0	0	0	%100
65	MP3A	X	.526	.526	0	%100
66	MP3A	Z	0	0	0	%100
67	MP1A	X	.526	.526	0	%100
68	MP1A	Z	0	0	0	%100
69	M52	X	.514	.514	0	%100
70	M52	Z	0	0	0	%100
71	M53	X	.308	.308	0	%100
72	M53	Z	0	0	0	%100
73	M54	X	.308	.308	0	%100
74	M54	Z	0	0	0	%100
75	MP4A	X	.526	.526	0	%100
76	MP4A	Z	0	0	0	%100
77	MP2A	X	.526	.526	0	%100
78	MP2A	Z	0	0	0	%100
79	M53A	X	.665	.665	0	1.2
80	M53A	Z	0	0	0	1.2
81	M54A	X	.665	.665	0	1.2
82	M54A	Z	0	0	0	1.2
83	M55	X	.665	.665	0	4.8
84	M55	Z	0	0	0	4.8
85	M56	X	.665	.665	0	4.8
86	M56	Z	0	0	0	4.8

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	M3	X	.144	.144	0	%100
2	M3	Z	.083	.083	0	%100
3	M5	X	.067	.067	0	%100
4	M5	Z	.039	.039	0	%100
5	M6	X	.005	.005	0	%100
6	M6	Z	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
7	M7	X	.114	.114	0	%100
8	M7	Z	.066	.066	0	%100
9	M8	X	.067	.067	0	%100
10	M8	Z	.039	.039	0	%100
11	M9	X	.005	.005	0	%100
12	M9	Z	.003	.003	0	%100
13	M10	X	.114	.114	0	%100
14	M10	Z	.066	.066	0	%100
15	M11	X	.427	.427	0	%100
16	M11	Z	.247	.247	0	%100
17	M12	X	.033	.033	0	%100
18	M12	Z	.019	.019	0	%100
19	M13	X	.427	.427	0	%100
20	M13	Z	.247	.247	0	%100
21	M14	X	.033	.033	0	%100
22	M14	Z	.019	.019	0	%100
23	M15	X	.451	.451	0	%100
24	M15	Z	.26	.26	0	%100
25	M17	X	.451	.451	0	%100
26	M17	Z	.26	.26	0	%100
27	M19	X	.457	.457	0	0
28	M19	Z	.264	.264	0	0
29	M20	X	.451	.451	0	%100
30	M20	Z	.26	.26	0	%100
31	M21	X	.451	.451	0	%100
32	M21	Z	.26	.26	0	%100
33	M22	X	.306	.306	0	%100
34	M22	Z	.177	.177	0	%100
35	M23	X	.306	.306	0	%100
36	M23	Z	.177	.177	0	%100
37	M24	X	.348	.348	0	%100
38	M24	Z	.201	.201	0	%100
39	M25	X	.457	.457	0	0
40	M25	Z	.264	.264	0	0
41	M26	X	.451	.451	0	%100
42	M26	Z	.26	.26	0	%100
43	M27	X	.312	.312	0	%100
44	M27	Z	.18	.18	0	%100
45	M28	X	.451	.451	0	%100
46	M28	Z	.26	.26	0	%100
47	M29	X	.312	.312	0	%100
48	M29	Z	.18	.18	0	%100
49	M30	X	.457	.457	0	0
50	M30	Z	.264	.264	0	0
51	M31	X	.451	.451	0	%100
52	M31	Z	.26	.26	0	%100
53	M32	X	.451	.451	0	%100
54	M32	Z	.26	.26	0	%100
55	M33	X	.306	.306	0	%100
56	M33	Z	.177	.177	0	%100
57	M34	X	.306	.306	0	%100
58	M34	Z	.177	.177	0	%100
59	M35	X	.348	.348	0	%100
60	M35	Z	.201	.201	0	%100
61	M36	X	.457	.457	0	0
62	M36	Z	.264	.264	0	0
63	MP5A	X	.456	.456	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
64	MP5A	Z	.263	.263	0	%100
65	MP3A	X	.456	.456	0	%100
66	MP3A	Z	.263	.263	0	%100
67	MP1A	X	.456	.456	0	%100
68	MP1A	Z	.263	.263	0	%100
69	M52	X	.396	.396	0	%100
70	M52	Z	.228	.228	0	%100
71	M53	X	.22	.22	0	%100
72	M53	Z	.127	.127	0	%100
73	M54	X	.22	.22	0	%100
74	M54	Z	.127	.127	0	%100
75	MP4A	X	.456	.456	0	%100
76	MP4A	Z	.263	.263	0	%100
77	MP2A	X	.456	.456	0	%100
78	MP2A	Z	.263	.263	0	%100
79	M53A	X	.457	.457	0	1.2
80	M53A	Z	.264	.264	0	1.2
81	M54A	X	.457	.457	0	1.2
82	M54A	Z	.264	.264	0	1.2
83	M55	X	.457	.457	0	4.8
84	M55	Z	.264	.264	0	4.8
85	M56	X	.457	.457	0	4.8
86	M56	Z	.264	.264	0	4.8

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	M3	X	.249	.249	0	%100
2	M3	Z	.432	.432	0	%100
3	M5	X	.039	.039	0	%100
4	M5	Z	.067	.067	0	%100
5	M6	X	.003	.003	0	%100
6	M6	Z	.004	.004	0	%100
7	M7	X	.197	.197	0	%100
8	M7	Z	.342	.342	0	%100
9	M8	X	.039	.039	0	%100
10	M8	Z	.067	.067	0	%100
11	M9	X	.003	.003	0	%100
12	M9	Z	.004	.004	0	%100
13	M10	X	.197	.197	0	%100
14	M10	Z	.342	.342	0	%100
15	M11	X	.244	.244	0	%100
16	M11	Z	.423	.423	0	%100
17	M12	X	.016	.016	0	%100
18	M12	Z	.028	.028	0	%100
19	M13	X	.244	.244	0	%100
20	M13	Z	.423	.423	0	%100
21	M14	X	.016	.016	0	%100
22	M14	Z	.028	.028	0	%100
23	M15	X	.116	.116	0	%100
24	M15	Z	.201	.201	0	%100
25	M17	X	.116	.116	0	%100
26	M17	Z	.201	.201	0	%100
27	M19	X	.127	.127	0	0
28	M19	Z	.22	.22	0	0
29	M20	X	.116	.116	0	%100
30	M20	Z	.201	.201	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
31	M21	X	.116	.116	0	%100
32	M21	Z	.201	.201	0	%100
33	M22	X	.177	.177	0	%100
34	M22	Z	.306	.306	0	%100
35	M23	X	.177	.177	0	%100
36	M23	Z	.306	.306	0	%100
37	M24	X	.201	.201	0	%100
38	M24	Z	.348	.348	0	%100
39	M25	X	.127	.127	0	0
40	M25	Z	.22	.22	0	0
41	M26	X	.116	.116	0	%100
42	M26	Z	.201	.201	0	%100
43	M27	X	.179	.179	0	%100
44	M27	Z	.311	.311	0	%100
45	M28	X	.116	.116	0	%100
46	M28	Z	.201	.201	0	%100
47	M29	X	.179	.179	0	%100
48	M29	Z	.311	.311	0	%100
49	M30	X	.127	.127	0	0
50	M30	Z	.22	.22	0	0
51	M31	X	.116	.116	0	%100
52	M31	Z	.201	.201	0	%100
53	M32	X	.116	.116	0	%100
54	M32	Z	.201	.201	0	%100
55	M33	X	.177	.177	0	%100
56	M33	Z	.306	.306	0	%100
57	M34	X	.177	.177	0	%100
58	M34	Z	.306	.306	0	%100
59	M35	X	.201	.201	0	%100
60	M35	Z	.348	.348	0	%100
61	M36	X	.127	.127	0	0
62	M36	Z	.22	.22	0	0
63	MP5A	X	.263	.263	0	%100
64	MP5A	Z	.456	.456	0	%100
65	MP3A	X	.263	.263	0	%100
66	MP3A	Z	.456	.456	0	%100
67	MP1A	X	.263	.263	0	%100
68	MP1A	Z	.456	.456	0	%100
69	M52	X	.103	.103	0	%100
70	M52	Z	.178	.178	0	%100
71	M53	X	.126	.126	0	%100
72	M53	Z	.219	.219	0	%100
73	M54	X	.126	.126	0	%100
74	M54	Z	.219	.219	0	%100
75	MP4A	X	.263	.263	0	%100
76	MP4A	Z	.456	.456	0	%100
77	MP2A	X	.263	.263	0	%100
78	MP2A	Z	.456	.456	0	%100
79	M53A	X	.127	.127	0	1.2
80	M53A	Z	.22	.22	0	1.2
81	M54A	X	.127	.127	0	1.2
82	M54A	Z	.22	.22	0	1.2
83	M55	X	.127	.127	0	4.8
84	M55	Z	.22	.22	0	4.8
85	M56	X	.127	.127	0	4.8
86	M56	Z	.22	.22	0	4.8

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	M3	X	0	0	0	%100
2	M3	Z	.665	.665	0	%100
3	M5	X	0	0	0	%100
4	M5	Z	.041	.041	0	%100
5	M6	X	0	0	0	%100
6	M6	Z	.041	.041	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	.526	.526	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	.041	.041	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	.041	.041	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	.526	.526	0	%100
15	M11	X	0	0	0	%100
16	M11	Z	.258	.258	0	%100
17	M12	X	0	0	0	%100
18	M12	Z	.258	.258	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	.258	.258	0	%100
21	M14	X	0	0	0	%100
22	M14	Z	.258	.258	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	.088	.088	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	.088	.088	0	%100
27	M19	X	0	0	0	0
28	M19	Z	.118	.118	0	0
29	M20	X	0	0	0	%100
30	M20	Z	.088	.088	0	%100
31	M21	X	0	0	0	%100
32	M21	Z	.088	.088	0	%100
33	M22	X	0	0	0	%100
34	M22	Z	.353	.353	0	%100
35	M23	X	0	0	0	%100
36	M23	Z	.353	.353	0	%100
37	M24	X	0	0	0	%100
38	M24	Z	.402	.402	0	%100
39	M25	X	0	0	0	0
40	M25	Z	.118	.118	0	0
41	M26	X	0	0	0	%100
42	M26	Z	.088	.088	0	%100
43	M27	X	0	0	0	%100
44	M27	Z	.305	.305	0	%100
45	M28	X	0	0	0	%100
46	M28	Z	.088	.088	0	%100
47	M29	X	0	0	0	%100
48	M29	Z	.305	.305	0	%100
49	M30	X	0	0	0	0
50	M30	Z	.118	.118	0	0
51	M31	X	0	0	0	%100
52	M31	Z	.088	.088	0	%100
53	M32	X	0	0	0	%100
54	M32	Z	.088	.088	0	%100
55	M33	X	0	0	0	%100
56	M33	Z	.353	.353	0	%100
57	M34	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
58	M34	Z	.353	.353	0	%100
59	M35	X	0	0	0	%100
60	M35	Z	.402	.402	0	%100
61	M36	X	0	0	0	0
62	M36	Z	.118	.118	0	0
63	MP5A	X	0	0	0	%100
64	MP5A	Z	.526	.526	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	.526	.526	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	.526	.526	0	%100
69	M52	X	0	0	0	%100
70	M52	Z	.012	.012	0	%100
71	M53	X	0	0	0	%100
72	M53	Z	.305	.305	0	%100
73	M54	X	0	0	0	%100
74	M54	Z	.305	.305	0	%100
75	MP4A	X	0	0	0	%100
76	MP4A	Z	.526	.526	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	.526	.526	0	%100
79	M53A	X	0	0	0	1.2
80	M53A	Z	.118	.118	0	1.2
81	M54A	X	0	0	0	1.2
82	M54A	Z	.118	.118	0	1.2
83	M55	X	0	0	0	4.8
84	M55	Z	.118	.118	0	4.8
85	M56	X	0	0	0	4.8
86	M56	Z	.118	.118	0	4.8

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	M3	X	-.249	-.249	0	%100
2	M3	Z	.432	.432	0	%100
3	M5	X	-.003	-.003	0	%100
4	M5	Z	.004	.004	0	%100
5	M6	X	-.039	-.039	0	%100
6	M6	Z	.067	.067	0	%100
7	M7	X	-.197	-.197	0	%100
8	M7	Z	.342	.342	0	%100
9	M8	X	-.003	-.003	0	%100
10	M8	Z	.004	.004	0	%100
11	M9	X	-.039	-.039	0	%100
12	M9	Z	.067	.067	0	%100
13	M10	X	-.197	-.197	0	%100
14	M10	Z	.342	.342	0	%100
15	M11	X	-.016	-.016	0	%100
16	M11	Z	.028	.028	0	%100
17	M12	X	-.244	-.244	0	%100
18	M12	Z	.423	.423	0	%100
19	M13	X	-.016	-.016	0	%100
20	M13	Z	.028	.028	0	%100
21	M14	X	-.244	-.244	0	%100
22	M14	Z	.423	.423	0	%100
23	M15	X	-.116	-.116	0	%100
24	M15	Z	.201	.201	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
25	M17	X	-.116	-.116	0	%100
26	M17	Z	.201	.201	0	%100
27	M19	X	-.127	-.127	0	0
28	M19	Z	.22	.22	0	0
29	M20	X	-.116	-.116	0	%100
30	M20	Z	.201	.201	0	%100
31	M21	X	-.116	-.116	0	%100
32	M21	Z	.201	.201	0	%100
33	M22	X	-.177	-.177	0	%100
34	M22	Z	.306	.306	0	%100
35	M23	X	-.177	-.177	0	%100
36	M23	Z	.306	.306	0	%100
37	M24	X	-.201	-.201	0	%100
38	M24	Z	.348	.348	0	%100
39	M25	X	-.127	-.127	0	0
40	M25	Z	.22	.22	0	0
41	M26	X	-.116	-.116	0	%100
42	M26	Z	.201	.201	0	%100
43	M27	X	-.126	-.126	0	%100
44	M27	Z	.219	.219	0	%100
45	M28	X	-.116	-.116	0	%100
46	M28	Z	.201	.201	0	%100
47	M29	X	-.126	-.126	0	%100
48	M29	Z	.219	.219	0	%100
49	M30	X	-.127	-.127	0	0
50	M30	Z	.22	.22	0	0
51	M31	X	-.116	-.116	0	%100
52	M31	Z	.201	.201	0	%100
53	M32	X	-.116	-.116	0	%100
54	M32	Z	.201	.201	0	%100
55	M33	X	-.177	-.177	0	%100
56	M33	Z	.306	.306	0	%100
57	M34	X	-.177	-.177	0	%100
58	M34	Z	.306	.306	0	%100
59	M35	X	-.201	-.201	0	%100
60	M35	Z	.348	.348	0	%100
61	M36	X	-.127	-.127	0	0
62	M36	Z	.22	.22	0	0
63	MP5A	X	-.263	-.263	0	%100
64	MP5A	Z	.456	.456	0	%100
65	MP3A	X	-.263	-.263	0	%100
66	MP3A	Z	.456	.456	0	%100
67	MP1A	X	-.263	-.263	0	%100
68	MP1A	Z	.456	.456	0	%100
69	M52	X	-.035	-.035	0	%100
70	M52	Z	.06	.06	0	%100
71	M53	X	-.179	-.179	0	%100
72	M53	Z	.311	.311	0	%100
73	M54	X	-.179	-.179	0	%100
74	M54	Z	.311	.311	0	%100
75	MP4A	X	-.263	-.263	0	%100
76	MP4A	Z	.456	.456	0	%100
77	MP2A	X	-.263	-.263	0	%100
78	MP2A	Z	.456	.456	0	%100
79	M53A	X	-.127	-.127	0	1.2
80	M53A	Z	.22	.22	0	1.2
81	M54A	X	-.127	-.127	0	1.2

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
82	M54A	Z	.22	.22	0	1.2
83	M55	X	-.127	-.127	0	4.8
84	M55	Z	.22	.22	0	4.8
85	M56	X	-.127	-.127	0	4.8
86	M56	Z	.22	.22	0	4.8

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	M3	X	-.144	-.144	0	%100
2	M3	Z	.083	.083	0	%100
3	M5	X	-.005	-.005	0	%100
4	M5	Z	.003	.003	0	%100
5	M6	X	-.067	-.067	0	%100
6	M6	Z	.039	.039	0	%100
7	M7	X	-.114	-.114	0	%100
8	M7	Z	.066	.066	0	%100
9	M8	X	-.005	-.005	0	%100
10	M8	Z	.003	.003	0	%100
11	M9	X	-.067	-.067	0	%100
12	M9	Z	.039	.039	0	%100
13	M10	X	-.114	-.114	0	%100
14	M10	Z	.066	.066	0	%100
15	M11	X	-.033	-.033	0	%100
16	M11	Z	.019	.019	0	%100
17	M12	X	-.427	-.427	0	%100
18	M12	Z	.247	.247	0	%100
19	M13	X	-.033	-.033	0	%100
20	M13	Z	.019	.019	0	%100
21	M14	X	-.427	-.427	0	%100
22	M14	Z	.247	.247	0	%100
23	M15	X	-.451	-.451	0	%100
24	M15	Z	.26	.26	0	%100
25	M17	X	-.451	-.451	0	%100
26	M17	Z	.26	.26	0	%100
27	M19	X	-.457	-.457	0	0
28	M19	Z	.264	.264	0	0
29	M20	X	-.451	-.451	0	%100
30	M20	Z	.26	.26	0	%100
31	M21	X	-.451	-.451	0	%100
32	M21	Z	.26	.26	0	%100
33	M22	X	-.306	-.306	0	%100
34	M22	Z	.177	.177	0	%100
35	M23	X	-.306	-.306	0	%100
36	M23	Z	.177	.177	0	%100
37	M24	X	-.348	-.348	0	%100
38	M24	Z	.201	.201	0	%100
39	M25	X	-.457	-.457	0	0
40	M25	Z	.264	.264	0	0
41	M26	X	-.451	-.451	0	%100
42	M26	Z	.26	.26	0	%100
43	M27	X	-.22	-.22	0	%100
44	M27	Z	.127	.127	0	%100
45	M28	X	-.451	-.451	0	%100
46	M28	Z	.26	.26	0	%100
47	M29	X	-.22	-.22	0	%100
48	M29	Z	.127	.127	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
49	M30	X	-.457	-.457	0	0
50	M30	Z	.264	.264	0	0
51	M31	X	-.451	-.451	0	%100
52	M31	Z	.26	.26	0	%100
53	M32	X	-.451	-.451	0	%100
54	M32	Z	.26	.26	0	%100
55	M33	X	-.306	-.306	0	%100
56	M33	Z	.177	.177	0	%100
57	M34	X	-.306	-.306	0	%100
58	M34	Z	.177	.177	0	%100
59	M35	X	-.348	-.348	0	%100
60	M35	Z	.201	.201	0	%100
61	M36	X	-.457	-.457	0	0
62	M36	Z	.264	.264	0	0
63	MP5A	X	-.456	-.456	0	%100
64	MP5A	Z	.263	.263	0	%100
65	MP3A	X	-.456	-.456	0	%100
66	MP3A	Z	.263	.263	0	%100
67	MP1A	X	-.456	-.456	0	%100
68	MP1A	Z	.263	.263	0	%100
69	M52	X	-.277	-.277	0	%100
70	M52	Z	.16	.16	0	%100
71	M53	X	-.312	-.312	0	%100
72	M53	Z	.18	.18	0	%100
73	M54	X	-.312	-.312	0	%100
74	M54	Z	.18	.18	0	%100
75	MP4A	X	-.456	-.456	0	%100
76	MP4A	Z	.263	.263	0	%100
77	MP2A	X	-.456	-.456	0	%100
78	MP2A	Z	.263	.263	0	%100
79	M53A	X	-.457	-.457	0	1.2
80	M53A	Z	.264	.264	0	1.2
81	M54A	X	-.457	-.457	0	1.2
82	M54A	Z	.264	.264	0	1.2
83	M55	X	-.457	-.457	0	4.8
84	M55	Z	.264	.264	0	4.8
85	M56	X	-.457	-.457	0	4.8
86	M56	Z	.264	.264	0	4.8

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	M3	X	0	0	0	%100
2	M3	Z	0	0	0	%100
3	M5	X	-.042	-.042	0	%100
4	M5	Z	0	0	0	%100
5	M6	X	-.042	-.042	0	%100
6	M6	Z	0	0	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M8	X	-.042	-.042	0	%100
10	M8	Z	0	0	0	%100
11	M9	X	-.042	-.042	0	%100
12	M9	Z	0	0	0	%100
13	M10	X	0	0	0	%100
14	M10	Z	0	0	0	%100
15	M11	X	-.268	-.268	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
16	M11	Z	0	0	0	%100
17	M12	X	-.268	-.268	0	%100
18	M12	Z	0	0	0	%100
19	M13	X	-.268	-.268	0	%100
20	M13	Z	0	0	0	%100
21	M14	X	-.268	-.268	0	%100
22	M14	Z	0	0	0	%100
23	M15	X	-.665	-.665	0	%100
24	M15	Z	0	0	0	%100
25	M17	X	-.665	-.665	0	%100
26	M17	Z	0	0	0	%100
27	M19	X	-.665	-.665	0	0
28	M19	Z	0	0	0	0
29	M20	X	-.665	-.665	0	%100
30	M20	Z	0	0	0	%100
31	M21	X	-.665	-.665	0	%100
32	M21	Z	0	0	0	%100
33	M22	X	-.353	-.353	0	%100
34	M22	Z	0	0	0	%100
35	M23	X	-.353	-.353	0	%100
36	M23	Z	0	0	0	%100
37	M24	X	-.402	-.402	0	%100
38	M24	Z	0	0	0	%100
39	M25	X	-.665	-.665	0	0
40	M25	Z	0	0	0	0
41	M26	X	-.665	-.665	0	%100
42	M26	Z	0	0	0	%100
43	M27	X	-.308	-.308	0	%100
44	M27	Z	0	0	0	%100
45	M28	X	-.665	-.665	0	%100
46	M28	Z	0	0	0	%100
47	M29	X	-.308	-.308	0	%100
48	M29	Z	0	0	0	%100
49	M30	X	-.665	-.665	0	0
50	M30	Z	0	0	0	0
51	M31	X	-.665	-.665	0	%100
52	M31	Z	0	0	0	%100
53	M32	X	-.665	-.665	0	%100
54	M32	Z	0	0	0	%100
55	M33	X	-.353	-.353	0	%100
56	M33	Z	0	0	0	%100
57	M34	X	-.353	-.353	0	%100
58	M34	Z	0	0	0	%100
59	M35	X	-.402	-.402	0	%100
60	M35	Z	0	0	0	%100
61	M36	X	-.665	-.665	0	0
62	M36	Z	0	0	0	0
63	MP5A	X	-.526	-.526	0	%100
64	MP5A	Z	0	0	0	%100
65	MP3A	X	-.526	-.526	0	%100
66	MP3A	Z	0	0	0	%100
67	MP1A	X	-.526	-.526	0	%100
68	MP1A	Z	0	0	0	%100
69	M52	X	-.514	-.514	0	%100
70	M52	Z	0	0	0	%100
71	M53	X	-.308	-.308	0	%100
72	M53	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
73	M54	X	-.308	-.308	0	%100
74	M54	Z	0	0	0	%100
75	MP4A	X	-.526	-.526	0	%100
76	MP4A	Z	0	0	0	%100
77	MP2A	X	-.526	-.526	0	%100
78	MP2A	Z	0	0	0	%100
79	M53A	X	-.665	-.665	0	1.2
80	M53A	Z	0	0	0	1.2
81	M54A	X	-.665	-.665	0	1.2
82	M54A	Z	0	0	0	1.2
83	M55	X	-.665	-.665	0	4.8
84	M55	Z	0	0	0	4.8
85	M56	X	-.665	-.665	0	4.8
86	M56	Z	0	0	0	4.8

