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

March 20, 2024

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

RE: **Notice of Exempt Modification for Verizon Wireless: 5000248064**
Crown Site ID# 825983
90 Industrial Park Road, Middletown, CT 06457
Latitude: 41° 35′ 8.3″ / Longitude: -72° 42′ 50.49″

Dear Ms. Bachman:

Verizon Wireless currently maintains twelve (12) antennas at the 156-foot mount on the existing 185-foot monopole tower located at 90 Industrial Park Road, Middletown, CT. The property is owned Airline Avenue Realty LLC and the tower is owned by Crown Castle. Verizon now intends to add two (2) interference mitigation filters at the 156ft 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:
(2) Kaelus BSF0020F3V1- Interference Mitigation Filters

The facility was approved by the City of Middletown on January 28, 1998.

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 Bengamin Florsheim, Mayor, City of Middletown Thomas Hazel, ZEO, City of Middletown. Airline Avenue Realty LLC is the landowner and Crown Castle is the 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:

Bengamin Florsheim, Mayor
City of Middletown
245 deKoven Drive, room 209
Middletown, CT 06457
860-638-4801

Thomas Hazel, ZEO
City of Middletown
245 deKoven Drive
Middletown, CT 06457
860-638-4594

Airline Avenue Realty LLC
15 Mullen Road
Enfield, CT 06082

Crown Castle, Tower Owner

LEGAL NOTICE

NOTICE OF DECISION BY THE MIDDLETOWN PLANNING AND ZONING COMMISSION at its meeting of January 28, 1998

1. Denied without prejudice a request for release of the cash bond for Wesleyan Hills PRD, Red Area Section III. Applicant/agent Larsen, St. John & Johnson, P.C./Atty. Frank St. John PRD

2. Denied without prejudice a request for release of the cash bond for Longhill Meadows Subdivision located off South Main Street. Applicant/agent Krasow, Garlick & Hadley, LLC/Atty. Herbert A. Krasow S87-32

3. Denied without prejudice a request for release of the cash bond for Richards Brook Subdivision, Lots #2 and #3, located on Kenneth Dooley Drive. Applicant/agent Tyler Cooper & Alcorn, LLP/Atty. Barry M. Winnick S89-6

4. Granted Final Approval of a portion of Pond Place in Section 3 of The Meadows at Riverbend Subdivision located off East Street with the condition that all departmental comments be addressed and that a cash bond in the amount of $45,000 be posted. Applicant/agent Tuttle Road Associates/Robert C. Fusari, President S93-3

5. Granted a one (1) year extension of the Special Exception approval for the Connecticut Beverage Mart Plaza located at 955 Washington Street. Applicant/agent 3127 Berlin Turnpike Associates/Brigham S. Metcalfe SE95-6

6. Denied without prejudice a proposed Zoning Code text amendment to modify Section 42 Protection of Water Sources. Applicant/agent City of Middletown Water and Sewer Department/Guy P. Russo, Director Z97-7

7. Granted a Special Exception for construction of a 185 foot monopole and installation of associated antennae and equipment for up to three (3) wireless communication providers at the Dainty Rubbish facility at 90 Industrial Park Road with the condition that all staff comments and conditions be addressed and adhered to. Applicant/agent Omnipoint Communications, Inc./Thomas M. Gilligan SE97-18

8. Granted a Special Exception to convert a former insurance business to a new use as a home for the aged and a rest home at 26 Silver Street with the following conditions: 1) there be no nurse on the premises; 2) no residents are to be older than fifty-five (55) years of age; 3) all residents are to administer their own medication; and 4) any modification to the structure are to be approved by the Design Preservation Board. Applicant/agent Deonarine and Neeta Dhanraj/Atty. Owen P. Eagan SE97-19

SE 97-18

INITIAL APPLICATION FOR LAND-USE IN MIDDLETOWN, CT

Please fill out this application so we will know who you are, what you are applying to do, and how to contact you. With this basic information we will evaluate your project as it relates to City regulations as quickly as possible. Thank you for your cooperation.

GENERAL INFORMATION ABOUT THE PEOPLE INVOLVED Date 11-6-97
Applicant: OMNIPOINT COMMUNICATIONS, INC. Phone#(203) 359-1280
Address: 1515 SUMMER ST. City STAMFORD State CT Zip 06905
Agent: THOMAS M. GILLIGAN Phone#(203) 359-1280
Address: 1515 SUMMER ST. City STAMFORD State CT Zip 06905

WHAT ARE YOU APPLYING TO DO? (CHECK ONE OR MORE)

( ) Add an addition to a single/two family dwelling to be used for _____
( ) Construct a single family dwelling (A-2 survey required)
( ) Add an addition to a multi-family or non-residential building to be used for (A-2 survey required) _____
( ) Convert an existing building from present use as _____ to a new use as _____
( ) Construct one or more new buildings to be used for (A-2 survey required) _____
( ) Subdivide land into building lots (A-2 survey required)
( ) Change the text of the Zoning Code or amend the Zoning Map
( ) Install a sign
( ) Start a Residential Unit Business Pursuit
( ) Application for Zoning Board of Appeals
( ) Extract Natural Resources like sand or gravel or fill an area
(✓) Other WIRELESS COMMUNICATIONS MONOPOLE, ASSOCIATED ANTENNAE AND EQUIPMENT DESIGNED FOR UP TO THREE CARRIERS

97 NOV -6 PM 4:28
DEPT. PLANNING & ZONING

FACTS ABOUT LAND PROPOSED FOR USE
Landowner: PHILIP ARMETTA Location: 90 INDUSTRIAL PARK ROAD
Zone IT Lot Area 2.54A. Tax Assessor's Map 6 Block 22 Lot 6B1
Is this project within 500' of a Municipal Boundary? Yes _____ No ✓
Is this project located in a FEMA 100 or 500 year flood plain? Yes _____ No ✓
Utilities Available: City Water (✓); Private Well ( ); City Sewer (✓); Private Septic ( )

SIGNATURE OF I.W.A. STAFF

DATE APPLIED _____
( ) PERMIT REQUIRED
(✓) PERMIT NOT REQUIRED
( ) IWA REVIEW REQUIRED

[X] Meets Zoning Requirements

Wayne J. Bell
ZONING ENFORCEMENT OFFICER
MARCH 6, 1998
DATE
9/17/97
DATE OF APPROVED PLANS

SIGNATURE OF APPLICANT/AGENT**

Philip C. Armetta
SIGNATURE OF OWNER**

**Both signatures required. I certify that the above information and plans submitted are true and correct, and that, if required, an application for an Inland/Wetlands permit has been filed before or on the same day as the filing of this application with the P&Z Commission.

Pd. $110.00
CK # 1846
11/7/97

SPECIAL EXCEPTION FORM

MIDDLETOWN, CONNECTICUT

PLANNING & ZONING COMMISSION

A. GENERAL INFORMATION ABOUT APPLICANT (Please type or print clearly)
Name OMNIPOINT COMMUNICATIONS, INC Date 11-6-97
Address 1515 SUMMER STREET Phone 203-359-1280
Agent THOMAS M. GILLIGAN Phone 203-359-1280

B. DESCRIPTION OF PREMISES
Owner of Record PHILIP ARMETTA
Location 90 INDUSTRIAL PARK ROAD
Deed Filed in Town Clerk's Office on
Map File# Vol. & Page# 505 : 134
Zone IT Current Use OFFICE & BULKY WASTE TRANSFER STA.
Relevant Zoning Code Provision SECTION 61
NOTE: A legal description of the premises to be affected by the Special Exception must be attached to this form.

C. NATURE OF SPECIAL EXCEPTION
CONSTRUCTION OF A 185 FOOT MONOPOLE AND INSTALLATION OF ASSOCIATED ANTENNAE AND EQUIPMENT FOR UP TO 3 WIRELESS COMMUNICATIONS PROVIDERS

Signature of Applicant or Agent

Signature of Owner
*Both Signatures Required

NOTE: An approved Special Exception will not be effective until a copy of this certification is recorded in the Middletown Town Clerk's Office.

The owner, applicant and\or other authorized agent hereby grant the Middletown Planning and Zoning Commission and\or its agents permission to enter upon the property for which the Special Exception application has been filed for the purpose of inspection and enforcement of the Regulations of the City of Middletown.

Staff Comments

D. CERTIFICATION OF COMMISSION RESPONSE
Dates Legal Notices Published 1/16/98 ; 1/23/98
Date of Public Hearing 1/28/98
Final Action: Disapproved Approved X
Zoning Regulation to which Special Exception is granted Sec. 61
Date Notice of Decision Published 2/5/98
Effective Date upon filing this form

E. MATERIAL FILED IN TOWN CLERK'S OFFICE

☒ This Form ☐ Site Plan
Other legal description ;Date

2/6/98

F. This is to certify that a Special Exception, as depicted on this form, was granted by the Middletown Planning and Zoning Commission.

Chairman

1\95

Property Location 90 INDUSTRIAL PARK RD | Map ID 06/ / 0018/ / | Bldg Name | State Use 301
Vision ID 396 | Account # R00347 | Bldg # 1 | Sec # 1 of 1 | Card # 1 of 1 | Print Date 2/12/2024 10:46:18 A

CURRENT OWNER

AIRLINE AVENUE REALTY LLC

555 TAYLOR RD

ENFIELD CT 06082

TOPO	UTILITIES	STRT / ROAD	LOCATION

SUPPLEMENTAL DATA

Alt Prcl ID	06 2-2 6B1 P	Class	Com - I
		State Clas	400
		Supl Info	
Color	0	Unsold	P: 2.61
Census	5414		
District	3:Westfield		
GIS ID	R00347	Assoc Pid#	

CURRENT ASSESSMENT

Description	Code	Appraised	Assessed
COM LAND	2-1	228,000	159,600
IND LAND	3-1	561,150	392,810
IND BLDG	3-2	1,437,610	1,006,320
IND IMPR	3-3	98,800	69,160
	Total	2,325,560	1,627,890

6083

MIDDLETOWN, CT

VISION

RECORD OF OWNERSHIP

RECORD OF OWNERSHIP	BK-VOL/PAGE		SALE DATE	Q/U	V/I	SALE PRICE	VC
AIRLINE AVENUE REALTY LLC	1956	943	11-15-2019	U	I	1,000,000	25
90 INDUSTRIAL PARK ROAD LLC	1843	0205	06-11-2015	U	I	0	29
ARMETTA PHILIP C	0505	0134	02-22-1978	U	V	0	29

PREVIOUS ASSESSMENTS (HISTORY)

Year	Code	Assessed	Year	Code	Assessed	Year	Code	Assessed
2023	2-1	159,600	2022	2-1	159,600	2022	2-1	159,600
	3-1	392,810		3-1	392,810		3-1	392,810
	3-2	1,006,320		3-2	1,006,320		3-2	1,006,320
	3-3	69,160		3-3	69,160		3-3	69,160
	Total	1,627,890		Total	1,627,890		Total	1,627,890

EXEMPTIONS

Year	Code	Description	Amount
		Total	0.00

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm Int

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

Nbhd	Nbhd Name	B	Tracing	Batch
0001				

NOTES

DAINTY RUBBISH; COPAR INDUSTRIES
CELL. SHED (288 SF).
2/13 CELL TOWER-ATT,METRO PCS,T-MOBILE;
2016 - BLDG VACANT EXCEPT FOR GARAGE
AOF-7824 SF
PARKING RENTAL
REAR OF 80 IND. PARK RD
2022 -12X44 MOBILE TRAILER W/ A/C
10/1/14 REPLACE OLD CELL SHED WITH NEW

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	1,413,580
Appraised Xf (B) Value (Bldg)	24,030
Appraised Ob (B) Value (Bldg)	98,800
Appraised Land Value (Bldg)	789,150
Special Land Value	0
Total Appraised Parcel Value	2,325,560
Valuation Method	I
Total Appraised Parcel Value	2,325,560

BUILDING PERMIT RECORD

Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments
202323736	08-28-2023	GN	Generator	33,000		0	10-01-2023	48 KW DIESEL FOR T-MOBIL
202221343	10-12-2022	EL	Electric	40,000		100	10-01-2023	REPLACE ANTENNAS
202219861	05-05-2022	EL	Electric	19,000		100	10-01-2022	3 CELL ANTENNAS
202219399	02-24-2022	EL	Electric	35,000		100	10-01-2022	REPLACE ANTENNAS
202118514	09-28-2021	EL	Electric	70,000		100	10-01-2021	INSTALL ANTENNAS & EQUI
202015996	09-15-2020	EL	Electric	20,000		100	10-01-2020	MODIFY CELL ANTENNAS
202015867	09-01-2020	EL	Electric	55,000		100	10-01-2020	100 AMP SERVICE FOR TRAI

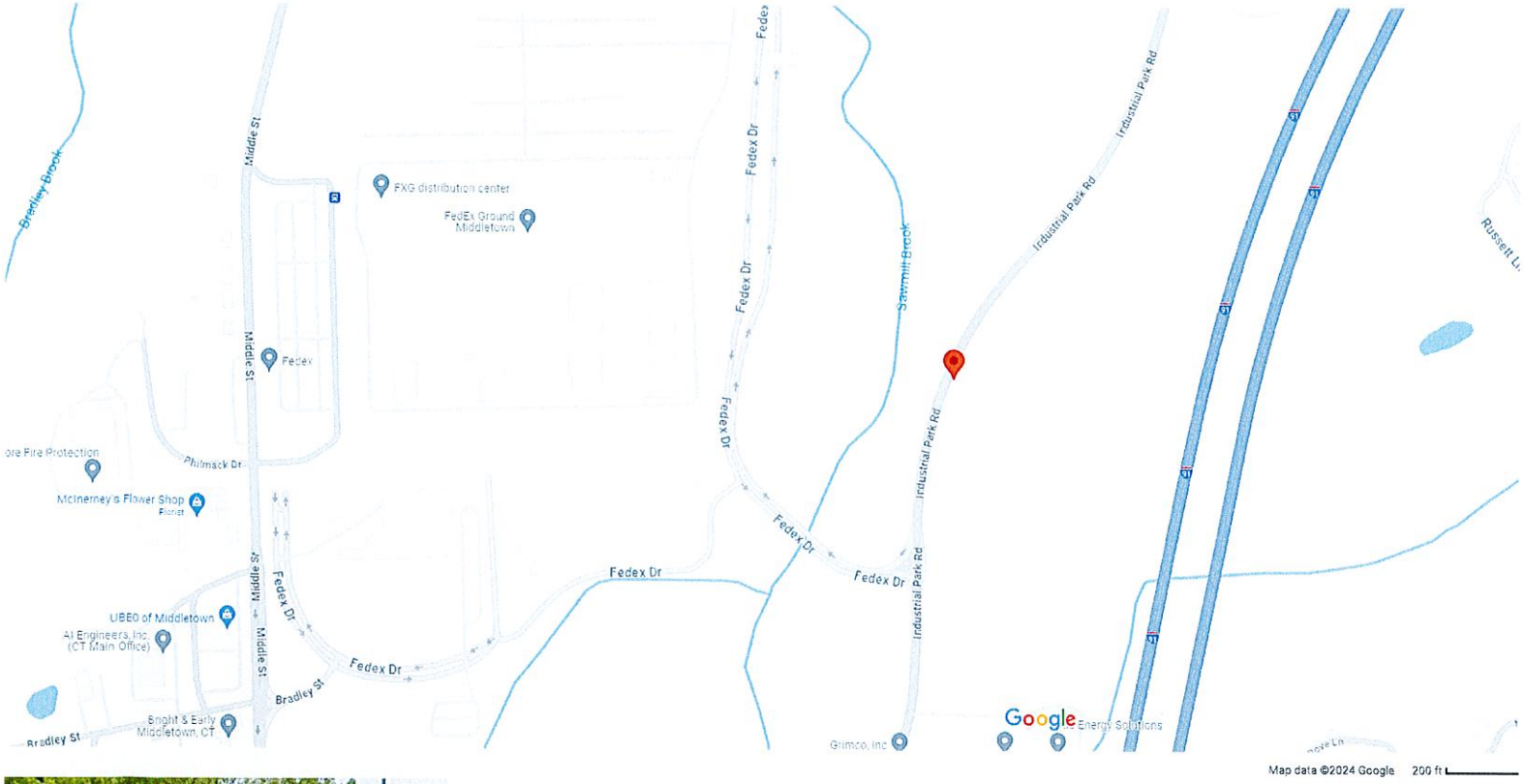
VISIT / CHANGE HISTORY

Date	Id	Type	Is	Cd	Purpost/Result
12-30-2022	CK			44	No Change - Informal Hear
03-22-2022	MVS			01	Measured
10-22-2017	LAV			41	Field Review
05-19-2014	RP			01	Measured
10-11-2013	MM			52	Permit- Miscellaneous
05-16-2013	JG			41	Field Review
04-23-2013	TWM			11	QC - Visual

LAND LINE VALUATION SECTION

B	Use Code	Description	Zone	Land Type	Land Units		Unit Price	I. Factor	Site Index	Cond.	Nbhd.	Nhbd Adj	Notes	Location Adjustment		Adj Unit Pric	Land Value
1	301	Industrial	IT	Primary	2.000	AC	230,000.00	1.00000	C	1.00	3100	1.200			0	276,000	552,000
1	301	Industrial	IT	Primary	0.610	AC	12,500.00	1.00000	0	1.00	3100	1.200			0	15,000	9,150
1	204	Cell Site			1.000	BL	228,000.00	1.00000	0	1.00		1.000	CELL SITE		0	228,000	228,000
				Total Card Land Units	2.61	AC	Parcel Total Land Area:	2.61								Total Land Value	789,150

90 Industrial Park Rd



90 Industrial Park Rd

Directions | Save | Nearby | Send to phone | Share

90 Industrial Park Rd, Middletown, CT 06457

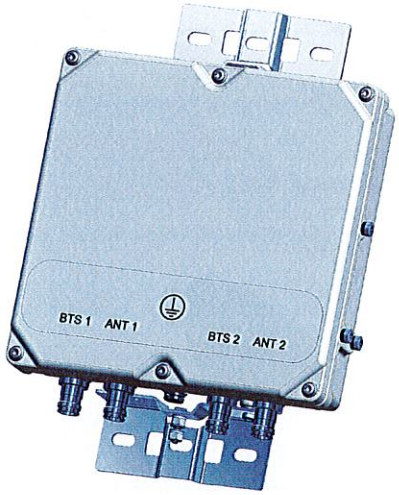
H7WQ+P4 Middletown, Connecticut

Photos

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

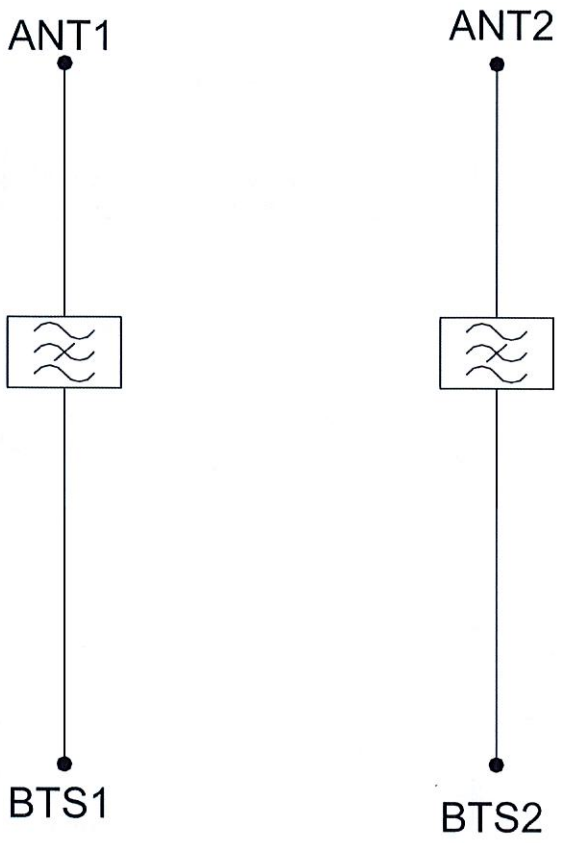
DC / AISG	
Passband	0 - 13MHz
Insertion loss	0.3dB maximum
Return loss	15dB minimum
Input voltage range	± 33V
DC current rating	2A continuous, 4A peak
Compliance	3GPP TS 25.461

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

ELECTRICAL BLOCK DIAGRAM



Barbadora, Jeff

From: TrackingUpdates@fedex.com
Sent: Thursday, March 21, 2024 10:24 AM
To: Barbadora, Jeff
Subject: FedEx Shipment 775618548405: Your package has been delivered

Hi. Your package was delivered Thu, 03/21/2024 at 10:15am.

Delivered to 245 DEKOVEN DR, MIDDLETOWN, CT 06457
Received by K.KELLY

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	775618548405
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	City of Middletown Benjamin Florsheim, Mayor 245 deKoven Drive Room 209 MIDDLETOWN, CT, US, 06457
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Wed 3/20/2024 05:51 PM
DELIVERED TO	Mailroom
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	MIDDLETOWN, CT, US, 06457
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: Thursday, March 21, 2024 10:23 AM
To: Barbadora, Jeff
Subject: FedEx Shipment 775618570933: Your package has been delivered

Hi. Your package was delivered Thu, 03/21/2024 at 10:15am.

Delivered to 245 DEKOVEN DR, MIDDLETOWN, CT 06457
Received by K.KELLY

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	775618570933
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	City of Middletown Thomas Hazel, ZEO 245 deKoven Drive MIDDLETOWN, CT, US, 06457
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Wed 3/20/2024 05:51 PM
DELIVERED TO	Mailroom
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	MIDDLETOWN, CT, US, 06457
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: Thursday, March 21, 2024 10:18 AM
To: Barbadora, Jeff
Subject: FedEx Shipment 775618631160: Your package has been delivered

Hi. Your package was delivered Thu, 03/21/2024 at 10:09am.

Delivered to 555 TAYLOR RD, ENFIELD, CT 06082
Received by M.HOLLY

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	775618631160
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	Airline Avenue Realty LLC Airline Avenue Realty LLC 15 Mullen Road ENFIELD, CT, US, 06082
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Wed 3/20/2024 05:51 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	ENFIELD, CT, US, 06082
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Standard Overnight

Colliers Engineering & Design CT, PC
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 #: 10206806
Colliers Engineering & Design CT, PC Project #:23777108

July 11, 2023

Site Information	*Site ID:*	*5000248064-VZW / MIDDLETOWN NW CT*
	Site Name:	*MIDDLETOWN NW CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*90 Industrial Park Rd* *Middletown, Connecticut 06457* *Middlesex County*
	Latitude:	*41.585639°*
	Longitude:	*-72.714025°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*13.67-Ft Platform*

FUZE ID # 17123775

Analysis Results

Platform: **81.7% 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: Jared Adkins

Digitally signed by Derek Hartzell
Date: 2023.07.11 11:08:28-07'00'

STATE OF CONNECTICUT
DEREK R. HARTZELL
32710
LICENSED PROFESSIONAL ENGINEER

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID:1737850, dated July 20, 2021*
Mount Mapping Report	*Hudson Design Group, LLC, Site ID: 468293, dated June 16, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21781027 Dated July 29, 2021*
Post Modification Inspection	*Maser Consulting Connecticut, Project #: 21781027 Dated February 7, 2023*
Final Loading Configuration	*Filter Add Scope Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.997
Seismic Parameters:	S_S:	0.209 g
	S_1:	0.056 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
153.50	155.00	9	Andrew	SBNHH-1D65B	Retained
		2	Raycap	RHSDC-3315-PF-48	
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		2	KAelus	BSF0020F3V1-1	Added

The recent mount mapping reported existing OVP units. 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 and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design 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 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.

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	*38.9 %*	*Pass*
End Plate	*69.3 %*	*Pass*
Standoff Horizontal	*81.7 %*	*Pass*
Antenna Pipe	*37.9 %*	*Pass*
Cross Brace	*10.2 %*	*Pass*
Mount Connection	*65.7 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**81.7%**

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	14.0	14.0	30.0	30.0
0.5	19.2	19.2	41.9	41.9
1	23.7	23.7	53.1	53.1

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

Requirements:

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

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 #: 5000248064 SMART Project #: 10206806 Fuze Project ID: 17123775

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:

Response:

Special Instruction Confirmation:

☐ The contractor has read and acknowledges the above special instructions.

☐ All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

OR

☐ The material utilized was approved by a SMART Tool engineering vendor as an “equivalent” and this approval is included as part of the contractor submission.