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	M3	X	-.144	-.144	0	%100
2	M3	Z	-.083	-.083	0	%100
3	M5	X	-.067	-.067	0	%100
4	M5	Z	-.039	-.039	0	%100
5	M6	X	-.005	-.005	0	%100
6	M6	Z	-.003	-.003	0	%100
7	M7	X	-.114	-.114	0	%100
8	M7	Z	-.066	-.066	0	%100
9	M8	X	-.067	-.067	0	%100
10	M8	Z	-.039	-.039	0	%100
11	M9	X	-.005	-.005	0	%100
12	M9	Z	-.003	-.003	0	%100
13	M10	X	-.114	-.114	0	%100
14	M10	Z	-.066	-.066	0	%100
15	M11	X	-.427	-.427	0	%100
16	M11	Z	-.247	-.247	0	%100
17	M12	X	-.033	-.033	0	%100
18	M12	Z	-.019	-.019	0	%100
19	M13	X	-.427	-.427	0	%100
20	M13	Z	-.247	-.247	0	%100
21	M14	X	-.033	-.033	0	%100
22	M14	Z	-.019	-.019	0	%100
23	M15	X	-.451	-.451	0	%100
24	M15	Z	-.26	-.26	0	%100
25	M17	X	-.451	-.451	0	%100
26	M17	Z	-.26	-.26	0	%100
27	M19	X	-.457	-.457	0	0
28	M19	Z	-.264	-.264	0	0
29	M20	X	-.451	-.451	0	%100
30	M20	Z	-.26	-.26	0	%100
31	M21	X	-.451	-.451	0	%100
32	M21	Z	-.26	-.26	0	%100
33	M22	X	-.306	-.306	0	%100
34	M22	Z	-.177	-.177	0	%100
35	M23	X	-.306	-.306	0	%100
36	M23	Z	-.177	-.177	0	%100
37	M24	X	-.348	-.348	0	%100
38	M24	Z	-.201	-.201	0	%100
39	M25	X	-.457	-.457	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
40	M25	Z	-.264	-.264	0	0
41	M26	X	-.451	-.451	0	%100
42	M26	Z	-.26	-.26	0	%100
43	M27	X	-.312	-.312	0	%100
44	M27	Z	-.18	-.18	0	%100
45	M28	X	-.451	-.451	0	%100
46	M28	Z	-.26	-.26	0	%100
47	M29	X	-.312	-.312	0	%100
48	M29	Z	-.18	-.18	0	%100
49	M30	X	-.457	-.457	0	0
50	M30	Z	-.264	-.264	0	0
51	M31	X	-.451	-.451	0	%100
52	M31	Z	-.26	-.26	0	%100
53	M32	X	-.451	-.451	0	%100
54	M32	Z	-.26	-.26	0	%100
55	M33	X	-.306	-.306	0	%100
56	M33	Z	-.177	-.177	0	%100
57	M34	X	-.306	-.306	0	%100
58	M34	Z	-.177	-.177	0	%100
59	M35	X	-.348	-.348	0	%100
60	M35	Z	-.201	-.201	0	%100
61	M36	X	-.457	-.457	0	0
62	M36	Z	-.264	-.264	0	0
63	MP5A	X	-.456	-.456	0	%100
64	MP5A	Z	-.263	-.263	0	%100
65	MP3A	X	-.456	-.456	0	%100
66	MP3A	Z	-.263	-.263	0	%100
67	MP1A	X	-.456	-.456	0	%100
68	MP1A	Z	-.263	-.263	0	%100
69	M52	X	-.396	-.396	0	%100
70	M52	Z	-.228	-.228	0	%100
71	M53	X	-.22	-.22	0	%100
72	M53	Z	-.127	-.127	0	%100
73	M54	X	-.22	-.22	0	%100
74	M54	Z	-.127	-.127	0	%100
75	MP4A	X	-.456	-.456	0	%100
76	MP4A	Z	-.263	-.263	0	%100
77	MP2A	X	-.456	-.456	0	%100
78	MP2A	Z	-.263	-.263	0	%100
79	M53A	X	-.457	-.457	0	1.2
80	M53A	Z	-.264	-.264	0	1.2
81	M54A	X	-.457	-.457	0	1.2
82	M54A	Z	-.264	-.264	0	1.2
83	M55	X	-.457	-.457	0	4.8
84	M55	Z	-.264	-.264	0	4.8
85	M56	X	-.457	-.457	0	4.8
86	M56	Z	-.264	-.264	0	4.8

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	M3	X	-.249	-.249	0	%100
2	M3	Z	-.432	-.432	0	%100
3	M5	X	-.039	-.039	0	%100
4	M5	Z	-.067	-.067	0	%100
5	M6	X	-.003	-.003	0	%100
6	M6	Z	-.004	-.004	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
7	M7	X	-.197	-.197	0	%100
8	M7	Z	-.342	-.342	0	%100
9	M8	X	-.039	-.039	0	%100
10	M8	Z	-.067	-.067	0	%100
11	M9	X	-.003	-.003	0	%100
12	M9	Z	-.004	-.004	0	%100
13	M10	X	-.197	-.197	0	%100
14	M10	Z	-.342	-.342	0	%100
15	M11	X	-.244	-.244	0	%100
16	M11	Z	-.423	-.423	0	%100
17	M12	X	-.016	-.016	0	%100
18	M12	Z	-.028	-.028	0	%100
19	M13	X	-.244	-.244	0	%100
20	M13	Z	-.423	-.423	0	%100
21	M14	X	-.016	-.016	0	%100
22	M14	Z	-.028	-.028	0	%100
23	M15	X	-.116	-.116	0	%100
24	M15	Z	-.201	-.201	0	%100
25	M17	X	-.116	-.116	0	%100
26	M17	Z	-.201	-.201	0	%100
27	M19	X	-.127	-.127	0	0
28	M19	Z	-.22	-.22	0	0
29	M20	X	-.116	-.116	0	%100
30	M20	Z	-.201	-.201	0	%100
31	M21	X	-.116	-.116	0	%100
32	M21	Z	-.201	-.201	0	%100
33	M22	X	-.177	-.177	0	%100
34	M22	Z	-.306	-.306	0	%100
35	M23	X	-.177	-.177	0	%100
36	M23	Z	-.306	-.306	0	%100
37	M24	X	-.201	-.201	0	%100
38	M24	Z	-.348	-.348	0	%100
39	M25	X	-.127	-.127	0	0
40	M25	Z	-.22	-.22	0	0
41	M26	X	-.116	-.116	0	%100
42	M26	Z	-.201	-.201	0	%100
43	M27	X	-.179	-.179	0	%100
44	M27	Z	-.311	-.311	0	%100
45	M28	X	-.116	-.116	0	%100
46	M28	Z	-.201	-.201	0	%100
47	M29	X	-.179	-.179	0	%100
48	M29	Z	-.311	-.311	0	%100
49	M30	X	-.127	-.127	0	0
50	M30	Z	-.22	-.22	0	0
51	M31	X	-.116	-.116	0	%100
52	M31	Z	-.201	-.201	0	%100
53	M32	X	-.116	-.116	0	%100
54	M32	Z	-.201	-.201	0	%100
55	M33	X	-.177	-.177	0	%100
56	M33	Z	-.306	-.306	0	%100
57	M34	X	-.177	-.177	0	%100
58	M34	Z	-.306	-.306	0	%100
59	M35	X	-.201	-.201	0	%100
60	M35	Z	-.348	-.348	0	%100
61	M36	X	-.127	-.127	0	0
62	M36	Z	-.22	-.22	0	0
63	MP5A	X	-.263	-.263	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
64	MP5A	Z	-.456	-.456	0	%100
65	MP3A	X	-.263	-.263	0	%100
66	MP3A	Z	-.456	-.456	0	%100
67	MP1A	X	-.263	-.263	0	%100
68	MP1A	Z	-.456	-.456	0	%100
69	M52	X	-.103	-.103	0	%100
70	M52	Z	-.178	-.178	0	%100
71	M53	X	-.126	-.126	0	%100
72	M53	Z	-.219	-.219	0	%100
73	M54	X	-.126	-.126	0	%100
74	M54	Z	-.219	-.219	0	%100
75	MP4A	X	-.263	-.263	0	%100
76	MP4A	Z	-.456	-.456	0	%100
77	MP2A	X	-.263	-.263	0	%100
78	MP2A	Z	-.456	-.456	0	%100
79	M53A	X	-.127	-.127	0	1.2
80	M53A	Z	-.22	-.22	0	1.2
81	M54A	X	-.127	-.127	0	1.2
82	M54A	Z	-.22	-.22	0	1.2
83	M55	X	-.127	-.127	0	4.8
84	M55	Z	-.22	-.22	0	4.8
85	M56	X	-.127	-.127	0	4.8
86	M56	Z	-.22	-.22	0	4.8

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	N4	max	978.396	10	1697.349	19	236.215	12	-.117	67	0	75	.048	4
2		min	-942.772	4	370.438	65	-4214.7	18	-.53	23	0	1	-.072	49
3	N65	max	759.115	46	1521.698	15	4206.578	24	-.107	74	0	75	.041	40
4		min	-844.95	49	342.175	74	-138.721	5	-.481	18	0	1	-.07	49
5	N80A	max	276.472	10	40.093	24	1581.754	4	0	75	0	75	0	75
6		min	-272.847	4	2.438	49	-1586.326	10	0	1	0	1	0	1
7	Totals:	max	1610.167	10	3256.037	16	2026.973	1						
8		min	-1610.17	4	721.319	73	-2026.978	7						

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

	Member	Shape	Code C...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M3	L4X3X6	.000	3.375	18	.000	3.375	z	24	111130.9...	112050	3.731	9.809	1....	H2-1
2	M5	PL3/8X3	.627	0	20	.074	0	y	49	34985.705	36450	.284	2.279	1....	H1-1b
3	M6	PL3/8X3	.652	0	17	.153	3	y	10	34985.705	36450	.284	2.279	1....	H1-1b
4	M7	PIPE_2.0	.357	94	7	.123	44		20	3842.421	45900	2.674	2.674	1....	H1-1b
5	M8	PL3/8X3	.579	0	23	.104	0	y	5	34985.705	36450	.284	2.279	1....	H1-1b
6	M9	PL3/8X3	.578	0	24	.112	0	y	49	34985.705	36450	.284	2.279	1....	H1-1b
7	M10	PIPE_2.0	.319	148	4	.122	44		21	3842.421	45900	2.674	2.674	1....	H1-1a
8	M11	PIPE_2.0	.206	5.937	21	.072	64.57		20	25094.071	45900	2.674	2.674	2....	H1-1b
9	M12	PIPE_2.0	.211	5.937	17	.088	64.57		4	25094.071	45900	2.674	2.674	2....	H1-1b
10	M13	PIPE_2.0	.229	6.68	23	.073	64.57		22	25094.071	45900	2.674	2.674	2.3	H1-1b
11	M14	PIPE_2.0	.230	6.68	24	.176	64.57		10	25094.071	45900	2.674	2.674	2....	H1-1b

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

	Member	Shape	Code C...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
12	M15	PL3/8X3	.063	0	21	.055	0	y	10	36078.278	36450	.284	2.279	1....	H1-1b
13	M17	PL3/8X3	.063	0	41	.039	0	y	10	36078.278	36450	.284	2.279	1....	H1-1b
14	M20	PL3/8X3	.059	1.5	15	.055	1.5	y	10	36078.278	36450	.284	2.279	1....	H1-1b
15	M21	PL3/8X3	.103	1.5	4	.039	1.5	y	10	36078.278	36450	.284	2.279	1....	H1-1b
16	M22	HSS1.500x.06	.118	38	15	.029	0		9	8446.286	12701.34	.485	.485	1....	H1-1b*
17	M23	HSS1.500x.06	.235	38	16	.022	38		9	8446.286	12701.34	.485	.485	1....	H1-1a
18	M24	PIPE_2.0	.362	6.646	10	.085	6.344		4	41530.616	45900	2.674	2.674	1....	H1-1b
19	M25	PL3/8X3	.346	4.8	4	.027	0	y	2	32817.981	36450	.284	2.279	1....	H1-1b
20	M26	PL3/8X3	.050	0	17	.048	0	y	10	36078.278	36450	.284	2.279	1....	H1-1b
21	M27	HSS1.500x.06	.124	25.11	24	.015	0		11	6228.614	12701.34	.485	.485	1....	H1-1b
22	M28	PL3/8X3	.098	0	20	.030	0	y	10	36078.278	36450	.284	2.279	1....	H1-1b
23	M29	HSS1.500x.06	.093	25.11	13	.016	50.22		12	6228.614	12701.34	.485	.485	1....	H1-1b
24	M31	PL3/8X3	.044	1.5	13	.048	1.5	y	10	36078.278	36450	.284	2.279	1....	H1-1b
25	M32	PL3/8X3	.099	1.5	22	.030	1.5	y	10	36078.278	36450	.284	2.279	1....	H1-1b
26	M33	HSS1.500x.06	.116	38	22	.025	38		10	8446.286	12701.34	.485	.485	1....	H1-1b*
27	M34	HSS1.500x.06	.237	38	22	.018	38		10	8446.286	12701.34	.485	.485	1....	H1-1a
28	M35	PIPE_2.0	.017	0	21	.004	29		8	41530.616	45900	2.674	2.674	1....	H1-1b*
29	M36	PL3/8X3	.103	4.8	21	.036	4.8	y	8	32817.981	36450	.284	2.279	1.6	H1-1b
30	MP5A	PIPE_2.0	.174	55.5	49	.040	15		10	20866.733	32130	1.872	1.872	1....	H1-1b
31	MP3A	PIPE_2.0	.226	55.5	10	.125	55.5		10	20866.733	32130	1.872	1.872	1....	H1-1b
32	MP1A	PIPE_2.0	.120	15	16	.040	15		10	20866.733	32130	1.872	1.872	1....	H1-1b
33	M52	PIPE_2.0	.102	92.829	4	.007	0		16	15678.62	32130	1.872	1.872	2....	H1-1b*
34	M53	HSS1.500x.06	.126	25.11	14	.026	0		9	6228.614	12701.34	.485	.485	1....	H1-1b
35	M54	HSS1.500x.06	.098	25.11	13	.015	50.22		7	6228.614	12701.34	.485	.485	1....	H1-1b
36	MP4A	PIPE_2.0	.143	56.25	49	.027	15.75		17	20866.733	32130	1.872	1.872	1....	H1-1b
37	MP2A	PIPE_2.0	.233	80	28	.058	39		7	14916.096	32130	1.872	1.872	1....	H1-1b
38	M55	PL3/8X3	.791	4.8	4	.055	0	y	4	32817.981	36450	.284	2.279	1....	H1-1b
39	M56	PL3/8X3	.102	0	22	.036	0	y	8	32817.981	36450	.284	2.279	1....	H1-1b

VzW SMART Tool© Vendor

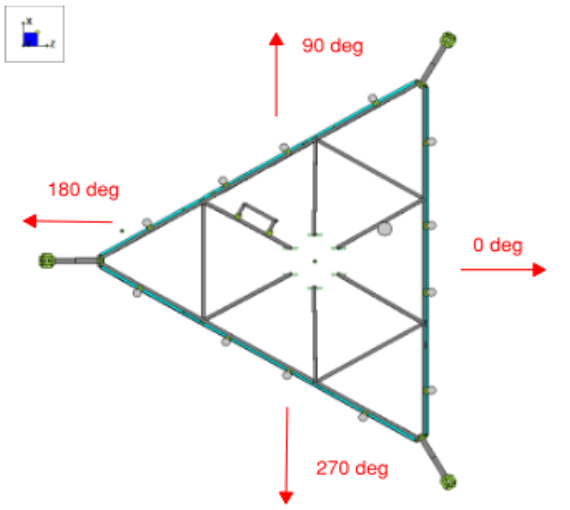
Client:	Verizon Wireless	Date:	7/11/2023
Site Name:	WESTFORD CT		
MDG #:	5000233331		
Fuze ID #:	17123855	Page:	1

Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required	Yes

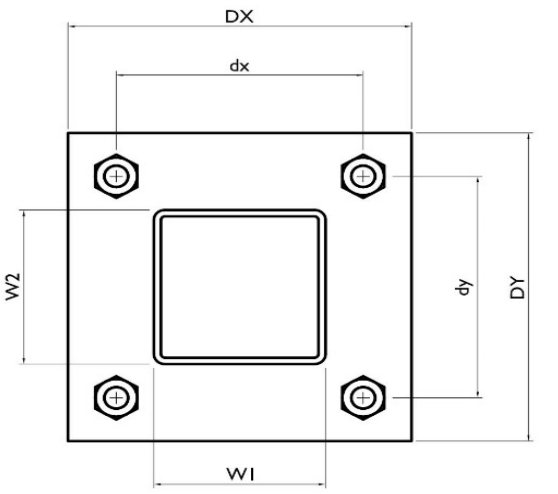
Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N4	0
N65	0



Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel

Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	3
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	2
Bolt Type:	A36
Bolt Diameter (in):	0.5
Required Tensile Strength / bolt (kips):	2.6
Required Shear Strength / bolt (kips):	0.4
Tensile Capacity / bolt (kips):	6.4
Shear Capacity / bolt (kips):	3.8
Bolt Overall Utilization:	**41.1%**

Tower Connection Baseplate Checks	No



Date: **January 22, 2024**

MORRISON HERSHFIELD

Morrison Hershfield
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
(770) 379-8500

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	5000233331
	Site Name:	Westford CT
Crown Castle Designation:	**BU Number:**	876345
	Site Name:	Sky Hill
	JDE Job Number:	751364
	Work Order Number:	2278854
	Order Number:	654602 Rev. 0
Engineering Firm Designation:	**Morrison Hershfield Project Number:** CN13-122 / 2400001	
Site Data:	**33 Janowski Road, Ashford, Windham County, CT 06278**	
	Latitude *41° 57' 7.7"*, Longitude *-72° 11' 43.9"*	
	192 Foot - Self Support Tower	

Morrison Hershfield is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity - 67.1%**

This analysis utilizes an ultimate 3-second gust wind speed of 118 mph as required by the 2022 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:

STATE OF CONNECTICUT
G. LANCE COOKE
No. 28133
LICENSED
PROFESSIONAL ENGINEER
EXP 1/31/2024

G. Lance Cooke, P.E. (CT License No. PEN.0028133)
Senior Engineer

G. Lance Cooke
2024.01.22
07:58:22-08'00'

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 192 ft self support tower designed by Rohn.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	118 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
182.0	184.0	1	symmetricom	58532A	8 1	1-5/8 1/2
	183.0	3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
	182.0	1	-	Sector Mount [SM 506-3]		
	181.0	6	antel	LPA-80080/4CF w/ Mount Pipe		
		6	commscope	JAHH-65B-R3B		
		2	commscope	RC3DC-3315-PF-48		
		4	kaelus	BSF0020F3V1		
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		
	179.0	3	samsung telecommunications	CBRS w/ Mount Pipe		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
191.0	196.0	2	nokia	FZHN	4 1	1-1/4 1/2
	195.0	3	alcatel lucent	RRH2X50-800		
		1	nokia	FZHN		
	194.0	3	commscope	NNVV-65B-R4 w/ Mount Pipe		
		3	rfs/celwave	APXVTM14-ALU-I20 w/ Mount Pipe		
	192.0	3	alcatel lucent	PCS 1900MHZ 4X45W 65MHZ		
		3	alcatel lucent	RRH2X50-800		
	191.0	1	-	Sector Mount [SM 504-3]		
172.0	174.0	3	allgon	7130.16.33.00	9	1-5/8
	173.0	6	allgon	7130.16.33.00		
	172.0	1	-	Sector Mount [SM 506-3]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
162.0	164.0	3	andrew	HBX-6516DS-VTM w/ Mount Pipe	6	1-5/8
	162.0	1	-	Sector Mount [SM 104-3]		
151.0	158.0	3	ericsson	AIR 6419 B41_TMO_CCIV2 w/ Mount Pipe	3 2 2	1-5/8 21/64 7/32
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	rfs/celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
	156.0	1	commscope	VHLP2-11W/A		
	151.0	1	-	Sector Mount [SM 503-3]		
147.0	147.0	1	raycap	DC6-48-60-0-8C-EV	2 2 2	7/8 3/4 3/8
		2	raycap	DC6-48-60-18-8F		
142.0	143.0	4	cci antennas	TPA65R-BU4D w/ Mount Pipe	12	7/8
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 4478 B14		
		3	ericsson	RRUS 8843 B2/B66A		
	142.0	2	commscope	NNHH-65B-R4 w/ Mount Pipe		
		3	powerwave technologies	7770.00 w/ Mount Pipe		
		2	powerwave technologies	TT19-08BP111-001		
	141.0	1	powerwave technologies	TT19-08BP111-001		
128.0	129.0	3	commscope	FFVV-65B-R2 w/ Mount Pipe	1	1-1/2
		1	raycap	RDIDC-9181-PF-48		
		3	samsung telecommunications	RF4450t-71A		
		3	samsung telecommunications	RF4451d-70A		
	128.0	1	-	Commscope MTC3975083 (3)		
99.0	102.0	1	symmetricom	58532A	1	1/2
	99.0	1	-	Side Arm Mount [SO 305-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	2189896	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	1631622	CCISITES
4-TOWER MANUFACTURER DRAWINGS	1631630	CCISITES

3.1) Analysis Method

tnxTower (version 8.2.2.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

3.2) Assumptions

1) Tower and structures were maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. Morrison Hershfield should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
T1	192 - 180	Leg	ROHN 2.5 STD	1	-8.83	66.74	13.2	Pass
T2	180 - 160	Leg	ROHN 2.5 STD	27	-30.36	60.00	50.6	Pass
T3	160 - 140	Leg	ROHN 3 EH	55	-59.17	99.05	59.7	Pass
T4	140 - 120	Leg	ROHN 4 EH	76	-92.35	167.89	55.0	Pass
T5	120 - 100	Leg	ROHN 5 EH	97	-125.17	251.35	49.8	Pass
T6	100 - 80	Leg	ROHN 6 EHS	118	-153.60	256.25	59.9	Pass
T7	80 - 60	Leg	ROHN 6 EH	133	-184.52	318.94	57.9	Pass
T8	60 - 40	Leg	ROHN 8 EHS	148	-213.74	405.67	52.7	Pass
T9	40 - 20	Leg	ROHN 8 EHS	163	-242.97	405.73	59.9	Pass
T10	20 - 0	Leg	ROHN 8 EHS	178	-272.23	405.72	67.1	Pass
T1	192 - 180	Diagonal	L1 3/4x1 3/4x3/16	12	-1.84	11.89	15.5 23.4 (b)	Pass
T2	180 - 160	Diagonal	L2x2x3/16	36	-3.30	10.39	31.8 39.3 (b)	Pass
T3	160 - 140	Diagonal	L2 1/2x2 1/2x1/4	63	-5.24	16.48	31.8 46.6 (b)	Pass
T4	140 - 120	Diagonal	L2 1/2x2 1/2x1/4	84	-6.35	12.59	50.4 56.9 (b)	Pass
T5	120 - 100	Diagonal	L3x3x1/4	102	-6.61	17.43	37.9 44.9 (b)	Pass
T6	100 - 80	Diagonal	L3 1/2x3 1/2x1/4	123	-7.72	19.02	40.6 51.7 (b)	Pass
T7	80 - 60	Diagonal	L4x4x1/4	138	-8.49	24.14	35.2 56.2 (b)	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
T8	60 - 40	Diagonal	L4x4x5/16	153	-8.16	24.92	32.7 44.0 (b)	Pass
T9	40 - 20	Diagonal	L4x4x5/16	168	-9.69	21.48	45.1 50.6 (b)	Pass
T10	20 - 0	Diagonal	L4x4x3/8	183	-10.09	21.93	46.0 49.1 (b)	Pass
T1	192 - 180	Top Girt	L1 3/4x1 3/4x3/16	5	-0.25	4.12	6.0	Pass
T2	180 - 160	Top Girt	L2x2x3/16	29	-0.53	6.24	8.4	Pass
							Summary	
						Leg (T10)	67.1	Pass
						Diagonal (T4)	56.9	Pass
						Top Girt (T2)	8.4	Pass
						Bolt Checks	56.9	Pass
						Rating =	67.1	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	37.9	Pass
1	Base Foundation (Structure)	0	11.8	Pass
1	Base Foundation (Soil Interaction)		39.7	Pass

Structure Rating (max from all components) =	67.1%*

Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed.
2) *Rating per TIA-222-H, Section 15.5

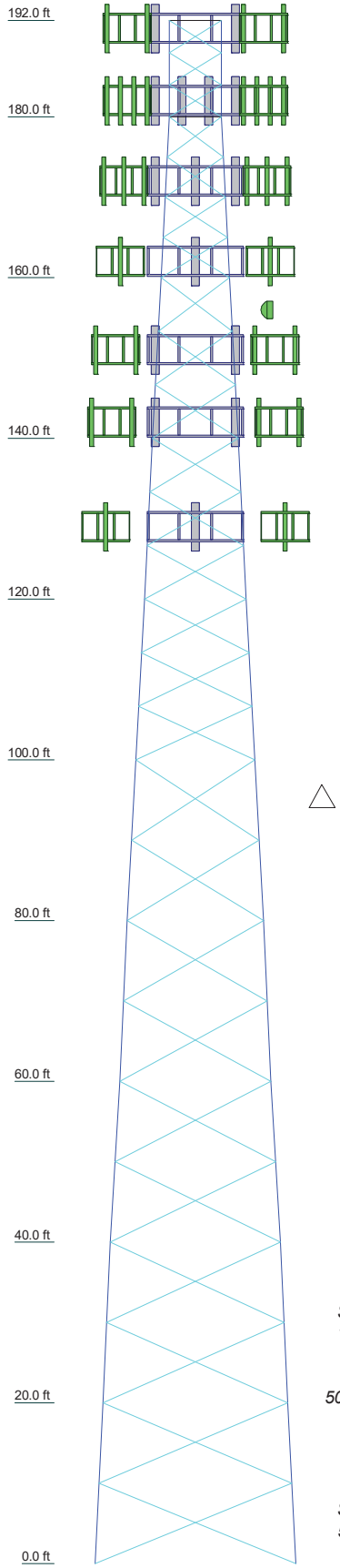
4.1) Recommendations

The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT

Section	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10
Legs	ROHN 2.5 STD		ROHN 3 EH	ROHN 4 EH	ROHN 5 EH	ROHN 6 EHS	ROHN 6 EH		ROHN 8 EHS	
Leg Grade	A572-50									
Diagonals	A	L2x2x3/16	L2 1/2x2 1/2x1/4		L3x3x1/4	L3 1/2x3 1/2x1/4	L4x4x1/4		L4x4x5/16	L4x4x3/8
Diagonal Grade	A36					A572-50				
Top Girts	A	L2x2x3/16				N.A.				
Face Width (ft)	6.58		8.54	10.61	12.74	14.83	16.92	18.88	21.13	23.05	25.05
# Panels @ (ft)	3 @ 4	4 @ 5	9 @ 6.66667					10 @ 10			
Weight (K)	0.6	1.0	1.5	2.0	2.7	2.8	3.5	4.4	4.6	5.3	28.4



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

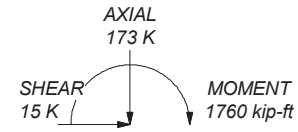
TOWER DESIGN NOTES

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 118 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 67.1%

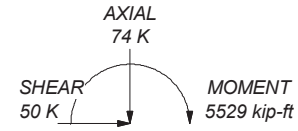
ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 280 K
SHEAR: 32 K

UPLIFT: -226 K
SHEAR: 27 K



TORQUE 10 kip-ft
50 mph WIND - 1.5000 in ICE



TORQUE 31 kip-ft
REACTIONS - 118 mph WIND

Morrison Hershfield
Consulting Engineers
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
Phone: (770) 379-8500
FAX: (770) 379-8501

Job: CN13-122 / 2400001			
Project: 876345 / Sky Hill			
Client: Crown Castle USA	Drawn by: RA		App'd:
Code: TIA-222-H	Date: 01/22/24		Scale: NTS
Path:			Dwg No. E-1

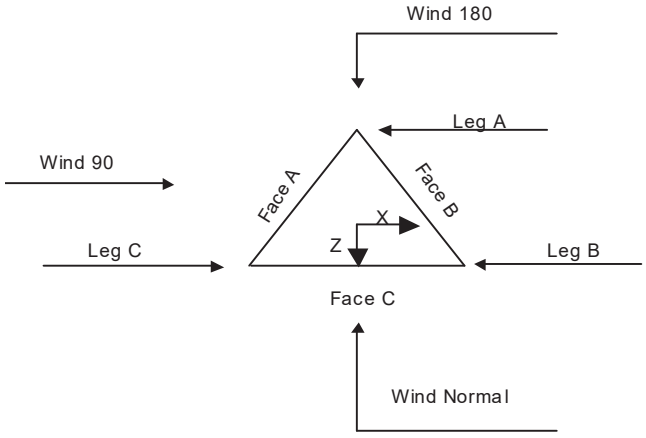
Tower Input Data

The main tower is a 3x free standing tower with an overall height of 192.00 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 6.58 ft at the top and 25.05 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: 1066.00 ft.
Basic wind speed of 118 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.5000 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.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

	Consider Moments - Legs		Assume Legs Pinned	√	Calculate Redundant Bracing Forces
	Consider Moments - Horizontals	√	Assume Rigid Index Plate		Ignore Redundant Members in FEA
	Consider Moments - Diagonals	√	Use Clear Spans For Wind Area	√	SR Leg Bolts Resist Compression
	Use Moment Magnification	√	Use Clear Spans For KL/r		All Leg Panels Have Same Allowable
√	Use Code Stress Ratios		Retension Guys To Initial Tension		Offset Girt At Foundation
√	Use Code Safety Factors - Guys	√	Bypass Mast Stability Checks	√	Consider Feed Line Torque
	Escalate Ice	√	Use Azimuth Dish Coefficients	√	Include Angle Block Shear Check
	Always Use Max Kz	√	Project Wind Area of Appurtenances		Use TIA-222-H Bracing Resist. Exemption
	Use Special Wind Profile	√	Alternative Appurt. EPA Calculation		Use TIA-222-H Tension Splice Exemption
√	Include Bolts In Member Capacity		Autocalc Torque Arm Areas		Poles
	Leg Bolts Are At Top Of Section		Add IBC .6D+W Combination		Include Shear-Torsion Interaction
√	Secondary Horizontal Braces Leg	√	Sort Capacity Reports By Component		Always Use Sub-Critical Flow
	Use Diamond Inner Bracing (4 Sided)		Triangulate Diamond Inner Bracing		Use Top Mounted Sockets
	SR Members Have Cut Ends		Treat Feed Line Bundles As Cylinder		Pole Without Linear Attachments
	SR Members Are Concentric		Ignore KL/ry For 60 Deg. Angle Legs		Pole With Shroud Or No Appurtenances
	Distribute Leg Loads As Uniform		Use ASCE 10 X-Brace Ly Rules		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	192.00-180.00			6.58	1	12.00
T2	180.00-160.00			6.58	1	20.00
T3	160.00-140.00			8.54	1	20.00
T4	140.00-120.00			10.61	1	20.00
T5	120.00-100.00			12.74	1	20.00
T6	100.00-80.00			14.83	1	20.00
T7	80.00-60.00			16.92	1	20.00
T8	60.00-40.00			18.88	1	20.00
T9	40.00-20.00			21.13	1	20.00
T10	20.00-0.00			23.05	1	20.00

Tower Section Geometry *(cont'd)*

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	ft	ft				in	in
T1	192.00-180.00	4.00	X Brace	No	No	0.0000	0.0000
T2	180.00-160.00	5.00	X Brace	No	No	0.0000	0.0000
T3	160.00-140.00	6.67	X Brace	No	No	0.0000	0.0000
T4	140.00-120.00	6.67	X Brace	No	No	0.0000	0.0000
T5	120.00-100.00	6.67	X Brace	No	No	0.0000	0.0000
T6	100.00-80.00	10.00	X Brace	No	No	0.0000	0.0000
T7	80.00-60.00	10.00	X Brace	No	No	0.0000	0.0000
T8	60.00-40.00	10.00	X Brace	No	No	0.0000	0.0000
T9	40.00-20.00	10.00	X Brace	No	No	0.0000	0.0000
T10	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 192.00-180.00	Pipe	ROHN 2.5 STD	A572-50 (50 ksi)	Equal Angle	L1 3/4x1 3/4x3/16	A36 (36 ksi)
T2 180.00-160.00	Pipe	ROHN 2.5 STD	A572-50 (50 ksi)	Equal Angle	L2x2x3/16	A36 (36 ksi)
T3 160.00-140.00	Pipe	ROHN 3 EH	A572-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x1/4	A36 (36 ksi)
T4 140.00-120.00	Pipe	ROHN 4 EH	A572-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x1/4	A36 (36 ksi)
T5 120.00-100.00	Pipe	ROHN 5 EH	A572-50 (50 ksi)	Equal Angle	L3x3x1/4	A572-50 (50 ksi)
T6 100.00-80.00	Pipe	ROHN 6 EHS	A572-50 (50 ksi)	Equal Angle	L3 1/2x3 1/2x1/4	A572-50 (50 ksi)
T7 80.00-60.00	Pipe	ROHN 6 EH	A572-50 (50 ksi)	Equal Angle	L4x4x1/4	A572-50 (50 ksi)
T8 60.00-40.00	Pipe	ROHN 8 EHS	A572-50 (50 ksi)	Equal Angle	L4x4x5/16	A572-50 (50 ksi)
T9 40.00-20.00	Pipe	ROHN 8 EHS	A572-50 (50 ksi)	Equal Angle	L4x4x5/16	A572-50 (50 ksi)
T10 20.00-0.00	Pipe	ROHN 8 EHS	A572-50 (50 ksi)	Equal Angle	L4x4x3/8	A572-50 (50 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 192.00-180.00	Equal Angle	L1 3/4x1 3/4x3/16	A36 (36 ksi)	Single Angle		A36 (36 ksi)
T2 180.00-160.00	Equal Angle	L2x2x3/16	A36 (36 ksi)	Single Angle		A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
T1 192.00-180.00	0.00	0.2500	A36 (36 ksi)	1.05	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T2 180.00-160.00	0.00	0.2500	A36 (36 ksi)	1.05	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T3 160.00-140.00	0.00	0.2500	A36 (36 ksi)	1.05	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T4 140.00-120.00	0.00	0.2500	A36 (36 ksi)	1.05	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T5 120.00-100.00	0.00	0.3750	A36 (36 ksi)	1.05	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T6 100.00-80.00	0.00	0.3750	A36 (36 ksi)	1.05	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T7 80.00-60.00	0.00	0.3750	A36 (36 ksi)	1.05	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T8 60.00-40.00	0.00	0.3750	A36 (36 ksi)	1.05	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T9 40.00-20.00	0.00	0.3750	A36 (36 ksi)	1.05	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T10 20.00-0.00	0.00	0.3750	A36 (36 ksi)	1.05	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt

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 192.00-180.00	Yes	No	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T2 180.00-160.00	Yes	No	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T3 160.00-140.00	Yes	No	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T4 140.00-120.00	Yes	No	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T5 120.00-100.00	Yes	No	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T6 100.00-80.00	Yes	No	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T7 80.00-60.00	Yes	No	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T8 60.00-40.00	Yes	No	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T9 40.00-20.00	Yes	No	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1
T10 20.00-0.00	Yes	No	1	1	1	1	1	1	1	1
				1	1	1	1	1	1	1

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

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 192.00-180.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T2 180.00-160.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T3 160.00-140.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T4 140.00-120.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 120.00-100.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T6 100.00-80.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 80.00-60.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 60.00-40.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 40.00-20.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 20.00-0.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 192.00-180.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T2 180.00-160.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T3 160.00-140.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T4 140.00-120.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T5 120.00-100.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T6 100.00-80.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T7 80.00-60.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T8 60.00-40.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)

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
T9 40.00-20.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T10 20.00-0.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)

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 192.00-180.00	Flange	0.6250 A325N	4	0.6250 A325N	1	0.6250 A325N	1	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	0
T2 180.00-160.00	Flange	0.6250 A325N	4	0.6250 A325N	1	0.6250 A325N	1	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	0
T3 160.00-140.00	Flange	0.8750 A325N	4	0.6250 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	0
T4 140.00-120.00	Flange	1.0000 A325N	4	0.6250 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	0
T5 120.00-100.00	Flange	1.0000 A325N	6	0.7500 A325N	1	0.6250 A325N	0	0.0000 A325N	0	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	0
T6 100.00-80.00	Flange	1.0000 A325N	6	0.7500 A325N	1	0.6250 A325N	0	0.0000 A325N	0	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	0
T7 80.00-60.00	Flange	1.0000 A325N	8	0.7500 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	0
T8 60.00-40.00	Flange	1.0000 A325N	8	0.7500 A325X	1	0.6250 A325N	0	0.0000 A325N	0	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	0
T9 40.00-20.00	Flange	1.0000 A325N	8	0.7500 A325X	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	0
T10 20.00-0.00	Flange	0.0000 A354-BC	0	0.7500 A325X	1	0.6250 A325N	0	0.0000 A325N	0	0.6250 A325X	0	0.6250 A325N	0	0.6250 A325X	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
***													
Feedline Ladder (Af)	A	No	No	Af (CaAa)	190.00 - 0.00	0.0000	-0.4	1	1	3.0000	3.0000		8.40
Feedline Ladder (Af)	A	No	No	Af (CaAa)	180.00 - 0.00	0.0000	0.4	1	1	3.0000	3.0000		8.40
Feedline Ladder (Af)	B	No	No	Af (CaAa)	171.00 - 0.00	0.0000	-0.4	1	1	3.0000	3.0000		8.40
Feedline Ladder (Af)	B	No	No	Af (CaAa)	160.00 - 0.00	-0.5000	0.4	1	1	3.0000	3.0000		8.40
Feedline Ladder (Af)	C	No	No	Af (CaAa)	150.00 - 0.00	0.0000	0.4	1	1	3.0000	3.0000		8.40
Feedline Ladder (Af)	C	No	No	Af (CaAa)	140.00 - 0.00	0.0000	-0.4	1	1	3.0000	3.0000		8.40
****													
Safety Line 3/8	A	No	No	Ar (CaAa)	192.00 - 0.00	-6.0000	0.45	1	1	0.3750	0.3750		0.22
Thin Flat Bar Climbing Ladder	A	No	No	Af (CaAa)	192.00 - 0.00	-6.0000	0.45	1	1	2.0000	2.0000		4.00
****													
LDF4-50A(1/2)	A	No	No	Ar (CaAa)	182.00 - 0.00	1.5000	0.45	1	1	0.5000	0.6250		0.15
SAMSUNG HYBRID CABLE(1-5/8)	A	No	No	Ar (CaAa)	182.00 - 0.00	0.0000	0.45	2	2	0.5000	1.6250		1.60
LDF7-50A(1-5/8)	A	No	No	Ar (CaAa)	182.00 - 0.00	0.0000	0.4	6	3	0.5000	1.9800		0.82
***													
LDF7-50A(1-5/8)	B	No	No	Ar (CaAa)	172.00 - 0.00	0.0000	-0.36	9	5	0.5000	1.9800		0.82
***													
FXL 1873 PE(1-5/8)	B	No	No	Ar (CaAa)	162.00 - 0.00	0.0000	0.4	6	6	0.5000	1.9800		0.67
***													
***													
2CX14AWG_TMO(21/64)	C	No	No	Ar (CaAa)	151.00 - 0.00	0.0000	0.4	2	2	0.3200	0.3200		0.07
DUPLEX ARMOR I/O_TMO(7/32)	C	No	No	Ar (CaAa)	151.00 - 0.00	0.0000	0.42	2	2	0.2500	0.2000		0.02
HB158-21U6S24-xxM_TMO(1-5/8)	C	No	No	Ar (CaAa)	151.00 - 0.00	0.0000	0.45	3	3	0.5000	1.9960		2.50
***													
FB-L98B-002-75000(3/8)	C	No	No	Ar (CaAa)	147.00 - 0.00	0.0000	-0.44	1	1	0.3937	0.3937		0.06
FB-L98B-034-XXX(3/8)	C	No	No	Ar (CaAa)	147.00 - 0.00	0.0000	-0.29	1	1	0.3937	0.0000		0.06
WR-VG66ST-BRD(7/8)	C	No	No	Ar (CaAa)	147.00 - 0.00	1.5000	-0.455	2	2	0.9570	0.9570		0.91
WR-VG86ST-BRD(3/4)	C	No	No	Ar (CaAa)	147.00 - 0.00	0.0000	-0.29	2	2	0.7950	0.0000		0.58
2" Rigid Conduit	C	No	No	Ar (CaAa)	140.00 - 0.00	0.0000	-0.29	1	1	2.0000	2.0000		2.80
***													
FLC 78-50J(7/8)	C	No	No	Ar (CaAa)	142.00 - 0.00	0.0000	-0.38	12	12	1.1120	1.1120		0.40
***													
CU12PSM9P6XXX(1-1/2)	B	No	No	Ar (CaAa)	128.00 - 0.00	0.0000	0.45	1	1	1.6000	1.6000		2.35
***													
LDF4-50A(1/2)	A	No	No	Ar (CaAa)	98.00 - 0.00	1.5000	0.43	1	1	0.5000	0.6250		0.15
****													

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	192.00-180.00	A	0.000	0.000	12.601	0.000	0.15
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T2	180.00-160.00	A	0.000	0.000	58.927	0.000	0.59
		B	0.000	0.000	29.260	0.000	0.19
		C	0.000	0.000	0.000	0.000	0.00
T3	160.00-140.00	A	0.000	0.000	58.927	0.000	0.59
		B	0.000	0.000	79.400	0.000	0.56
		C	0.000	0.000	17.015	0.000	0.20
T4	140.00-120.00	A	0.000	0.000	58.927	0.000	0.59
		B	0.000	0.000	80.680	0.000	0.58
		C	0.000	0.000	69.359	0.000	0.70
T5	120.00-100.00	A	0.000	0.000	58.927	0.000	0.59
		B	0.000	0.000	82.600	0.000	0.61
		C	0.000	0.000	69.359	0.000	0.70
T6	100.00-80.00	A	0.000	0.000	60.052	0.000	0.59
		B	0.000	0.000	82.600	0.000	0.61
		C	0.000	0.000	69.359	0.000	0.70
T7	80.00-60.00	A	0.000	0.000	60.177	0.000	0.59
		B	0.000	0.000	82.600	0.000	0.61
		C	0.000	0.000	69.359	0.000	0.70
T8	60.00-40.00	A	0.000	0.000	60.177	0.000	0.59
		B	0.000	0.000	82.600	0.000	0.61
		C	0.000	0.000	69.359	0.000	0.70
T9	40.00-20.00	A	0.000	0.000	60.177	0.000	0.59
		B	0.000	0.000	82.600	0.000	0.61
		C	0.000	0.000	69.359	0.000	0.70
T10	20.00-0.00	A	0.000	0.000	60.177	0.000	0.59
		B	0.000	0.000	82.600	0.000	0.61
		C	0.000	0.000	69.359	0.000	0.70