Comments:

Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

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

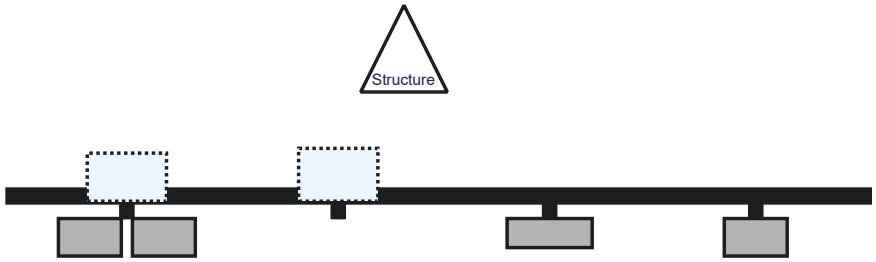
Structure: 5000248064-VZW - MIDDLETOWN NW CT

Sector: **A** 7/10/2023

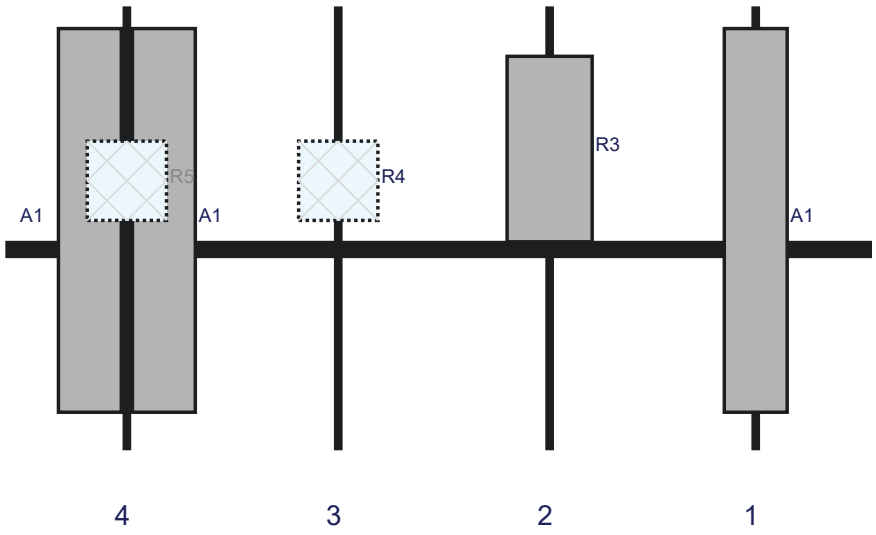
Structure Type: Monopole 10206806

Mount Elev: 153.00 Page: 1

Plan View

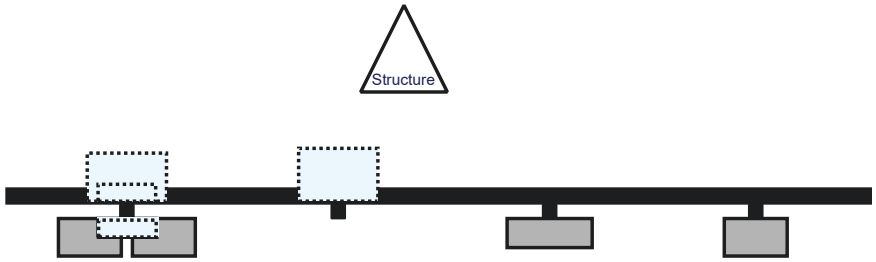


Front View - Looking at Structure

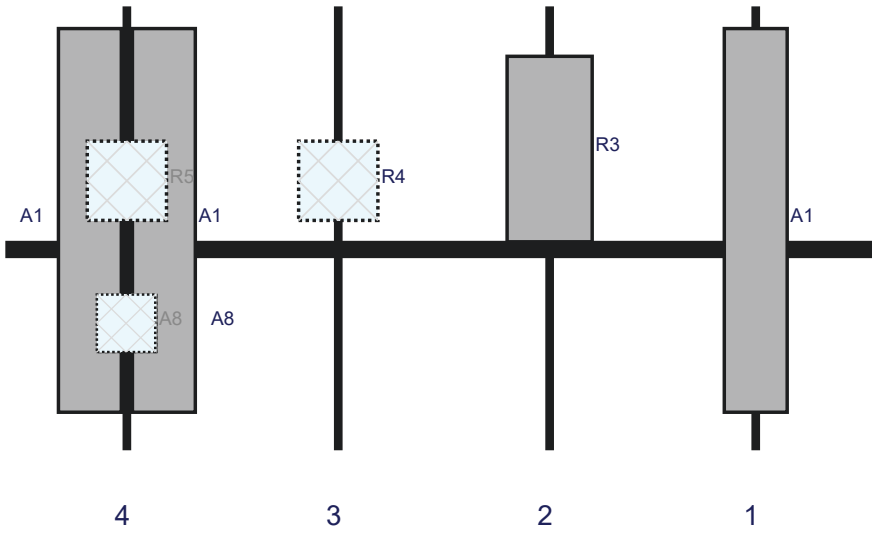


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	SBNHH-1D65B	72.6	11.9	142	1	a	Front	40.5	0	Retained	01/31/2023
R3	MT6407-77A	35.1	16.1	103	2	a	Front	27	0	Retained	01/31/2023
R4	RF4439d-25A	15	15	63	3	a	Behind	33	0	Retained	01/31/2023
A1	SBNHH-1D65B	72.6	11.9	23	4	a	Front	40.5	7	Retained	01/31/2023
A1	SBNHH-1D65B	72.6	11.9	23	4	b	Front	40.5	-7	Retained	01/31/2023
R5	RF4440d-13A	15	15	23	4	a	Behind	33	0	Retained	01/31/2023
OVP1	OVP Pipe Loading	29.5	16.5		Member					Retained	01/31/2023
OVP2	OVP Pipe Loading	29.5	16.5		Member					Retained	01/31/2023

Plan View

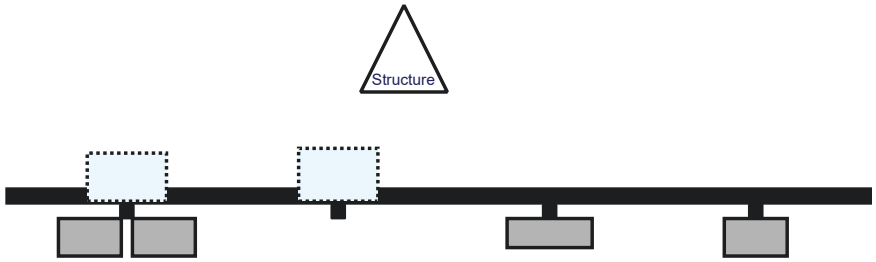


Front View - Looking at Structure

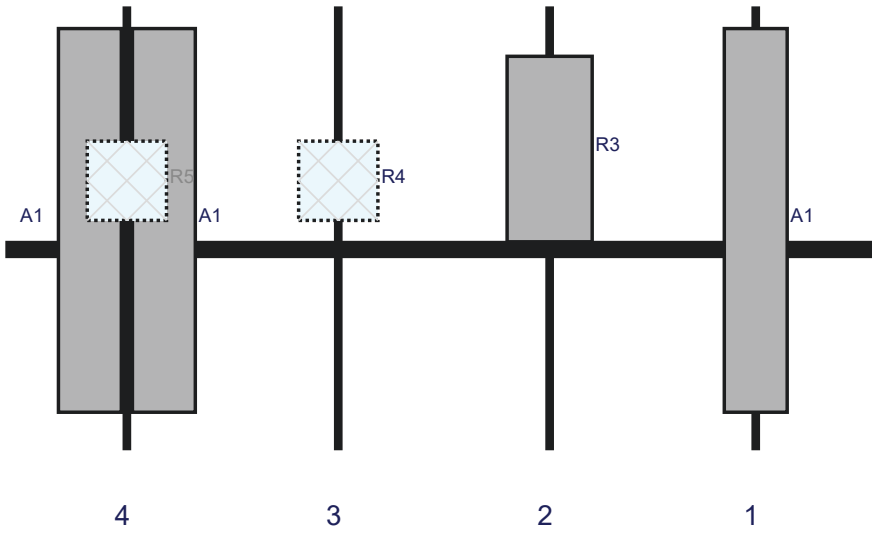


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	SBNHH-1D65B	72.6	11.9	142	1	a	Front	40.5	0	Retained	01/31/2023
R3	MT6407-77A	35.1	16.1	103	2	a	Front	27	0	Retained	01/31/2023
R4	RF4439d-25A	15	15	63	3	a	Behind	33	0	Retained	01/31/2023
A1	SBNHH-1D65B	72.6	11.9	23	4	a	Front	40.5	7	Retained	01/31/2023
A1	SBNHH-1D65B	72.6	11.9	23	4	b	Front	40.5	-7	Retained	01/31/2023
R5	RF4440d-13A	15	15	23	4	a	Behind	33	0	Retained	01/31/2023
A8	BSF0020F3V1-1	10.6	10.9	23	4	a	Behind	60	0	Added	
A8	BSF0020F3V1-1	10.6	10.9	23	4	b	Front	60	0	Added	

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	SBNHH-1D65B	72.6	11.9	142	1	a	Front	40.5	0	Retained	01/31/2023
R3	MT6407-77A	35.1	16.1	103	2	a	Front	27	0	Retained	01/31/2023
R4	RF4439d-25A	15	15	63	3	a	Behind	33	0	Retained	01/31/2023
A1	SBNHH-1D65B	72.6	11.9	23	4	a	Front	40.5	7	Retained	01/31/2023
A1	SBNHH-1D65B	72.6	11.9	23	4	b	Front	40.5	-7	Retained	01/31/2023
R5	RF4440d-13A	15	15	23	4	a	Behind	33	0	Retained	01/31/2023


01.31.2023 11:00


01.31.2023 10:11

V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

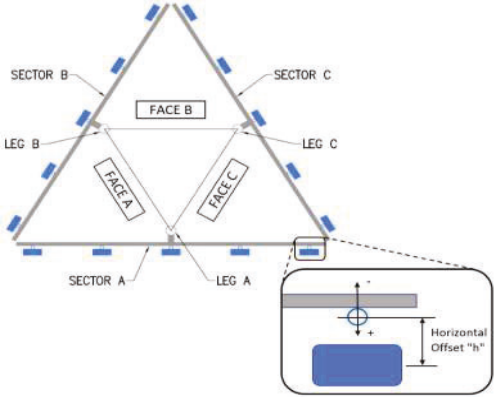
FCC #

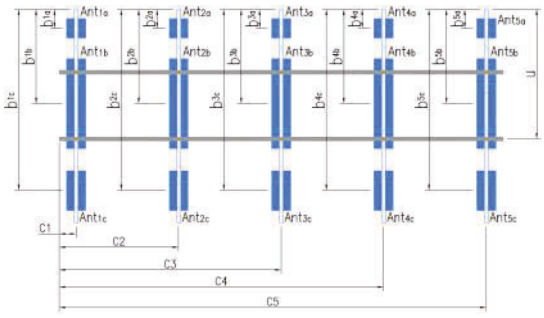
Tower Owner:	Crown	**Mapping Date:**	6/16/2021
Site Name:	MIDDLETOWN NW CT	**Tower Type:**	Monopole
Site Number or ID:	469293	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	156

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

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	2" STD. PIPE X 84" LONG	55.00	22.50	C1	2" STD. PIPE X 84" LONG	55.00	22.50
A2	2" STD. PIPE X 84" LONG	46.00	61.50	C2	2" STD. PIPE X 84" LONG	46.00	61.50
A3	2" STD. PIPE X 84" LONG	46.00	101.50	C3	2" STD. PIPE X 84" LONG	46.00	101.50
A4	2" STD. PIPE X 84" LONG	46.00	141.50	C4	2" STD. PIPE X 84" LONG	46.00	141.50
A5				C5			
A6				C6			
B1	2" STD. PIPE X 84" LONG	55.00	22.50	D1			
B2	2" STD. PIPE X 84" LONG	46.00	61.50	D2			
B3	2" STD. PIPE X 84" LONG	46.00	101.50	D3			
B4	2" STD. PIPE X 84" LONG	46.00	141.50	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							2.41
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional infomation or comments below.							
Tower Face Width at Mount Elev. (ft.):			Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				25.75
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.							0.375





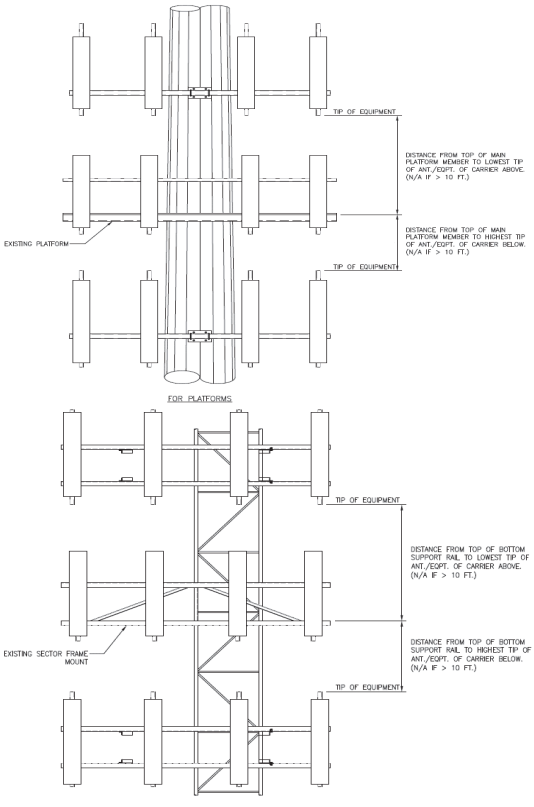
Antenna Layout (Looking Out From Tower)

	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}	B66a RRH 4x45	12.00	7.00	25.50		159.167	17.00	-7.00		49,65
Ant_{1b}	(2) SBNHH-1D65B	12.00	7.00	73.00		157.583	36.00	10.00	40.00	48,65
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	B25 RRH 4x30	12.00	7.00	20.50		158	22.00	-7.00		57,65
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	B13 RRH4x30	12.00	7.50	20.50		158.25	19.00	-7.00		64,66
Ant_{4b}	(2) SBNHH-1D65B	12.00	7.00	73.00		157.667	26.00	10.00	40.00	63,66
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

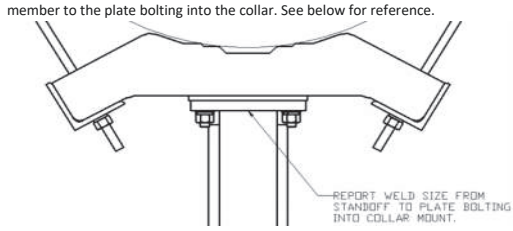
Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	40.00	Deg	Leg A:		Deg
Sector B:	160.00	Deg	Leg B:		Deg
Sector C:	280.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	99.00 Deg	N/A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.

Please insert a photo of the mount centerline measurement here.



For T-Arms/Platforms on monopoles, record the weld size from the main standoff member to the plate bolting into the collar. See below for reference.



Sector B										
Ant_{1a}	B66a RRH 4x45	12.00	7.00	25.50		159.167	17.00	-7.00		49,67
Ant_{1b}	(2) SBNHH-1D65B	12.00	7.00	73.00		157.583	36.00	10.00	160.00	48,67
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	B25 RRH 4x30	12.00	7.00	20.50		158	22.00	-7.00		57,67
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	B13 RRH4x30	12.00	7.50	20.50		158.25	19.00	-7.00		64,68
Ant_{4b}	(2) SBNHH-1D65B	12.00	7.00	73.00		157.667	26.00	10.00	160.00	63,68
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	B66a RRH 4x45	12.00	7.00	25.50		159.167	17.00	-7.00		49,69
Ant_{1b}	(2) SBNHH-1D65B	12.00	7.00	73.00		157.583	36.00	10.00	280.00	48,69
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	B25 RRH 4x30	12.00	7.00	20.50		158	22.00	-7.00		57,70
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	B13 RRH4x30	12.00	7.50	20.50		158.25	19.00	-7.00		64,71
Ant_{4b}	(2) SBNHH-1D65B	12.00	7.00	73.00		157.667	26.00	10.00	280.00	63,71
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	No climb cable presents, replaced with step bolt anchor brackets	103
2		
3		
4		
5		
6		
7		
8		

Observed Obstructions to Tower Lighting System					
If the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below.					Photo #
Description of Obstruction:					
Type of Light:		Photo #		Additional Comments:	
Lighting Technology:		Photo #			
Elevation (AGL) at base of light (Ft.):		Photo #			
Is a service loop available?		Photo #			
Is beacon installed on an extension?		Photo #			

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.

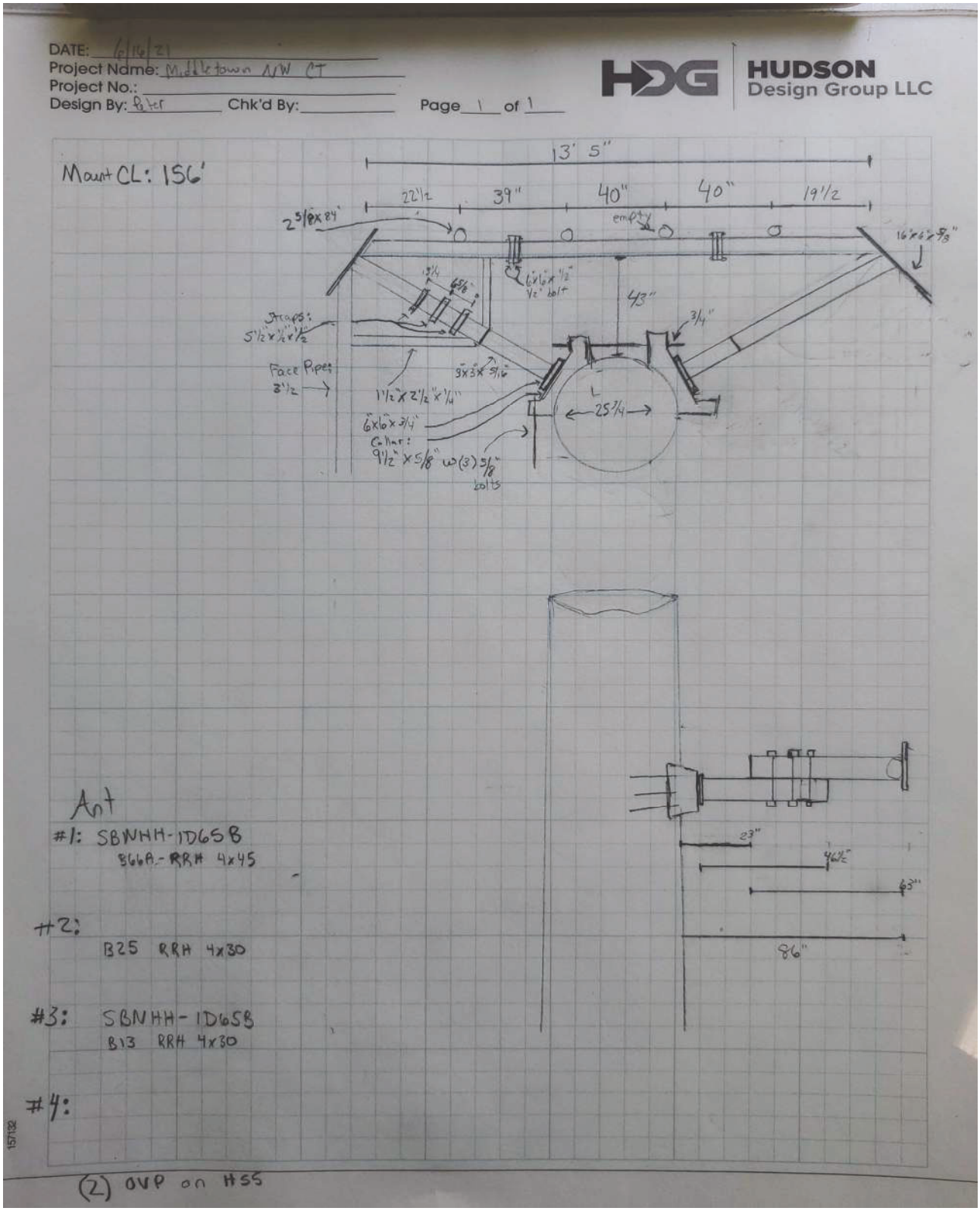
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

Antenna Mount Mapping Form (PATENT PENDING)

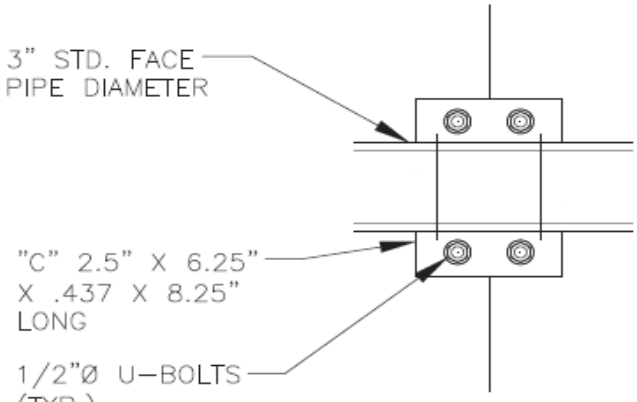
FCC #

Tower Owner:	Crown	**Mapping Date:**	6/16/2021
Site Name:	MIDDLETOWN NW CT	**Tower Type:**	Monopole
Site Number or ID:	469293	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	156

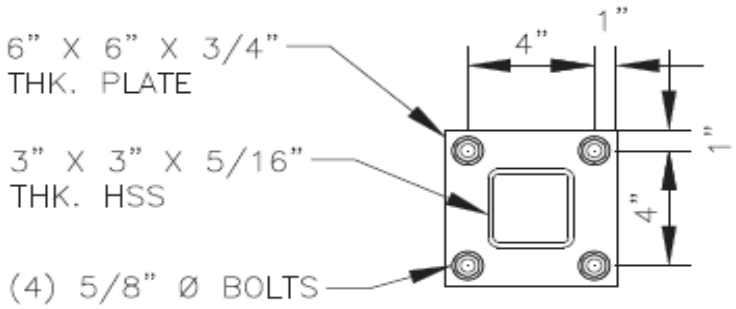
Please Insert Sketches of the Antenna Mount



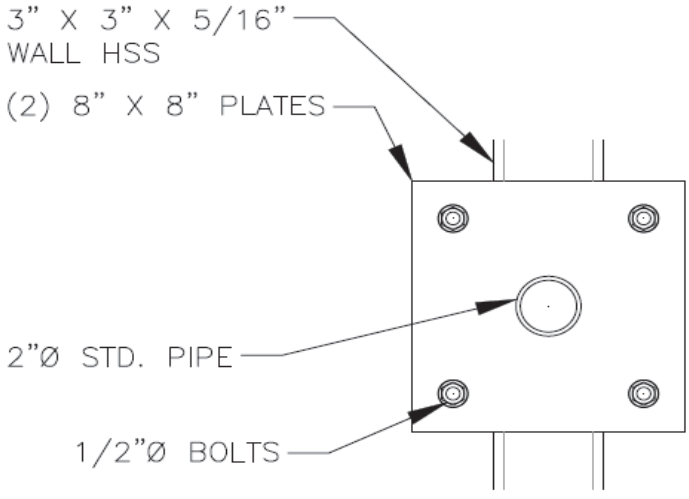
Please Insert Sketches of the Antenna Mount, cont'd