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T1	192.00-180.00	A	1.516	0.000	0.000	25.662	0.000	0.46
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T2	180.00-160.00	A	1.502	0.000	0.000	110.265	0.000	1.87
		B		0.000	0.000	38.329	0.000	0.68
		C		0.000	0.000	0.000	0.000	0.00
T3	160.00-140.00	A	1.483	0.000	0.000	109.630	0.000	1.85
		B		0.000	0.000	118.510	0.000	2.00
		C		0.000	0.000	58.897	0.000	0.73
T4	140.00-120.00	A	1.462	0.000	0.000	108.915	0.000	1.83
		B		0.000	0.000	121.690	0.000	2.04
		C		0.000	0.000	207.456	0.000	2.75
T5	120.00-100.00	A	1.438	0.000	0.000	108.093	0.000	1.81
		B		0.000	0.000	126.517	0.000	2.11
		C		0.000	0.000	205.993	0.000	2.71
T6	100.00-80.00	A	1.410	0.000	0.000	113.322	0.000	1.84
		B		0.000	0.000	125.807	0.000	2.08
		C		0.000	0.000	204.268	0.000	2.66
T7	80.00-60.00	A	1.375	0.000	0.000	112.684	0.000	1.81
		B		0.000	0.000	124.937	0.000	2.04
		C		0.000	0.000	202.156	0.000	2.60
T8	60.00-40.00	A	1.329	0.000	0.000	110.959	0.000	1.76
		B		0.000	0.000	123.808	0.000	1.99
		C		0.000	0.000	199.412	0.000	2.53
T9	40.00-20.00	A	1.263	0.000	0.000	108.448	0.000	1.69
		B		0.000	0.000	122.165	0.000	1.92
		C		0.000	0.000	195.422	0.000	2.42

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T10	20.00-0.00	A	1.132	0.000	0.000	103.467	0.000	1.55
		B		0.000	0.000	118.911	0.000	1.79
		C		0.000	0.000	187.510	0.000	2.22

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
T1	192.00-180.00	-2.2583	-3.1771	-2.3957	-5.2163
T2	180.00-160.00	-1.9361	-16.6008	-2.3213	-18.1556
T3	160.00-140.00	1.5984	-13.1077	1.0978	-12.3388
T4	140.00-120.00	7.2216	-9.4306	9.5378	-5.2168
T5	120.00-100.00	8.0215	-9.6374	11.1081	-5.3045
T6	100.00-80.00	9.1045	-11.3515	12.5061	-7.2831
T7	80.00-60.00	9.4078	-11.8507	13.4121	-8.0053
T8	60.00-40.00	9.9949	-12.5956	14.3033	-8.5652
T9	40.00-20.00	10.5259	-13.2945	15.3766	-9.2887
T10	20.00-0.00	11.0527	-13.9958	16.3879	-10.0648

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T1	2	Feedline Ladder (Af)	180.00 - 190.00	0.6000	0.6000
T1	9	Safety Line 3/8	180.00 - 192.00	0.6000	0.6000
T1	10	Thin Flat Bar Climbing Ladder	180.00 - 192.00	0.6000	0.6000
T1	12	LDF4-50A(1/2)	180.00 - 182.00	0.6000	0.6000
T1	13	SAMSUNG HYBRID CABLE(1-5/8)	180.00 - 182.00	0.6000	0.6000
T1	14	LDF7-50A(1-5/8)	180.00 - 182.00	0.6000	0.6000
T2	2	Feedline Ladder (Af)	160.00 - 180.00	0.6000	0.6000
T2	3	Feedline Ladder (Af)	160.00 - 180.00	0.6000	0.6000
T2	4	Feedline Ladder (Af)	160.00 - 171.00	0.6000	0.6000
T2	9	Safety Line 3/8	160.00 - 180.00	0.6000	0.6000
T2	10	Thin Flat Bar Climbing Ladder	160.00 - 180.00	0.6000	0.6000
T2	12	LDF4-50A(1/2)	160.00 - 180.00	0.6000	0.6000
T2	13	SAMSUNG HYBRID CABLE(1-5/8)	160.00 - 180.00	0.6000	0.6000
T2	14	LDF7-50A(1-5/8)	160.00 - 180.00	0.6000	0.6000
T2	16	LDF7-50A(1-5/8)	160.00 - 172.00	0.6000	0.6000
T2	18	FXL 1873 PE(1-5/8)	160.00 - 162.00	0.6000	0.6000
T3	2	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T3	3	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T3	4	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T3	5	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T3	6	Feedline Ladder (Af)	140.00 - 150.00	0.6000	0.6000
T3	9	Safety Line 3/8	140.00 - 160.00	0.6000	0.6000
T3	10	Thin Flat Bar Climbing Ladder	140.00 - 160.00	0.6000	0.6000
T3	12	LDF4-50A(1/2)	140.00 - 160.00	0.6000	0.6000
T3	13	SAMSUNG HYBRID CABLE(1-5/8)	140.00 - 160.00	0.6000	0.6000
T3	14	LDF7-50A(1-5/8)	140.00 - 160.00	0.6000	0.6000
T3	16	LDF7-50A(1-5/8)	140.00 - 160.00	0.6000	0.6000
T3	18	FXL 1873 PE(1-5/8)	140.00 - 160.00	0.6000	0.6000
T3	24	2CX14AWG_TMO(21/64)	140.00 - 151.00	0.6000	0.6000
T3	25	DUPLEX ARMOR I/O_TMO(7/32)	140.00 - 151.00	0.6000	0.6000
T3	26	HB158-21U6S24-xxM_TMO(1-5/8)	140.00 - 151.00	0.6000	0.6000
T3	28	FB-L98B-002-75000(3/8)	140.00 - 147.00	0.6000	0.6000
T3	29	FB-L98B-034-XXX(3/8)	140.00 - 147.00	0.6000	0.6000
T3	30	WR-VG66ST-BRD(7/8)	140.00 - 147.00	0.6000	0.6000
T3	31	WR-VG86ST-BRD(3/4)	140.00 - 147.00	0.6000	0.6000
T3	34	FLC 78-50J(7/8)	140.00 - 142.00	0.6000	0.6000
T4	2	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T4	3	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T4	4	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T4	5	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T4	6	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T4	7	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T4	9	Safety Line 3/8	120.00 - 140.00	0.6000	0.6000
T4	10	Thin Flat Bar Climbing Ladder	120.00 - 140.00	0.6000	0.6000
T4	12	LDF4-50A(1/2)	120.00 - 140.00	0.6000	0.6000
T4	13	SAMSUNG HYBRID CABLE(1-5/8)	120.00 - 140.00	0.6000	0.6000
T4	14	LDF7-50A(1-5/8)	120.00 - 140.00	0.6000	0.6000
T4	16	LDF7-50A(1-5/8)	120.00 - 140.00	0.6000	0.6000
T4	18	FXL 1873 PE(1-5/8)	120.00 - 140.00	0.6000	0.6000
T4	24	2CX14AWG_TMO(21/64)	120.00 - 140.00	0.6000	0.6000
T4	25	DUPLEX ARMOR I/O_TMO(7/32)	120.00 - 140.00	0.6000	0.6000
T4	26	HB158-21U6S24-xxM_TMO(1-5/8)	120.00 - 140.00	0.6000	0.6000
T4	28	FB-L98B-002-75000(3/8)	120.00 - 140.00	0.6000	0.6000
T4	29	FB-L98B-034-XXX(3/8)	120.00 - 140.00	0.6000	0.6000
T4	30	WR-VG66ST-BRD(7/8)	120.00 - 140.00	0.6000	0.6000
T4	31	WR-VG86ST-BRD(3/4)	120.00 - 140.00	0.6000	0.6000
T4	32	2" Rigid Conduit	120.00 - 140.00	0.6000	0.6000
T4	34	FLC 78-50J(7/8)	120.00 - 140.00	0.6000	0.6000
T4	36	CU12PSM9P6XXX(1-1/2)	120.00 - 128.00	0.6000	0.6000
T5	2	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T5	3	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T5	4	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T5	5	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T5	6	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T5	7	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T5	9	Safety Line 3/8	100.00 - 120.00	0.6000	0.6000
T5	10	Thin Flat Bar Climbing Ladder	100.00 - 120.00	0.6000	0.6000
T5	12	LDF4-50A(1/2)	100.00 - 120.00	0.6000	0.6000
T5	13	SAMSUNG HYBRID CABLE(1-5/8)	100.00 - 120.00	0.6000	0.6000
T5	14	LDF7-50A(1-5/8)	100.00 - 120.00	0.6000	0.6000
T5	16	LDF7-50A(1-5/8)	100.00 - 120.00	0.6000	0.6000
T5	18	FXL 1873 PE(1-5/8)	100.00 - 120.00	0.6000	0.6000
T5	24	2CX14AWG_TMO(21/64)	100.00 - 120.00	0.6000	0.6000
T5	25	DUPLEX ARMOR I/O_TMO(7/32)	100.00 - 120.00	0.6000	0.6000
T5	26	HB158-21U6S24-xxM_TMO(1-5/8)	100.00 - 120.00	0.6000	0.6000
T5	28	FB-L98B-002-75000(3/8)	100.00 - 120.00	0.6000	0.6000
T5	29	FB-L98B-034-XXX(3/8)	100.00 - 120.00	0.6000	0.6000
T5	30	WR-VG66ST-BRD(7/8)	100.00 - 120.00	0.6000	0.6000
T5	31	WR-VG86ST-BRD(3/4)	100.00 - 120.00	0.6000	0.6000
T5	32	2" Rigid Conduit	100.00 - 120.00	0.6000	0.6000
T5	34	FLC 78-50J(7/8)	100.00 - 120.00	0.6000	0.6000
T5	36	CU12PSM9P6XXX(1-1/2)	100.00 - 120.00	0.6000	0.6000
T6	2	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T6	3	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T6	4	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T6	5	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T6	6	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T6	7	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T6	9	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T6	10	Thin Flat Bar Climbing Ladder	80.00 - 100.00	0.6000	0.6000
T6	12	LDF4-50A(1/2)	80.00 - 100.00	0.6000	0.6000
T6	13	SAMSUNG HYBRID CABLE(1-5/8)	80.00 - 100.00	0.6000	0.6000
T6	14	LDF7-50A(1-5/8)	80.00 - 100.00	0.6000	0.6000
T6	16	LDF7-50A(1-5/8)	80.00 - 100.00	0.6000	0.6000
T6	18	FXL 1873 PE(1-5/8)	80.00 - 100.00	0.6000	0.6000
T6	24	2CX14AWG_TMO(21/64)	80.00 - 100.00	0.6000	0.6000
T6	25	DUPLEX ARMOR I/O_TMO(7/32)	80.00 - 100.00	0.6000	0.6000
T6	26	HB158-21U6S24-xxM_TMO(1-5/8)	80.00 - 100.00	0.6000	0.6000
T6	28	FB-L98B-002-75000(3/8)	80.00 - 100.00	0.6000	0.6000
T6	29	FB-L98B-034-XXX(3/8)	80.00 - 100.00	0.6000	0.6000
T6	30	WR-VG66ST-BRD(7/8)	80.00 - 100.00	0.6000	0.6000
T6	31	WR-VG86ST-BRD(3/4)	80.00 - 100.00	0.6000	0.6000
T6	32	2" Rigid Conduit	80.00 - 100.00	0.6000	0.6000
T6	34	FLC 78-50J(7/8)	80.00 - 100.00	0.6000	0.6000
T6	36	CU12PSM9P6XXX(1-1/2)	80.00 - 100.00	0.6000	0.6000
T6	38	LDF4-50A(1/2)	80.00 - 98.00	0.6000	0.6000
T7	2	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T7	3	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T7	4	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T7	5	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T7	6	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T7	7	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T7	9	Safety Line 3/8	60.00 - 80.00	0.6000	0.6000
T7	10	Thin Flat Bar Climbing Ladder	60.00 - 80.00	0.6000	0.6000
T7	12	LDF4-50A(1/2)	60.00 - 80.00	0.6000	0.6000
T7	13	SAMSUNG HYBRID CABLE(1-5/8)	60.00 - 80.00	0.6000	0.6000
T7	14	LDF7-50A(1-5/8)	60.00 - 80.00	0.6000	0.6000
T7	16	LDF7-50A(1-5/8)	60.00 - 80.00	0.6000	0.6000
T7	18	FXL 1873 PE(1-5/8)	60.00 - 80.00	0.6000	0.6000
T7	24	2CX14AWG_TMO(21/64)	60.00 - 80.00	0.6000	0.6000
T7	25	DUPLEX ARMOR I/O_TMO(7/32)	60.00 - 80.00	0.6000	0.6000
T7	26	HB158-21U6S24-xxM_TMO(1-5/8)	60.00 - 80.00	0.6000	0.6000
T7	28	FB-L98B-002-75000(3/8)	60.00 - 80.00	0.6000	0.6000
T7	29	FB-L98B-034-XXX(3/8)	60.00 - 80.00	0.6000	0.6000
T7	30	WR-VG66ST-BRD(7/8)	60.00 - 80.00	0.6000	0.6000
T7	31	WR-VG86ST-BRD(3/4)	60.00 - 80.00	0.6000	0.6000
T7	32	2" Rigid Conduit	60.00 - 80.00	0.6000	0.6000
T7	34	FLC 78-50J(7/8)	60.00 - 80.00	0.6000	0.6000
T7	36	CU12PSM9P6XXX(1-1/2)	60.00 - 80.00	0.6000	0.6000
T7	38	LDF4-50A(1/2)	60.00 - 80.00	0.6000	0.6000
T8	2	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T8	3	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T8	4	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T8	5	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T8	6	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T8	7	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T8	9	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T8	10	Thin Flat Bar Climbing Ladder	40.00 - 60.00	0.6000	0.6000
T8	12	LDF4-50A(1/2)	40.00 - 60.00	0.6000	0.6000
T8	13	SAMSUNG HYBRID CABLE(1-5/8)	40.00 - 60.00	0.6000	0.6000
T8	14	LDF7-50A(1-5/8)	40.00 - 60.00	0.6000	0.6000
T8	16	LDF7-50A(1-5/8)	40.00 - 60.00	0.6000	0.6000
T8	18	FXL 1873 PE(1-5/8)	40.00 - 60.00	0.6000	0.6000
T8	24	2CX14AWG_TMO(21/64)	40.00 - 60.00	0.6000	0.6000
T8	25	DUPLEX ARMOR I/O_TMO(7/32)	40.00 - 60.00	0.6000	0.6000
T8	26	HB158-21U6S24-xxM_TMO(1-5/8)	40.00 - 60.00	0.6000	0.6000
T8	28	FB-L98B-002-75000(3/8)	40.00 - 60.00	0.6000	0.6000
T8	29	FB-L98B-034-XXX(3/8)	40.00 - 60.00	0.6000	0.6000
T8	30	WR-VG66ST-BRD(7/8)	40.00 - 60.00	0.6000	0.6000
T8	31	WR-VG86ST-BRD(3/4)	40.00 - 60.00	0.6000	0.6000
T8	32	2" Rigid Conduit	40.00 - 60.00	0.6000	0.6000
T8	34	FLC 78-50J(7/8)	40.00 - 60.00	0.6000	0.6000
T8	36	CU12PSM9P6XXX(1-1/2)	40.00 - 60.00	0.6000	0.6000
T8	38	LDF4-50A(1/2)	40.00 - 60.00	0.6000	0.6000
T9	2	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T9	3	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T9	4	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T9	5	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T9	6	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T9	7	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T9	9	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T9	10	Thin Flat Bar Climbing Ladder	20.00 - 40.00	0.6000	0.6000
T9	12	LDF4-50A(1/2)	20.00 - 40.00	0.6000	0.6000
T9	13	SAMSUNG HYBRID CABLE(1-5/8)	20.00 - 40.00	0.6000	0.6000
T9	14	LDF7-50A(1-5/8)	20.00 - 40.00	0.6000	0.6000
T9	16	LDF7-50A(1-5/8)	20.00 - 40.00	0.6000	0.6000
T9	18	FXL 1873 PE(1-5/8)	20.00 - 40.00	0.6000	0.6000
T9	24	2CX14AWG_TMO(21/64)	20.00 - 40.00	0.6000	0.6000
T9	25	DUPLEX ARMOR I/O_TMO(7/32)	20.00 - 40.00	0.6000	0.6000
T9	26	HB158-21U6S24-xxM_TMO(1-5/8)	20.00 - 40.00	0.6000	0.6000
T9	28	FB-L98B-002-75000(3/8)	20.00 - 40.00	0.6000	0.6000
T9	29	FB-L98B-034-XXX(3/8)	20.00 - 40.00	0.6000	0.6000
T9	30	WR-VG66ST-BRD(7/8)	20.00 - 40.00	0.6000	0.6000
T9	31	WR-VG86ST-BRD(3/4)	20.00 - 40.00	0.6000	0.6000
T9	32	2" Rigid Conduit	20.00 - 40.00	0.6000	0.6000
T9	34	FLC 78-50J(7/8)	20.00 - 40.00	0.6000	0.6000
T9	36	CU12PSM9P6XXX(1-1/2)	20.00 - 40.00	0.6000	0.6000
T9	38	LDF4-50A(1/2)	20.00 - 40.00	0.6000	0.6000
T10	2	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
T10	3	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T10	4	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T10	5	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T10	6	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T10	7	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T10	9	Safety Line 3/8	0.00 - 20.00	0.6000	0.6000
T10	10	Thin Flat Bar Climbing Ladder	0.00 - 20.00	0.6000	0.6000
T10	12	LDF4-50A(1/2)	0.00 - 20.00	0.6000	0.6000
T10	13	SAMSUNG HYBRID CABLE(1-5/8)	0.00 - 20.00	0.6000	0.6000
T10	14	LDF7-50A(1-5/8)	0.00 - 20.00	0.6000	0.6000
T10	16	LDF7-50A(1-5/8)	0.00 - 20.00	0.6000	0.6000
T10	18	FXL 1873 PE(1-5/8)	0.00 - 20.00	0.6000	0.6000
T10	24	2CX14AWG_TMO(21/64)	0.00 - 20.00	0.6000	0.6000
T10	25	DUPLEX ARMOR I/O_TMO(7/32)	0.00 - 20.00	0.6000	0.6000
T10	26	HB158-21U6S24-xxM_TMO(1-5/8)	0.00 - 20.00	0.6000	0.6000
T10	28	FB-L98B-002-75000(3/8)	0.00 - 20.00	0.6000	0.6000
T10	29	FB-L98B-034-XXX(3/8)	0.00 - 20.00	0.6000	0.6000
T10	30	WR-VG66ST-BRD(7/8)	0.00 - 20.00	0.6000	0.6000
T10	31	WR-VG86ST-BRD(3/4)	0.00 - 20.00	0.6000	0.6000
T10	32	2" Rigid Conduit	0.00 - 20.00	0.6000	0.6000
T10	34	FLC 78-50J(7/8)	0.00 - 20.00	0.6000	0.6000
T10	36	CU12PSM9P6XXX(1-1/2)	0.00 - 20.00	0.6000	0.6000
T10	38	LDF4-50A(1/2)	0.00 - 20.00	0.6000	0.6000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
***									
NNVV-65B-R4 w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	191.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.55 8.04 8.53 9.56	4.23 4.67 5.12 6.05	0.11 0.20 0.30 0.53
NNVV-65B-R4 w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	191.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.55 8.04 8.53 9.56	4.23 4.67 5.12 6.05	0.11 0.20 0.30 0.53
NNVV-65B-R4 w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	191.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.55 8.04 8.53 9.56	4.23 4.67 5.12 6.05	0.11 0.20 0.30 0.53
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	191.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	191.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	191.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
FZHN	A	From Leg	4.00 0.00 5.00	0.0000	191.00	No Ice 1/2" Ice Ice	2.02 2.20 2.38	0.61 0.71 0.83	0.04 0.06 0.07