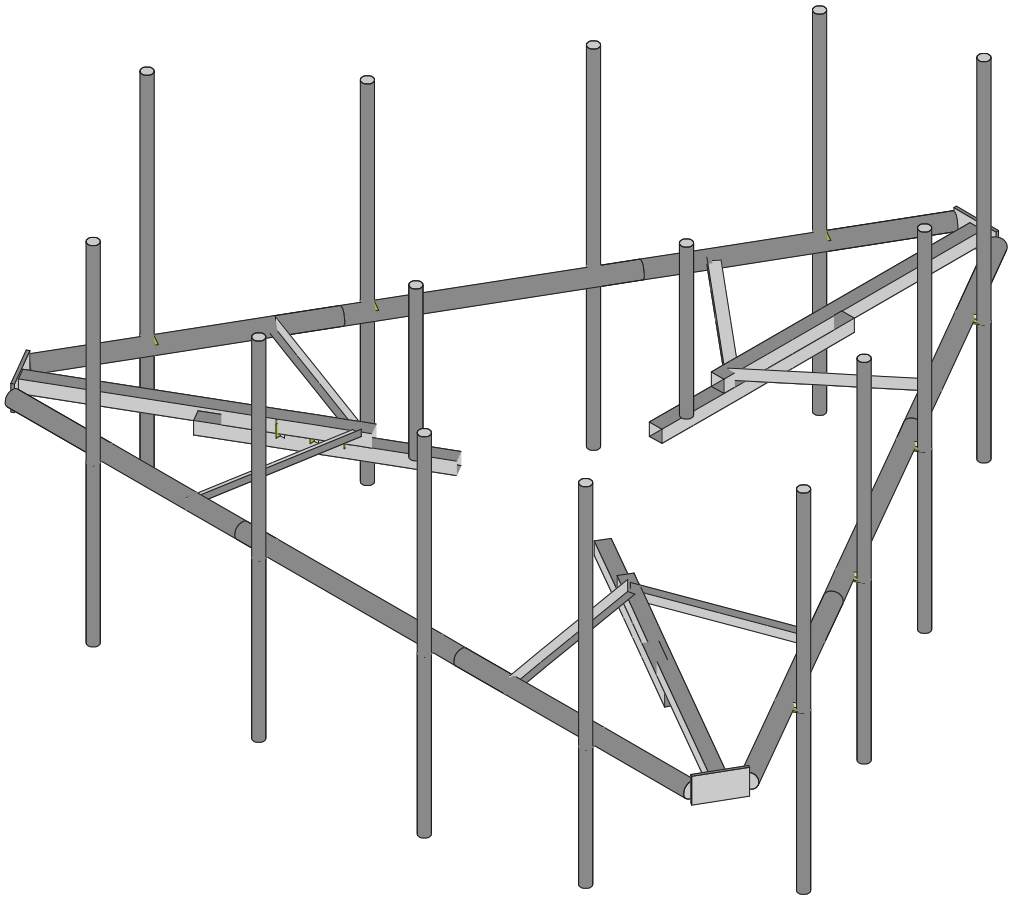
CROSSOVER PLATE DETAIL



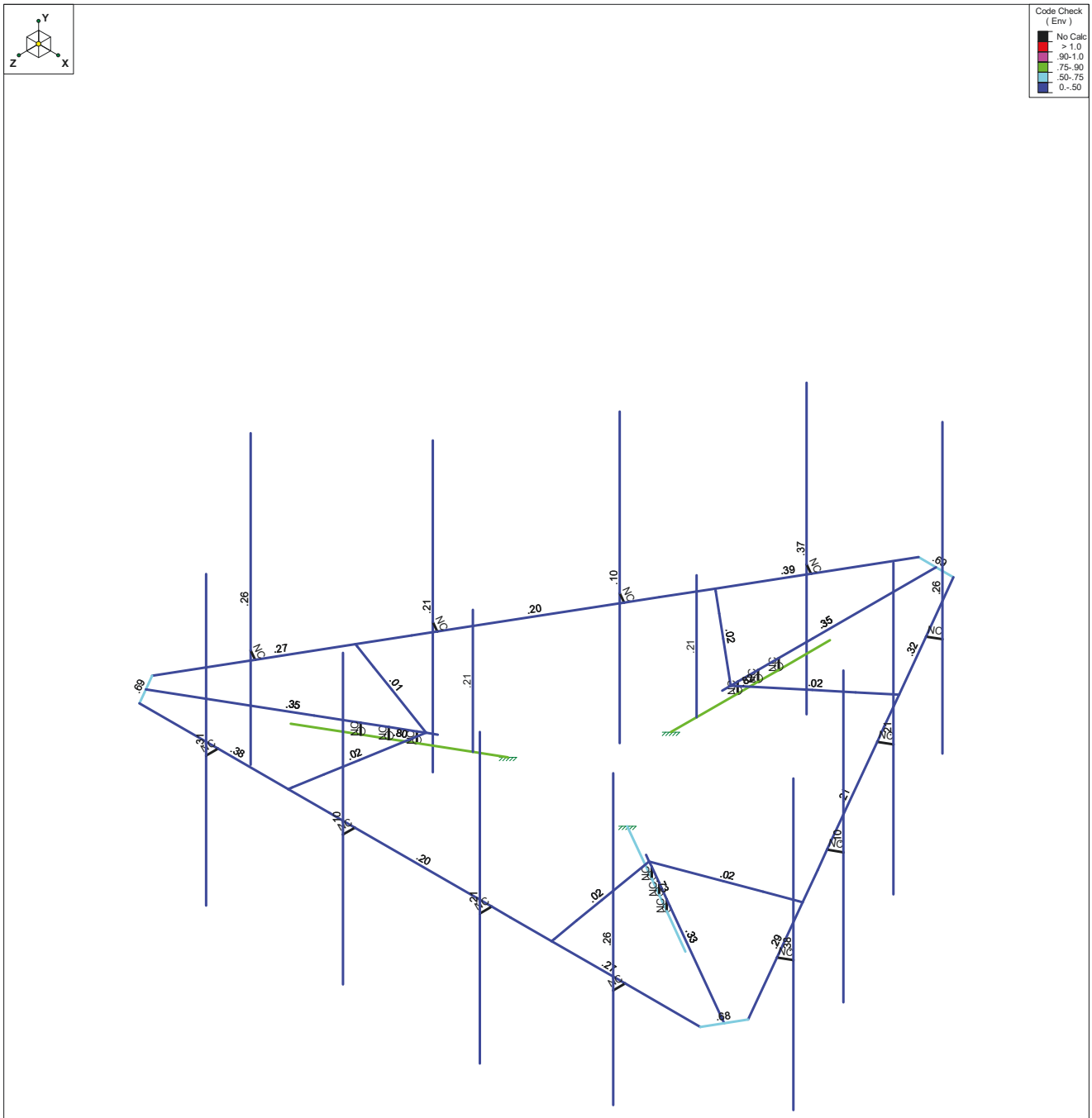
STANDOFF TO RING MOUNT CONNECTION



S.O. MOUNT DETAIL

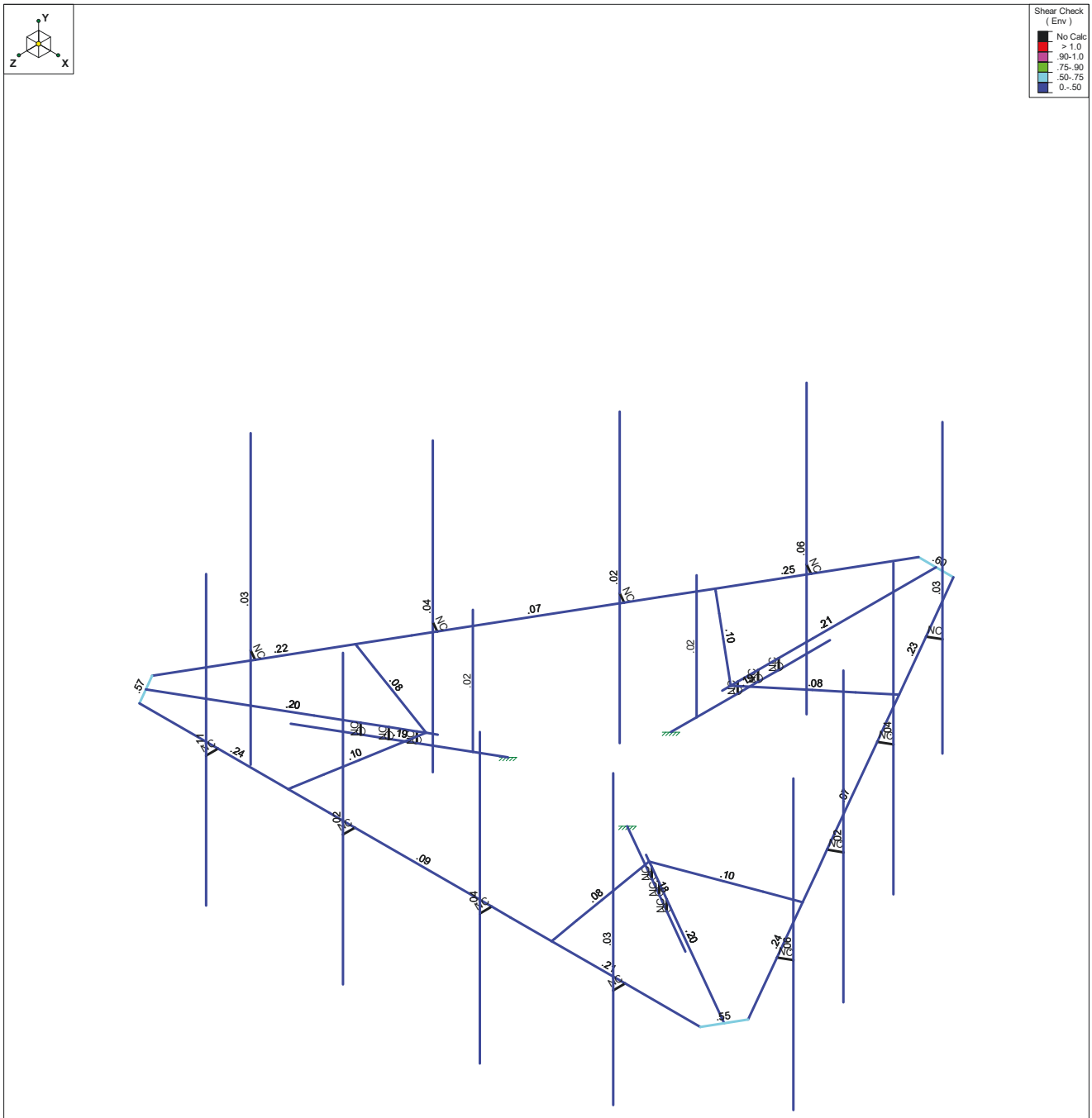


Colliers Engineering & De...	5000248064-VZW_MT_LO_H	SK - 1
NL		July 10, 2023 at 9:35 PM
Project No. 10206806		5000248064-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

Colliers Engineering & De...	5000248064-VZW_MT_LO_H	SK - 2
NL		July 10, 2023 at 9:36 PM
Project No. 10206806		5000248064-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

Colliers Engineering & De...		SK - 3
NL	5000248064-VZW_MT_LO_H	July 10, 2023 at 9:36 PM
Project No. 10206806		5000248064-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					102			
2	Antenna Di	None					102			
3	Antenna Wo (0 Deg)	None					102			
4	Antenna Wo (30 Deg)	None					102			
5	Antenna Wo (60 Deg)	None					102			
6	Antenna Wo (90 Deg)	None					102			
7	Antenna Wo (120 Deg)	None					102			
8	Antenna Wo (150 Deg)	None					102			
9	Antenna Wo (180 Deg)	None					102			
10	Antenna Wo (210 Deg)	None					102			
11	Antenna Wo (240 Deg)	None					102			
12	Antenna Wo (270 Deg)	None					102			
13	Antenna Wo (300 Deg)	None					102			
14	Antenna Wo (330 Deg)	None					102			
15	Antenna Wi (0 Deg)	None					102			
16	Antenna Wi (30 Deg)	None					102			
17	Antenna Wi (60 Deg)	None					102			
18	Antenna Wi (90 Deg)	None					102			
19	Antenna Wi (120 Deg)	None					102			
20	Antenna Wi (150 Deg)	None					102			
21	Antenna Wi (180 Deg)	None					102			
22	Antenna Wi (210 Deg)	None					102			
23	Antenna Wi (240 Deg)	None					102			
24	Antenna Wi (270 Deg)	None					102			
25	Antenna Wi (300 Deg)	None					102			
26	Antenna Wi (330 Deg)	None					102			
27	Antenna Wm (0 Deg)	None					102			
28	Antenna Wm (30 Deg)	None					102			
29	Antenna Wm (60 Deg)	None					102			
30	Antenna Wm (90 Deg)	None					102			
31	Antenna Wm (120 De...	None					102			
32	Antenna Wm (150 De...	None					102			
33	Antenna Wm (180 De...	None					102			
34	Antenna Wm (210 De...	None					102			
35	Antenna Wm (240 De...	None					102			
36	Antenna Wm (270 De...	None					102			
37	Antenna Wm (300 De...	None					102			
38	Antenna Wm (330 De...	None					102			
39	Structure D	None		-1					11	
40	Structure Di	None						38	9	
41	Structure Wo (0 Deg)	None						76		
42	Structure Wo (30 Deg)	None						76		
43	Structure Wo (60 Deg)	None						76		
44	Structure Wo (90 Deg)	None						76		
45	Structure Wo (120 D...	None						76		
46	Structure Wo (150 D...	None						76		
47	Structure Wo (180 D...	None						76		
48	Structure Wo (210 D...	None						76		
49	Structure Wo (240 D...	None						76		
50	Structure Wo (270 D...	None						76		
51	Structure Wo (300 D...	None						76		
52	Structure Wo (330 D...	None						76		
53	Structure Wi (0 Deg)	None						76		
54	Structure Wi (30 Deg)	None						76		
55	Structure Wi (60 Deg)	None						76		
56	Structure Wi (90 Deg)	None						76		
57	Structure Wi (120 De...	None						76		
58	Structure Wi (150 De...	None						76		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
59	Structure Wi (180 De...	None						76		
60	Structure Wi (210 De...	None						76		
61	Structure Wi (240 De...	None						76		
62	Structure Wi (270 De...	None						76		
63	Structure Wi (300 De...	None						76		
64	Structure Wi (330 De...	None						76		
65	Structure Wm (0 Deg)	None						76		
66	Structure Wm (30 De...	None						76		
67	Structure Wm (60 De...	None						76		
68	Structure Wm (90 De...	None						76		
69	Structure Wm (120 D...	None						76		
70	Structure Wm (150 D...	None						76		
71	Structure Wm (180 D...	None						76		
72	Structure Wm (210 D...	None						76		
73	Structure Wm (240 D...	None						76		
74	Structure Wm (270 D...	None						76		
75	Structure Wm (300 D...	None						76		
76	Structure Wm (330 D...	None						76		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					102			
82	Antenna Eh (0 Deg)	None					68			
83	Antenna Eh (90 Deg)	None					68			
84	Structure Ev	ELY		-.045					11	
85	Structure Eh (0 Deg)	ELZ			-.111				11	
86	Structure Eh (90 Deg)	ELX	.111						11	
87	BLC 39 Transient Are...	None						45		
88	BLC 40 Transient Are...	None						45		
89	BLC 84 Transient Are...	None						45		
90	BLC 85 Transient Are...	None						45		
91	BLC 86 Transient Are...	None						45		

Load Combinations

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

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
22	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N2	6.833333	0	4.4375	0	
3	N3	-6.833333	0	4.4375	0	
4	N6	-2.208333	0	4.4375	0	
5	N8	2.208333	0	4.4375	0	
6	N14	0.426321	0	-8.13659	0	
7	N15	7.259654	0	3.69909	0	
8	N18	4.947154	0	-0.306277	0	
9	N20	2.738821	0	-4.131223	0	
10	N26	-7.259654	0	3.69909	0	
11	N27	-0.426321	0	-8.13659	0	
12	N30	-2.738821	0	-4.131223	0	
13	N32	-4.947154	0	-0.306277	0	
14	N38	-0.	0	-8.13659	0	
15	N39	-0.	0	-2.928257	0	
16	N40	-7.046494	0	4.068295	0	
17	N41	-2.535945	0	1.464128	0	
18	N42	7.046494	0	4.068295	0	
19	N43	2.535945	0	1.464128	0	
20	N44	-0.	-.25	-5.553257	0	
21	N45	-0.	-.25	-1.678257	0	
22	N46	-0.	0	-4.303257	0	
23	N47	-0.	0	-3.803257	0	
24	N48	-0.	0	-3.303257	0	
25	N49	-0.	-.25	-4.303257	0	
26	N50	-0.	-.25	-3.803257	0	
27	N51	-0.	-.25	-3.303257	0	
28	N52	-4.809262	-.25	2.776628	0	
29	N53	-1.453413	-.25	0.839128	0	
30	N54	-3.72673	0	2.151628	0	
31	N55	-3.293717	0	1.901628	0	
32	N56	-2.860704	0	1.651628	0	
33	N57	-3.72673	-.25	2.151628	0	
34	N58	-3.293717	-.25	1.901628	0	
35	N59	-2.860704	-.25	1.651628	0	
36	N60	4.809262	-.25	2.776628	0	
37	N61	1.453413	-.25	0.839128	0	
38	N62	3.72673	0	2.151628	0	
39	N63	3.293717	0	1.901628	0	
40	N64	2.860704	0	1.651628	0	
41	N65	3.72673	-.25	2.151628	0	
42	N66	3.293717	-.25	1.901628	0	
43	N67	2.860704	-.25	1.651628	0	
44	N71	-3.208333	0	4.4375	0	
45	N69	-0.	0	-3.13659	0	
46	N70	-2.716367	0	1.568295	0	
47	N71A	2.716367	0	1.568295	0	
48	N72	3.208333	0	4.4375	0	
49	N73	5.447154	0	0.559748	0	
50	N76	2.238821	0	-4.997248	0	
51	N77	-2.238821	0	-4.997248	0	
52	N80	-5.447154	0	0.559748	0	
53	N115	5	0	4.4375	0	
54	N116	5	0	4.729167	0	
55	N117	5	4.583333	4.729167	0	
56	N118	5	-2.416667	4.729167	0	
57	N173A	-3.081585	0	3.698288	0	
58	N174A	3.081585	0	3.698288	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
59	N175A	4.743603	0	0.819587	0	
60	N176A	1.662019	0	-4.517875	0	
61	N177A	-1.662019	0	-4.517875	0	
62	N178A	-4.743603	0	0.819587	0	
63	N179A	-3.19425	0	4.355365	0	
64	N180A	3.19425	0	4.355365	0	
65	N181A	5.368982	0	0.588619	0	
66	N182A	2.174732	0	-4.943984	0	
67	N183A	-2.174732	0	-4.943984	0	
68	N184A	-5.368982	0	0.588619	0	
69	N185	-0.	0	-5.13659	0	
70	N186	-4.448418	0	2.568295	0	
71	N187	4.448418	0	2.568295	0	
72	N182B	-1.085216	0	-4.038501	0	
73	N183B	1.085216	0	-4.038501	0	
74	N184B	-2.954836	0	2.959075	0	
75	N185A	-4.040053	0	1.079425	0	
76	N186A	4.040053	0	1.079425	0	
77	N187A	2.954836	0	2.959075	0	
78	N78	1.75	0	4.4375	0	
79	N79	1.75	0	4.729167	0	
80	N80A	1.75	3.833333	4.729167	0	
81	N81	1.75	-3.166667	4.729167	0	
82	N82	-1.583333	0	4.4375	0	
83	N83	-1.583333	0	4.729167	0	
84	N84	-1.583333	3.833333	4.729167	0	
85	N85	-1.583333	-3.166667	4.729167	0	
86	N86	-4.916667	0	4.4375	0	
87	N87	-4.916667	0	4.729167	0	
88	N88	-4.916667	3.833333	4.729167	0	
89	N89	-4.916667	-3.166667	4.729167	0	
90	N90	1.342988	0	-6.548877	0	
91	N91	1.595578	0	-6.69471	0	
92	N92	1.595578	4.583333	-6.69471	0	
93	N93	1.595578	-2.416667	-6.69471	0	
94	N94	2.967988	0	-3.734294	0	
95	N95	3.220578	0	-3.880128	0	
96	N96	3.220578	3.833333	-3.880128	0	
97	N97	3.220578	-3.166667	-3.880128	0	
98	N98	4.634654	0	-0.847543	0	
99	N99	4.887245	0	-0.993376	0	
100	N100	4.887245	3.833333	-0.993376	0	
101	N101	4.887245	-3.166667	-0.993376	0	
102	N102	6.301321	0	2.039208	0	
103	N103	6.553912	0	1.893375	0	
104	N104	6.553912	3.833333	1.893375	0	
105	N105	6.553912	-3.166667	1.893375	0	
106	N106	-6.342988	0	2.111377	0	
107	N107	-6.595578	0	1.965544	0	
108	N108	-6.595578	4.583333	1.965544	0	
109	N109	-6.595578	-2.416667	1.965544	0	
110	N110	-4.717988	0	-0.703206	0	
111	N111	-4.970578	0	-0.849039	0	
112	N112	-4.970578	3.833333	-0.849039	0	
113	N113	-4.970578	-3.166667	-0.849039	0	
114	N114	-3.051321	0	-3.589957	0	
115	N115A	-3.303912	0	-3.73579	0	
116	N116A	-3.303912	3.833333	-3.73579	0	
117	N117A	-3.303912	-3.166667	-3.73579	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
118	N118A	-1.384654	0	-6.476708	0	
119	N119	-1.637245	0	-6.622542	0	
120	N120	-1.637245	3.833333	-6.622542	0	
121	N121	-1.637245	-3.166667	-6.622542	0	
122	N122	-0.	-.25	-2.303257	0	
123	N123	-0.	2.75	-2.303257	0	
124	N124	-1.994679	-.25	1.151628	0	
125	N125	-1.994679	2.75	1.151628	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	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	Face Horizo...	PIPE_3.0	Beam	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
3	Support Rail	PIPE_3.0	Beam	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
4	Connector P...	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
5	Standoff Hor...	HSS3X3X4	Beam	Tube	A500 Gr. B 42	Typical	2.44	3.02	3.02	5.08
6	Cross Brace	L2.5x1.5x4	Beam	Single Angle	A36 Gr.36	Typical	.947	.16	.594	.021
7	Corner Plate	PL5/8x6	Beam	RECT	A36 Gr.36	Typical	3.75	.122	11.25	.456
8	End Plate	PL5/8x6	Beam	RECT	A36 Gr.36	Typical	3.75	.122	11.25	.456
9	Kicker	LL3x3x4x0	Beam	Double Angl...	A36 Gr.36	Typical	2.88	4.5	2.46	.063
10	Face Brace	SR_1	Column	BAR	A36 Gr.36	Typical	.785	.049	.049	.098

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N6			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
2	M3	N2	N8			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
3	M5	N8	N6			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
4	M13	N15	N18			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
5	M15	N14	N20			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
6	M17	N20	N18			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
7	M25	N27	N30			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
8	M27	N26	N32			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
9	M29	N32	N30			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
10	M37	N3	N26			End Plate	Beam	RECT	A36 Gr.36	Typical
11	M38	N2	N15			End Plate	Beam	RECT	A36 Gr.36	Typical
12	M39	N27	N14			End Plate	Beam	RECT	A36 Gr.36	Typical
13	M40	N38	N39			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
14	M41	N40	N41			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
15	M42	N42	N43			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
16	M43	N44	N45			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
17	M44	N48	N51			RIGID	None	None	RIGID	Typical
18	M45	N47	N50			RIGID	None	None	RIGID	Typical
19	M46	N46	N49			RIGID	None	None	RIGID	Typical
20	M47	N52	N53			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
21	M48	N56	N59			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
22	M49	N55	N58			RIGID	None	None	RIGID	Typical
23	M50	N54	N57			RIGID	None	None	RIGID	Typical
24	M51	N60	N61			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
25	M52	N64	N67			RIGID	None	None	RIGID	Typical
26	M53	N63	N66			RIGID	None	None	RIGID	Typical
27	M54	N62	N65			RIGID	None	None	RIGID	Typical
28	M107	N116	N115			RIGID	None	None	RIGID	Typical
29	MP1A	N117	N118			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
30	M109A	N71	N70		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
31	M110A	N72	N71A			Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
32	M111	N73	N71A		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
33	M112A	N76	N69			Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
34	M113A	N77	N69		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
35	M114	N80	N70			Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
36	M36	N79	N78			RIGID	None	None	RIGID	Typical
37	MP2A	N80A	N81			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
38	M38A	N83	N82			RIGID	None	None	RIGID	Typical
39	MP3A	N84	N85			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
40	M40A	N87	N86			RIGID	None	None	RIGID	Typical
41	MP4A	N88	N89			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
42	M42A	N91	N90			RIGID	None	None	RIGID	Typical
43	MP1C	N92	N93			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
44	M44A	N95	N94			RIGID	None	None	RIGID	Typical
45	MP2C	N96	N97			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
46	M46A	N99	N98			RIGID	None	None	RIGID	Typical
47	MP3C	N100	N101			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
48	M48A	N103	N102			RIGID	None	None	RIGID	Typical
49	MP4C	N104	N105			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
50	M50A	N107	N106			RIGID	None	None	RIGID	Typical
51	MP1B	N108	N109			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
52	M52A	N111	N110			RIGID	None	None	RIGID	Typical
53	MP2B	N112	N113			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
54	M54A	N115A	N114			RIGID	None	None	RIGID	Typical
55	MP3B	N116A	N117A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
56	M56	N119	N118A			RIGID	None	None	RIGID	Typical
57	MP4B	N120	N121			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
58	OVP1	N123	N122			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
59	OVP2	N125	N124			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M3						Yes				None
3	M5						Yes				None
4	M13						Yes				None
5	M15						Yes				None
6	M17						Yes				None
7	M25						Yes				None
8	M27						Yes				None
9	M29						Yes				None
10	M37						Yes				None
11	M38						Yes				None
12	M39						Yes				None
13	M40						Yes				None
14	M41						Yes				None
15	M42						Yes				None
16	M43						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
17	M44	BenPIN					Yes	** NA **			None
18	M45	BenPIN					Yes	** NA **			None
19	M46	BenPIN					Yes	** NA **			None
20	M47						Yes				None
21	M48	BenPIN					Yes	** NA **			None
22	M49	BenPIN					Yes	** NA **			None
23	M50	BenPIN					Yes	** NA **			None
24	M51						Yes				None
25	M52	BenPIN					Yes	** NA **			None
26	M53	BenPIN					Yes	** NA **			None
27	M54	BenPIN					Yes	** NA **			None
28	M107						Yes	** NA **			None
29	MP1A						Yes	** NA **			None
30	M109A					Euler Buc...	Yes				None
31	M110A					Euler Buc...	Yes				None
32	M111					Euler Buc...	Yes				None
33	M112A					Euler Buc...	Yes				None
34	M113A					Euler Buc...	Yes				None
35	M114					Euler Buc...	Yes				None
36	M36						Yes	** NA **			None
37	MP2A						Yes	** NA **			None
38	M38A						Yes	** NA **			None
39	MP3A						Yes	** NA **			None
40	M40A						Yes	** NA **			None
41	MP4A						Yes	** NA **			None
42	M42A						Yes	** NA **			None
43	MP1C						Yes	** NA **			None
44	M44A						Yes	** NA **			None
45	MP2C						Yes	** NA **			None
46	M46A						Yes	** NA **			None
47	MP3C						Yes	** NA **			None
48	M48A						Yes	** NA **			None
49	MP4C						Yes	** NA **			None
50	M50A						Yes	** NA **			None
51	MP1B						Yes	** NA **			None
52	M52A						Yes	** NA **			None
53	MP2B						Yes	** NA **			None
54	M54A						Yes	** NA **			None
55	MP3B						Yes	** NA **			None
56	M56						Yes	** NA **			None
57	MP4B						Yes	** NA **			None
58	OVP1						Yes	** NA **			None
59	OVP2						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-20	1.5
2	MP1A	My	-.01	1.5
3	MP1A	Mz	0	1.5
4	MP1A	Y	-20	5.25
5	MP1A	My	-.01	5.25
6	MP1A	Mz	0	5.25
7	MP1B	Y	-20	1.5
8	MP1B	My	.002	1.5
9	MP1B	Mz	-.01	1.5
10	MP1B	Y	-20	5.25
11	MP1B	My	.002	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mz	-.01	5.25
13	MP1C	Y	-20	1.5
14	MP1C	My	.005	1.5
15	MP1C	Mz	.009	1.5
16	MP1C	Y	-20	5.25
17	MP1C	My	.005	5.25
18	MP1C	Mz	.009	5.25
19	MP4A	Y	-20	1.5
20	MP4A	My	-.01	1.5
21	MP4A	Mz	-.012	1.5
22	MP4A	Y	-20	5.25
23	MP4A	My	-.01	5.25
24	MP4A	Mz	-.012	5.25
25	MP4B	Y	-20	1.5
26	MP4B	My	-.01	1.5
27	MP4B	Mz	-.012	1.5
28	MP4B	Y	-20	5.25
29	MP4B	My	-.01	5.25
30	MP4B	Mz	-.012	5.25
31	MP4C	Y	-20	1.5
32	MP4C	My	.015	1.5
33	MP4C	Mz	.003	1.5
34	MP4C	Y	-20	5.25
35	MP4C	My	.015	5.25
36	MP4C	Mz	.003	5.25
37	MP4A	Y	-20	1.5
38	MP4A	My	-.01	1.5
39	MP4A	Mz	-.012	1.5
40	MP4A	Y	-20	5.25
41	MP4A	My	-.01	5.25
42	MP4A	Mz	-.012	5.25
43	MP4B	Y	-20	1.5
44	MP4B	My	.013	1.5
45	MP4B	Mz	-.008	1.5
46	MP4B	Y	-20	5.25
47	MP4B	My	.013	5.25
48	MP4B	Mz	-.008	5.25
49	MP4C	Y	-20	1.5
50	MP4C	My	-.005	1.5
51	MP4C	Mz	.014	1.5
52	MP4C	Y	-20	5.25
53	MP4C	My	-.005	5.25
54	MP4C	Mz	.014	5.25
55	MP2A	Y	-43.55	1.25
56	MP2A	My	-.022	1.25
57	MP2A	Mz	0	1.25
58	MP2A	Y	-43.55	3.25
59	MP2A	My	-.022	3.25
60	MP2A	Mz	0	3.25
61	MP2B	Y	-43.55	1.25
62	MP2B	My	.004	1.25
63	MP2B	Mz	-.021	1.25
64	MP2B	Y	-43.55	3.25
65	MP2B	My	.004	3.25
66	MP2B	Mz	-.021	3.25
67	MP2C	Y	-43.55	1.25
68	MP2C	My	.011	1.25
69	MP2C	Mz	.019	1.25
70	MP2C	Y	-43.55	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2C	My	.011	3.25
72	MP2C	Mz	.019	3.25
73	MP3A	Y	-74.7	2.75
74	MP3A	My	.025	2.75
75	MP3A	Mz	0	2.75
76	MP3B	Y	-74.7	2.75
77	MP3B	My	-.012	2.75
78	MP3B	Mz	.022	2.75
79	MP3C	Y	-74.7	2.75
80	MP3C	My	-.012	2.75
81	MP3C	Mz	-.022	2.75
82	MP4A	Y	-70.3	2.75
83	MP4A	My	.023	2.75
84	MP4A	Mz	0	2.75
85	MP4B	Y	-70.3	2.75
86	MP4B	My	-.012	2.75
87	MP4B	Mz	.02	2.75
88	MP4C	Y	-70.3	2.75
89	MP4C	My	-.012	2.75
90	MP4C	Mz	-.02	2.75
91	OVP1	Y	-32	.5
92	OVP1	My	0	.5
93	OVP1	Mz	0	.5
94	OVP2	Y	-32	.5
95	OVP2	My	0	.5
96	OVP2	Mz	0	.5
97	MP4B	Y	-17.6	4
98	MP4B	My	-.004	4
99	MP4B	Mz	.008	4
100	MP4B	Y	-17.6	4
101	MP4B	My	.002	4
102	MP4B	Mz	-.004	4

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-61.75	1.5
2	MP1A	My	-.031	1.5
3	MP1A	Mz	0	1.5
4	MP1A	Y	-61.75	5.25
5	MP1A	My	-.031	5.25
6	MP1A	Mz	0	5.25
7	MP1B	Y	-61.75	1.5
8	MP1B	My	.005	1.5
9	MP1B	Mz	-.03	1.5
10	MP1B	Y	-61.75	5.25
11	MP1B	My	.005	5.25
12	MP1B	Mz	-.03	5.25
13	MP1C	Y	-61.75	1.5
14	MP1C	My	.015	1.5
15	MP1C	Mz	.027	1.5
16	MP1C	Y	-61.75	5.25
17	MP1C	My	.015	5.25
18	MP1C	Mz	.027	5.25
19	MP4A	Y	-61.75	1.5
20	MP4A	My	-.03	1.5
21	MP4A	Mz	-.037	1.5
22	MP4A	Y	-61.75	5.25
23	MP4A	My	-.03	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP4A	Mz	-.037	5.25
25	MP4B	Y	-61.75	1.5
26	MP4B	My	-.03	1.5
27	MP4B	Mz	-.037	1.5
28	MP4B	Y	-61.75	5.25
29	MP4B	My	-.03	5.25
30	MP4B	Mz	-.037	5.25
31	MP4C	Y	-61.75	1.5
32	MP4C	My	.047	1.5
33	MP4C	Mz	.009	1.5
34	MP4C	Y	-61.75	5.25
35	MP4C	My	.047	5.25
36	MP4C	Mz	.009	5.25
37	MP4A	Y	-61.75	1.5
38	MP4A	My	-.031	1.5
39	MP4A	Mz	-.036	1.5
40	MP4A	Y	-61.75	5.25
41	MP4A	My	-.031	5.25
42	MP4A	Mz	-.036	5.25
43	MP4B	Y	-61.75	1.5
44	MP4B	My	.041	1.5
45	MP4B	Mz	-.024	1.5
46	MP4B	Y	-61.75	5.25
47	MP4B	My	.041	5.25
48	MP4B	Mz	-.024	5.25
49	MP4C	Y	-61.75	1.5
50	MP4C	My	-.016	1.5
51	MP4C	Mz	.045	1.5
52	MP4C	Y	-61.75	5.25
53	MP4C	My	-.016	5.25
54	MP4C	Mz	.045	5.25
55	MP2A	Y	-36.019	1.25
56	MP2A	My	-.018	1.25
57	MP2A	Mz	0	1.25
58	MP2A	Y	-36.019	3.25
59	MP2A	My	-.018	3.25
60	MP2A	Mz	0	3.25
61	MP2B	Y	-36.019	1.25
62	MP2B	My	.003	1.25
63	MP2B	Mz	-.018	1.25
64	MP2B	Y	-36.019	3.25
65	MP2B	My	.003	3.25
66	MP2B	Mz	-.018	3.25
67	MP2C	Y	-36.019	1.25
68	MP2C	My	.009	1.25
69	MP2C	Mz	.016	1.25
70	MP2C	Y	-36.019	3.25
71	MP2C	My	.009	3.25
72	MP2C	Mz	.016	3.25
73	MP3A	Y	-45.419	2.75
74	MP3A	My	.015	2.75
75	MP3A	Mz	0	2.75
76	MP3B	Y	-45.419	2.75
77	MP3B	My	-.008	2.75
78	MP3B	Mz	.013	2.75
79	MP3C	Y	-45.419	2.75
80	MP3C	My	-.008	2.75
81	MP3C	Mz	-.013	2.75
82	MP4A	Y	-43.254	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP4A	My	.014	2.75
84	MP4A	Mz	0	2.75
85	MP4B	Y	-43.254	2.75
86	MP4B	My	-.007	2.75
87	MP4B	Mz	.012	2.75
88	MP4C	Y	-43.254	2.75
89	MP4C	My	-.007	2.75
90	MP4C	Mz	-.012	2.75
91	OVP1	Y	-88.897	.5
92	OVP1	My	0	.5
93	OVP1	Mz	0	.5
94	OVP2	Y	-88.897	.5
95	OVP2	My	0	.5
96	OVP2	Mz	0	.5
97	MP4B	Y	-17.561	4
98	MP4B	My	-.004	4
99	MP4B	Mz	.008	4
100	MP4B	Y	-17.561	4
101	MP4B	My	.002	4
102	MP4B	Mz	-.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-119.803	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	5.25
5	MP1A	Z	-119.803	5.25
6	MP1A	Mx	0	5.25
7	MP1B	X	0	1.5
8	MP1B	Z	-53.589	1.5
9	MP1B	Mx	.026	1.5
10	MP1B	X	0	5.25
11	MP1B	Z	-53.589	5.25
12	MP1B	Mx	.026	5.25
13	MP1C	X	0	1.5
14	MP1C	Z	-68.599	1.5
15	MP1C	Mx	-.03	1.5
16	MP1C	X	0	5.25
17	MP1C	Z	-68.599	5.25
18	MP1C	Mx	-.03	5.25
19	MP4A	X	0	1.5
20	MP4A	Z	-53.589	1.5
21	MP4A	Mx	.032	1.5
22	MP4A	X	0	5.25
23	MP4A	Z	-53.589	5.25
24	MP4A	Mx	.032	5.25
25	MP4B	X	0	1.5
26	MP4B	Z	-53.589	1.5
27	MP4B	Mx	.032	1.5
28	MP4B	X	0	5.25
29	MP4B	Z	-53.589	5.25
30	MP4B	Mx	.032	5.25
31	MP4C	X	0	1.5
32	MP4C	Z	-68.599	1.5
33	MP4C	Mx	-.01	1.5
34	MP4C	X	0	5.25
35	MP4C	Z	-68.599	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP4C	Mx	-.01	5.25
37	MP4A	X	0	1.5
38	MP4A	Z	-119.803	1.5
39	MP4A	Mx	.07	1.5
40	MP4A	X	0	5.25
41	MP4A	Z	-119.803	5.25
42	MP4A	Mx	.07	5.25
43	MP4B	X	0	1.5
44	MP4B	Z	-53.589	1.5
45	MP4B	Mx	.021	1.5
46	MP4B	X	0	5.25
47	MP4B	Z	-53.589	5.25
48	MP4B	Mx	.021	5.25
49	MP4C	X	0	1.5
50	MP4C	Z	-68.599	1.5
51	MP4C	Mx	-.05	1.5
52	MP4C	X	0	5.25
53	MP4C	Z	-68.599	5.25
54	MP4C	Mx	-.05	5.25
55	MP2A	X	0	1.25
56	MP2A	Z	-85.232	1.25
57	MP2A	Mx	0	1.25
58	MP2A	X	0	3.25
59	MP2A	Z	-85.232	3.25
60	MP2A	Mx	0	3.25
61	MP2B	X	0	1.25
62	MP2B	Z	-31.038	1.25
63	MP2B	Mx	.015	1.25
64	MP2B	X	0	3.25
65	MP2B	Z	-31.038	3.25
66	MP2B	Mx	.015	3.25
67	MP2C	X	0	1.25
68	MP2C	Z	-43.323	1.25
69	MP2C	Mx	-.019	1.25
70	MP2C	X	0	3.25
71	MP2C	Z	-43.323	3.25
72	MP2C	Mx	-.019	3.25
73	MP3A	X	0	2.75
74	MP3A	Z	-67.403	2.75
75	MP3A	Mx	0	2.75
76	MP3B	X	0	2.75
77	MP3B	Z	-50.77	2.75
78	MP3B	Mx	-.015	2.75
79	MP3C	X	0	2.75
80	MP3C	Z	-50.77	2.75
81	MP3C	Mx	.015	2.75
82	MP4A	X	0	2.75
83	MP4A	Z	-67.403	2.75
84	MP4A	Mx	0	2.75
85	MP4B	X	0	2.75
86	MP4B	Z	-47.508	2.75
87	MP4B	Mx	-.014	2.75
88	MP4C	X	0	2.75
89	MP4C	Z	-47.508	2.75
90	MP4C	Mx	.014	2.75
91	OVP1	X	0	.5
92	OVP1	Z	-113.063	.5
93	OVP1	Mx	0	.5
94	OVP2	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	OVP2	Z	-113.063	.5
96	OVP2	Mx	0	.5
97	MP4B	X	0	4
98	MP4B	Z	-19.933	4
99	MP4B	Mx	-.009	4
100	MP4B	X	0	4
101	MP4B	Z	-19.933	4
102	MP4B	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	51.368	1.5
2	MP1A	Z	-88.971	1.5
3	MP1A	Mx	-.026	1.5
4	MP1A	X	51.368	5.25
5	MP1A	Z	-88.971	5.25
6	MP1A	Mx	-.026	5.25
7	MP1B	X	29.759	1.5
8	MP1B	Z	-51.543	1.5
9	MP1B	Mx	.028	1.5
10	MP1B	X	29.759	5.25
11	MP1B	Z	-51.543	5.25
12	MP1B	Mx	.028	5.25
13	MP1C	X	51.368	1.5
14	MP1C	Z	-88.971	1.5
15	MP1C	Mx	-.026	1.5
16	MP1C	X	51.368	5.25
17	MP1C	Z	-88.971	5.25
18	MP1C	Mx	-.026	5.25
19	MP4A	X	29.759	1.5
20	MP4A	Z	-51.543	1.5
21	MP4A	Mx	.016	1.5
22	MP4A	X	29.759	5.25
23	MP4A	Z	-51.543	5.25
24	MP4A	Mx	.016	5.25
25	MP4B	X	29.759	1.5
26	MP4B	Z	-51.543	1.5
27	MP4B	Mx	.016	1.5
28	MP4B	X	29.759	5.25
29	MP4B	Z	-51.543	5.25
30	MP4B	Mx	.016	5.25
31	MP4C	X	51.368	1.5
32	MP4C	Z	-88.971	1.5
33	MP4C	Mx	.026	1.5
34	MP4C	X	51.368	5.25
35	MP4C	Z	-88.971	5.25
36	MP4C	Mx	.026	5.25
37	MP4A	X	51.368	1.5
38	MP4A	Z	-88.971	1.5
39	MP4A	Mx	.026	1.5
40	MP4A	X	51.368	5.25
41	MP4A	Z	-88.971	5.25
42	MP4A	Mx	.026	5.25
43	MP4B	X	29.759	1.5
44	MP4B	Z	-51.543	1.5
45	MP4B	Mx	.04	1.5
46	MP4B	X	29.759	5.25
47	MP4B	Z	-51.543	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	.04	5.25
49	MP4C	X	51.368	1.5
50	MP4C	Z	-88.971	1.5
51	MP4C	Mx	-.078	1.5
52	MP4C	X	51.368	5.25
53	MP4C	Z	-88.971	5.25
54	MP4C	Mx	-.078	5.25
55	MP2A	X	35.631	1.25
56	MP2A	Z	-61.715	1.25
57	MP2A	Mx	-.018	1.25
58	MP2A	X	35.631	3.25
59	MP2A	Z	-61.715	3.25
60	MP2A	Mx	-.018	3.25
61	MP2B	X	17.945	1.25
62	MP2B	Z	-31.081	1.25
63	MP2B	Mx	.017	1.25
64	MP2B	X	17.945	3.25
65	MP2B	Z	-31.081	3.25
66	MP2B	Mx	.017	3.25
67	MP2C	X	35.631	1.25
68	MP2C	Z	-61.715	1.25
69	MP2C	Mx	-.018	1.25
70	MP2C	X	35.631	3.25
71	MP2C	Z	-61.715	3.25
72	MP2C	Mx	-.018	3.25
73	MP3A	X	30.929	2.75
74	MP3A	Z	-53.571	2.75
75	MP3A	Mx	.01	2.75
76	MP3B	X	22.613	2.75
77	MP3B	Z	-39.166	2.75
78	MP3B	Mx	-.015	2.75
79	MP3C	X	30.929	2.75
80	MP3C	Z	-53.571	2.75
81	MP3C	Mx	.01	2.75
82	MP4A	X	30.386	2.75
83	MP4A	Z	-52.63	2.75
84	MP4A	Mx	.01	2.75
85	MP4B	X	20.438	2.75
86	MP4B	Z	-35.4	2.75
87	MP4B	Mx	-.014	2.75
88	MP4C	X	30.386	2.75
89	MP4C	Z	-52.63	2.75
90	MP4C	Mx	.01	2.75
91	OVP1	X	64.794	.5
92	OVP1	Z	-112.226	.5
93	OVP1	Mx	0	.5
94	OVP2	X	52.4	.5
95	OVP2	Z	-90.76	.5
96	OVP2	Mx	0	.5
97	MP4B	X	6.331	4
98	MP4B	Z	-10.966	4
99	MP4B	Mx	-.006	4
100	MP4B	X	6.331	4
101	MP4B	Z	-10.966	4
102	MP4B	Mx	.003	4