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1" Ice	2.77	1.09	0.12
						2" Ice			
FZHN	B	From Leg	4.00	0.0000	191.00	No Ice	2.02	0.61	0.04
			0.00			1/2"	2.20	0.71	0.06
			4.00			Ice	2.38	0.83	0.07
						1" Ice	2.77	1.09	0.12
						2" Ice			
FZHN	C	From Leg	4.00	0.0000	191.00	No Ice	2.02	0.61	0.04
			0.00			1/2"	2.20	0.71	0.06
			5.00			Ice	2.38	0.83	0.07
						1" Ice	2.77	1.09	0.12
						2" Ice			
RRH2X50-800	A	From Leg	4.00	0.0000	191.00	No Ice	1.70	1.28	0.05
			0.00			1/2"	1.86	1.43	0.07
			1.00			Ice	2.03	1.58	0.09
						1" Ice	2.40	1.91	0.14
						2" Ice			
RRH2X50-800	A	From Leg	4.00	0.0000	191.00	No Ice	1.70	1.28	0.05
			0.00			1/2"	1.86	1.43	0.07
			4.00			Ice	2.03	1.58	0.09
						1" Ice	2.40	1.91	0.14
						2" Ice			
RRH2X50-800	B	From Leg	4.00	0.0000	191.00	No Ice	1.70	1.28	0.05
			0.00			1/2"	1.86	1.43	0.07
			1.00			Ice	2.03	1.58	0.09
						1" Ice	2.40	1.91	0.14
						2" Ice			
RRH2X50-800	B	From Leg	4.00	0.0000	191.00	No Ice	1.70	1.28	0.05
			0.00			1/2"	1.86	1.43	0.07
			4.00			Ice	2.03	1.58	0.09
						1" Ice	2.40	1.91	0.14
						2" Ice			
RRH2X50-800	C	From Leg	4.00	0.0000	191.00	No Ice	1.70	1.28	0.05
			0.00			1/2"	1.86	1.43	0.07
			1.00			Ice	2.03	1.58	0.09
						1" Ice	2.40	1.91	0.14
						2" Ice			
RRH2X50-800	C	From Leg	4.00	0.0000	191.00	No Ice	1.70	1.28	0.05
			0.00			1/2"	1.86	1.43	0.07
			4.00			Ice	2.03	1.58	0.09
						1" Ice	2.40	1.91	0.14
						2" Ice			
PCS 1900MHZ 4X45W 65MHZ	A	From Leg	4.00	0.0000	191.00	No Ice	2.31	2.23	0.06
			0.00			1/2"	2.52	2.43	0.08
			1.00			Ice	2.73	2.64	0.11
						1" Ice	3.17	3.08	0.17
						2" Ice			
PCS 1900MHZ 4X45W 65MHZ	B	From Leg	4.00	0.0000	191.00	No Ice	2.31	2.23	0.06
			0.00			1/2"	2.52	2.43	0.08
			1.00			Ice	2.73	2.64	0.11
						1" Ice	3.17	3.08	0.17
						2" Ice			
PCS 1900MHZ 4X45W 65MHZ	C	From Leg	4.00	0.0000	191.00	No Ice	2.31	2.23	0.06
			0.00			1/2"	2.52	2.43	0.08
			1.00			Ice	2.73	2.64	0.11
						1" Ice	3.17	3.08	0.17
						2" Ice			
Sector Mount [SM 504-3]	C	None		0.0000	191.00	No Ice	31.05	31.05	1.71
						1/2"	43.83	43.83	2.33
						Ice	56.44	56.44	3.14
						1" Ice	81.28	81.28	5.36
						2" Ice			
***									
(2) LPA-80080/4CF w/ Mount Pipe	A	From Leg	4.00	0.0000	182.00	No Ice	2.04	5.22	0.04
			0.00			1/2"	2.42	5.67	0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			-1.00			Ice	2.82	6.13	0.13
						1" Ice	3.65	7.09	0.26
						2" Ice			
(2) LPA-80080/4CF w/ Mount Pipe	B	From Leg	4.00 0.00 -1.00	0.0000	182.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.04 2.42 2.82 3.65	5.22 5.67 6.13 7.09	0.04 0.08 0.13 0.26
(2) LPA-80080/4CF w/ Mount Pipe	C	From Leg	4.00 0.00 -1.00	0.0000	182.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.04 2.42 2.82 3.65	5.22 5.67 6.13 7.09	0.04 0.08 0.13 0.26
(2) JAHH-65B-R3B	A	From Leg	4.00 0.00 -1.00	0.0000	182.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.29 5.75 6.22 7.20	3.05 3.48 3.93 4.84	0.06 0.12 0.19 0.33
(2) JAHH-65B-R3B	B	From Leg	4.00 0.00 -1.00	0.0000	182.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.29 5.75 6.22 7.20	3.05 3.48 3.93 4.84	0.06 0.12 0.19 0.33
(2) JAHH-65B-R3B	C	From Leg	4.00 0.00 -1.00	0.0000	182.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.29 5.75 6.22 7.20	3.05 3.48 3.93 4.84	0.06 0.12 0.19 0.33
CBRS w/ Mount Pipe	A	From Leg	4.00 0.00 -3.00	0.0000	182.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.45 1.67 1.90 2.42	0.99 1.18 1.39 1.85	0.03 0.05 0.07 0.12
CBRS w/ Mount Pipe	B	From Leg	4.00 0.00 -3.00	0.0000	182.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.45 1.67 1.90 2.42	0.99 1.18 1.39 1.85	0.03 0.05 0.07 0.12
CBRS w/ Mount Pipe	C	From Leg	4.00 0.00 -3.00	0.0000	182.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.45 1.67 1.90 2.42	0.99 1.18 1.39 1.85	0.03 0.05 0.07 0.12
58532A	C	From Leg	4.00 0.00 2.00	0.0000	182.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.19 0.25 0.31 0.47	0.19 0.25 0.31 0.47	0.00 0.00 0.01 0.02
RFV01U-D1A	A	From Leg	4.00 0.00 -1.00	0.0000	182.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D1A	B	From Leg	4.00 0.00 -1.00	0.0000	182.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D1A	C	From Leg	4.00 0.00 -1.00	0.0000	182.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18
RFV01U-D2A	A	From Leg	4.00 0.00	0.0000	182.00	No Ice 1/2"	1.88 2.05	1.01 1.14	0.07 0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			-1.00			Ice	2.22	1.28	0.11
						1" Ice	2.60	1.59	0.15
						2" Ice			
RFV01U-D2A	B	From Leg	4.00	0.0000	182.00	No Ice	1.88	1.01	0.07
			0.00			1/2"	2.05	1.14	0.09
			-1.00			Ice	2.22	1.28	0.11
						1" Ice	2.60	1.59	0.15
						2" Ice			
RFV01U-D2A	C	From Leg	4.00	0.0000	182.00	No Ice	1.88	1.01	0.07
			0.00			1/2"	2.05	1.14	0.09
			-1.00			Ice	2.22	1.28	0.11
						1" Ice	2.60	1.59	0.15
						2" Ice			
(2) RC3DC-3315-PF-48	C	From Leg	4.00	0.0000	182.00	No Ice	3.79	2.51	0.03
			0.00			1/2"	4.04	2.72	0.06
			-1.00			Ice	4.30	2.94	0.10
						1" Ice	4.84	3.41	0.18
						2" Ice			
Sector Mount [SM 506-3]	C	None		0.0000	182.00	No Ice	32.27	32.27	1.74
						1/2"	45.45	45.45	2.39
						Ice	58.44	58.44	3.23
						1" Ice	84.07	84.07	5.54
						2" Ice			
Side By Side Antenna Mount	A	From Leg	4.00	0.0000	182.00	No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
						1" Ice	4.40	4.40	0.12
						2" Ice			
Side By Side Antenna Mount	B	From Leg	4.00	0.0000	182.00	No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
						1" Ice	4.40	4.40	0.12
						2" Ice			
Side By Side Antenna Mount	C	From Leg	4.00	0.0000	182.00	No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
						1" Ice	4.40	4.40	0.12
						2" Ice			
***									
MT6407-77A w/ Mount Pipe	A	From Leg	4.00	0.0000	182.00	No Ice	5.94	3.10	0.10
			0.00			1/2"	6.47	3.55	0.13
			1.00			Ice	7.02	4.02	0.18
						1" Ice	8.17	5.01	0.28
						2" Ice			
MT6407-77A w/ Mount Pipe	B	From Leg	4.00	0.0000	182.00	No Ice	5.94	3.10	0.10
			0.00			1/2"	6.47	3.55	0.13
			1.00			Ice	7.02	4.02	0.18
						1" Ice	8.17	5.01	0.28
						2" Ice			
MT6407-77A w/ Mount Pipe	C	From Leg	4.00	0.0000	182.00	No Ice	5.94	3.10	0.10
			0.00			1/2"	6.47	3.55	0.13
			1.00			Ice	7.02	4.02	0.18
						1" Ice	8.17	5.01	0.28
						2" Ice			
(2) BSF0020F3V1	A	From Leg	4.00	0.0000	182.00	No Ice	0.96	0.29	0.02
			0.00			1/2"	1.09	0.36	0.02
			-1.00			Ice	1.22	0.45	0.03
						1" Ice	1.50	0.64	0.06
						2" Ice			
(2) BSF0020F3V1	C	From Leg	4.00	0.0000	182.00	No Ice	0.96	0.29	0.02
			0.00			1/2"	1.09	0.36	0.02
			-1.00			Ice	1.22	0.45	0.03
						1" Ice	1.50	0.64	0.06
						2" Ice			
***									

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(3) 7130.16.33.00	A	From Leg	4.00 0.00 1.00	0.0000	172.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.32 5.66 6.01 6.74	5.32 5.66 6.01 6.74	0.02 0.06 0.11 0.23
(3) 7130.16.33.00	B	From Leg	4.00 0.00 1.00	0.0000	172.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.32 5.66 6.01 6.74	5.32 5.66 6.01 6.74	0.02 0.06 0.11 0.23
(3) 7130.16.33.00	C	From Leg	4.00 0.00 2.00	0.0000	172.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.32 5.66 6.01 6.74	5.32 5.66 6.01 6.74	0.02 0.06 0.11 0.23
Sector Mount [SM 506-3]	C	None		0.0000	172.00	No Ice 1/2" Ice 1" Ice 2" Ice	32.27 45.45 58.44 84.07	32.27 45.45 58.44 84.07	1.74 2.39 3.23 5.54
***									
HBX-6516DS-VTM w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	162.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.22 2.58 2.96 3.74	1.94 2.29 2.66 3.43	0.03 0.06 0.09 0.19
HBX-6516DS-VTM w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	162.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.22 2.58 2.96 3.74	1.94 2.29 2.66 3.43	0.03 0.06 0.09 0.19
HBX-6516DS-VTM w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	162.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.22 2.58 2.96 3.74	1.94 2.29 2.66 3.43	0.03 0.06 0.09 0.19
Sector Mount [SM 104-3]	C	None		0.0000	162.00	No Ice 1/2" Ice 1" Ice 2" Ice	30.21 38.12 46.01 62.03	30.21 38.12 46.01 62.03	0.95 1.43 2.03 3.58
6' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	162.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
6' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	162.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
6' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	162.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
***									
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00 0.00 7.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.19 0.31 0.46 0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00 0.00 7.00	0.0000	151.00	No Ice 1/2" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1" Ice	17.82	9.67	0.79
						2" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00 0.00 7.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 15.46 16.23 17.82	6.87 7.55 8.25 9.67	0.19 0.31 0.46 0.79
Sector Mount [SM 503-3]	C	None		0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	30.43 43.02 55.43 79.89	30.43 43.02 55.43 79.89	1.69 2.30 3.10 5.27
Tie Back	A	From Leg	4.00 0.00 0.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.33 2.05 2.64 3.52	0.01 0.04 0.09 0.21	0.02 0.29 0.04 0.09
Tie Back	B	From Leg	4.00 0.00 0.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.33 2.05 2.64 3.52	0.01 0.04 0.09 0.21	0.02 0.29 0.04 0.09
Tie Back	C	From Leg	4.00 0.00 0.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.33 2.05 2.64 3.52	0.01 0.04 0.09 0.21	0.02 0.29 0.04 0.09
(2) 8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
(2) 8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
(2) 8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
***									
AIR 6419 B41_TMO_CCIV2 w/ Mount Pipe	A	From Leg	4.00 0.00 7.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.79 6.24 6.71 7.71	2.97 3.34 3.73 4.56	0.10 0.14 0.19 0.32
AIR 6419 B41_TMO_CCIV2 w/ Mount Pipe	B	From Leg	4.00 0.00 7.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.79 6.24 6.71 7.71	2.97 3.34 3.73 4.56	0.10 0.14 0.19 0.32
AIR 6419 B41_TMO_CCIV2 w/ Mount Pipe	C	From Leg	4.00 0.00 7.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.79 6.24 6.71 7.71	2.97 3.34 3.73 4.56	0.10 0.14 0.19 0.32
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00 0.00 7.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.15 2.33 2.72	1.59 1.75 1.92 2.28	0.07 0.09 0.12 0.17
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00 0.00	0.0000	151.00	No Ice 1/2"	1.97 2.15	1.59 1.75	0.07 0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			7.00			Ice	2.33	1.92	0.12
						1" Ice	2.72	2.28	0.17
						2" Ice			
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00 0.00 7.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.15 2.33 2.72	1.59 1.75 1.92 2.28	0.07 0.09 0.12 0.17
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.00 0.00 7.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.14 2.32 2.51 2.91	1.69 1.85 2.02 2.39	0.11 0.13 0.16 0.22
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.00 0.00 7.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.14 2.32 2.51 2.91	1.69 1.85 2.02 2.39	0.11 0.13 0.16 0.22
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.00 0.00 7.00	0.0000	151.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.14 2.32 2.51 2.91	1.69 1.85 2.02 2.39	0.11 0.13 0.16 0.22
***									
DC6-48-60-0-8C-EV	A	From Leg	0.50 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.74 2.96 3.20 3.68	4.78 5.06 5.35 5.95	0.03 0.06 0.10 0.20
DC6-48-60-18-8F	B	From Leg	0.50 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.92 1.46 1.64 2.04	0.92 1.46 1.64 2.04	0.02 0.04 0.06 0.11
DC6-48-60-18-8F	C	From Leg	0.50 0.00 0.00	0.0000	147.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.92 1.46 1.64 2.04	0.92 1.46 1.64 2.04	0.02 0.04 0.06 0.11
***									
7770.00 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.39 3.75 4.12 4.89	2.32 2.66 3.02 3.75	0.06 0.10 0.15 0.28
7770.00 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.39 3.75 4.12 4.89	2.32 2.66 3.02 3.75	0.06 0.10 0.15 0.28
7770.00 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.39 3.75 4.12 4.89	2.32 2.66 3.02 3.75	0.06 0.10 0.15 0.28
(2) NNHH-65B-R4 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.55 8.04 8.53 9.56	4.23 4.67 5.12 6.05	0.11 0.20 0.30 0.53
(2) TPA65R-BU4D w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.10 8.65 9.21 10.39	4.03 4.50 4.98 5.98	0.08 0.14 0.21 0.38

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) TPA65R-BU4D w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	8.10 8.65 9.21 10.39	4.03 4.50 4.98 5.98	0.08 0.14 0.21 0.38
TT19-08BP111-001	A	From Leg	4.00 0.00 0.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.55 0.64 0.74 0.97	0.44 0.53 0.63 0.84	0.02 0.02 0.03 0.05
TT19-08BP111-001	B	From Leg	4.00 0.00 0.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.55 0.64 0.74 0.97	0.44 0.53 0.63 0.84	0.02 0.02 0.03 0.05
TT19-08BP111-001	C	From Leg	4.00 0.00 -1.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.55 0.64 0.74 0.97	0.44 0.53 0.63 0.84	0.02 0.02 0.03 0.05
RRUS 4478 B14	A	From Leg	4.00 0.00 1.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RRUS 4478 B14	B	From Leg	4.00 0.00 1.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RRUS 4478 B14	C	From Leg	4.00 0.00 1.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.84 2.01 2.19 2.57	1.06 1.20 1.34 1.66	0.06 0.08 0.09 0.14
RRUS 4449 B5/B12	A	From Leg	4.00 0.00 1.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 4449 B5/B12	B	From Leg	4.00 0.00 1.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 4449 B5/B12	C	From Leg	4.00 0.00 1.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.97 2.14 2.33 2.72	1.41 1.56 1.73 2.07	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	A	From Leg	4.00 0.00 1.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	1.35 1.50 1.65 1.99	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	B	From Leg	4.00 0.00 1.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	1.35 1.50 1.65 1.99	0.07 0.09 0.11 0.16
RRUS 8843 B2/B66A	C	From Leg	4.00 0.00 1.00	0.0000	142.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.32	1.35 1.50 1.65 1.99	0.07 0.09 0.11 0.16

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
Sector Mount [SM 502-3]	C	None		0.0000	142.00	No Ice	29.82	29.82	1.67
						1/2" Ice	42.21	42.21	2.27
						1" Ice	54.43	54.43	3.05
						2" Ice	78.49	78.49	5.18
8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	142.00	No Ice	1.90	1.90	0.03
						1/2" Ice	2.73	2.73	0.04
						1" Ice	3.40	3.40	0.06
						2" Ice	4.40	4.40	0.12
8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	142.00	No Ice	1.90	1.90	0.03
						1/2" Ice	2.73	2.73	0.04
						1" Ice	3.40	3.40	0.06
						2" Ice	4.40	4.40	0.12
8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	142.00	No Ice	1.90	1.90	0.03
						1/2" Ice	2.73	2.73	0.04
						1" Ice	3.40	3.40	0.06
						2" Ice	4.40	4.40	0.12
***									
FFVV-65B-R2 w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	128.00	No Ice	7.14	3.83	0.11
						1/2" Ice	7.60	4.24	0.19
						1" Ice	8.06	4.66	0.29
						2" Ice	9.02	5.53	0.52
FFVV-65B-R2 w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	128.00	No Ice	7.14	3.83	0.11
						1/2" Ice	7.60	4.24	0.19
						1" Ice	8.06	4.66	0.29
						2" Ice	9.02	5.53	0.52
FFVV-65B-R2 w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	128.00	No Ice	7.14	3.83	0.11
						1/2" Ice	7.60	4.24	0.19
						1" Ice	8.06	4.66	0.29
						2" Ice	9.02	5.53	0.52
RF4451d-70A	A	From Leg	4.00 0.00 1.00	0.0000	128.00	No Ice	1.88	1.11	0.06
						1/2" Ice	2.05	1.25	0.08
						1" Ice	2.22	1.39	0.10
						2" Ice	2.60	1.70	0.15
RF4451d-70A	B	From Leg	4.00 0.00 1.00	0.0000	128.00	No Ice	1.88	1.11	0.06
						1/2" Ice	2.05	1.25	0.08
						1" Ice	2.22	1.39	0.10
						2" Ice	2.60	1.70	0.15
RF4451d-70A	C	From Leg	4.00 0.00 1.00	0.0000	128.00	No Ice	1.88	1.11	0.06
						1/2" Ice	2.05	1.25	0.08
						1" Ice	2.22	1.39	0.10
						2" Ice	2.60	1.70	0.15
RF4450t-71A	A	From Leg	4.00 0.00 1.00	0.0000	128.00	No Ice	2.06	1.38	0.09
						1/2" Ice	2.24	1.53	0.12
						1" Ice	2.43	1.68	0.14
						2" Ice	2.82	2.01	0.20
RF4450t-71A	B	From Leg	4.00 0.00 1.00	0.0000	128.00	No Ice	2.06	1.38	0.09
						1/2" Ice	2.24	1.53	0.12
						1" Ice	2.43	1.68	0.14
						2" Ice	2.82	2.01	0.20
RF4450t-71A	C	From Leg	4.00 0.00 1.00	0.0000	128.00	No Ice	2.06	1.38	0.09
						1/2" Ice	2.24	1.53	0.12
						1" Ice	2.43	1.68	0.14
						2" Ice	2.82	2.01	0.20

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" Ice			
RDIDC-9181-PF-48	B	From Leg	4.00 0.00 1.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.01 2.19 2.37 2.76	1.17 1.31 1.46 1.78	0.02 0.04 0.06 0.11
Commscope MTC3975083 (3)	C	None		0.0000	128.00	No Ice 1/2" Ice 1" Ice 2" Ice	23.85 34.12 44.39 64.93	23.85 34.12 44.39 64.93	1.26 1.80 2.35 3.43
(2) 8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
(2) 8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
(2) 8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
***									
58532A	C	From Leg	3.00 0.00 3.00	0.0000	99.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.19 0.25 0.31 0.47	0.19 0.25 0.31 0.47	0.00 0.00 0.01 0.02
Side Arm Mount [SO 305-1]	C	From Leg	1.50 0.00 0.00	0.0000	99.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.53 0.78 1.06 1.73	1.52 2.07 2.66 3.91	0.03 0.04 0.06 0.13
****									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
*											
VHLP2-11W/A	B	Paraboloid w/Shroud (HP)	From Leg	4.00 0.00 5.00	-65.0000		151.00	2.17	No Ice 1/2" Ice 1" Ice 2" Ice	3.69 3.98 4.27 4.84	0.02 0.04 0.06 0.10
*											