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	59.408	1.5
2	MP1A	Z	-34.299	1.5
3	MP1A	Mx	-.03	1.5
4	MP1A	X	59.408	5.25
5	MP1A	Z	-34.299	5.25
6	MP1A	Mx	-.03	5.25
7	MP1B	X	79.323	1.5
8	MP1B	Z	-45.797	1.5
9	MP1B	Mx	.029	1.5
10	MP1B	X	79.323	5.25
11	MP1B	Z	-45.797	5.25
12	MP1B	Mx	.029	5.25
13	MP1C	X	103.753	1.5
14	MP1C	Z	-59.902	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	103.753	5.25
17	MP1C	Z	-59.902	5.25
18	MP1C	Mx	0	5.25
19	MP4A	X	79.323	1.5
20	MP4A	Z	-45.797	1.5
21	MP4A	Mx	-.011	1.5
22	MP4A	X	79.323	5.25
23	MP4A	Z	-45.797	5.25
24	MP4A	Mx	-.011	5.25
25	MP4B	X	79.323	1.5
26	MP4B	Z	-45.797	1.5
27	MP4B	Mx	-.011	1.5
28	MP4B	X	79.323	5.25
29	MP4B	Z	-45.797	5.25
30	MP4B	Mx	-.011	5.25
31	MP4C	X	103.753	1.5
32	MP4C	Z	-59.902	1.5
33	MP4C	Mx	.07	1.5
34	MP4C	X	103.753	5.25
35	MP4C	Z	-59.902	5.25
36	MP4C	Mx	.07	5.25
37	MP4A	X	59.408	1.5
38	MP4A	Z	-34.299	1.5
39	MP4A	Mx	-.01	1.5
40	MP4A	X	59.408	5.25
41	MP4A	Z	-34.299	5.25
42	MP4A	Mx	-.01	5.25
43	MP4B	X	79.323	1.5
44	MP4B	Z	-45.797	1.5
45	MP4B	Mx	.07	1.5
46	MP4B	X	79.323	5.25
47	MP4B	Z	-45.797	5.25
48	MP4B	Mx	.07	5.25
49	MP4C	X	103.753	1.5
50	MP4C	Z	-59.902	1.5
51	MP4C	Mx	-.07	1.5
52	MP4C	X	103.753	5.25
53	MP4C	Z	-59.902	5.25
54	MP4C	Mx	-.07	5.25
55	MP2A	X	37.519	1.25
56	MP2A	Z	-21.661	1.25
57	MP2A	Mx	-.019	1.25
58	MP2A	X	37.519	3.25
59	MP2A	Z	-21.661	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2A	Mx	-.019	3.25
61	MP2B	X	53.818	1.25
62	MP2B	Z	-31.072	1.25
63	MP2B	Mx	.02	1.25
64	MP2B	X	53.818	3.25
65	MP2B	Z	-31.072	3.25
66	MP2B	Mx	.02	3.25
67	MP2C	X	73.813	1.25
68	MP2C	Z	-42.616	1.25
69	MP2C	Mx	0	1.25
70	MP2C	X	73.813	3.25
71	MP2C	Z	-42.616	3.25
72	MP2C	Mx	0	3.25
73	MP3A	X	43.968	2.75
74	MP3A	Z	-25.385	2.75
75	MP3A	Mx	.015	2.75
76	MP3B	X	43.968	2.75
77	MP3B	Z	-25.385	2.75
78	MP3B	Mx	-.015	2.75
79	MP3C	X	58.373	2.75
80	MP3C	Z	-33.702	2.75
81	MP3C	Mx	0	2.75
82	MP4A	X	41.143	2.75
83	MP4A	Z	-23.754	2.75
84	MP4A	Mx	.014	2.75
85	MP4B	X	41.143	2.75
86	MP4B	Z	-23.754	2.75
87	MP4B	Mx	-.014	2.75
88	MP4C	X	58.373	2.75
89	MP4C	Z	-33.702	2.75
90	MP4C	Mx	0	2.75
91	OVP1	X	119.382	.5
92	OVP1	Z	-68.925	.5
93	OVP1	Mx	0	.5
94	OVP2	X	97.916	.5
95	OVP2	Z	-56.532	.5
96	OVP2	Mx	0	.5
97	MP4B	X	17.262	4
98	MP4B	Z	-9.967	4
99	MP4B	Mx	-.009	4
100	MP4B	X	17.262	4
101	MP4B	Z	-9.967	4
102	MP4B	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	51.531	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.026	1.5
4	MP1A	X	51.531	5.25
5	MP1A	Z	0	5.25
6	MP1A	Mx	-.026	5.25
7	MP1B	X	117.745	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.01	1.5
10	MP1B	X	117.745	5.25
11	MP1B	Z	0	5.25
12	MP1B	Mx	.01	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1C	X	102.735	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.026	1.5
16	MP1C	X	102.735	5.25
17	MP1C	Z	0	5.25
18	MP1C	Mx	.026	5.25
19	MP4A	X	117.745	1.5
20	MP4A	Z	0	1.5
21	MP4A	Mx	-.057	1.5
22	MP4A	X	117.745	5.25
23	MP4A	Z	0	5.25
24	MP4A	Mx	-.057	5.25
25	MP4B	X	117.745	1.5
26	MP4B	Z	0	1.5
27	MP4B	Mx	-.057	1.5
28	MP4B	X	117.745	5.25
29	MP4B	Z	0	5.25
30	MP4B	Mx	-.057	5.25
31	MP4C	X	102.735	1.5
32	MP4C	Z	0	1.5
33	MP4C	Mx	.078	1.5
34	MP4C	X	102.735	5.25
35	MP4C	Z	0	5.25
36	MP4C	Mx	.078	5.25
37	MP4A	X	51.531	1.5
38	MP4A	Z	0	1.5
39	MP4A	Mx	-.026	1.5
40	MP4A	X	51.531	5.25
41	MP4A	Z	0	5.25
42	MP4A	Mx	-.026	5.25
43	MP4B	X	117.745	1.5
44	MP4B	Z	0	1.5
45	MP4B	Mx	.078	1.5
46	MP4B	X	117.745	5.25
47	MP4B	Z	0	5.25
48	MP4B	Mx	.078	5.25
49	MP4C	X	102.735	1.5
50	MP4C	Z	0	1.5
51	MP4C	Mx	-.026	1.5
52	MP4C	X	102.735	5.25
53	MP4C	Z	0	5.25
54	MP4C	Mx	-.026	5.25
55	MP2A	X	29.353	1.25
56	MP2A	Z	0	1.25
57	MP2A	Mx	-.015	1.25
58	MP2A	X	29.353	3.25
59	MP2A	Z	0	3.25
60	MP2A	Mx	-.015	3.25
61	MP2B	X	83.547	1.25
62	MP2B	Z	0	1.25
63	MP2B	Mx	.007	1.25
64	MP2B	X	83.547	3.25
65	MP2B	Z	0	3.25
66	MP2B	Mx	.007	3.25
67	MP2C	X	71.262	1.25
68	MP2C	Z	0	1.25
69	MP2C	Mx	.018	1.25
70	MP2C	X	71.262	3.25
71	MP2C	Z	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	.018	3.25
73	MP3A	X	45.225	2.75
74	MP3A	Z	0	2.75
75	MP3A	Mx	.015	2.75
76	MP3B	X	61.859	2.75
77	MP3B	Z	0	2.75
78	MP3B	Mx	-.01	2.75
79	MP3C	X	61.859	2.75
80	MP3C	Z	0	2.75
81	MP3C	Mx	-.01	2.75
82	MP4A	X	40.877	2.75
83	MP4A	Z	0	2.75
84	MP4A	Mx	.014	2.75
85	MP4B	X	60.771	2.75
86	MP4B	Z	0	2.75
87	MP4B	Mx	-.01	2.75
88	MP4C	X	60.771	2.75
89	MP4C	Z	0	2.75
90	MP4C	Mx	-.01	2.75
91	OVP1	X	129.588	.5
92	OVP1	Z	0	.5
93	OVP1	Mx	0	.5
94	OVP2	X	129.588	.5
95	OVP2	Z	0	.5
96	OVP2	Mx	0	.5
97	MP4B	X	34.475	4
98	MP4B	Z	0	4
99	MP4B	Mx	-.009	4
100	MP4B	X	34.475	4
101	MP4B	Z	0	4
102	MP4B	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	59.408	1.5
2	MP1A	Z	34.299	1.5
3	MP1A	Mx	-.03	1.5
4	MP1A	X	59.408	5.25
5	MP1A	Z	34.299	5.25
6	MP1A	Mx	-.03	5.25
7	MP1B	X	96.836	1.5
8	MP1B	Z	55.909	1.5
9	MP1B	Mx	-.019	1.5
10	MP1B	X	96.836	5.25
11	MP1B	Z	55.909	5.25
12	MP1B	Mx	-.019	5.25
13	MP1C	X	59.408	1.5
14	MP1C	Z	34.299	1.5
15	MP1C	Mx	.03	1.5
16	MP1C	X	59.408	5.25
17	MP1C	Z	34.299	5.25
18	MP1C	Mx	.03	5.25
19	MP4A	X	96.836	1.5
20	MP4A	Z	55.909	1.5
21	MP4A	Mx	-.08	1.5
22	MP4A	X	96.836	5.25
23	MP4A	Z	55.909	5.25
24	MP4A	Mx	-.08	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP4B	X	96.836	1.5
26	MP4B	Z	55.909	1.5
27	MP4B	Mx	-.08	1.5
28	MP4B	X	96.836	5.25
29	MP4B	Z	55.909	5.25
30	MP4B	Mx	-.08	5.25
31	MP4C	X	59.408	1.5
32	MP4C	Z	34.299	1.5
33	MP4C	Mx	.05	1.5
34	MP4C	X	59.408	5.25
35	MP4C	Z	34.299	5.25
36	MP4C	Mx	.05	5.25
37	MP4A	X	59.408	1.5
38	MP4A	Z	34.299	1.5
39	MP4A	Mx	-.05	1.5
40	MP4A	X	59.408	5.25
41	MP4A	Z	34.299	5.25
42	MP4A	Mx	-.05	5.25
43	MP4B	X	96.836	1.5
44	MP4B	Z	55.909	1.5
45	MP4B	Mx	.042	1.5
46	MP4B	X	96.836	5.25
47	MP4B	Z	55.909	5.25
48	MP4B	Mx	.042	5.25
49	MP4C	X	59.408	1.5
50	MP4C	Z	34.299	1.5
51	MP4C	Mx	.01	1.5
52	MP4C	X	59.408	5.25
53	MP4C	Z	34.299	5.25
54	MP4C	Mx	.01	5.25
55	MP2A	X	37.519	1.25
56	MP2A	Z	21.661	1.25
57	MP2A	Mx	-.019	1.25
58	MP2A	X	37.519	3.25
59	MP2A	Z	21.661	3.25
60	MP2A	Mx	-.019	3.25
61	MP2B	X	68.152	1.25
62	MP2B	Z	39.348	1.25
63	MP2B	Mx	-.013	1.25
64	MP2B	X	68.152	3.25
65	MP2B	Z	39.348	3.25
66	MP2B	Mx	-.013	3.25
67	MP2C	X	37.519	1.25
68	MP2C	Z	21.661	1.25
69	MP2C	Mx	.019	1.25
70	MP2C	X	37.519	3.25
71	MP2C	Z	21.661	3.25
72	MP2C	Mx	.019	3.25
73	MP3A	X	43.968	2.75
74	MP3A	Z	25.385	2.75
75	MP3A	Mx	.015	2.75
76	MP3B	X	58.373	2.75
77	MP3B	Z	33.702	2.75
78	MP3B	Mx	0	2.75
79	MP3C	X	43.968	2.75
80	MP3C	Z	25.385	2.75
81	MP3C	Mx	-.015	2.75
82	MP4A	X	41.143	2.75
83	MP4A	Z	23.754	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP4A	Mx	.014	2.75
85	MP4B	X	58.373	2.75
86	MP4B	Z	33.702	2.75
87	MP4B	Mx	0	2.75
88	MP4C	X	41.143	2.75
89	MP4C	Z	23.754	2.75
90	MP4C	Mx	-.014	2.75
91	OVP1	X	97.916	.5
92	OVP1	Z	56.532	.5
93	OVP1	Mx	0	.5
94	OVP2	X	119.382	.5
95	OVP2	Z	68.925	.5
96	OVP2	Mx	0	.5
97	MP4B	X	36.153	4
98	MP4B	Z	20.873	4
99	MP4B	Mx	0	4
100	MP4B	X	36.153	4
101	MP4B	Z	20.873	4
102	MP4B	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	51.368	1.5
2	MP1A	Z	88.971	1.5
3	MP1A	Mx	-.026	1.5
4	MP1A	X	51.368	5.25
5	MP1A	Z	88.971	5.25
6	MP1A	Mx	-.026	5.25
7	MP1B	X	39.87	1.5
8	MP1B	Z	69.056	1.5
9	MP1B	Mx	-.031	1.5
10	MP1B	X	39.87	5.25
11	MP1B	Z	69.056	5.25
12	MP1B	Mx	-.031	5.25
13	MP1C	X	25.765	1.5
14	MP1C	Z	44.627	1.5
15	MP1C	Mx	.026	1.5
16	MP1C	X	25.765	5.25
17	MP1C	Z	44.627	5.25
18	MP1C	Mx	.026	5.25
19	MP4A	X	39.87	1.5
20	MP4A	Z	69.056	1.5
21	MP4A	Mx	-.06	1.5
22	MP4A	X	39.87	5.25
23	MP4A	Z	69.056	5.25
24	MP4A	Mx	-.06	5.25
25	MP4B	X	39.87	1.5
26	MP4B	Z	69.056	1.5
27	MP4B	Mx	-.06	1.5
28	MP4B	X	39.87	5.25
29	MP4B	Z	69.056	5.25
30	MP4B	Mx	-.06	5.25
31	MP4C	X	25.765	1.5
32	MP4C	Z	44.627	1.5
33	MP4C	Mx	.026	1.5
34	MP4C	X	25.765	5.25
35	MP4C	Z	44.627	5.25
36	MP4C	Mx	.026	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP4A	X	51.368	1.5
38	MP4A	Z	88.971	1.5
39	MP4A	Mx	-.078	1.5
40	MP4A	X	51.368	5.25
41	MP4A	Z	88.971	5.25
42	MP4A	Mx	-.078	5.25
43	MP4B	X	39.87	1.5
44	MP4B	Z	69.056	1.5
45	MP4B	Mx	-.000643	1.5
46	MP4B	X	39.87	5.25
47	MP4B	Z	69.056	5.25
48	MP4B	Mx	-.000643	5.25
49	MP4C	X	25.765	1.5
50	MP4C	Z	44.627	1.5
51	MP4C	Mx	.026	1.5
52	MP4C	X	25.765	5.25
53	MP4C	Z	44.627	5.25
54	MP4C	Mx	.026	5.25
55	MP2A	X	35.631	1.25
56	MP2A	Z	61.715	1.25
57	MP2A	Mx	-.018	1.25
58	MP2A	X	35.631	3.25
59	MP2A	Z	61.715	3.25
60	MP2A	Mx	-.018	3.25
61	MP2B	X	26.22	1.25
62	MP2B	Z	45.415	1.25
63	MP2B	Mx	-.02	1.25
64	MP2B	X	26.22	3.25
65	MP2B	Z	45.415	3.25
66	MP2B	Mx	-.02	3.25
67	MP2C	X	14.676	1.25
68	MP2C	Z	25.42	1.25
69	MP2C	Mx	.015	1.25
70	MP2C	X	14.676	3.25
71	MP2C	Z	25.42	3.25
72	MP2C	Mx	.015	3.25
73	MP3A	X	30.929	2.75
74	MP3A	Z	53.571	2.75
75	MP3A	Mx	.01	2.75
76	MP3B	X	30.929	2.75
77	MP3B	Z	53.571	2.75
78	MP3B	Mx	.01	2.75
79	MP3C	X	22.613	2.75
80	MP3C	Z	39.166	2.75
81	MP3C	Mx	-.015	2.75
82	MP4A	X	30.386	2.75
83	MP4A	Z	52.63	2.75
84	MP4A	Mx	.01	2.75
85	MP4B	X	30.386	2.75
86	MP4B	Z	52.63	2.75
87	MP4B	Mx	.01	2.75
88	MP4C	X	20.438	2.75
89	MP4C	Z	35.4	2.75
90	MP4C	Mx	-.014	2.75
91	OVP1	X	52.4	.5
92	OVP1	Z	90.76	.5
93	OVP1	Mx	0	.5
94	OVP2	X	64.794	.5
95	OVP2	Z	112.226	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	OVP2	Mx	0	.5
97	MP4B	X	17.238	4
98	MP4B	Z	29.856	4
99	MP4B	Mx	.009	4
100	MP4B	X	17.238	4
101	MP4B	Z	29.856	4
102	MP4B	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	119.803	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	5.25
5	MP1A	Z	119.803	5.25
6	MP1A	Mx	0	5.25
7	MP1B	X	0	1.5
8	MP1B	Z	53.589	1.5
9	MP1B	Mx	-.026	1.5
10	MP1B	X	0	5.25
11	MP1B	Z	53.589	5.25
12	MP1B	Mx	-.026	5.25
13	MP1C	X	0	1.5
14	MP1C	Z	68.599	1.5
15	MP1C	Mx	.03	1.5
16	MP1C	X	0	5.25
17	MP1C	Z	68.599	5.25
18	MP1C	Mx	.03	5.25
19	MP4A	X	0	1.5
20	MP4A	Z	53.589	1.5
21	MP4A	Mx	-.032	1.5
22	MP4A	X	0	5.25
23	MP4A	Z	53.589	5.25
24	MP4A	Mx	-.032	5.25
25	MP4B	X	0	1.5
26	MP4B	Z	53.589	1.5
27	MP4B	Mx	-.032	1.5
28	MP4B	X	0	5.25
29	MP4B	Z	53.589	5.25
30	MP4B	Mx	-.032	5.25
31	MP4C	X	0	1.5
32	MP4C	Z	68.599	1.5
33	MP4C	Mx	.01	1.5
34	MP4C	X	0	5.25
35	MP4C	Z	68.599	5.25
36	MP4C	Mx	.01	5.25
37	MP4A	X	0	1.5
38	MP4A	Z	119.803	1.5
39	MP4A	Mx	-.07	1.5
40	MP4A	X	0	5.25
41	MP4A	Z	119.803	5.25
42	MP4A	Mx	-.07	5.25
43	MP4B	X	0	1.5
44	MP4B	Z	53.589	1.5
45	MP4B	Mx	-.021	1.5
46	MP4B	X	0	5.25
47	MP4B	Z	53.589	5.25
48	MP4B	Mx	-.021	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP4C	X	0	1.5
50	MP4C	Z	68.599	1.5
51	MP4C	Mx	.05	1.5
52	MP4C	X	0	5.25
53	MP4C	Z	68.599	5.25
54	MP4C	Mx	.05	5.25
55	MP2A	X	0	1.25
56	MP2A	Z	85.232	1.25
57	MP2A	Mx	0	1.25
58	MP2A	X	0	3.25
59	MP2A	Z	85.232	3.25
60	MP2A	Mx	0	3.25
61	MP2B	X	0	1.25
62	MP2B	Z	31.038	1.25
63	MP2B	Mx	-.015	1.25
64	MP2B	X	0	3.25
65	MP2B	Z	31.038	3.25
66	MP2B	Mx	-.015	3.25
67	MP2C	X	0	1.25
68	MP2C	Z	43.323	1.25
69	MP2C	Mx	.019	1.25
70	MP2C	X	0	3.25
71	MP2C	Z	43.323	3.25
72	MP2C	Mx	.019	3.25
73	MP3A	X	0	2.75
74	MP3A	Z	67.403	2.75
75	MP3A	Mx	0	2.75
76	MP3B	X	0	2.75
77	MP3B	Z	50.77	2.75
78	MP3B	Mx	.015	2.75
79	MP3C	X	0	2.75
80	MP3C	Z	50.77	2.75
81	MP3C	Mx	-.015	2.75
82	MP4A	X	0	2.75
83	MP4A	Z	67.403	2.75
84	MP4A	Mx	0	2.75
85	MP4B	X	0	2.75
86	MP4B	Z	47.508	2.75
87	MP4B	Mx	.014	2.75
88	MP4C	X	0	2.75
89	MP4C	Z	47.508	2.75
90	MP4C	Mx	-.014	2.75
91	OVP1	X	0	.5
92	OVP1	Z	113.063	.5
93	OVP1	Mx	0	.5
94	OVP2	X	0	.5
95	OVP2	Z	113.063	.5
96	OVP2	Mx	0	.5
97	MP4B	X	0	4
98	MP4B	Z	19.933	4
99	MP4B	Mx	.009	4
100	MP4B	X	0	4
101	MP4B	Z	19.933	4
102	MP4B	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-51.368	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP1A	Z	88.971	1.5
3	MP1A	Mx	.026	1.5
4	MP1A	X	-51.368	5.25
5	MP1A	Z	88.971	5.25
6	MP1A	Mx	.026	5.25
7	MP1B	X	-29.759	1.5
8	MP1B	Z	51.543	1.5
9	MP1B	Mx	-.028	1.5
10	MP1B	X	-29.759	5.25
11	MP1B	Z	51.543	5.25
12	MP1B	Mx	-.028	5.25
13	MP1C	X	-51.368	1.5
14	MP1C	Z	88.971	1.5
15	MP1C	Mx	.026	1.5
16	MP1C	X	-51.368	5.25
17	MP1C	Z	88.971	5.25
18	MP1C	Mx	.026	5.25
19	MP4A	X	-29.759	1.5
20	MP4A	Z	51.543	1.5
21	MP4A	Mx	-.016	1.5
22	MP4A	X	-29.759	5.25
23	MP4A	Z	51.543	5.25
24	MP4A	Mx	-.016	5.25
25	MP4B	X	-29.759	1.5
26	MP4B	Z	51.543	1.5
27	MP4B	Mx	-.016	1.5
28	MP4B	X	-29.759	5.25
29	MP4B	Z	51.543	5.25
30	MP4B	Mx	-.016	5.25
31	MP4C	X	-51.368	1.5
32	MP4C	Z	88.971	1.5
33	MP4C	Mx	-.026	1.5
34	MP4C	X	-51.368	5.25
35	MP4C	Z	88.971	5.25
36	MP4C	Mx	-.026	5.25
37	MP4A	X	-51.368	1.5
38	MP4A	Z	88.971	1.5
39	MP4A	Mx	-.026	1.5
40	MP4A	X	-51.368	5.25
41	MP4A	Z	88.971	5.25
42	MP4A	Mx	-.026	5.25
43	MP4B	X	-29.759	1.5
44	MP4B	Z	51.543	1.5
45	MP4B	Mx	-.04	1.5
46	MP4B	X	-29.759	5.25
47	MP4B	Z	51.543	5.25
48	MP4B	Mx	-.04	5.25
49	MP4C	X	-51.368	1.5
50	MP4C	Z	88.971	1.5
51	MP4C	Mx	.078	1.5
52	MP4C	X	-51.368	5.25
53	MP4C	Z	88.971	5.25
54	MP4C	Mx	.078	5.25
55	MP2A	X	-35.631	1.25
56	MP2A	Z	61.715	1.25
57	MP2A	Mx	.018	1.25
58	MP2A	X	-35.631	3.25
59	MP2A	Z	61.715	3.25
60	MP2A	Mx	.018	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2B	X	-17.945	1.25
62	MP2B	Z	31.081	1.25
63	MP2B	Mx	-.017	1.25
64	MP2B	X	-17.945	3.25
65	MP2B	Z	31.081	3.25
66	MP2B	Mx	-.017	3.25
67	MP2C	X	-35.631	1.25
68	MP2C	Z	61.715	1.25
69	MP2C	Mx	.018	1.25
70	MP2C	X	-35.631	3.25
71	MP2C	Z	61.715	3.25
72	MP2C	Mx	.018	3.25
73	MP3A	X	-30.929	2.75
74	MP3A	Z	53.571	2.75
75	MP3A	Mx	-.01	2.75
76	MP3B	X	-22.613	2.75
77	MP3B	Z	39.166	2.75
78	MP3B	Mx	.015	2.75
79	MP3C	X	-30.929	2.75
80	MP3C	Z	53.571	2.75
81	MP3C	Mx	-.01	2.75
82	MP4A	X	-30.386	2.75
83	MP4A	Z	52.63	2.75
84	MP4A	Mx	-.01	2.75
85	MP4B	X	-20.438	2.75
86	MP4B	Z	35.4	2.75
87	MP4B	Mx	.014	2.75
88	MP4C	X	-30.386	2.75
89	MP4C	Z	52.63	2.75
90	MP4C	Mx	-.01	2.75
91	OVP1	X	-64.794	.5
92	OVP1	Z	112.226	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-52.4	.5
95	OVP2	Z	90.76	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-6.331	4
98	MP4B	Z	10.966	4
99	MP4B	Mx	.006	4
100	MP4B	X	-6.331	4
101	MP4B	Z	10.966	4
102	MP4B	Mx	-.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-59.408	1.5
2	MP1A	Z	34.299	1.5
3	MP1A	Mx	.03	1.5
4	MP1A	X	-59.408	5.25
5	MP1A	Z	34.299	5.25
6	MP1A	Mx	.03	5.25
7	MP1B	X	-79.323	1.5
8	MP1B	Z	45.797	1.5
9	MP1B	Mx	-.029	1.5
10	MP1B	X	-79.323	5.25
11	MP1B	Z	45.797	5.25
12	MP1B	Mx	-.029	5.25
13	MP1C	X	-103.753	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP1C	Z	59.902	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	-103.753	5.25
17	MP1C	Z	59.902	5.25
18	MP1C	Mx	0	5.25
19	MP4A	X	-79.323	1.5
20	MP4A	Z	45.797	1.5
21	MP4A	Mx	.011	1.5
22	MP4A	X	-79.323	5.25
23	MP4A	Z	45.797	5.25
24	MP4A	Mx	.011	5.25
25	MP4B	X	-79.323	1.5
26	MP4B	Z	45.797	1.5
27	MP4B	Mx	.011	1.5