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T1	192 - 180	Leg	Max Tension	23	4.04	0.26	0.12
			Max. Compression	35	-8.83	0.10	-0.06
			Max. Mx	8	3.02	0.72	-0.00
			Max. My	2	1.21	0.00	-0.76
			Max. Vy	20	0.54	0.00	0.00
			Max. Vx	2	0.54	0.00	0.00
		Diagonal	Max Tension	5	1.75	0.00	0.00
			Max. Compression	16	-1.84	0.00	0.00
			Max. Mx	35	0.32	0.02	-0.00
			Max. My	4	-0.71	0.00	0.00
			Max. Vy	35	-0.02	0.02	-0.00
			Max. Vx	4	-0.00	0.00	0.00
		Top Girt	Max Tension	18	0.29	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Compression	7	-0.25	0.00	0.00
			Max. Mx	26	0.05	-0.05	0.00
			Max. Vy	26	-0.03	0.00	0.00
T2	180 - 160	Leg	Max Tension	23	21.83	-0.08	-0.02
			Max. Compression	2	-30.36	0.24	-0.01
			Max. Mx	14	9.61	0.57	-0.00
			Max. My	8	-4.14	-0.01	-0.56
			Max. Vy	14	0.45	-0.31	-0.00
			Max. Vx	8	-0.45	-0.01	0.30
		Diagonal	Max Tension	16	3.36	0.00	0.00
			Max. Compression	17	-3.30	0.00	0.00
			Max. Mx	27	0.98	0.04	-0.00
			Max. My	29	-0.79	0.03	0.00
			Max. Vy	27	-0.03	0.04	-0.00
			Max. Vx	29	-0.00	0.00	0.00
		Top Girt	Max Tension	18	0.08	0.00	0.00
			Max. Compression	7	-0.05	0.00	0.00
			Max. Mx	26	0.03	-0.06	0.00
			Max. My	26	0.03	0.00	0.00
			Max. Vy	26	0.04	0.00	0.00
			Max. Vx	26	-0.00	0.00	0.00
T3	160 - 140	Leg	Max Tension	7	44.35	-0.63	0.04
			Max. Compression	18	-59.17	0.52	-0.01
			Max. Mx	14	32.83	0.73	-0.01
			Max. My	21	-5.23	-0.05	0.75
			Max. Vy	14	0.57	-0.60	0.01
			Max. Vx	9	-0.54	-0.04	0.52
		Diagonal	Max Tension	17	5.11	0.00	0.00
			Max. Compression	16	-5.24	0.00	0.00
			Max. Mx	27	1.11	0.07	0.01
			Max. My	30	1.22	0.06	0.01
			Max. Vy	27	-0.05	0.07	0.01
			Max. Vx	30	-0.00	0.00	0.00
T4	140 - 120	Leg	Max Tension	7	71.75	-0.45	-0.00
			Max. Compression	18	-92.35	0.20	-0.00
			Max. Mx	14	49.00	-0.60	0.01
			Max. My	20	-9.01	-0.05	-0.52
			Max. Vy	22	0.50	-0.46	-0.02
			Max. Vx	5	0.46	-0.03	-0.38
		Diagonal	Max Tension	16	6.24	0.00	0.00
			Max. Compression	16	-6.35	0.00	0.00
			Max. Mx	27	1.53	0.09	-0.01
			Max. My	31	-2.14	0.07	0.01
			Max. Vy	29	0.06	0.08	-0.01
			Max. Vx	31	-0.00	0.00	0.00
T5	120 - 100	Leg	Max Tension	7	100.32	-0.27	-0.00
			Max. Compression	18	-125.17	0.65	-0.00
			Max. Mx	18	-125.17	0.65	-0.00
			Max. My	8	-13.56	0.01	0.52
			Max. Vy	19	-0.10	0.65	-0.00
			Max. Vx	8	-0.11	0.01	0.52
		Diagonal	Max Tension	12	6.66	0.00	0.00
			Max. Compression	12	-6.61	0.00	0.00
			Max. Mx	27	1.96	0.12	-0.02
			Max. My	37	-1.59	0.11	-0.02
			Max. Vy	29	0.07	0.12	0.02
			Max. Vx	37	0.00	0.00	0.00
T6	100 - 80	Leg	Max Tension	7	124.71	-0.53	-0.00
			Max. Compression	18	-153.60	0.79	-0.00
			Max. Mx	18	-153.60	0.79	-0.00
			Max. My	4	-14.24	-0.07	-0.89
			Max. Vy	18	-0.11	0.79	-0.00
			Max. Vx	20	-0.15	-0.07	-0.88
		Diagonal	Max Tension	12	7.68	0.00	0.00
			Max. Compression	12	-7.72	0.00	0.00
			Max. Mx	27	2.45	0.20	0.03
			Max. My	30	2.05	0.19	0.03
			Max. Vy	29	0.10	0.19	-0.03
			Max. Vx	30	-0.01	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T7	80 - 60	Leg	Max Tension	7	150.81	-0.51	-0.00
			Max. Compression	18	-184.52	1.05	-0.00
			Max. Mx	18	-184.52	1.05	-0.00
			Max. My	4	-16.74	0.04	-0.86
			Max. Vy	18	-0.14	1.05	-0.00
			Max. Vx	21	0.13	-0.05	-0.70
		Diagonal	Max Tension	12	8.34	0.00	0.00
			Max. Compression	12	-8.49	0.00	0.00
			Max. Mx	27	2.30	0.26	-0.03
			Max. My	27	1.88	0.25	-0.03
			Max. Vy	29	0.12	0.25	-0.03
			Max. Vx	27	0.01	0.00	0.00
T8	60 - 40	Leg	Max Tension	7	174.35	-1.13	-0.00
			Max. Compression	18	-213.74	0.98	0.00
			Max. Mx	37	9.23	-1.97	-0.02
			Max. My	4	-18.93	-0.07	-1.07
			Max. Vy	37	0.30	-1.97	-0.02
			Max. Vx	8	-0.13	-0.07	1.05
		Diagonal	Max Tension	12	8.17	0.00	0.00
			Max. Compression	12	-8.16	0.00	0.00
			Max. Mx	29	1.32	0.32	-0.04
			Max. My	27	-2.14	0.28	-0.05
			Max. Vy	29	0.14	0.32	-0.05
			Max. Vx	27	0.01	0.00	0.00
T9	40 - 20	Leg	Max Tension	7	197.91	-1.03	-0.00
			Max. Compression	18	-242.96	1.67	-0.00
			Max. Mx	29	17.65	-4.03	-0.00
			Max. My	4	-21.45	-0.13	-1.33
			Max. Vy	37	0.66	-4.02	-0.02
			Max. Vx	4	-0.18	-0.13	-1.33
		Diagonal	Max Tension	12	9.39	0.00	0.00
			Max. Compression	12	-9.69	0.00	0.00
			Max. Mx	29	1.19	0.39	-0.04
			Max. My	27	3.26	0.33	-0.05
			Max. Vy	29	0.15	0.39	-0.04
			Max. Vx	27	0.01	0.00	0.00
T10	20 - 0	Leg	Max Tension	7	220.80	-1.09	0.00
			Max. Compression	18	-272.22	0.00	0.00
			Max. Mx	35	-121.09	4.13	0.00
			Max. My	4	-23.45	-0.21	-2.41
			Max. Vy	37	-0.79	-4.02	-0.02
			Max. Vx	4	-0.34	-0.21	-2.41
		Diagonal	Max Tension	12	9.75	0.00	0.00
			Max. Compression	10	-10.09	0.00	0.00
			Max. Mx	29	-0.47	0.52	-0.05
			Max. My	28	6.00	0.33	-0.06
			Max. Vy	29	0.17	0.52	-0.05
			Max. Vx	28	0.01	0.00	0.00

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Leg C	Max. Vert	18	279.53	27.51	-16.01
	Max. H_x	18	279.53	27.51	-16.01
	Max. H_z	7	-226.38	-23.04	13.42
	Min. Vert	7	-226.38	-23.04	13.42
	Min. H_x	7	-226.38	-23.04	13.42
	Min. H_z	18	279.53	27.51	-16.01
Leg B	Max. Vert	10	271.07	-26.21	-15.85
	Max. H_x	23	-216.96	21.75	13.24
	Max. H_z	23	-216.96	21.75	13.24
	Min. Vert	23	-216.96	21.75	13.24
	Min. H_x	10	271.07	-26.21	-15.85

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Leg A	Min. H_z	10	271.07	-26.21	-15.85
	Max. Vert	2	272.58	0.50	30.86
	Max. H_x	20	24.95	4.07	2.05
	Max. H_z	2	272.58	0.50	30.86
	Min. Vert	15	-217.33	-0.49	-25.67
	Min. H_x	9	19.61	-4.06	1.61
	Min. H_z	15	-217.33	-0.49	-25.67

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	62.06	0.00	0.00	-12.20	-6.82	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	74.47	0.06	-48.54	-5374.78	-19.55	21.44
0.9 Dead+1.0 Wind 0 deg - No Ice	55.85	0.06	-48.54	-5371.12	-17.50	21.44
1.2 Dead+1.0 Wind 30 deg - No Ice	74.47	24.28	-41.91	-4652.72	-2699.94	21.96
0.9 Dead+1.0 Wind 30 deg - No Ice	55.85	24.28	-41.91	-4649.06	-2697.90	21.96
1.2 Dead+1.0 Wind 60 deg - No Ice	74.47	41.17	-23.74	-2664.35	-4602.96	-4.63
0.9 Dead+1.0 Wind 60 deg - No Ice	55.85	41.17	-23.74	-2660.68	-4600.91	-4.63
1.2 Dead+1.0 Wind 90 deg - No Ice	74.47	46.35	-0.06	-25.21	-5225.39	-31.29
0.9 Dead+1.0 Wind 90 deg - No Ice	55.85	46.35	-0.06	-21.55	-5223.35	-31.29
1.2 Dead+1.0 Wind 120 deg - No Ice	74.47	41.70	23.98	2644.67	-4641.50	-26.34
0.9 Dead+1.0 Wind 120 deg - No Ice	55.85	41.70	23.98	2648.33	-4639.45	-26.34
1.2 Dead+1.0 Wind 150 deg - No Ice	74.47	22.87	39.57	4411.65	-2566.97	-18.33
0.9 Dead+1.0 Wind 150 deg - No Ice	55.85	22.87	39.57	4415.31	-2564.92	-18.33
1.2 Dead+1.0 Wind 180 deg - No Ice	74.47	-0.08	45.88	5114.98	6.39	-21.59
0.9 Dead+1.0 Wind 180 deg - No Ice	55.85	-0.08	45.88	5118.64	8.44	-21.59
1.2 Dead+1.0 Wind 210 deg - No Ice	74.47	-24.30	41.93	4626.29	2686.51	-22.17
0.9 Dead+1.0 Wind 210 deg - No Ice	55.85	-24.30	41.93	4629.95	2688.56	-22.17
1.2 Dead+1.0 Wind 240 deg - No Ice	74.47	-43.50	25.09	2753.32	4790.73	4.41
0.9 Dead+1.0 Wind 240 deg - No Ice	55.85	-43.50	25.09	2756.98	4792.78	4.41
1.2 Dead+1.0 Wind 270 deg - No Ice	74.47	-46.37	0.07	-2.68	5212.47	31.09
0.9 Dead+1.0 Wind 270 deg - No Ice	55.85	-46.37	0.07	0.99	5214.52	31.09
1.2 Dead+1.0 Wind 300 deg - No Ice	74.47	-39.41	-22.63	-2555.55	4425.92	26.15
0.9 Dead+1.0 Wind 300 deg - No Ice	55.85	-39.41	-22.63	-2551.89	4427.96	26.15
1.2 Dead+1.0 Wind 330 deg - No Ice	74.47	-22.86	-39.58	-4442.32	2548.89	18.45
0.9 Dead+1.0 Wind 330 deg - No Ice	55.85	-22.86	-39.58	-4438.66	2550.93	18.45
1.2 Dead+1.0 Ice+1.0 Temp	173.42	0.00	0.00	-39.19	-69.94	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	173.42	0.01	-15.46	-1744.42	-72.24	9.72
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	173.42	7.63	-13.18	-1502.50	-917.50	8.97
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	173.42	12.78	-7.38	-868.05	-1506.54	0.54
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	173.42	14.41	-0.01	-41.31	-1701.26	-7.14
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	173.42	12.69	7.31	781.24	-1496.32	-7.63
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	173.42	7.35	12.72	1382.55	-891.37	-6.97
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	173.42	-0.02	15.03	1630.49	-66.93	-9.76
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	173.42	-7.63	13.18	1424.76	778.26	-9.01
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	173.42	-13.16	7.59	808.12	1398.45	-0.58
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	173.42	-14.42	0.01	-36.76	1562.13	7.10
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	173.42	-12.32	-7.09	-841.13	1325.74	7.58
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	173.42	-7.34	-12.72	-1461.22	751.11	6.99
Dead+Wind 0 deg - Service	62.06	0.02	-13.45	-1484.34	-9.91	5.83
Dead+Wind 30 deg - Service	62.06	6.73	-11.62	-1286.04	-746.07	5.98

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead+Wind 60 deg - Service	62.06	11.42	-6.58	-740.01	-1268.87	-1.25
Dead+Wind 90 deg - Service	62.06	12.86	-0.02	-15.08	-1440.06	-8.51
Dead+Wind 120 deg - Service	62.06	11.56	6.65	718.22	-1279.36	-7.16
Dead+Wind 150 deg - Service	62.06	6.35	10.98	1204.00	-709.88	-4.99
Dead+Wind 180 deg - Service	62.06	-0.02	12.73	1397.21	-2.85	-5.87
Dead+Wind 210 deg - Service	62.06	-6.74	11.62	1262.42	733.23	-6.04
Dead+Wind 240 deg - Service	62.06	-12.05	6.95	747.79	1310.79	1.20
Dead+Wind 270 deg - Service	62.06	-12.86	0.02	-8.94	1427.36	8.46
Dead+Wind 300 deg - Service	62.06	-10.93	-6.28	-710.40	1211.51	7.11
Dead+Wind 330 deg - Service	62.06	-6.34	-10.98	-1228.78	695.78	5.02

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.00	-62.06	0.00	0.00	62.06	-0.00	0.000%
2	0.06	-74.47	-48.54	-0.06	74.47	48.54	0.000%
3	0.06	-55.85	-48.54	-0.06	55.85	48.54	0.000%
4	24.28	-74.47	-41.91	-24.28	74.47	41.91	0.000%
5	24.28	-55.85	-41.91	-24.28	55.85	41.91	0.000%
6	41.17	-74.47	-23.74	-41.17	74.47	23.74	0.000%
7	41.17	-55.85	-23.74	-41.17	55.85	23.74	0.000%
8	46.35	-74.47	-0.06	-46.35	74.47	0.06	0.000%
9	46.35	-55.85	-0.06	-46.35	55.85	0.06	0.000%
10	41.70	-74.47	23.98	-41.70	74.47	-23.98	0.000%
11	41.70	-55.85	23.98	-41.70	55.85	-23.98	0.000%
12	22.87	-74.47	39.57	-22.87	74.47	-39.57	0.000%
13	22.87	-55.85	39.57	-22.87	55.85	-39.57	0.000%
14	-0.08	-74.47	45.88	0.08	74.47	-45.88	0.000%
15	-0.08	-55.85	45.88	0.08	55.85	-45.88	0.000%
16	-24.30	-74.47	41.93	24.30	74.47	-41.93	0.000%
17	-24.30	-55.85	41.93	24.30	55.85	-41.93	0.000%
18	-43.50	-74.47	25.09	43.50	74.47	-25.09	0.000%
19	-43.50	-55.85	25.09	43.50	55.85	-25.09	0.000%
20	-46.37	-74.47	0.07	46.37	74.47	-0.07	0.000%
21	-46.37	-55.85	0.07	46.37	55.85	-0.07	0.000%
22	-39.41	-74.47	-22.63	39.41	74.47	22.63	0.000%
23	-39.41	-55.85	-22.63	39.41	55.85	22.63	0.000%
24	-22.86	-74.47	-39.58	22.86	74.47	39.58	0.000%
25	-22.86	-55.85	-39.58	22.86	55.85	39.58	0.000%
26	0.00	-173.42	0.00	0.00	173.42	-0.00	0.000%
27	0.01	-173.42	-15.46	-0.01	173.42	15.46	0.000%
28	7.63	-173.42	-13.18	-7.63	173.42	13.18	0.000%
29	12.78	-173.42	-7.38	-12.78	173.42	7.38	0.000%
30	14.41	-173.42	-0.01	-14.41	173.42	0.01	0.000%
31	12.69	-173.42	7.31	-12.69	173.42	-7.31	0.000%
32	7.35	-173.42	12.72	-7.35	173.42	-12.72	0.000%
33	-0.02	-173.42	15.03	0.02	173.42	-15.03	0.000%
34	-7.63	-173.42	13.18	7.63	173.42	-13.18	0.000%
35	-13.16	-173.42	7.59	13.16	173.42	-7.59	0.000%
36	-14.42	-173.42	0.01	14.42	173.42	-0.01	0.000%
37	-12.32	-173.42	-7.09	12.32	173.42	7.09	0.000%
38	-7.34	-173.42	-12.72	7.34	173.42	12.72	0.000%
39	0.02	-62.06	-13.45	-0.02	62.06	13.45	0.000%
40	6.73	-62.06	-11.62	-6.73	62.06	11.62	0.000%
41	11.42	-62.06	-6.58	-11.42	62.06	6.58	0.000%
42	12.86	-62.06	-0.02	-12.86	62.06	0.02	0.000%
43	11.56	-62.06	6.65	-11.56	62.06	-6.65	0.000%
44	6.35	-62.06	10.98	-6.35	62.06	-10.98	0.000%
45	-0.02	-62.06	12.73	0.02	62.06	-12.73	0.000%
46	-6.74	-62.06	11.62	6.74	62.06	-11.62	0.000%
47	-12.05	-62.06	6.95	12.05	62.06	-6.95	0.000%
48	-12.86	-62.06	0.02	12.86	62.06	-0.02	0.000%
49	-10.93	-62.06	-6.28	10.93	62.06	6.28	0.000%
50	-6.34	-62.06	-10.98	6.34	62.06	10.98	0.000%

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	192 - 180	4.087	47	0.1948	0.0166
T2	180 - 160	3.594	47	0.1917	0.0166
T3	160 - 140	2.812	47	0.1683	0.0148
T4	140 - 120	2.140	47	0.1426	0.0126
T5	120 - 100	1.565	47	0.1180	0.0098
T6	100 - 80	1.088	47	0.0964	0.0074
T7	80 - 60	0.708	47	0.0740	0.0055
T8	60 - 40	0.415	47	0.0547	0.0039
T9	40 - 20	0.202	47	0.0371	0.0025
T10	20 - 0	0.061	47	0.0189	0.0012

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
191.00	NNVV-65B-R4 w/ Mount Pipe	47	4.045	0.1947	0.0166	362297
182.00	(2) LPA-80080/4CF w/ Mount Pipe	47	3.676	0.1928	0.0166	178088
172.00	(3) 7130.16.33.00	47	3.272	0.1843	0.0161	65543
162.00	HBX-6516DS-VTM w/ Mount Pipe	47	2.886	0.1710	0.0151	38233
156.00	VHLP2-11W/A	47	2.668	0.1629	0.0144	37365
151.00	APXVAARR24_43-U-NA20 w/ Mount Pipe	47	2.496	0.1564	0.0139	41059
147.00	DC6-48-60-0-8C-EV	47	2.363	0.1513	0.0134	44602
142.00	7770.00 w/ Mount Pipe	47	2.202	0.1451	0.0129	49740
128.00	FFVV-65B-R2 w/ Mount Pipe	47	1.784	0.1275	0.0110	49856
99.00	58532A	47	1.067	0.0952	0.0073	49321

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	192 - 180	15.031	19	0.7156	0.0612
T2	180 - 160	13.220	19	0.7049	0.0610
T3	160 - 140	10.342	19	0.6199	0.0546
T4	140 - 120	7.864	19	0.5254	0.0464
T5	120 - 100	5.748	19	0.4345	0.0361
T6	100 - 80	3.993	19	0.3546	0.0272
T7	80 - 60	2.593	19	0.2722	0.0204
T8	60 - 40	1.517	19	0.2010	0.0143
T9	40 - 20	0.739	19	0.1362	0.0093
T10	20 - 0	0.221	19	0.0694	0.0043

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
191.00	NNVV-65B-R4 w/ Mount Pipe	19	14.879	0.7154	0.0612	107894
182.00	(2) LPA-80080/4CF w/ Mount Pipe	19	13.521	0.7087	0.0612	52877
172.00	(3) 7130.16.33.00	19	12.035	0.6782	0.0591	18418
162.00	HBX-6516DS-VTM w/ Mount Pipe	19	10.614	0.6300	0.0554	10650
156.00	VHLP2-11W/A	19	9.812	0.6002	0.0530	10412

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
151.00	APXVAARR24_43-U-NA20 w/ Mount Pipe	19	9.175	0.5764	0.0511	11450
147.00	DC6-48-60-0-8C-EV	19	8.685	0.5578	0.0495	12436
142.00	7770.00 w/ Mount Pipe	19	8.094	0.5347	0.0473	13855
128.00	FFVV-65B-R2 w/ Mount Pipe	19	6.553	0.4698	0.0403	13649
99.00	58532A	19	3.915	0.3506	0.0268	13349

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	192	Leg	A325N	0.6250	4	1.01	20.34	0.050	1.05	Bolt Tension
		Diagonal	A325N	0.6250	1	1.75	7.12	0.246	1.05	Member Block Shear
		Top Girt	A325N	0.6250	1	0.29	7.12	0.041	1.05	Member Block Shear
T2	180	Leg	A325N	0.6250	4	5.46	20.34	0.268	1.05	Bolt Tension
		Diagonal	A325N	0.6250	1	3.36	8.14	0.413	1.05	Member Block Shear
		Top Girt	A325N	0.6250	1	0.53	8.14	0.065	1.05	Member Block Shear
T3	160	Leg	A325N	0.8750	4	11.09	41.56	0.267	1.05	Bolt Tension
		Diagonal	A325N	0.6250	1	5.11	10.44	0.489	1.05	Gusset Bearing
T4	140	Leg	A325N	1.0000	4	17.94	54.52	0.329	1.05	Bolt Tension
		Diagonal	A325N	0.6250	1	6.24	10.44	0.598	1.05	Gusset Bearing
T5	120	Leg	A325N	1.0000	6	16.72	54.52	0.307	1.05	Bolt Tension
		Diagonal	A325N	0.7500	1	6.66	14.14	0.471	1.05	Member Bearing
T6	100	Leg	A325N	1.0000	6	20.78	54.52	0.381	1.05	Bolt Tension
		Diagonal	A325N	0.7500	1	7.68	14.14	0.543	1.05	Member Bearing
T7	80	Leg	A325N	1.0000	8	18.85	54.52	0.346	1.05	Bolt Tension
		Diagonal	A325N	0.7500	1	8.34	14.14	0.590	1.05	Member Bearing
T8	60	Leg	A325N	1.0000	8	21.79	54.52	0.400	1.05	Bolt Tension
		Diagonal	A325X	0.7500	1	8.17	17.67	0.462	1.05	Member Bearing
T9	40	Leg	A325N	1.0000	8	24.74	54.52	0.454	1.05	Bolt Tension
		Diagonal	A325X	0.7500	1	9.39	17.67	0.531	1.05	Member Bearing
T10	20	Diagonal	A325X	0.7500	1	9.75	18.92	0.515	1.05	Gusset Bearing

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	192 - 180	ROHN 2.5 STD	12.00	4.00	50.7 K=1.00	1.7040	-8.83	63.56	0.139 [1]
T2	180 - 160	ROHN 2.5 STD	20.03	5.01	63.4 K=1.00	1.7040	-30.36	57.14	0.531 [1]
T3	160 - 140	ROHN 3 EH	20.04	6.68	70.5 K=1.00	3.0159	-59.17	94.34	0.627 [1]
T4	140 - 120	ROHN 4 EH	20.04	6.68	54.3 K=1.00	4.4074	-92.35	159.90	0.578 [1]
T5	120 - 100	ROHN 5 EH	20.04	6.68	43.6	6.1120	-125.17	239.38	0.523 [1]

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T6	100 - 80	ROHN 6 EHS	20.04	10.02	K=1.00 54.0	6.7133	-153.60	244.05	0.629 [1]
T7	80 - 60	ROHN 6 EH	20.03	10.02	K=1.00 54.8	8.4049	-184.52	303.76	0.607 [1]
T8	60 - 40	ROHN 8 EHS	20.04	10.02	K=1.00 41.2	9.7193	-213.74	386.35	0.553 [1]
T9	40 - 20	ROHN 8 EHS	20.03	10.02	K=1.00 41.2	9.7193	-242.97	386.41	0.629 [1]
T10	20 - 0	ROHN 8 EHS	20.03	10.02	K=1.00 41.2	9.7193	-272.23	386.40	0.705 [1]
					K=1.00				