28	MP4B	X	-79.323	5.25
29	MP4B	Z	45.797	5.25
30	MP4B	Mx	.011	5.25
31	MP4C	X	-103.753	1.5
32	MP4C	Z	59.902	1.5
33	MP4C	Mx	-.07	1.5
34	MP4C	X	-103.753	5.25
35	MP4C	Z	59.902	5.25
36	MP4C	Mx	-.07	5.25
37	MP4A	X	-59.408	1.5
38	MP4A	Z	34.299	1.5
39	MP4A	Mx	.01	1.5
40	MP4A	X	-59.408	5.25
41	MP4A	Z	34.299	5.25
42	MP4A	Mx	.01	5.25
43	MP4B	X	-79.323	1.5
44	MP4B	Z	45.797	1.5
45	MP4B	Mx	-.07	1.5
46	MP4B	X	-79.323	5.25
47	MP4B	Z	45.797	5.25
48	MP4B	Mx	-.07	5.25
49	MP4C	X	-103.753	1.5
50	MP4C	Z	59.902	1.5
51	MP4C	Mx	.07	1.5
52	MP4C	X	-103.753	5.25
53	MP4C	Z	59.902	5.25
54	MP4C	Mx	.07	5.25
55	MP2A	X	-37.519	1.25
56	MP2A	Z	21.661	1.25
57	MP2A	Mx	.019	1.25
58	MP2A	X	-37.519	3.25
59	MP2A	Z	21.661	3.25
60	MP2A	Mx	.019	3.25
61	MP2B	X	-53.818	1.25
62	MP2B	Z	31.072	1.25
63	MP2B	Mx	-.02	1.25
64	MP2B	X	-53.818	3.25
65	MP2B	Z	31.072	3.25
66	MP2B	Mx	-.02	3.25
67	MP2C	X	-73.813	1.25
68	MP2C	Z	42.616	1.25
69	MP2C	Mx	0	1.25
70	MP2C	X	-73.813	3.25
71	MP2C	Z	42.616	3.25
72	MP2C	Mx	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP3A	X	-43.968	2.75
74	MP3A	Z	25.385	2.75
75	MP3A	Mx	-.015	2.75
76	MP3B	X	-43.968	2.75
77	MP3B	Z	25.385	2.75
78	MP3B	Mx	.015	2.75
79	MP3C	X	-58.373	2.75
80	MP3C	Z	33.702	2.75
81	MP3C	Mx	0	2.75
82	MP4A	X	-41.143	2.75
83	MP4A	Z	23.754	2.75
84	MP4A	Mx	-.014	2.75
85	MP4B	X	-41.143	2.75
86	MP4B	Z	23.754	2.75
87	MP4B	Mx	.014	2.75
88	MP4C	X	-58.373	2.75
89	MP4C	Z	33.702	2.75
90	MP4C	Mx	0	2.75
91	OVP1	X	-119.382	.5
92	OVP1	Z	68.925	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-97.916	.5
95	OVP2	Z	56.532	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-17.262	4
98	MP4B	Z	9.967	4
99	MP4B	Mx	.009	4
100	MP4B	X	-17.262	4
101	MP4B	Z	9.967	4
102	MP4B	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-51.531	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.026	1.5
4	MP1A	X	-51.531	5.25
5	MP1A	Z	0	5.25
6	MP1A	Mx	.026	5.25
7	MP1B	X	-117.745	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.01	1.5
10	MP1B	X	-117.745	5.25
11	MP1B	Z	0	5.25
12	MP1B	Mx	-.01	5.25
13	MP1C	X	-102.735	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.026	1.5
16	MP1C	X	-102.735	5.25
17	MP1C	Z	0	5.25
18	MP1C	Mx	-.026	5.25
19	MP4A	X	-117.745	1.5
20	MP4A	Z	0	1.5
21	MP4A	Mx	.057	1.5
22	MP4A	X	-117.745	5.25
23	MP4A	Z	0	5.25
24	MP4A	Mx	.057	5.25
25	MP4B	X	-117.745	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP4B	Z	0	1.5
27	MP4B	Mx	.057	1.5
28	MP4B	X	-117.745	5.25
29	MP4B	Z	0	5.25
30	MP4B	Mx	.057	5.25
31	MP4C	X	-102.735	1.5
32	MP4C	Z	0	1.5
33	MP4C	Mx	-.078	1.5
34	MP4C	X	-102.735	5.25
35	MP4C	Z	0	5.25
36	MP4C	Mx	-.078	5.25
37	MP4A	X	-51.531	1.5
38	MP4A	Z	0	1.5
39	MP4A	Mx	.026	1.5
40	MP4A	X	-51.531	5.25
41	MP4A	Z	0	5.25
42	MP4A	Mx	.026	5.25
43	MP4B	X	-117.745	1.5
44	MP4B	Z	0	1.5
45	MP4B	Mx	-.078	1.5
46	MP4B	X	-117.745	5.25
47	MP4B	Z	0	5.25
48	MP4B	Mx	-.078	5.25
49	MP4C	X	-102.735	1.5
50	MP4C	Z	0	1.5
51	MP4C	Mx	.026	1.5
52	MP4C	X	-102.735	5.25
53	MP4C	Z	0	5.25
54	MP4C	Mx	.026	5.25
55	MP2A	X	-29.353	1.25
56	MP2A	Z	0	1.25
57	MP2A	Mx	.015	1.25
58	MP2A	X	-29.353	3.25
59	MP2A	Z	0	3.25
60	MP2A	Mx	.015	3.25
61	MP2B	X	-83.547	1.25
62	MP2B	Z	0	1.25
63	MP2B	Mx	-.007	1.25
64	MP2B	X	-83.547	3.25
65	MP2B	Z	0	3.25
66	MP2B	Mx	-.007	3.25
67	MP2C	X	-71.262	1.25
68	MP2C	Z	0	1.25
69	MP2C	Mx	-.018	1.25
70	MP2C	X	-71.262	3.25
71	MP2C	Z	0	3.25
72	MP2C	Mx	-.018	3.25
73	MP3A	X	-45.225	2.75
74	MP3A	Z	0	2.75
75	MP3A	Mx	-.015	2.75
76	MP3B	X	-61.859	2.75
77	MP3B	Z	0	2.75
78	MP3B	Mx	.01	2.75
79	MP3C	X	-61.859	2.75
80	MP3C	Z	0	2.75
81	MP3C	Mx	.01	2.75
82	MP4A	X	-40.877	2.75
83	MP4A	Z	0	2.75
84	MP4A	Mx	-.014	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP4B	X	-60.771	2.75
86	MP4B	Z	0	2.75
87	MP4B	Mx	.01	2.75
88	MP4C	X	-60.771	2.75
89	MP4C	Z	0	2.75
90	MP4C	Mx	.01	2.75
91	OVP1	X	-129.588	.5
92	OVP1	Z	0	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-129.588	.5
95	OVP2	Z	0	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-34.475	4
98	MP4B	Z	0	4
99	MP4B	Mx	.009	4
100	MP4B	X	-34.475	4
101	MP4B	Z	0	4
102	MP4B	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-59.408	1.5
2	MP1A	Z	-34.299	1.5
3	MP1A	Mx	.03	1.5
4	MP1A	X	-59.408	5.25
5	MP1A	Z	-34.299	5.25
6	MP1A	Mx	.03	5.25
7	MP1B	X	-96.836	1.5
8	MP1B	Z	-55.909	1.5
9	MP1B	Mx	.019	1.5
10	MP1B	X	-96.836	5.25
11	MP1B	Z	-55.909	5.25
12	MP1B	Mx	.019	5.25
13	MP1C	X	-59.408	1.5
14	MP1C	Z	-34.299	1.5
15	MP1C	Mx	-.03	1.5
16	MP1C	X	-59.408	5.25
17	MP1C	Z	-34.299	5.25
18	MP1C	Mx	-.03	5.25
19	MP4A	X	-96.836	1.5
20	MP4A	Z	-55.909	1.5
21	MP4A	Mx	.08	1.5
22	MP4A	X	-96.836	5.25
23	MP4A	Z	-55.909	5.25
24	MP4A	Mx	.08	5.25
25	MP4B	X	-96.836	1.5
26	MP4B	Z	-55.909	1.5
27	MP4B	Mx	.08	1.5
28	MP4B	X	-96.836	5.25
29	MP4B	Z	-55.909	5.25
30	MP4B	Mx	.08	5.25
31	MP4C	X	-59.408	1.5
32	MP4C	Z	-34.299	1.5
33	MP4C	Mx	-.05	1.5
34	MP4C	X	-59.408	5.25
35	MP4C	Z	-34.299	5.25
36	MP4C	Mx	-.05	5.25
37	MP4A	X	-59.408	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP4A	Z	-34.299	1.5
39	MP4A	Mx	.05	1.5
40	MP4A	X	-59.408	5.25
41	MP4A	Z	-34.299	5.25
42	MP4A	Mx	.05	5.25
43	MP4B	X	-96.836	1.5
44	MP4B	Z	-55.909	1.5
45	MP4B	Mx	-.042	1.5
46	MP4B	X	-96.836	5.25
47	MP4B	Z	-55.909	5.25
48	MP4B	Mx	-.042	5.25
49	MP4C	X	-59.408	1.5
50	MP4C	Z	-34.299	1.5
51	MP4C	Mx	-.01	1.5
52	MP4C	X	-59.408	5.25
53	MP4C	Z	-34.299	5.25
54	MP4C	Mx	-.01	5.25
55	MP2A	X	-37.519	1.25
56	MP2A	Z	-21.661	1.25
57	MP2A	Mx	.019	1.25
58	MP2A	X	-37.519	3.25
59	MP2A	Z	-21.661	3.25
60	MP2A	Mx	.019	3.25
61	MP2B	X	-68.152	1.25
62	MP2B	Z	-39.348	1.25
63	MP2B	Mx	.013	1.25
64	MP2B	X	-68.152	3.25
65	MP2B	Z	-39.348	3.25
66	MP2B	Mx	.013	3.25
67	MP2C	X	-37.519	1.25
68	MP2C	Z	-21.661	1.25
69	MP2C	Mx	-.019	1.25
70	MP2C	X	-37.519	3.25
71	MP2C	Z	-21.661	3.25
72	MP2C	Mx	-.019	3.25
73	MP3A	X	-43.968	2.75
74	MP3A	Z	-25.385	2.75
75	MP3A	Mx	-.015	2.75
76	MP3B	X	-58.373	2.75
77	MP3B	Z	-33.702	2.75
78	MP3B	Mx	0	2.75
79	MP3C	X	-43.968	2.75
80	MP3C	Z	-25.385	2.75
81	MP3C	Mx	.015	2.75
82	MP4A	X	-41.143	2.75
83	MP4A	Z	-23.754	2.75
84	MP4A	Mx	-.014	2.75
85	MP4B	X	-58.373	2.75
86	MP4B	Z	-33.702	2.75
87	MP4B	Mx	0	2.75
88	MP4C	X	-41.143	2.75
89	MP4C	Z	-23.754	2.75
90	MP4C	Mx	.014	2.75
91	OVP1	X	-97.916	.5
92	OVP1	Z	-56.532	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-119.382	.5
95	OVP2	Z	-68.925	.5
96	OVP2	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP4B	X	-36.153	4
98	MP4B	Z	-20.873	4
99	MP4B	Mx	0	4
100	MP4B	X	-36.153	4
101	MP4B	Z	-20.873	4
102	MP4B	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-51.368	1.5
2	MP1A	Z	-88.971	1.5
3	MP1A	Mx	.026	1.5
4	MP1A	X	-51.368	5.25
5	MP1A	Z	-88.971	5.25
6	MP1A	Mx	.026	5.25
7	MP1B	X	-39.87	1.5
8	MP1B	Z	-69.056	1.5
9	MP1B	Mx	.031	1.5
10	MP1B	X	-39.87	5.25
11	MP1B	Z	-69.056	5.25
12	MP1B	Mx	.031	5.25
13	MP1C	X	-25.765	1.5
14	MP1C	Z	-44.627	1.5
15	MP1C	Mx	-.026	1.5
16	MP1C	X	-25.765	5.25
17	MP1C	Z	-44.627	5.25
18	MP1C	Mx	-.026	5.25
19	MP4A	X	-39.87	1.5
20	MP4A	Z	-69.056	1.5
21	MP4A	Mx	.06	1.5
22	MP4A	X	-39.87	5.25
23	MP4A	Z	-69.056	5.25
24	MP4A	Mx	.06	5.25
25	MP4B	X	-39.87	1.5
26	MP4B	Z	-69.056	1.5
27	MP4B	Mx	.06	1.5
28	MP4B	X	-39.87	5.25
29	MP4B	Z	-69.056	5.25
30	MP4B	Mx	.06	5.25
31	MP4C	X	-25.765	1.5
32	MP4C	Z	-44.627	1.5
33	MP4C	Mx	-.026	1.5
34	MP4C	X	-25.765	5.25
35	MP4C	Z	-44.627	5.25
36	MP4C	Mx	-.026	5.25
37	MP4A	X	-51.368	1.5
38	MP4A	Z	-88.971	1.5
39	MP4A	Mx	.078	1.5
40	MP4A	X	-51.368	5.25
41	MP4A	Z	-88.971	5.25
42	MP4A	Mx	.078	5.25
43	MP4B	X	-39.87	1.5
44	MP4B	Z	-69.056	1.5
45	MP4B	Mx	.000643	1.5
46	MP4B	X	-39.87	5.25
47	MP4B	Z	-69.056	5.25
48	MP4B	Mx	.000643	5.25
49	MP4C	X	-25.765	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP4C	Z	-44.627	1.5
51	MP4C	Mx	-.026	1.5
52	MP4C	X	-25.765	5.25
53	MP4C	Z	-44.627	5.25
54	MP4C	Mx	-.026	5.25
55	MP2A	X	-35.631	1.25
56	MP2A	Z	-61.715	1.25
57	MP2A	Mx	.018	1.25
58	MP2A	X	-35.631	3.25
59	MP2A	Z	-61.715	3.25
60	MP2A	Mx	.018	3.25
61	MP2B	X	-26.22	1.25
62	MP2B	Z	-45.415	1.25
63	MP2B	Mx	.02	1.25
64	MP2B	X	-26.22	3.25
65	MP2B	Z	-45.415	3.25
66	MP2B	Mx	.02	3.25
67	MP2C	X	-14.676	1.25
68	MP2C	Z	-25.42	1.25
69	MP2C	Mx	-.015	1.25
70	MP2C	X	-14.676	3.25
71	MP2C	Z	-25.42	3.25
72	MP2C	Mx	-.015	3.25
73	MP3A	X	-30.929	2.75
74	MP3A	Z	-53.571	2.75
75	MP3A	Mx	-.01	2.75
76	MP3B	X	-30.929	2.75
77	MP3B	Z	-53.571	2.75
78	MP3B	Mx	-.01	2.75
79	MP3C	X	-22.613	2.75
80	MP3C	Z	-39.166	2.75
81	MP3C	Mx	.015	2.75
82	MP4A	X	-30.386	2.75
83	MP4A	Z	-52.63	2.75
84	MP4A	Mx	-.01	2.75
85	MP4B	X	-30.386	2.75
86	MP4B	Z	-52.63	2.75
87	MP4B	Mx	-.01	2.75
88	MP4C	X	-20.438	2.75
89	MP4C	Z	-35.4	2.75
90	MP4C	Mx	.014	2.75
91	OVP1	X	-52.4	.5
92	OVP1	Z	-90.76	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-64.794	.5
95	OVP2	Z	-112.226	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-17.238	4
98	MP4B	Z	-29.856	4
99	MP4B	Mx	-.009	4
100	MP4B	X	-17.238	4
101	MP4B	Z	-29.856	4
102	MP4B	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-34.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP1A	Mx	0	1.5
4	MP1A	X	0	5.25
5	MP1A	Z	-34.001	5.25
6	MP1A	Mx	0	5.25
7	MP1B	X	0	1.5
8	MP1B	Z	-23.777	1.5
9	MP1B	Mx	.012	1.5
10	MP1B	X	0	5.25
11	MP1B	Z	-23.777	5.25
12	MP1B	Mx	.012	5.25
13	MP1C	X	0	1.5
14	MP1C	Z	-26.094	1.5
15	MP1C	Mx	-.011	1.5
16	MP1C	X	0	5.25
17	MP1C	Z	-26.094	5.25
18	MP1C	Mx	-.011	5.25
19	MP4A	X	0	1.5
20	MP4A	Z	-23.777	1.5
21	MP4A	Mx	.014	1.5
22	MP4A	X	0	5.25
23	MP4A	Z	-23.777	5.25
24	MP4A	Mx	.014	5.25
25	MP4B	X	0	1.5
26	MP4B	Z	-23.777	1.5
27	MP4B	Mx	.014	1.5
28	MP4B	X	0	5.25
29	MP4B	Z	-23.777	5.25
30	MP4B	Mx	.014	5.25
31	MP4C	X	0	1.5
32	MP4C	Z	-26.094	1.5
33	MP4C	Mx	-.004	1.5
34	MP4C	X	0	5.25
35	MP4C	Z	-26.094	5.25
36	MP4C	Mx	-.004	5.25
37	MP4A	X	0	1.5
38	MP4A	Z	-34.001	1.5
39	MP4A	Mx	.02	1.5
40	MP4A	X	0	5.25
41	MP4A	Z	-34.001	5.25
42	MP4A	Mx	.02	5.25
43	MP4B	X	0	1.5
44	MP4B	Z	-23.777	1.5
45	MP4B	Mx	.009	1.5
46	MP4B	X	0	5.25
47	MP4B	Z	-23.777	5.25
48	MP4B	Mx	.009	5.25
49	MP4C	X	0	1.5
50	MP4C	Z	-26.094	1.5
51	MP4C	Mx	-.019	1.5
52	MP4C	X	0	5.25
53	MP4C	Z	-26.094	5.25
54	MP4C	Mx	-.019	5.25
55	MP2A	X	0	1.25
56	MP2A	Z	-20.067	1.25
57	MP2A	Mx	0	1.25
58	MP2A	X	0	3.25
59	MP2A	Z	-20.067	3.25
60	MP2A	Mx	0	3.25
61	MP2B	X	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP2B	Z	-8.902	1.25
63	MP2B	Mx	.004	1.25
64	MP2B	X	0	3.25
65	MP2B	Z	-8.902	3.25
66	MP2B	Mx	.004	3.25
67	MP2C	X	0	1.25
68	MP2C	Z	-11.433	1.25
69	MP2C	Mx	-.005	1.25
70	MP2C	X	0	3.25
71	MP2C	Z	-11.433	3.25
72	MP2C	Mx	-.005	3.25
73	MP3A	X	0	2.75
74	MP3A	Z	-16.922	2.75
75	MP3A	Mx	0	2.75
76	MP3B	X	0	2.75
77	MP3B	Z	-13.062	2.75
78	MP3B	Mx	-.004	2.75
79	MP3C	X	0	2.75
80	MP3C	Z	-13.062	2.75
81	MP3C	Mx	.004	2.75
82	MP4A	X	0	2.75
83	MP4A	Z	-16.922	2.75
84	MP4A	Mx	0	2.75
85	MP4B	X	0	2.75
86	MP4B	Z	-12.368	2.75
87	MP4B	Mx	-.004	2.75
88	MP4C	X	0	2.75
89	MP4C	Z	-12.368	2.75
90	MP4C	Mx	.004	2.75
91	OVP1	X	0	.5
92	OVP1	Z	-29.08	.5
93	OVP1	Mx	0	.5
94	OVP2	X	0	.5
95	OVP2	Z	-29.08	.5
96	OVP2	Mx	0	.5
97	MP4B	X	0	4
98	MP4B	Z	-4.963	4
99	MP4B	Mx	-.002	4
100	MP4B	X	0	4
101	MP4B	Z	-4.963	4
102	MP4B	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	15.683	1.5
2	MP1A	Z	-27.163	1.5
3	MP1A	Mx	-.008	1.5
4	MP1A	X	15.683	5.25
5	MP1A	Z	-27.163	5.25
6	MP1A	Mx	-.008	5.25
7	MP1B	X	12.346	1.5
8	MP1B	Z	-21.384	1.5
9	MP1B	Mx	.012	1.5
10	MP1B	X	12.346	5.25
11	MP1B	Z	-21.384	5.25
12	MP1B	Mx	.012	5.25
13	MP1C	X	15.683	1.5
14	MP1C	Z	-27.163	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	-.008	1.5
16	MP1C	X	15.683	5.25
17	MP1C	Z	-27.163	5.25
18	MP1C	Mx	-.008	5.25
19	MP4A	X	12.346	1.5
20	MP4A	Z	-21.384	1.5
21	MP4A	Mx	.007	1.5
22	MP4A	X	12.346	5.25
23	MP4A	Z	-21.384	5.25
24	MP4A	Mx	.007	5.25
25	MP4B	X	12.346	1.5
26	MP4B	Z	-21.384	1.5
27	MP4B	Mx	.007	1.5
28	MP4B	X	12.346	5.25
29	MP4B	Z	-21.384	5.25
30	MP4B	Mx	.007	5.25
31	MP4C	X	15.683	1.5
32	MP4C	Z	-27.163	1.5
33	MP4C	Mx	.008	1.5
34	MP4C	X	15.683	5.25
35	MP4C	Z	-27.163	5.25
36	MP4C	Mx	.008	5.25
37	MP4A	X	15.683	1.5
38	MP4A	Z	-27.163	1.5
39	MP4A	Mx	.008	1.5
40	MP4A	X	15.683	5.25
41	MP4A	Z	-27.163	5.25
42	MP4A	Mx	.008	5.25
43	MP4B	X	12.346	1.5
44	MP4B	Z	-21.384	1.5
45	MP4B	Mx	.017	1.5
46	MP4B	X	12.346	5.25
47	MP4B	Z	-21.384	5.25
48	MP4B	Mx	.017	5.25
49	MP4C	X	15.683	1.5
50	MP4C	Z	-27.163	1.5
51	MP4C	Mx	-.024	1.5
52	MP4C	X	15.683	5.25
53	MP4C	Z	-27.163	5.25
54	MP4C	Mx	-.024	5.25
55	MP2A	X	8.594	1.25
56	MP2A	Z	-14.886	1.25
57	MP2A	Mx	-.004	1.25
58	MP2A	X	8.594	3.25
59	MP2A	Z	-14.886	3.25
60	MP2A	Mx	-.004	3.25
61	MP2B	X	4.951	1.25
62	MP2B	Z	-8.575	1.25
63	MP2B	Mx	.005	1.25
64	MP2B	X	4.951	3.25
65	MP2B	Z	-8.575	3.25
66	MP2B	Mx	.005	3.25
67	MP2C	X	8.594	1.25
68	MP2C	Z	-14.886	1.25
69	MP2C	Mx	-.004	1.25
70	MP2C	X	8.594	3.25
71	MP2C	Z	-14.886	3.25
72	MP2C	Mx	-.004	3.25
73	MP3A	X	7.818	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3A	Z	-13.541	2.75
75	MP3A	Mx	.003	2.75
76	MP3B	X	5.888	2.75
77	MP3B	Z	-10.198	2.75
78	MP3B	Mx	-.004	2.75
79	MP3C	X	7.818	2.75
80	MP3C	Z	-13.541	2.75
81	MP3C	Mx	.003	2.75
82	MP4A	X	7.702	2.75
83	MP4A	Z	-13.34	2.75
84	MP4A	Mx	.003	2.75
85	MP4B	X	5.425	2.75
86	MP4B	Z	-9.396	2.75
87	MP4B	Mx	-.004	2.75
88	MP4C	X	7.702	2.75
89	MP4C	Z	-13.34	2.75
90	MP4C	Mx	.003	2.75
91	OVP1	X	16.433	.5
92	OVP1	Z	-28.463	.5
93	OVP1	Mx	0	.5
94	OVP2	X	13.593	.5
95	OVP2	Z	-23.544	.5
96	OVP2	Mx	0	.5
97	MP4B	X	1.757	4
98	MP4B	Z	-3.044	4
99	MP4B	Mx	-.002	4
100	MP4B	X	1.757	4
101	MP4B	Z	-3.044	4
102	MP4B	Mx	.000879	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	22.598	1.5
2	MP1A	Z	-13.047	1.5
3	MP1A	Mx	-.011	1.5
4	MP1A	X	22.598	5.25
5	MP1A	Z	-13.047	5.25
6	MP1A	Mx	-.011	5.25
7	MP1B	X	25.674	1.5
8	MP1B	Z	-14.823	1.5
9	MP1B	Mx	.01	1.5
10	MP1B	X	25.674	5.25
11	MP1B	Z	-14.823	5.25
12	MP1B	Mx	.01	5.25
13	MP1C	X	29.446	1.5
14	MP1C	Z	-17.001	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	29.446	5.25
17	MP1C	Z	-17.001	5.25
18	MP1C	Mx	0	5.25
19	MP4A	X	25.674	1.5
20	MP4A	Z	-14.823	1.5
21	MP4A	Mx	-.004	1.5
22	MP4A	X	25.674	5.25
23	MP4A	Z	-14.823	5.25
24	MP4A	Mx	-.004	5.25
25	MP4B	X	25.674	1.5
26	MP4B	Z	-14.823	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP4B	Mx	-.004	1.5
28	MP4B	X	25.674	5.25
29	MP4B	Z	-14.823	5.25
30	MP4B	Mx	-.004	5.25
31	MP4C	X	29.446	1.5
32	MP4C	Z	-17.001	1.5
33	MP4C	Mx	.02	1.5
34	MP4C	X	29.446	5.25
35	MP4C	Z	-17.001	5.25
36	MP4C	Mx	.02	5.25
37	MP4A	X	22.598	1.5
38	MP4A	Z	-13.047	1.5
39	MP4A	Mx	-.004	1.5
40	MP4A	X	22.598	5.25
41	MP4A	Z	-13.047	5.25
42	MP4A	Mx	-.004	5.25
43	MP4B	X	25.674	1.5
44	MP4B	Z	-14.823	1.5
45	MP4B	Mx	.023	1.5
46	MP4B	X	25.674	5.25
47	MP4B	Z	-14.823	5.25
48	MP4B	Mx	.023	5.25
49	MP4C	X	29.446	1.5
50	MP4C	Z	-17.001	1.5
51	MP4C	Mx	-.02	1.5
52	MP4C	X	29.446	5.25
53	MP4C	Z	-17.001	5.25
54	MP4C	Mx	-.02	5.25
55	MP2A	X	9.901	1.25
56	MP2A	Z	-5.717	1.25
57	MP2A	Mx	-.005	1.25
58	MP2A	X	9.901	3.25
59	MP2A	Z	-5.717	3.25
60	MP2A	Mx	-.005	3.25
61	MP2B	X	13.259	1.25
62	MP2B	Z	-7.655	1.25
63	MP2B	Mx	.005	1.25
64	MP2B	X	13.259	3.25
65	MP2B	Z	-7.655	3.25
66	MP2B	Mx	.005	3.25
67	MP2C	X	17.378	1.25
68	MP2C	Z	-10.033	1.25
69	MP2C	Mx	0	1.25
70	MP2C	X	17.378	3.25
71	MP2C	Z	-10.033	3.25
72	MP2C	Mx	0	3.25
73	MP3A	X	11.312	2.75
74	MP3A	Z	-6.531	2.75
75	MP3A	Mx	.004	2.75
76	MP3B	X	11.312	2.75
77	MP3B	Z	-6.531	2.75
78	MP3B	Mx	-.004	2.75
79	MP3C	X	14.655	2.75
80	MP3C	Z	-8.461	2.75
81	MP3C	Mx	0	2.75
82	MP4A	X	10.711	2.75
83	MP4A	Z	-6.184	2.75
84	MP4A	Mx	.004	2.75
85	MP4B	X	10.711	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	-6.184	2.75
87	MP4B	Mx	-.004	2.75
88	MP4C	X	14.655	2.75
89	MP4C	Z	-8.461	2.75
90	MP4C	Mx	0	2.75
91	OVP1	X	30.102	.5
92	OVP1	Z	-17.379	.5
93	OVP1	Mx	0	.5
94	OVP2	X	25.184	.5
95	OVP2	Z	-14.54	.5
96	OVP2	Mx	0	.5
97	MP4B	X	4.298	4
98	MP4B	Z	-2.481	4
99	MP4B	Mx	-.002	4
100	MP4B	X	4.298	4
101	MP4B	Z	-2.481	4
102	MP4B	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	23.459	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.012	1.5
4	MP1A	X	23.459	5.25
5	MP1A	Z	0	5.25
6	MP1A	Mx	-.012	5.25
7	MP1B	X	33.683	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.003	1.5
10	MP1B	X	33.683	5.25
11	MP1B	Z	0	5.25
12	MP1B	Mx	.003	5.25
13	MP1C	X	31.366	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.008	1.5
16	MP1C	X	31.366	5.25
17	MP1C	Z	0	5.25
18	MP1C	Mx	.008	5.25
19	MP4A	X	33.683	1.5
20	MP4A	Z	0	1.5
21	MP4A	Mx	-.016	1.5
22	MP4A	X	33.683	5.25
23	MP4A	Z	0	5.25
24	MP4A	Mx	-.016	5.25
25	MP4B	X	33.683	1.5
26	MP4B	Z	0	1.5
27	MP4B	Mx	-.016	1.5
28	MP4B	X	33.683	5.25
29	MP4B	Z	0	5.25
30	MP4B	Mx	-.016	5.25
31	MP4C	X	31.366	1.5
32	MP4C	Z	0	1.5
33	MP4C	Mx	.024	1.5
34	MP4C	X	31.366	5.25
35	MP4C	Z	0	5.25
36	MP4C	Mx	.024	5.25
37	MP4A	X	23.459	1.5
38	MP4A	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4A	Mx	-.012	1.5
40	MP4A	X	23.459	5.25
41	MP4A	Z	0	5.25
42	MP4A	Mx	-.012	5.25
43	MP4B	X	33.683	1.5
44	MP4B	Z	0	1.5
45	MP4B	Mx	.022	1.5
46	MP4B	X	33.683	5.25
47	MP4B	Z	0	5.25
48	MP4B	Mx	.022	5.25
49	MP4C	X	31.366	1.5
50	MP4C	Z	0	1.5
51	MP4C	Mx	-.008	1.5
52	MP4C	X	31.366	5.25
53	MP4C	Z	0	5.25
54	MP4C	Mx	-.008	5.25
55	MP2A	X	8.555	1.25
56	MP2A	Z	0	1.25
57	MP2A	Mx	-.004	1.25
58	MP2A	X	8.555	3.25
59	MP2A	Z	0	3.25
60	MP2A	Mx	-.004	3.25
61	MP2B	X	19.72	1.25
62	MP2B	Z	0	1.25
63	MP2B	Mx	.002	1.25
64	MP2B	X	19.72	3.25
65	MP2B	Z	0	3.25
66	MP2B	Mx	.002	3.25
67	MP2C	X	17.189	1.25
68	MP2C	Z	0	1.25
69	MP2C	Mx	.004	1.25
70	MP2C	X	17.189	3.25
71	MP2C	Z	0	3.25
72	MP2C	Mx	.004	3.25
73	MP3A	X	11.776	2.75
74	MP3A	Z	0	2.75
75	MP3A	Mx	.004	2.75
76	MP3B	X	15.635	2.75
77	MP3B	Z	0	2.75
78	MP3B	Mx	-.003	2.75
79	MP3C	X	15.635	2.75
80	MP3C	Z	0	2.75
81	MP3C	Mx	-.003	2.75
82	MP4A	X	10.849	2.75
83	MP4A	Z	0	2.75
84	MP4A	Mx	.004	2.75
85	MP4B	X	15.404	2.75
86	MP4B	Z	0	2.75
87	MP4B	Mx	-.003	2.75
88	MP4C	X	15.404	2.75
89	MP4C	Z	0	2.75
90	MP4C	Mx	-.003	2.75
91	OVP1	X	32.866	.5
92	OVP1	Z	0	.5
93	OVP1	Mx	0	.5
94	OVP2	X	32.866	.5
95	OVP2	Z	0	.5
96	OVP2	Mx	0	.5
97	MP4B	X	7.86	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP4B	Z	0	4
99	MP4B	Mx	-.002	4
100	MP4B	X	7.86	4
101	MP4B	Z	0	4
102	MP4B	Mx	.000983	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	22.598	1.5
2	MP1A	Z	13.047	1.5
3	MP1A	Mx	-.011	1.5
4	MP1A	X	22.598	5.25
5	MP1A	Z	13.047	5.25
6	MP1A	Mx	-.011	5.25
7	MP1B	X	28.378	1.5
8	MP1B	Z	16.384	1.5
9	MP1B	Mx	-.006	1.5
10	MP1B	X	28.378	5.25
11	MP1B	Z	16.384	5.25
12	MP1B	Mx	-.006	5.25
13	MP1C	X	22.598	1.5
14	MP1C	Z	13.047	1.5
15	MP1C	Mx	.011	1.5
16	MP1C	X	22.598	5.25
17	MP1C	Z	13.047	5.25
18	MP1C	Mx	.011	5.25
19	MP4A	X	28.378	1.5
20	MP4A	Z	16.384	1.5
21	MP4A	Mx	-.024	1.5
22	MP4A	X	28.378	5.25
23	MP4A	Z	16.384	5.25
24	MP4A	Mx	-.024	5.25
25	MP4B	X	28.378	1.5
26	MP4B	Z	16.384	1.5
27	MP4B	Mx	-.024	1.5
28	MP4B	X	28.378	5.25
29	MP4B	Z	16.384	5.25
30	MP4B	Mx	-.024	5.25
31	MP4C	X	22.598	1.5
32	MP4C	Z	13.047	1.5
33	MP4C	Mx	.019	1.5
34	MP4C	X	22.598	5.25
35	MP4C	Z	13.047	5.25
36	MP4C	Mx	.019	5.25
37	MP4A	X	22.598	1.5
38	MP4A	Z	13.047	1.5
39	MP4A	Mx	-.019	1.5
40	MP4A	X	22.598	5.25
41	MP4A	Z	13.047	5.25
42	MP4A	Mx	-.019	5.25
43	MP4B	X	28.378	1.5
44	MP4B	Z	16.384	1.5
45	MP4B	Mx	.012	1.5
46	MP4B	X	28.378	5.25
47	MP4B	Z	16.384	5.25
48	MP4B	Mx	.012	5.25
49	MP4C	X	22.598	1.5
50	MP4C	Z	13.047	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4C	Mx	.004	1.5
52	MP4C	X	22.598	5.25
53	MP4C	Z	13.047	5.25
54	MP4C	Mx	.004	5.25
55	MP2A	X	9.901	1.25
56	MP2A	Z	5.717	1.25
57	MP2A	Mx	-.005	1.25
58	MP2A	X	9.901	3.25
59	MP2A	Z	5.717	3.25
60	MP2A	Mx	-.005	3.25
61	MP2B	X	16.212	1.25
62	MP2B	Z	9.36	1.25
63	MP2B	Mx	-.003	1.25
64	MP2B	X	16.212	3.25
65	MP2B	Z	9.36	3.25
66	MP2B	Mx	-.003	3.25
67	MP2C	X	9.901	1.25
68	MP2C	Z	5.717	1.25
69	MP2C	Mx	.005	1.25
70	MP2C	X	9.901	3.25
71	MP2C	Z	5.717	3.25
72	MP2C	Mx	.005	3.25
73	MP3A	X	11.312	2.75
74	MP3A	Z	6.531	2.75
75	MP3A	Mx	.004	2.75
76	MP3B	X	14.655	2.75
77	MP3B	Z	8.461	2.75
78	MP3B	Mx	0	2.75
79	MP3C	X	11.312	2.75
80	MP3C	Z	6.531	2.75
81	MP3C	Mx	-.004	2.75
82	MP4A	X	10.711	2.75
83	MP4A	Z	6.184	2.75
84	MP4A	Mx	.004	2.75
85	MP4B	X	14.655	2.75
86	MP4B	Z	8.461	2.75
87	MP4B	Mx	0	2.75
88	MP4C	X	10.711	2.75
89	MP4C	Z	6.184	2.75
90	MP4C	Mx	-.004	2.75
91	OVP1	X	25.184	.5
92	OVP1	Z	14.54	.5
93	OVP1	Mx	0	.5
94	OVP2	X	30.102	.5
95	OVP2	Z	17.379	.5
96	OVP2	Mx	0	.5
97	MP4B	X	8.061	4
98	MP4B	Z	4.654	4
99	MP4B	Mx	0	4
100	MP4B	X	8.061	4
101	MP4B	Z	4.654	4
102	MP4B	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	15.683	1.5
2	MP1A	Z	27.163	1.5
3	MP1A	Mx	-.008	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	15.683	5.25
5	MP1A	Z	27.163	5.25
6	MP1A	Mx	-.008	5.25
7	MP1B	X	13.907	1.5
8	MP1B	Z	24.088	1.5
9	MP1B	Mx	-.011	1.5
10	MP1B	X	13.907	5.25
11	MP1B	Z	24.088	5.25
12	MP1B	Mx	-.011	5.25
13	MP1C	X	11.729	1.5
14	MP1C	Z	20.316	1.5
15	MP1C	Mx	.012	1.5
16	MP1C	X	11.729	5.25
17	MP1C	Z	20.316	5.25
18	MP1C	Mx	.012	5.25
19	MP4A	X	13.907	1.5
20	MP4A	Z	24.088	1.5
21	MP4A	Mx	-.021	1.5
22	MP4A	X	13.907	5.25
23	MP4A	Z	24.088	5.25
24	MP4A	Mx	-.021	5.25
25	MP4B	X	13.907	1.5
26	MP4B	Z	24.088	1.5
27	MP4B	Mx	-.021	1.5
28	MP4B	X	13.907	5.25
29	MP4B	Z	24.088	5.25
30	MP4B	Mx	-.021	5.25
31	MP4C	X	11.729	1.5
32	MP4C	Z	20.316	1.5
33	MP4C	Mx	.012	1.5
34	MP4C	X	11.729	5.25
35	MP4C	Z	20.316	5.25
36	MP4C	Mx	.012	5.25
37	MP4A	X	15.683	1.5
38	MP4A	Z	27.163	1.5
39	MP4A	Mx	-.024	1.5
40	MP4A	X	15.683	5.25
41	MP4A	Z	27.163	5.25
42	MP4A	Mx	-.024	5.25
43	MP4B	X	13.907	1.5
44	MP4B	Z	24.088	1.5
45	MP4B	Mx	-.000224	1.5
46	MP4B	X	13.907	5.25
47	MP4B	Z	24.088	5.25
48	MP4B	Mx	-.000224	5.25
49	MP4C	X	11.729	1.5
50	MP4C	Z	20.316	1.5
51	MP4C	Mx	.012	1.5
52	MP4C	X	11.729	5.25
53	MP4C	Z	20.316	5.25
54	MP4C	Mx	.012	5.25
55	MP2A	X	8.594	1.25
56	MP2A	Z	14.886	1.25
57	MP2A	Mx	-.004	1.25
58	MP2A	X	8.594	3.25
59	MP2A	Z	14.886	3.25
60	MP2A	Mx	-.004	3.25
61	MP2B	X	6.656	1.25
62	MP2B	Z	11.528	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2B	Mx	-.005	1.25
64	MP2B	X	6.656	3.25
65	MP2B	Z	11.528	3.25
66	MP2B	Mx	-.005	3.25
67	MP2C	X	4.278	1.25
68	MP2C	Z	7.409	1.25
69	MP2C	Mx	.004	1.25
70	MP2C	X	4.278	3.25
71	MP2C	Z	7.409	3.25
72	MP2C	Mx	.004	3.25
73	MP3A	X	7.818	2.75
74	MP3A	Z	13.541	2.75
75	MP3A	Mx	.003	2.75
76	MP3B	X	7.818	2.75
77	MP3B	Z	13.541	2.75
78	MP3B	Mx	.003	2.75
79	MP3C	X	5.888	2.75
80	MP3C	Z	10.198	2.75
81	MP3C	Mx	-.004	2.75
82	MP4A	X	7.702	2.75
83	MP4A	Z	13.34	2.75
84	MP4A	Mx	.003	2.75
85	MP4B	X	7.702	2.75
86	MP4B	Z	13.34	2.75
87	MP4B	Mx	.003	2.75
88	MP4C	X	5.425	2.75
89	MP4C	Z	9.396	2.75
90	MP4C	Mx	-.004	2.75
91	OVP1	X	13.593	.5
92	OVP1	Z	23.544	.5
93	OVP1	Mx	0	.5
94	OVP2	X	16.433	.5
95	OVP2	Z	28.463	.5
96	OVP2	Mx	0	.5
97	MP4B	X	3.93	4
98	MP4B	Z	6.807	4
99	MP4B	Mx	.002	4
100	MP4B	X	3.93	4
101	MP4B	Z	6.807	4
102	MP4B	Mx	-.000983	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	34.001	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	5.25
5	MP1A	Z	34.001	5.25
6	MP1A	Mx	0	5.25
7	MP1B	X	0	1.5
8	MP1B	Z	23.777	1.5
9	MP1B	Mx	-.012	1.5
10	MP1B	X	0	5.25
11	MP1B	Z	23.777	5.25
12	MP1B	Mx	-.012	5.25
13	MP1C	X	0	1.5
14	MP1C	Z	26.094	1.5
15	MP1C	Mx	.011	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP1C	X	0	5.25
17	MP1C	Z	26.094	5.25
18	MP1C	Mx	.011	5.25
19	MP4A	X	0	1.5
20	MP4A	Z	23.777	1.5
21	MP4A	Mx	-.014	1.5
22	MP4A	X	0	5.25
23	MP4A	Z	23.777	5.25
24	MP4A	Mx	-.014	5.25
25	MP4B	X	0	1.5
26	MP4B	Z	23.777	1.5
27	MP4B	Mx	-.014	1.5
28	MP4B	X	0	5.25
29	MP4B	Z	23.777	5.25
30	MP4B	Mx	-.014	5.25
31	MP4C	X	0	1.5
32	MP4C	Z	26.094	1.5
33	MP4C	Mx	.004	1.5
34	MP4C	X	0	5.25
35	MP4C	Z	26.094	5.25
36	MP4C	Mx	.004	5.25
37	MP4A	X	0	1.5
38	MP4A	Z	34.001	1.5
39	MP4A	Mx	-.02	1.5
40	MP4A	X	0	5.25
41	MP4A	Z	34.001	5.25
42	MP4A	Mx	-.02	5.25
43	MP4B	X	0	1.5
44	MP4B	Z	23.777	1.5
45	MP4B	Mx	-.009	1.5
46	MP4B	X	0	5.25
47	MP4B	Z	23.777	5.25
48	MP4B	Mx	-.009	5.25
49	MP4C	X	0	1.5
50	MP4C	Z	26.094	1.5
51	MP4C	Mx	.019	1.5
52	MP4C	X	0	5.25
53	MP4C	Z	26.094	5.25
54	MP4C	Mx	.019	5.25
55	MP2A	X	0	1.25
56	MP2A	Z	20.067	1.25
57	MP2A	Mx	0	1.25
58	MP2A	X	0	3.25
59	MP2A	Z	20.067	3.25
60	MP2A	Mx	0	3.25
61	MP2B	X	0	1.25
62	MP2B	Z	8.902	1.25
63	MP2B	Mx	-.004	1.25
64	MP2B	X	0	3.25
65	MP2B	Z	8.902	3.25
66	MP2B	Mx	-.004	3.25
67	MP2C	X	0	1.25
68	MP2C	Z	11.433	1.25
69	MP2C	Mx	.005	1.25
70	MP2C	X	0	3.25
71	MP2C	Z	11.433	3.25
72	MP2C	Mx	.005	3.25
73	MP3A	X	0	2.75
74	MP3A	Z	16.922	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	0	2.75
76	MP3B	X	0	2.75
77	MP3B	Z	13.062	2.75
78	MP3B	Mx	.004	2.75
79	MP3C	X	0	2.75
80	MP3C	Z	13.062	2.75
81	MP3C	Mx	-.004	2.75
82	MP4A	X	0	2.75
83	MP4A	Z	16.922	2.75
84	MP4A	Mx	0	2.75
85	MP4B	X	0	2.75
86	MP4B	Z	12.368	2.75
87	MP4B	Mx	.004	2.75
88	MP4C	X	0	2.75
89	MP4C	Z	12.368	2.75
90	MP4C	Mx	-.004	2.75
91	OVP1	X	0	.5
92	OVP1	Z	29.08	.5
93	OVP1	Mx	0	.5
94	OVP2	X	0	.5
95	OVP2	Z	29.08	.5
96	OVP2	Mx	0	.5
97	MP4B	X	0	4
98	MP4B	Z	4.963	4
99	MP4B	Mx	.002	4
100	MP4B	X	0	4
101	MP4B	Z	4.963	4
102	MP4B	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-15.683	1.5
2	MP1A	Z	27.163	1.5
3	MP1A	Mx	.008	1.5
4	MP1A	X	-15.683	5.25
5	MP1A	Z	27.163	5.25
6	MP1A	Mx	.008	5.25
7	MP1B	X	-12.346	1.5
8	MP1B	Z	21.384	1.5
9	MP1B	Mx	-.012	1.5
10	MP1B	X	-12.346	5.25
11	MP1B	Z	21.384	5.25
12	MP1B	Mx	-.012	5.25
13	MP1C	X	-15.683	1.5
14	MP1C	Z	27.163	1.5
15	MP1C	Mx	.008	1.5
16	MP1C	X	-15.683	5.25
17	MP1C	Z	27.163	5.25
18	MP1C	Mx	.008	5.25
19	MP4A	X	-12.346	1.5
20	MP4A	Z	21.384	1.5
21	MP4A	Mx	-.007	1.5
22	MP4A	X	-12.346	5.25
23	MP4A	Z	21.384	5.25
24	MP4A	Mx	-.007	5.25
25	MP4B	X	-12.346	1.5
26	MP4B	Z	21.384	1.5
27	MP4B	Mx	-.007	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4B	X	-12.346	5.25
29	MP4B	Z	21.384	5.25
30	MP4B	Mx	-.007	5.25
31	MP4C	X	-15.683	1.5
32	MP4C	Z	27.163	1.5
33	MP4C	Mx	-.008	1.5
34	MP4C	X	-15.683	5.25
35	MP4C	Z	27.163	5.25
36	MP4C	Mx	-.008	5.25
37	MP4A	X	-15.683	1.5
38	MP4A	Z	27.163	1.5
39	MP4A	Mx	-.008	1.5
40	MP4A	X	-15.683	5.25
41	MP4A	Z	27.163	5.25
42	MP4A	Mx	-.008	5.25
43	MP4B	X	-12.346	1.5
44	MP4B	Z	21.384	1.5
45	MP4B	Mx	-.017	1.5
46	MP4B	X	-12.346	5.25
47	MP4B	Z	21.384	5.25
48	MP4B	Mx	-.017	5.25
49	MP4C	X	-15.683	1.5
50	MP4C	Z	27.163	1.5
51	MP4C	Mx	.024	1.5
52	MP4C	X	-15.683	5.25
53	MP4C	Z	27.163	5.25
54	MP4C	Mx	.024	5.25
55	MP2A	X	-8.594	1.25
56	MP2A	Z	14.886	1.25
57	MP2A	Mx	.004	1.25
58	MP2A	X	-8.594	3.25
59	MP2A	Z	14.886	3.25
60	MP2A	Mx	.004	3.25
61	MP2B	X	-4.951	1.25
62	MP2B	Z	8.575	1.25
63	MP2B	Mx	-.005	1.25
64	MP2B	X	-4.951	3.25
65	MP2B	Z	8.575	3.25
66	MP2B	Mx	-.005	3.25
67	MP2C	X	-8.594	1.25
68	MP2C	Z	14.886	1.25
69	MP2C	Mx	.004	1.25
70	MP2C	X	-8.594	3.25
71	MP2C	Z	14.886	3.25
72	MP2C	Mx	.004	3.25
73	MP3A	X	-7.818	2.75
74	MP3A	Z	13.541	2.75
75	MP3A	Mx	-.003	2.75
76	MP3B	X	-5.888	2.75
77	MP3B	Z	10.198	2.75
78	MP3B	Mx	.004	2.75
79	MP3C	X	-7.818	2.75
80	MP3C	Z	13.541	2.75
81	MP3C	Mx	-.003	2.75
82	MP4A	X	-7.702	2.75
83	MP4A	Z	13.34	2.75
84	MP4A	Mx	-.003	2.75
85	MP4B	X	-5.425	2.75
86	MP4B	Z	9.396	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP4B	Mx	.004	2.75
88	MP4C	X	-7.702	2.75
89	MP4C	Z	13.34	2.75
90	MP4C	Mx	-.003	2.75
91	OVP1	X	-16.433	.5
92	OVP1	Z	28.463	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-13.593	.5
95	OVP2	Z	23.544	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-1.757	4
98	MP4B	Z	3.044	4
99	MP4B	Mx	.002	4
100	MP4B	X	-1.757	4
101	MP4B	Z	3.044	4
102	MP4B	Mx	-.000879	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-22.598	1.5
2	MP1A	Z	13.047	1.5
3	MP1A	Mx	.011	1.5
4	MP1A	X	-22.598	5.25
5	MP1A	Z	13.047	5.25
6	MP1A	Mx	.011	5.25
7	MP1B	X	-25.674	1.5
8	MP1B	Z	14.823	1.5
9	MP1B	Mx	-.01	1.5
10	MP1B	X	-25.674	5.25
11	MP1B	Z	14.823	5.25
12	MP1B	Mx	-.01	5.25
13	MP1C	X	-29.446	1.5
14	MP1C	Z	17.001	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	-29.446	5.25
17	MP1C	Z	17.001	5.25
18	MP1C	Mx	0	5.25
19	MP4A	X	-25.674	1.5
20	MP4A	Z	14.823	1.5
21	MP4A	Mx	.004	1.5
22	MP4A	X	-25.674	5.25
23	MP4A	Z	14.823	5.25
24	MP4A	Mx	.004	5.25
25	MP4B	X	-25.674	1.5
26	MP4B	Z	14.823	1.5
27	MP4B	Mx	.004	1.5
28	MP4B	X	-25.674	5.25
29	MP4B	Z	14.823	5.25
30	MP4B	Mx	.004	5.25
31	MP4C	X	-29.446	1.5
32	MP4C	Z	17.001	1.5
33	MP4C	Mx	-.02	1.5
34	MP4C	X	-29.446	5.25
35	MP4C	Z	17.001	5.25
36	MP4C	Mx	-.02	5.25
37	MP4A	X	-22.598	1.5
38	MP4A	Z	13.047	1.5
39	MP4A	Mx	.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP4A	X	-22.598	5.25
41	MP4A	Z	13.047	5.25
42	MP4A	Mx	.004	5.25
43	MP4B	X	-25.674	1.5
44	MP4B	Z	14.823	1.5
45	MP4B	Mx	-.023	1.5
46	MP4B	X	-25.674	5.25
47	MP4B	Z	14.823	5.25
48	MP4B	Mx	-.023	5.25
49	MP4C	X	-29.446	1.5
50	MP4C	Z	17.001	1.5
51	MP4C	Mx	.02	1.5
52	MP4C	X	-29.446	5.25
53	MP4C	Z	17.001	5.25
54	MP4C	Mx	.02	5.25
55	MP2A	X	-9.901	1.25
56	MP2A	Z	5.717	1.25
57	MP2A	Mx	.005	1.25
58	MP2A	X	-9.901	3.25
59	MP2A	Z	5.717	3.25
60	MP2A	Mx	.005	3.25
61	MP2B	X	-13.259	1.25
62	MP2B	Z	7.655	1.25
63	MP2B	Mx	-.005	1.25
64	MP2B	X	-13.259	3.25
65	MP2B	Z	7.655	3.25
66	MP2B	Mx	-.005	3.25
67	MP2C	X	-17.378	1.25
68	MP2C	Z	10.033	1.25
69	MP2C	Mx	0	1.25
70	MP2C	X	-17.378	3.25
71	MP2C	Z	10.033	3.25
72	MP2C	Mx	0	3.25
73	MP3A	X	-11.312	2.75
74	MP3A	Z	6.531	2.75
75	MP3A	Mx	-.004	2.75