[1] P_u / ϕP_n controls

Diagonal Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T1	192 - 180	L1 3/4x1 3/4x3/16	7.70	3.59	125.3 K=1.00	0.6211	-1.84	11.33	0.163 [1]
T2	180 - 160	L2x2x3/16	9.69	4.72	143.8 K=1.00	0.7150	-3.30	9.90	0.334 [1]
T3	160 - 140	L2 1/2x2 1/2x1/4	12.24	6.03	147.3 K=1.00	1.1900	-5.24	15.69	0.334 [1]
T4	140 - 120	L2 1/2x2 1/2x1/4	14.07	6.90	168.6 K=1.00	1.1900	-6.35	11.99	0.530 [1]
T5	120 - 100	L3x3x1/4	15.94	7.77	157.6 K=1.00	1.4400	-6.61	16.60	0.398 [1]
T6	100 - 80	L3 1/2x3 1/2x1/4	19.21	9.45	163.4 K=1.00	1.6900	-7.72	18.11	0.426 [1]
T7	80 - 60	L4x4x1/4	20.93	10.30	155.4 K=1.00	1.9400	-8.49	22.99	0.369 [1]
T8	60 - 40	L4x4x5/16	22.87	11.21	170.1 K=1.00	2.4000	-8.16	23.74	0.344 [1]
T9	40 - 20	L4x4x5/16	24.69	12.08	183.2 K=1.00	2.4000	-9.69	20.46	0.473 [1]
T10	20 - 0	L4x4x3/8	26.51	13.00	198.0 K=1.00	2.8600	-10.09	20.88	0.483 [1]

[1] P_u / ϕP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T1	192 - 180	L1 3/4x1 3/4x3/16	6.58	6.09	212.8 K=1.00	0.6211	-0.25	3.93	0.063 [1]
T2	180 - 160	KL/R > 200 (C) - 5 L2x2x3/16	6.58	6.09	185.5 K=1.00	0.7150	-0.53	5.95	0.089 [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	192 - 180	ROHN 2.5 STD	12.00	4.00	50.7	1.7040	4.04	76.68	0.053 [1]
T2	180 - 160	ROHN 2.5 STD	20.03	5.01	63.4	1.7040	21.83	76.68	0.285 [1]
T3	160 - 140	ROHN 3 EH	20.04	6.68	70.5	3.0159	44.35	135.72	0.327 [1]
T4	140 - 120	ROHN 4 EH	20.04	6.68	54.3	4.4074	71.75	198.34	0.362 [1]
T5	120 - 100	ROHN 5 EH	20.04	6.68	43.6	6.1120	100.33	275.04	0.365 [1]
T6	100 - 80	ROHN 6 EHS	20.04	10.02	54.0	6.7133	124.71	302.10	0.413 [1]
T7	80 - 60	ROHN 6 EH	20.03	10.02	54.8	8.4049	150.81	378.22	0.399 [1]
T8	60 - 40	ROHN 8 EHS	20.04	10.02	41.2	9.7193	174.35	437.37	0.399 [1]
T9	40 - 20	ROHN 8 EHS	20.03	10.02	41.2	9.7193	197.91	437.37	0.453 [1]
T10	20 - 0	ROHN 8 EHS	20.03	10.02	41.2	9.7193	220.80	437.37	0.505 [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	192 - 180	L1 3/4x1 3/4x3/16	7.70	3.59	82.9	0.3604	1.75	15.68	0.111 [1]
T2	180 - 160	L2x2x3/16	9.69	4.72	94.3	0.4308	3.36	18.74	0.179 [1]
T3	160 - 140	L2 1/2x2 1/2x1/4	12.24	6.03	96.0	0.7519	5.11	32.71	0.156 [1]
T4	140 - 120	L2 1/2x2 1/2x1/4	14.07	6.90	109.6	0.7519	6.24	32.71	0.191 [1]
T5	120 - 100	L3x3x1/4	15.94	7.77	102.0	0.9159	6.66	44.65	0.149 [1]
T6	100 - 80	L3 1/2x3 1/2x1/4	19.21	9.45	105.5	1.1034	7.68	53.79	0.143 [1]
T7	80 - 60	L4x4x1/4	20.93	10.30	100.1	1.2909	8.34	62.93	0.133 [1]
T8	60 - 40	L4x4x5/16	22.87	11.21	109.8	1.5949	8.17	77.75	0.105 [1]
T9	40 - 20	L4x4x5/16	24.69	12.08	118.2	1.5949	9.39	77.75	0.121 [1]
T10	20 - 0	L4x4x3/8	26.51	13.00	128.2	1.8989	9.75	92.57	0.105 [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	192 - 180	L1 3/4x1 3/4x3/16	6.58	6.09	141.7	0.3604	0.29	15.68	0.018 [1]
T2	180 - 160	L2x2x3/16	6.58	6.09	123.3	0.4308	0.53	18.74	0.028 [1]

[1] P_u / ϕP_n controls

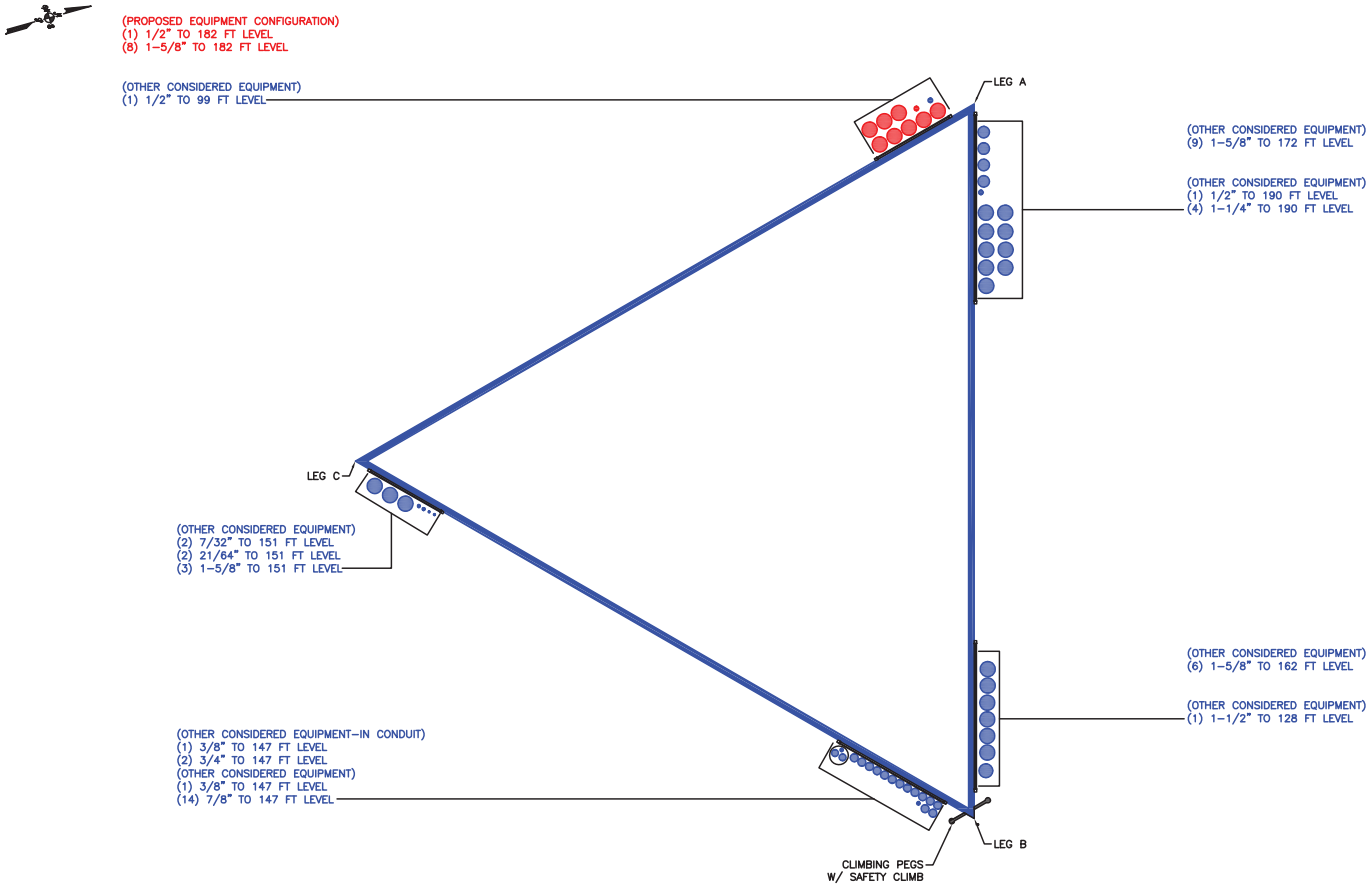
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T1	192 - 180	Leg	ROHN 2.5 STD	1	-8.83	66.74	13.2	Pass
T2	180 - 160	Leg	ROHN 2.5 STD	27	-30.36	60.00	50.6	Pass
T3	160 - 140	Leg	ROHN 3 EH	55	-59.17	99.05	59.7	Pass
T4	140 - 120	Leg	ROHN 4 EH	76	-92.35	167.89	55.0	Pass
T5	120 - 100	Leg	ROHN 5 EH	97	-125.17	251.35	49.8	Pass
T6	100 - 80	Leg	ROHN 6 EHS	118	-153.60	256.25	59.9	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T7	80 - 60	Leg	ROHN 6 EH	133	-184.52	318.94	57.9	Pass
T8	60 - 40	Leg	ROHN 8 EHS	148	-213.74	405.67	52.7	Pass
T9	40 - 20	Leg	ROHN 8 EHS	163	-242.97	405.73	59.9	Pass
T10	20 - 0	Leg	ROHN 8 EHS	178	-272.23	405.72	67.1	Pass
T1	192 - 180	Diagonal	L1 3/4x1 3/4x3/16	12	-1.84	11.89	15.5	Pass
							23.4 (b)	
T2	180 - 160	Diagonal	L2x2x3/16	36	-3.30	10.39	31.8	Pass
							39.3 (b)	
T3	160 - 140	Diagonal	L2 1/2x2 1/2x1/4	63	-5.24	16.48	31.8	Pass
							46.6 (b)	
T4	140 - 120	Diagonal	L2 1/2x2 1/2x1/4	84	-6.35	12.59	50.4	Pass
							56.9 (b)	
T5	120 - 100	Diagonal	L3x3x1/4	102	-6.61	17.43	37.9	Pass
							44.9 (b)	
T6	100 - 80	Diagonal	L3 1/2x3 1/2x1/4	123	-7.72	19.02	40.6	Pass
							51.7 (b)	
T7	80 - 60	Diagonal	L4x4x1/4	138	-8.49	24.14	35.2	Pass
							56.2 (b)	
T8	60 - 40	Diagonal	L4x4x5/16	153	-8.16	24.92	32.7	Pass
							44.0 (b)	
T9	40 - 20	Diagonal	L4x4x5/16	168	-9.69	21.48	45.1	Pass
							50.6 (b)	
T10	20 - 0	Diagonal	L4x4x3/8	183	-10.09	21.93	46.0	Pass
							49.1 (b)	
T1	192 - 180	Top Girt	L1 3/4x1 3/4x3/16	5	-0.25	4.12	6.0	Pass
T2	180 - 160	Top Girt	L2x2x3/16	29	-0.53	6.24	8.4	Pass
							Summary	
						Leg (T10)	67.1	Pass
						Diagonal (T4)	56.9	Pass
						Top Girt (T2)	8.4	Pass
						Bolt Checks	56.9	Pass
						RATING =	**67.1**	**Pass**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 876345 TOWER ID:C_BASELEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

Self Support Anchor Rod Capacity

Site Info	
BU #	876345
Site Name	Sky Hill
Order #	654602 Rev. 0

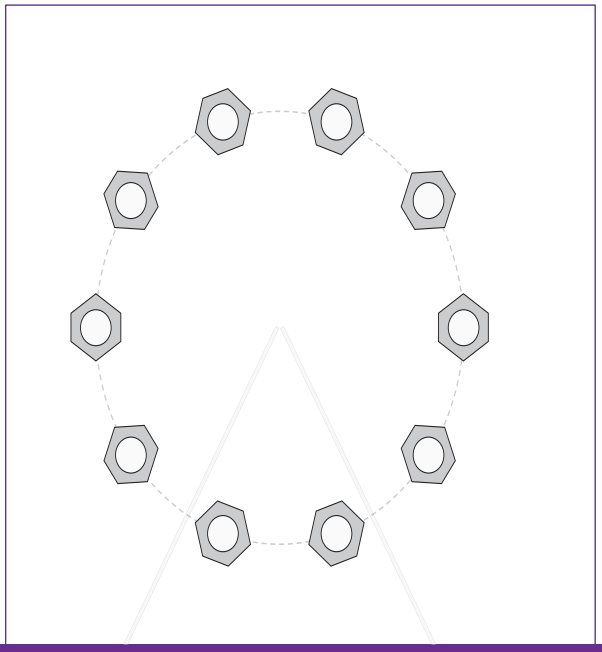
Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	Yes
l_{ar} (in)	1.5

Applied Loads		
	Comp.	Uplift
Axial Force (kips)	279.53	226.38
Shear Force (kips)	31.83	26.66

**TIA-222-H Section 15.5 Applied*

Considered Eccentricity	
Leg Mod Eccentricity (in)	0.000
Anchor Rod N.A Shift (in)	0.000
Total Eccentricity (in)	0.000

**Anchor Rod Eccentricity Applied*



Connection Properties

Anchor Rod Data

(10) 1" ø bolts (A354-BC N; Fy=109 ksi, Fu=125 ksi)

l_{ar} (in): 1.5

Analysis Results

Anchor Rod Summary *(units of kips, kip-in)*

Pu_t = 22.64	ϕPn_t = 56.81	**Stress Rating**
Vu = 2.67	ϕVn = 36.82	**37.9%**
Mu = n/a	ϕMn = n/a	**Pass**

Drilled Pier Foundation

BU # :	876345
Site Name:	Sky Hill
Order Number:	654602 Rev. 0
TIA-222 Revison:	H
Tower Type:	Self Support

Check Limitation	
Apply TIA-222-H Section 15.5:	☑
N/A	☐
Design Options	
Input Effective Depths (else Actual):	☐
Consider non-tapered moment capacity:	☐
Check Shear along Depth of Pier:	☑
Utilize Shear-Friction Methodology:	☐
Override Critical Depth:	☐

Go to Soil Calculations

Applied Loads	Comp.	Uplift
Moment (kip-ft)	0	0
Axial Force (kips)	279.53	226.38
Shear Force (kips)	31.83	26.66

Material Properties		
Concrete Strength, f'c:	3	ksi
Rebar Strength, Fy:	60	ksi
Tie Yield Strength, Fyt:	60	ksi

Pier Design Data		
Depth	26	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 26' below grade		
Pier Diameter	5	ft
Rebar Quantity	18	
Rebar Size	9	
Rebar Cage Diameter	51	in
Tie Size	5	
Tie Spacing	12	in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check	*Compression*	*Uplift*
$D_{v=0}$ (ft from TOC)	11.53	11.53
Soil Safety Factor	44.17	52.74
Max Moment (kip-ft)	253.74	212.52
Rating*	*2.9%*	*2.4%*
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	519.54	519.54
End Bearing (kips)	375.00	-
Weight of Concrete (kips)	93.66	70.24
Total Capacity (kips)	894.54	589.78
Axial (kips)	373.19	226.38
Rating*	*39.7%*	*36.6%*
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	11.79	10.90
Critical Moment (kip-ft)	253.58	211.79
Critical Moment Capacity	2304.74	1708.66
Rating*	*10.5%*	*11.8%*
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	19.01	0.00
Critical Shear (kip)	33.89	26.66
Critical Shear Capacity	483.00	278.92
Rating*	*6.7%*	*9.1%*

Structural Foundation Rating*	**11.8%**
Soil Interaction Rating*	**39.7%**

*Rating per TIA-222-H Section 15.5

Soil Profile

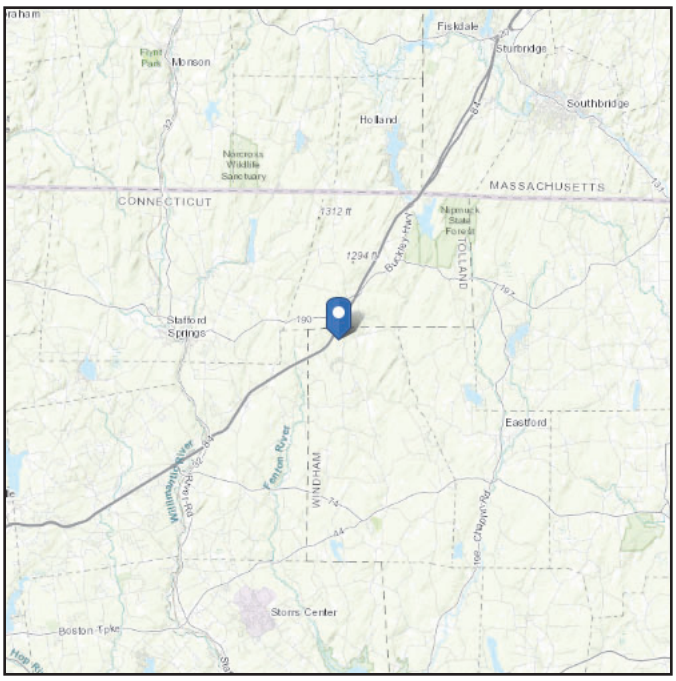
Groundwater Depth	N/A
# of Layers	4

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	2	2	120	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	2	3.33	1.33	130	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
3	3.33	5	1.67	130	150	3	0	1.650	1.650	0.00	0.00			Cohesive
4	5	26	21	135	150	5	0	2.321	2.321	2.10	2.10	25.46479		Cohesive

ASCE Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Latitude:**	41.952139
Risk Category:	II	**Longitude:**	-72.195528
Soil Class:	D - Default (see Section 11.4.3)	**Elevation:**	1066.1276209828807 ft (NAVD 88)



Wind

Results:

Wind Speed	118 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	98 Vmph

Data Source:	ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed:	Mon Jan 22 2024

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

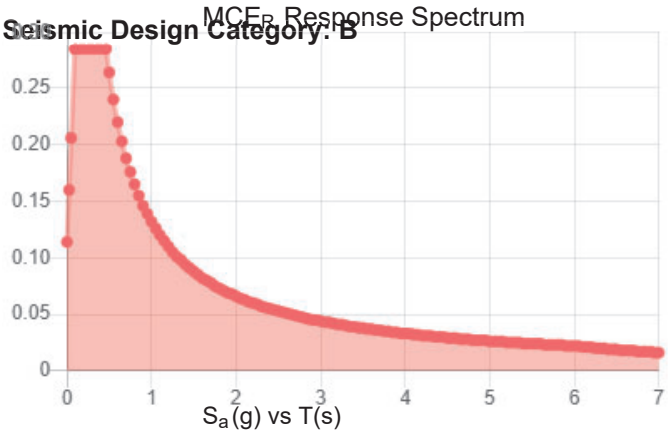
Seismic

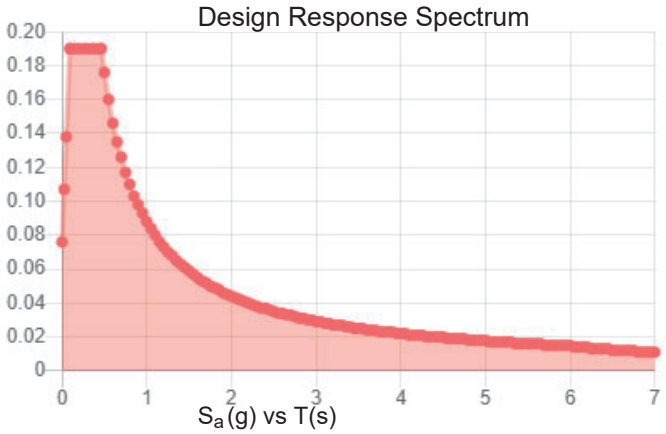
Site Soil Class: D - Default (see Section 11.4.3)

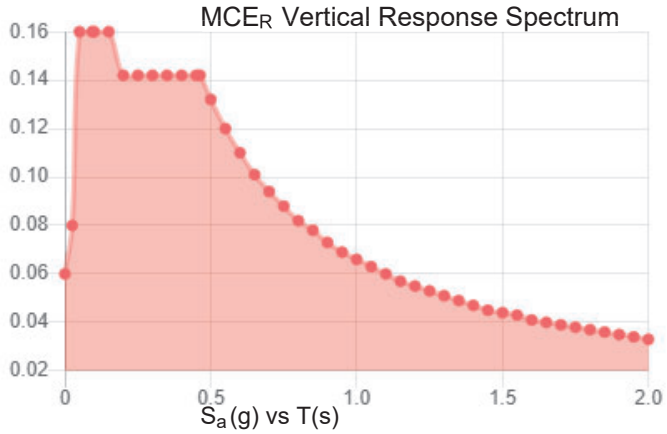
Results:

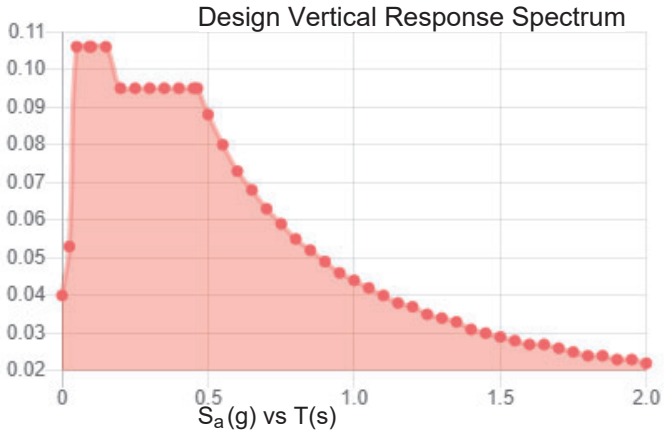
S_S :	0.178	S_{D1} :	0.088
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.095
F_v :	2.4	PGA_M :	0.151
S_{MS} :	0.285	F_{PGA} :	1.6
S_{M1} :	0.132	I_e :	1
S_{DS} :	0.19	C_v :	0.7

Seismic Design Category: B









Data Accessed: Mon Jan 22 2024

Date Source:
USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	1.50 in.
Concurrent Temperature:	5 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Mon Jan 22 2024

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

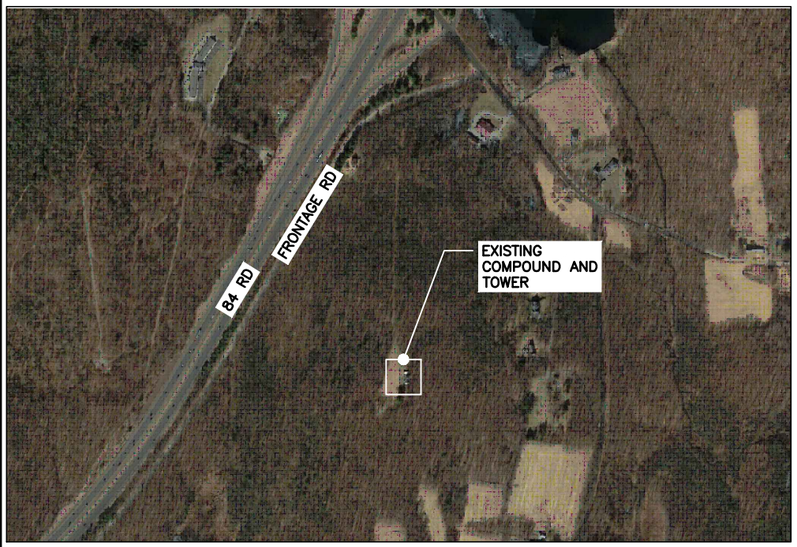
Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

NOTE:
AN ANALYSIS OF THE CAPACITY OF THE STRUCTURE TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY MORRISON HERSHFIELD DATED JANUARY 22, 2024.

LEASE EXHIBIT:
THIS LEASE EXHIBIT IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE PROPOSED WIRELESS COMMUNICATION FACILITY. THE SITE LAYOUT WILL BE FINALIZED UPON COMPLETION OF THE SITE SURVEY AND FACILITY DESIGN.

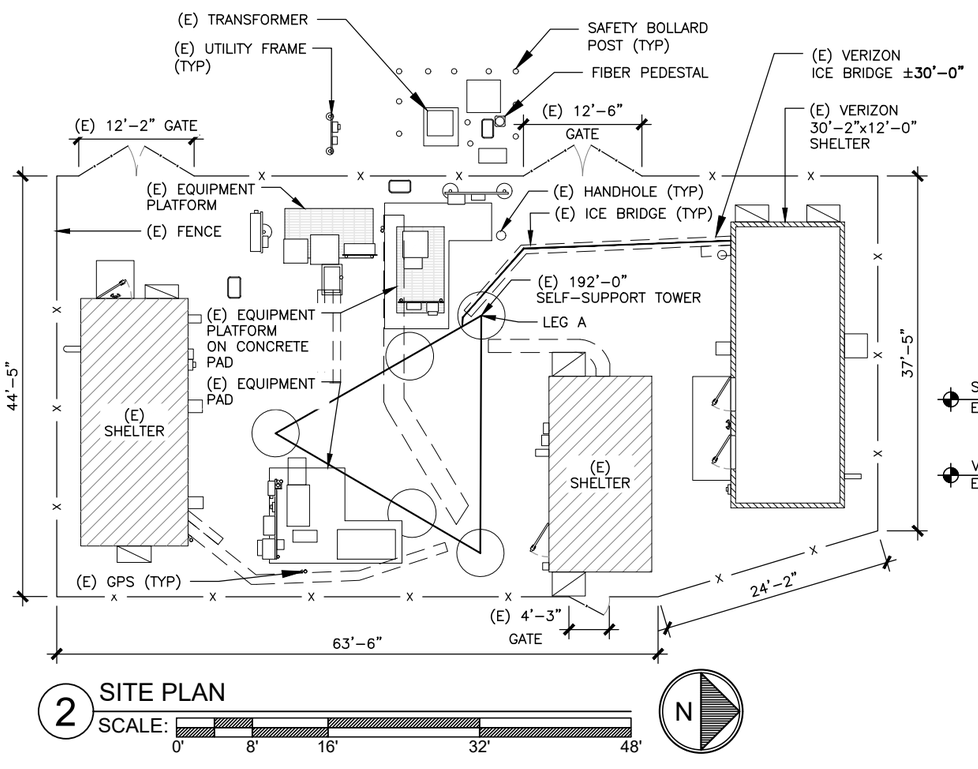
LOCATION MAP
N.T.S

APPROXIMATE COORDINATES:	LATITUDE:	41° 57' 7.65" N	41.952138° N
	LONGITUDE:	72° 11' 43.94" W	72.195527° W



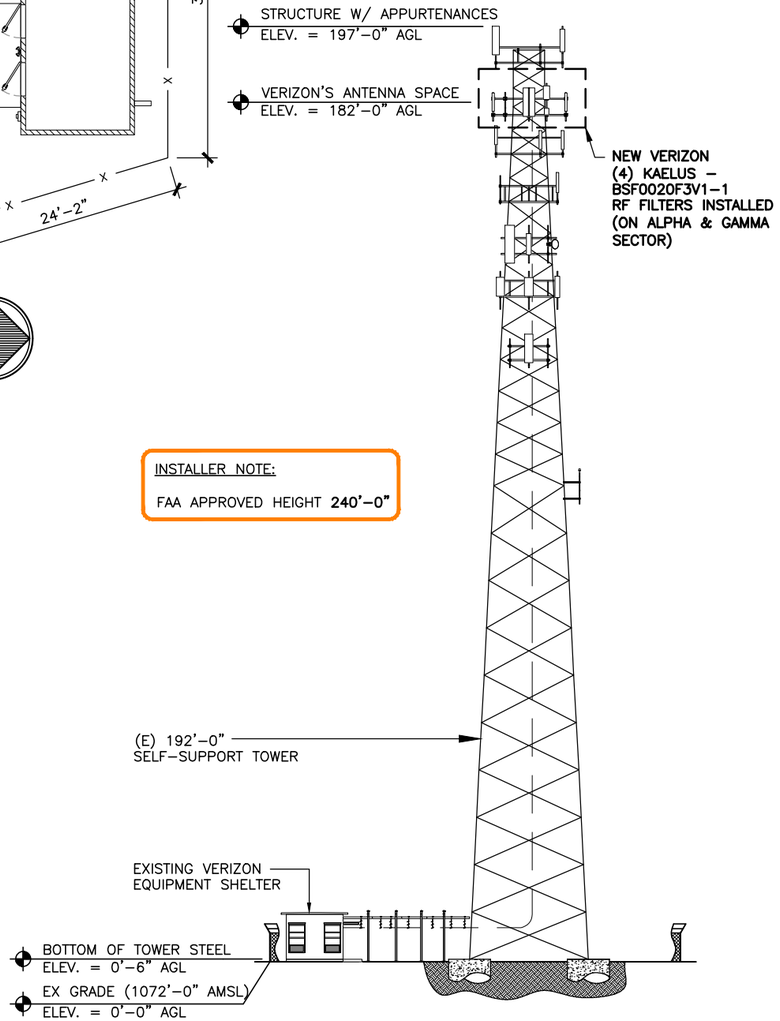
N

1 PARTIAL SITE / KEY PLAN
SCALE: N.T.S.



2 SITE PLAN
SCALE: 0' 8' 16' 32' 48'

N



3 TOWER ELEVATION
SCALE: N.T.S

verizon
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

B+T GRP
MTS ENGINEERING, P.L.L.C.
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
btwo@btgrp.com

WESTFORD CT

33 JANOWSKI ROAD
ASHFORD, CT 06278

EXISTING SELF-SUPPORT TOWER

PROJECT NO:	77921.019.01
CHECKED BY:	TDG

ISSUED FOR:

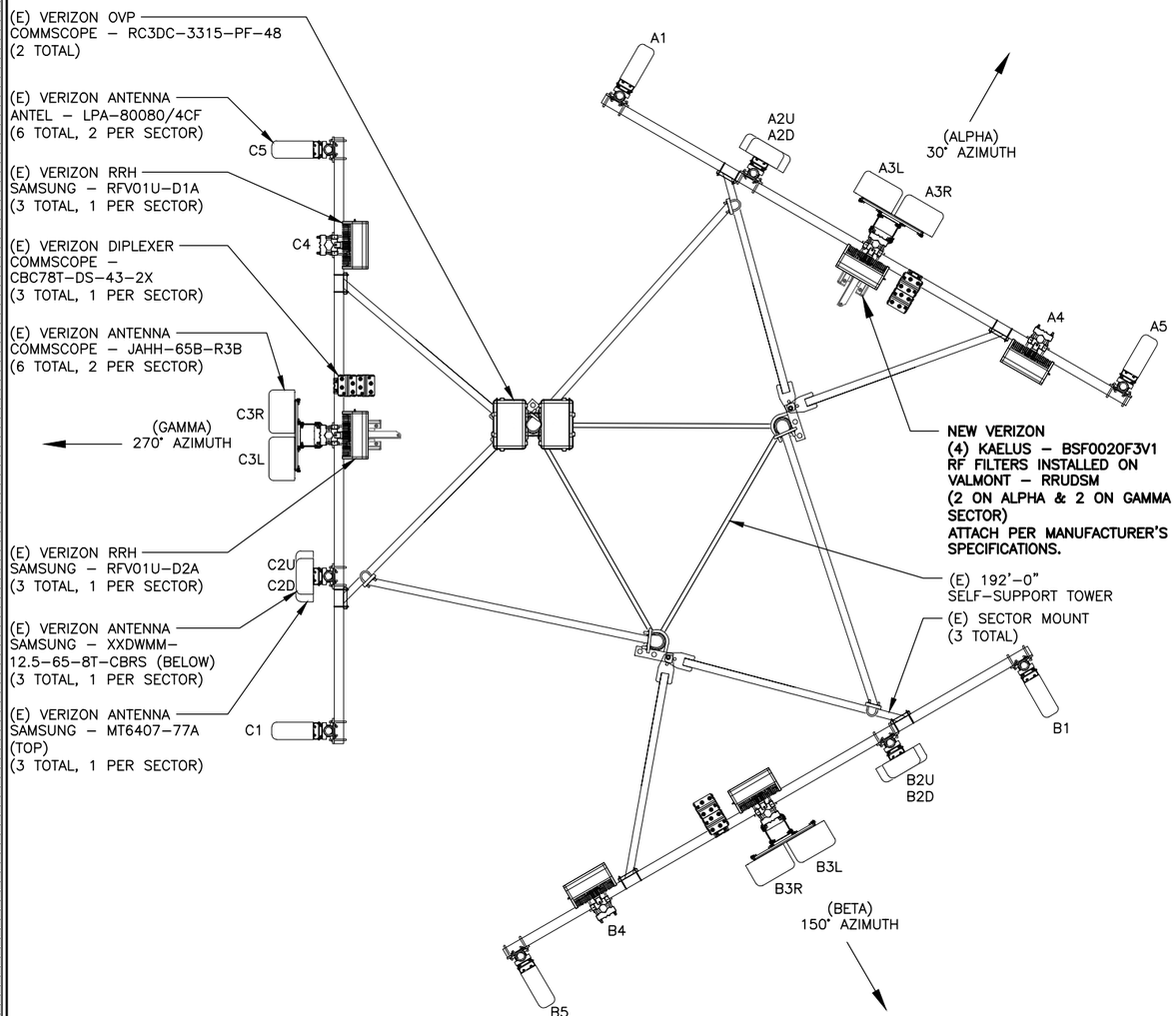
REV	DATE	DRWN	DESCRIPTION
0	3/28/24	BLB	CONSTRUCTION

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

STATE OF CONNECTICUT
CHAD L. BUTLER
No. 23924
LICENSED
PROFESSIONAL ENGINEER
3/28/24

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER:	REVISION:
LE-1	0

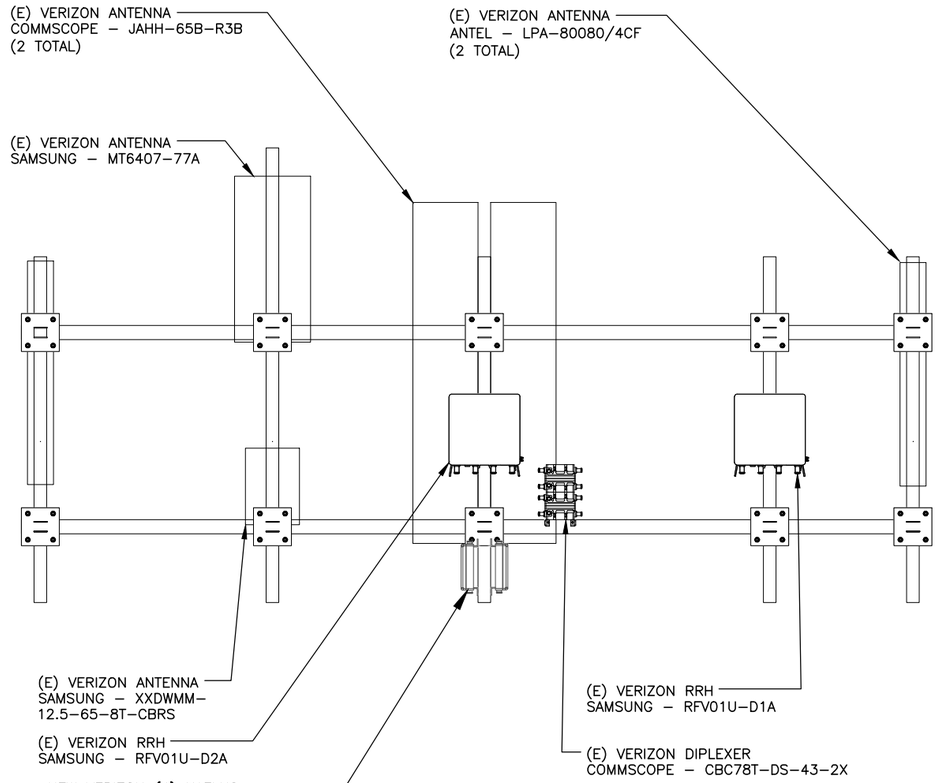


NOTE:

ANTENNA POSITIONS LABELED PER MOUNT ANALYSIS

1 NEW RF FILTER PLAN

SCALE: 0' 1' 2' 4' 10'



NOTE:

ELEVATION VIEW FROM BEHIND ANTENNAS

2 NEW RF FILTER ELEVATION(ALPHA &GAMMA SECTOR)

SCALE: 0' 1' 2' 4' 8'

N

verizon

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

B+T GRP

MTS ENGINEERING, P.L.L.C.
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
btwo@btgrp.com

WESTFORD CT

33 JANOWSKI ROAD
ASHFORD, CT 06278

EXISTING SELF-SUPPORT TOWER

PROJECT NO:	77921.019.01
CHECKED BY:	TDG

ISSUED FOR:

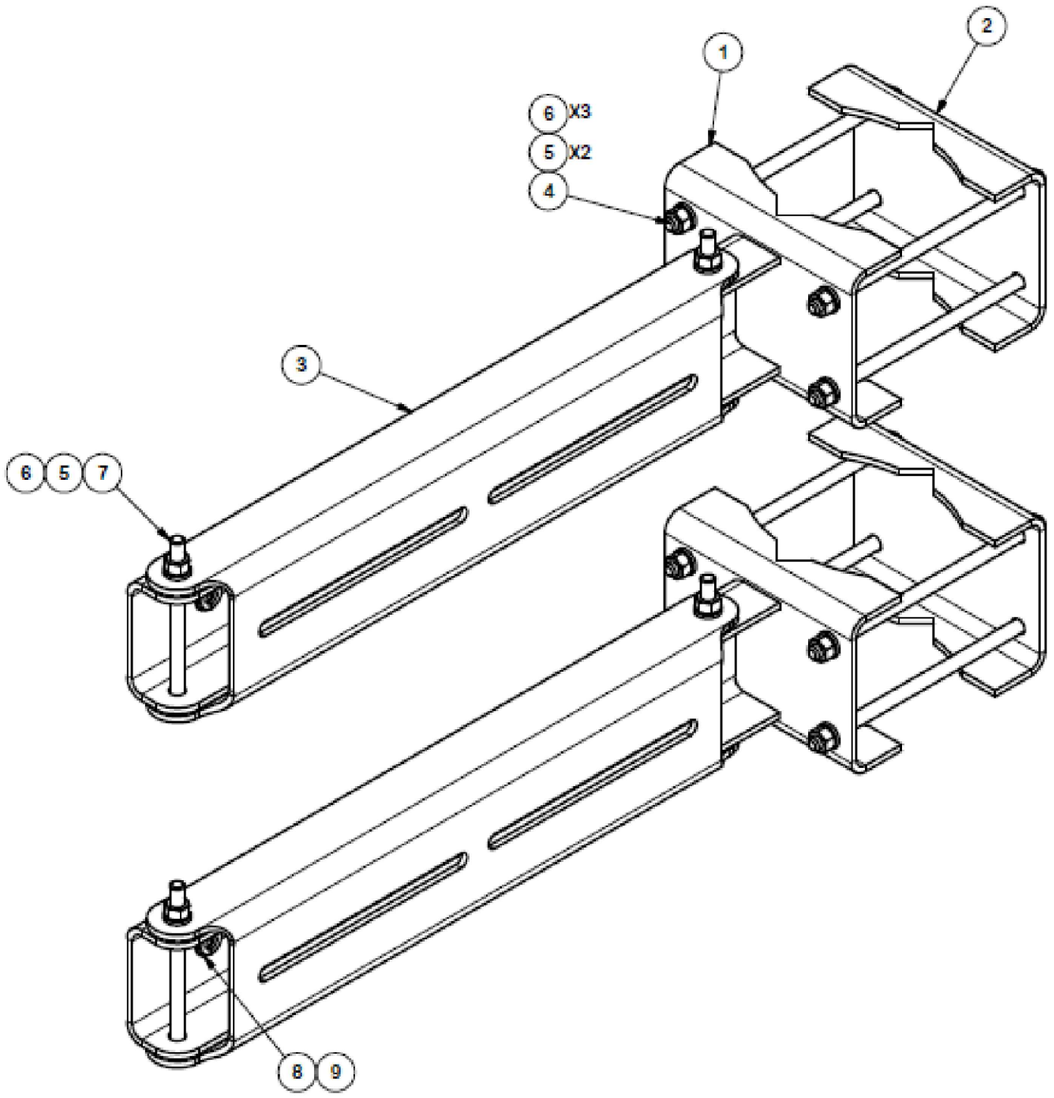
REV	DATE	DRWN	DESCRIPTION
0	3/28/24	BLB	CONSTRUCTION

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

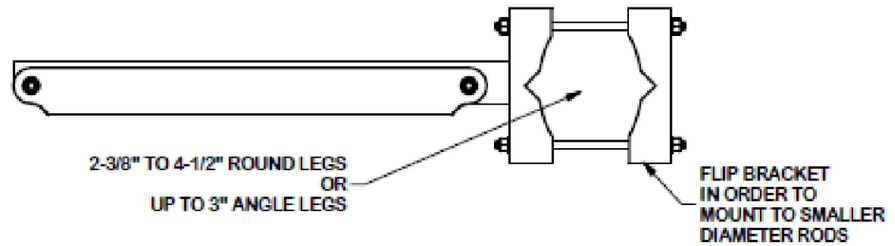
STATE OF CONNECTICUT
CHAD BUTLER
No. 23924
LICENSED
PROFESSIONAL ENGINEER
3/28/24

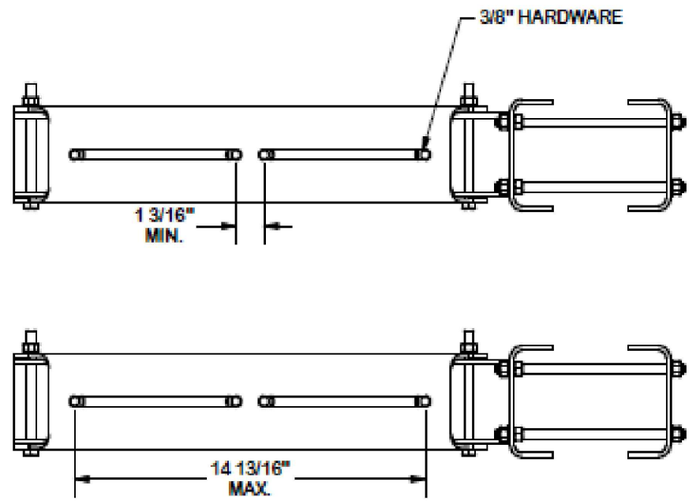
SHEET NUMBER: LE-2

REVISION: 0



PARTS LIST					
ITEM	QTY	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	MOUNTING ARM		8.99	17.97
2	2	CLAMP PLATE		2.35	4.69
3	2	SWIVEL MOUNT		6.65	13.30
4	8	3/8"-16 UNC X 8" GALV. THREADED ROD		0.25	2.00
5	20	3/8" GALV LOCK WASHER		0.01	0.13
6	28	3/8"-16 UNC GALV HEX NUT		0.02	0.52
7	4	3/8" X 5" GALV BOLT		0.18	0.71
8	8	3/8" SS FLAT WASHER		0.01	0.06
9	8	3/8" SS LOCK WASHER		0.01	0.05
				TOTAL WT. #	39.43





TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES ***(± 0.030")***
DRILLED AND GAS CUT HOLES ***(± 0.030")*** **- NO CONING OF HOLES**
LASER CUT EDGES AND HOLES ***(± 0.010")*** **- NO CONING OF HOLES**
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING ***(± 0.050")***
ALL OTHER ASSEMBLY ***(± 0.060")***

DESCRIPTION
RRU
DUAL SWIVEL MOUNT

SITE PRO 1
A valmont COMPANY

Engineering Support Team: 1-888-753-7446

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

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DALLAS TX
32-61/1110

2952472

SIX HUNDRED TWENTY FIVE AND 00/100********** DATE 04/11/24 $*******625.00

Pay To The Order Of Connecticut Siting Council
Ten Franklin Square
New Britain CT 06051

2695915

Robert A Colle VP and Controller
Assistant Secretary

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⑈2952472⑈ ⑆111000614⑆ 1034104531⑈

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Check Date 04/11/24

Stub 1 of 1

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			625.00	625.00

Ashford
876345