76	MP3B	X	-11.312	2.75
77	MP3B	Z	6.531	2.75
78	MP3B	Mx	.004	2.75
79	MP3C	X	-14.655	2.75
80	MP3C	Z	8.461	2.75
81	MP3C	Mx	0	2.75
82	MP4A	X	-10.711	2.75
83	MP4A	Z	6.184	2.75
84	MP4A	Mx	-.004	2.75
85	MP4B	X	-10.711	2.75
86	MP4B	Z	6.184	2.75
87	MP4B	Mx	.004	2.75
88	MP4C	X	-14.655	2.75
89	MP4C	Z	8.461	2.75
90	MP4C	Mx	0	2.75
91	OVP1	X	-30.102	.5
92	OVP1	Z	17.379	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-25.184	.5
95	OVP2	Z	14.54	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-4.298	4
98	MP4B	Z	2.481	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP4B	Mx	.002	4
100	MP4B	X	-4.298	4
101	MP4B	Z	2.481	4
102	MP4B	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-23.459	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.012	1.5
4	MP1A	X	-23.459	5.25
5	MP1A	Z	0	5.25
6	MP1A	Mx	.012	5.25
7	MP1B	X	-33.683	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.003	1.5
10	MP1B	X	-33.683	5.25
11	MP1B	Z	0	5.25
12	MP1B	Mx	-.003	5.25
13	MP1C	X	-31.366	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.008	1.5
16	MP1C	X	-31.366	5.25
17	MP1C	Z	0	5.25
18	MP1C	Mx	-.008	5.25
19	MP4A	X	-33.683	1.5
20	MP4A	Z	0	1.5
21	MP4A	Mx	.016	1.5
22	MP4A	X	-33.683	5.25
23	MP4A	Z	0	5.25
24	MP4A	Mx	.016	5.25
25	MP4B	X	-33.683	1.5
26	MP4B	Z	0	1.5
27	MP4B	Mx	.016	1.5
28	MP4B	X	-33.683	5.25
29	MP4B	Z	0	5.25
30	MP4B	Mx	.016	5.25
31	MP4C	X	-31.366	1.5
32	MP4C	Z	0	1.5
33	MP4C	Mx	-.024	1.5
34	MP4C	X	-31.366	5.25
35	MP4C	Z	0	5.25
36	MP4C	Mx	-.024	5.25
37	MP4A	X	-23.459	1.5
38	MP4A	Z	0	1.5
39	MP4A	Mx	.012	1.5
40	MP4A	X	-23.459	5.25
41	MP4A	Z	0	5.25
42	MP4A	Mx	.012	5.25
43	MP4B	X	-33.683	1.5
44	MP4B	Z	0	1.5
45	MP4B	Mx	-.022	1.5
46	MP4B	X	-33.683	5.25
47	MP4B	Z	0	5.25
48	MP4B	Mx	-.022	5.25
49	MP4C	X	-31.366	1.5
50	MP4C	Z	0	1.5
51	MP4C	Mx	.008	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	-31.366	5.25
53	MP4C	Z	0	5.25
54	MP4C	Mx	.008	5.25
55	MP2A	X	-8.555	1.25
56	MP2A	Z	0	1.25
57	MP2A	Mx	.004	1.25
58	MP2A	X	-8.555	3.25
59	MP2A	Z	0	3.25
60	MP2A	Mx	.004	3.25
61	MP2B	X	-19.72	1.25
62	MP2B	Z	0	1.25
63	MP2B	Mx	-.002	1.25
64	MP2B	X	-19.72	3.25
65	MP2B	Z	0	3.25
66	MP2B	Mx	-.002	3.25
67	MP2C	X	-17.189	1.25
68	MP2C	Z	0	1.25
69	MP2C	Mx	-.004	1.25
70	MP2C	X	-17.189	3.25
71	MP2C	Z	0	3.25
72	MP2C	Mx	-.004	3.25
73	MP3A	X	-11.776	2.75
74	MP3A	Z	0	2.75
75	MP3A	Mx	-.004	2.75
76	MP3B	X	-15.635	2.75
77	MP3B	Z	0	2.75
78	MP3B	Mx	.003	2.75
79	MP3C	X	-15.635	2.75
80	MP3C	Z	0	2.75
81	MP3C	Mx	.003	2.75
82	MP4A	X	-10.849	2.75
83	MP4A	Z	0	2.75
84	MP4A	Mx	-.004	2.75
85	MP4B	X	-15.404	2.75
86	MP4B	Z	0	2.75
87	MP4B	Mx	.003	2.75
88	MP4C	X	-15.404	2.75
89	MP4C	Z	0	2.75
90	MP4C	Mx	.003	2.75
91	OVP1	X	-32.866	.5
92	OVP1	Z	0	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-32.866	.5
95	OVP2	Z	0	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-7.86	4
98	MP4B	Z	0	4
99	MP4B	Mx	.002	4
100	MP4B	X	-7.86	4
101	MP4B	Z	0	4
102	MP4B	Mx	-.000983	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-22.598	1.5
2	MP1A	Z	-13.047	1.5
3	MP1A	Mx	.011	1.5
4	MP1A	X	-22.598	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP1A	Z	-13.047	5.25
6	MP1A	Mx	.011	5.25
7	MP1B	X	-28.378	1.5
8	MP1B	Z	-16.384	1.5
9	MP1B	Mx	.006	1.5
10	MP1B	X	-28.378	5.25
11	MP1B	Z	-16.384	5.25
12	MP1B	Mx	.006	5.25
13	MP1C	X	-22.598	1.5
14	MP1C	Z	-13.047	1.5
15	MP1C	Mx	-.011	1.5
16	MP1C	X	-22.598	5.25
17	MP1C	Z	-13.047	5.25
18	MP1C	Mx	-.011	5.25
19	MP4A	X	-28.378	1.5
20	MP4A	Z	-16.384	1.5
21	MP4A	Mx	.024	1.5
22	MP4A	X	-28.378	5.25
23	MP4A	Z	-16.384	5.25
24	MP4A	Mx	.024	5.25
25	MP4B	X	-28.378	1.5
26	MP4B	Z	-16.384	1.5
27	MP4B	Mx	.024	1.5
28	MP4B	X	-28.378	5.25
29	MP4B	Z	-16.384	5.25
30	MP4B	Mx	.024	5.25
31	MP4C	X	-22.598	1.5
32	MP4C	Z	-13.047	1.5
33	MP4C	Mx	-.019	1.5
34	MP4C	X	-22.598	5.25
35	MP4C	Z	-13.047	5.25
36	MP4C	Mx	-.019	5.25
37	MP4A	X	-22.598	1.5
38	MP4A	Z	-13.047	1.5
39	MP4A	Mx	.019	1.5
40	MP4A	X	-22.598	5.25
41	MP4A	Z	-13.047	5.25
42	MP4A	Mx	.019	5.25
43	MP4B	X	-28.378	1.5
44	MP4B	Z	-16.384	1.5
45	MP4B	Mx	-.012	1.5
46	MP4B	X	-28.378	5.25
47	MP4B	Z	-16.384	5.25
48	MP4B	Mx	-.012	5.25
49	MP4C	X	-22.598	1.5
50	MP4C	Z	-13.047	1.5
51	MP4C	Mx	-.004	1.5
52	MP4C	X	-22.598	5.25
53	MP4C	Z	-13.047	5.25
54	MP4C	Mx	-.004	5.25
55	MP2A	X	-9.901	1.25
56	MP2A	Z	-5.717	1.25
57	MP2A	Mx	.005	1.25
58	MP2A	X	-9.901	3.25
59	MP2A	Z	-5.717	3.25
60	MP2A	Mx	.005	3.25
61	MP2B	X	-16.212	1.25
62	MP2B	Z	-9.36	1.25
63	MP2B	Mx	.003	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2B	X	-16.212	3.25
65	MP2B	Z	-9.36	3.25
66	MP2B	Mx	.003	3.25
67	MP2C	X	-9.901	1.25
68	MP2C	Z	-5.717	1.25
69	MP2C	Mx	-.005	1.25
70	MP2C	X	-9.901	3.25
71	MP2C	Z	-5.717	3.25
72	MP2C	Mx	-.005	3.25
73	MP3A	X	-11.312	2.75
74	MP3A	Z	-6.531	2.75
75	MP3A	Mx	-.004	2.75
76	MP3B	X	-14.655	2.75
77	MP3B	Z	-8.461	2.75
78	MP3B	Mx	0	2.75
79	MP3C	X	-11.312	2.75
80	MP3C	Z	-6.531	2.75
81	MP3C	Mx	.004	2.75
82	MP4A	X	-10.711	2.75
83	MP4A	Z	-6.184	2.75
84	MP4A	Mx	-.004	2.75
85	MP4B	X	-14.655	2.75
86	MP4B	Z	-8.461	2.75
87	MP4B	Mx	0	2.75
88	MP4C	X	-10.711	2.75
89	MP4C	Z	-6.184	2.75
90	MP4C	Mx	.004	2.75
91	OVP1	X	-25.184	.5
92	OVP1	Z	-14.54	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-30.102	.5
95	OVP2	Z	-17.379	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-8.061	4
98	MP4B	Z	-4.654	4
99	MP4B	Mx	0	4
100	MP4B	X	-8.061	4
101	MP4B	Z	-4.654	4
102	MP4B	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-15.683	1.5
2	MP1A	Z	-27.163	1.5
3	MP1A	Mx	.008	1.5
4	MP1A	X	-15.683	5.25
5	MP1A	Z	-27.163	5.25
6	MP1A	Mx	.008	5.25
7	MP1B	X	-13.907	1.5
8	MP1B	Z	-24.088	1.5
9	MP1B	Mx	.011	1.5
10	MP1B	X	-13.907	5.25
11	MP1B	Z	-24.088	5.25
12	MP1B	Mx	.011	5.25
13	MP1C	X	-11.729	1.5
14	MP1C	Z	-20.316	1.5
15	MP1C	Mx	-.012	1.5
16	MP1C	X	-11.729	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP1C	Z	-20.316	5.25
18	MP1C	Mx	-.012	5.25
19	MP4A	X	-13.907	1.5
20	MP4A	Z	-24.088	1.5
21	MP4A	Mx	.021	1.5
22	MP4A	X	-13.907	5.25
23	MP4A	Z	-24.088	5.25
24	MP4A	Mx	.021	5.25
25	MP4B	X	-13.907	1.5
26	MP4B	Z	-24.088	1.5
27	MP4B	Mx	.021	1.5
28	MP4B	X	-13.907	5.25
29	MP4B	Z	-24.088	5.25
30	MP4B	Mx	.021	5.25
31	MP4C	X	-11.729	1.5
32	MP4C	Z	-20.316	1.5
33	MP4C	Mx	-.012	1.5
34	MP4C	X	-11.729	5.25
35	MP4C	Z	-20.316	5.25
36	MP4C	Mx	-.012	5.25
37	MP4A	X	-15.683	1.5
38	MP4A	Z	-27.163	1.5
39	MP4A	Mx	.024	1.5
40	MP4A	X	-15.683	5.25
41	MP4A	Z	-27.163	5.25
42	MP4A	Mx	.024	5.25
43	MP4B	X	-13.907	1.5
44	MP4B	Z	-24.088	1.5
45	MP4B	Mx	.000224	1.5
46	MP4B	X	-13.907	5.25
47	MP4B	Z	-24.088	5.25
48	MP4B	Mx	.000224	5.25
49	MP4C	X	-11.729	1.5
50	MP4C	Z	-20.316	1.5
51	MP4C	Mx	-.012	1.5
52	MP4C	X	-11.729	5.25
53	MP4C	Z	-20.316	5.25
54	MP4C	Mx	-.012	5.25
55	MP2A	X	-8.594	1.25
56	MP2A	Z	-14.886	1.25
57	MP2A	Mx	.004	1.25
58	MP2A	X	-8.594	3.25
59	MP2A	Z	-14.886	3.25
60	MP2A	Mx	.004	3.25
61	MP2B	X	-6.656	1.25
62	MP2B	Z	-11.528	1.25
63	MP2B	Mx	.005	1.25
64	MP2B	X	-6.656	3.25
65	MP2B	Z	-11.528	3.25
66	MP2B	Mx	.005	3.25
67	MP2C	X	-4.278	1.25
68	MP2C	Z	-7.409	1.25
69	MP2C	Mx	-.004	1.25
70	MP2C	X	-4.278	3.25
71	MP2C	Z	-7.409	3.25
72	MP2C	Mx	-.004	3.25
73	MP3A	X	-7.818	2.75
74	MP3A	Z	-13.541	2.75
75	MP3A	Mx	-.003	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP3B	X	-7.818	2.75
77	MP3B	Z	-13.541	2.75
78	MP3B	Mx	-.003	2.75
79	MP3C	X	-5.888	2.75
80	MP3C	Z	-10.198	2.75
81	MP3C	Mx	.004	2.75
82	MP4A	X	-7.702	2.75
83	MP4A	Z	-13.34	2.75
84	MP4A	Mx	-.003	2.75
85	MP4B	X	-7.702	2.75
86	MP4B	Z	-13.34	2.75
87	MP4B	Mx	-.003	2.75
88	MP4C	X	-5.425	2.75
89	MP4C	Z	-9.396	2.75
90	MP4C	Mx	.004	2.75
91	OVP1	X	-13.593	.5
92	OVP1	Z	-23.544	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-16.433	.5
95	OVP2	Z	-28.463	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-3.93	4
98	MP4B	Z	-6.807	4
99	MP4B	Mx	-.002	4
100	MP4B	X	-3.93	4
101	MP4B	Z	-6.807	4
102	MP4B	Mx	.000983	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-7.488	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	5.25
5	MP1A	Z	-7.488	5.25
6	MP1A	Mx	0	5.25
7	MP1B	X	0	1.5
8	MP1B	Z	-3.349	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	0	5.25
11	MP1B	Z	-3.349	5.25
12	MP1B	Mx	.002	5.25
13	MP1C	X	0	1.5
14	MP1C	Z	-4.287	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	0	5.25
17	MP1C	Z	-4.287	5.25
18	MP1C	Mx	-.002	5.25
19	MP4A	X	0	1.5
20	MP4A	Z	-3.349	1.5
21	MP4A	Mx	.002	1.5
22	MP4A	X	0	5.25
23	MP4A	Z	-3.349	5.25
24	MP4A	Mx	.002	5.25
25	MP4B	X	0	1.5
26	MP4B	Z	-3.349	1.5
27	MP4B	Mx	.002	1.5
28	MP4B	X	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP4B	Z	-3.349	5.25
30	MP4B	Mx	.002	5.25
31	MP4C	X	0	1.5
32	MP4C	Z	-4.287	1.5
33	MP4C	Mx	-.000606	1.5
34	MP4C	X	0	5.25
35	MP4C	Z	-4.287	5.25
36	MP4C	Mx	-.000606	5.25
37	MP4A	X	0	1.5
38	MP4A	Z	-7.488	1.5
39	MP4A	Mx	.004	1.5
40	MP4A	X	0	5.25
41	MP4A	Z	-7.488	5.25
42	MP4A	Mx	.004	5.25
43	MP4B	X	0	1.5
44	MP4B	Z	-3.349	1.5
45	MP4B	Mx	.001	1.5
46	MP4B	X	0	5.25
47	MP4B	Z	-3.349	5.25
48	MP4B	Mx	.001	5.25
49	MP4C	X	0	1.5
50	MP4C	Z	-4.287	1.5
51	MP4C	Mx	-.003	1.5
52	MP4C	X	0	5.25
53	MP4C	Z	-4.287	5.25
54	MP4C	Mx	-.003	5.25
55	MP2A	X	0	1.25
56	MP2A	Z	-5.327	1.25
57	MP2A	Mx	0	1.25
58	MP2A	X	0	3.25
59	MP2A	Z	-5.327	3.25
60	MP2A	Mx	0	3.25
61	MP2B	X	0	1.25
62	MP2B	Z	-1.94	1.25
63	MP2B	Mx	.000955	1.25
64	MP2B	X	0	3.25
65	MP2B	Z	-1.94	3.25
66	MP2B	Mx	.000955	3.25
67	MP2C	X	0	1.25
68	MP2C	Z	-2.708	1.25
69	MP2C	Mx	-.001	1.25
70	MP2C	X	0	3.25
71	MP2C	Z	-2.708	3.25
72	MP2C	Mx	-.001	3.25
73	MP3A	X	0	2.75
74	MP3A	Z	-4.213	2.75
75	MP3A	Mx	0	2.75
76	MP3B	X	0	2.75
77	MP3B	Z	-3.173	2.75
78	MP3B	Mx	-.000916	2.75
79	MP3C	X	0	2.75
80	MP3C	Z	-3.173	2.75
81	MP3C	Mx	.000916	2.75
82	MP4A	X	0	2.75
83	MP4A	Z	-4.213	2.75
84	MP4A	Mx	0	2.75
85	MP4B	X	0	2.75
86	MP4B	Z	-2.969	2.75
87	MP4B	Mx	-.000857	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP4C	X	0	2.75
89	MP4C	Z	-2.969	2.75
90	MP4C	Mx	.000857	2.75
91	OVP1	X	0	.5
92	OVP1	Z	-7.066	.5
93	OVP1	Mx	0	.5
94	OVP2	X	0	.5
95	OVP2	Z	-7.066	.5
96	OVP2	Mx	0	.5
97	MP4B	X	0	4
98	MP4B	Z	-1.246	4
99	MP4B	Mx	-.00054	4
100	MP4B	X	0	4
101	MP4B	Z	-1.246	4
102	MP4B	Mx	.00027	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.21	1.5
2	MP1A	Z	-5.561	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	3.21	5.25
5	MP1A	Z	-5.561	5.25
6	MP1A	Mx	-.002	5.25
7	MP1B	X	1.86	1.5
8	MP1B	Z	-3.221	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	1.86	5.25
11	MP1B	Z	-3.221	5.25
12	MP1B	Mx	.002	5.25
13	MP1C	X	3.21	1.5
14	MP1C	Z	-5.561	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	3.21	5.25
17	MP1C	Z	-5.561	5.25
18	MP1C	Mx	-.002	5.25
19	MP4A	X	1.86	1.5
20	MP4A	Z	-3.221	1.5
21	MP4A	Mx	.001	1.5
22	MP4A	X	1.86	5.25
23	MP4A	Z	-3.221	5.25
24	MP4A	Mx	.001	5.25
25	MP4B	X	1.86	1.5
26	MP4B	Z	-3.221	1.5
27	MP4B	Mx	.001	1.5
28	MP4B	X	1.86	5.25
29	MP4B	Z	-3.221	5.25
30	MP4B	Mx	.001	5.25
31	MP4C	X	3.21	1.5
32	MP4C	Z	-5.561	1.5
33	MP4C	Mx	.002	1.5
34	MP4C	X	3.21	5.25
35	MP4C	Z	-5.561	5.25
36	MP4C	Mx	.002	5.25
37	MP4A	X	3.21	1.5
38	MP4A	Z	-5.561	1.5
39	MP4A	Mx	.002	1.5
40	MP4A	X	3.21	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	-5.561	5.25
42	MP4A	Mx	.002	5.25
43	MP4B	X	1.86	1.5
44	MP4B	Z	-3.221	1.5
45	MP4B	Mx	.002	1.5
46	MP4B	X	1.86	5.25
47	MP4B	Z	-3.221	5.25
48	MP4B	Mx	.002	5.25
49	MP4C	X	3.21	1.5
50	MP4C	Z	-5.561	1.5
51	MP4C	Mx	-.005	1.5
52	MP4C	X	3.21	5.25
53	MP4C	Z	-5.561	5.25
54	MP4C	Mx	-.005	5.25
55	MP2A	X	2.227	1.25
56	MP2A	Z	-3.857	1.25
57	MP2A	Mx	-.001	1.25
58	MP2A	X	2.227	3.25
59	MP2A	Z	-3.857	3.25
60	MP2A	Mx	-.001	3.25
61	MP2B	X	1.122	1.25
62	MP2B	Z	-1.943	1.25
63	MP2B	Mx	.001	1.25
64	MP2B	X	1.122	3.25
65	MP2B	Z	-1.943	3.25
66	MP2B	Mx	.001	3.25
67	MP2C	X	2.227	1.25
68	MP2C	Z	-3.857	1.25
69	MP2C	Mx	-.001	1.25
70	MP2C	X	2.227	3.25
71	MP2C	Z	-3.857	3.25
72	MP2C	Mx	-.001	3.25
73	MP3A	X	1.933	2.75
74	MP3A	Z	-3.348	2.75
75	MP3A	Mx	.000644	2.75
76	MP3B	X	1.413	2.75
77	MP3B	Z	-2.448	2.75
78	MP3B	Mx	-.000942	2.75
79	MP3C	X	1.933	2.75
80	MP3C	Z	-3.348	2.75
81	MP3C	Mx	.000644	2.75
82	MP4A	X	1.899	2.75
83	MP4A	Z	-3.289	2.75
84	MP4A	Mx	.000633	2.75
85	MP4B	X	1.277	2.75
86	MP4B	Z	-2.213	2.75
87	MP4B	Mx	-.000852	2.75
88	MP4C	X	1.899	2.75
89	MP4C	Z	-3.289	2.75
90	MP4C	Mx	.000633	2.75
91	OVP1	X	4.05	.5
92	OVP1	Z	-7.014	.5
93	OVP1	Mx	0	.5
94	OVP2	X	3.275	.5
95	OVP2	Z	-5.673	.5
96	OVP2	Mx	0	.5
97	MP4B	X	.396	4
98	MP4B	Z	-.685	4
99	MP4B	Mx	-.000396	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP4B	X	.396	4
101	MP4B	Z	-.685	4
102	MP4B	Mx	.000198	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.713	1.5
2	MP1A	Z	-2.144	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	3.713	5.25
5	MP1A	Z	-2.144	5.25
6	MP1A	Mx	-.002	5.25
7	MP1B	X	4.958	1.5
8	MP1B	Z	-2.862	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	4.958	5.25
11	MP1B	Z	-2.862	5.25
12	MP1B	Mx	.002	5.25
13	MP1C	X	6.485	1.5
14	MP1C	Z	-3.744	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	6.485	5.25
17	MP1C	Z	-3.744	5.25
18	MP1C	Mx	0	5.25
19	MP4A	X	4.958	1.5
20	MP4A	Z	-2.862	1.5
21	MP4A	Mx	-.000719	1.5
22	MP4A	X	4.958	5.25
23	MP4A	Z	-2.862	5.25
24	MP4A	Mx	-.000719	5.25
25	MP4B	X	4.958	1.5
26	MP4B	Z	-2.862	1.5
27	MP4B	Mx	-.000719	1.5
28	MP4B	X	4.958	5.25
29	MP4B	Z	-2.862	5.25
30	MP4B	Mx	-.000719	5.25
31	MP4C	X	6.485	1.5
32	MP4C	Z	-3.744	1.5
33	MP4C	Mx	.004	1.5
34	MP4C	X	6.485	5.25
35	MP4C	Z	-3.744	5.25
36	MP4C	Mx	.004	5.25
37	MP4A	X	3.713	1.5
38	MP4A	Z	-2.144	1.5
39	MP4A	Mx	-.000606	1.5
40	MP4A	X	3.713	5.25
41	MP4A	Z	-2.144	5.25
42	MP4A	Mx	-.000606	5.25
43	MP4B	X	4.958	1.5
44	MP4B	Z	-2.862	1.5
45	MP4B	Mx	.004	1.5
46	MP4B	X	4.958	5.25
47	MP4B	Z	-2.862	5.25
48	MP4B	Mx	.004	5.25
49	MP4C	X	6.485	1.5
50	MP4C	Z	-3.744	1.5
51	MP4C	Mx	-.004	1.5
52	MP4C	X	6.485	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	-3.744	5.25
54	MP4C	Mx	-.004	5.25
55	MP2A	X	2.345	1.25
56	MP2A	Z	-1.354	1.25
57	MP2A	Mx	-.001	1.25
58	MP2A	X	2.345	3.25
59	MP2A	Z	-1.354	3.25
60	MP2A	Mx	-.001	3.25
61	MP2B	X	3.364	1.25
62	MP2B	Z	-1.942	1.25
63	MP2B	Mx	.001	1.25
64	MP2B	X	3.364	3.25
65	MP2B	Z	-1.942	3.25
66	MP2B	Mx	.001	3.25
67	MP2C	X	4.613	1.25
68	MP2C	Z	-2.664	1.25
69	MP2C	Mx	0	1.25
70	MP2C	X	4.613	3.25
71	MP2C	Z	-2.664	3.25
72	MP2C	Mx	0	3.25
73	MP3A	X	2.748	2.75
74	MP3A	Z	-1.587	2.75
75	MP3A	Mx	.000916	2.75
76	MP3B	X	2.748	2.75
77	MP3B	Z	-1.587	2.75
78	MP3B	Mx	-.000916	2.75
79	MP3C	X	3.648	2.75
80	MP3C	Z	-2.106	2.75
81	MP3C	Mx	0	2.75
82	MP4A	X	2.571	2.75
83	MP4A	Z	-1.485	2.75
84	MP4A	Mx	.000857	2.75
85	MP4B	X	2.571	2.75
86	MP4B	Z	-1.485	2.75
87	MP4B	Mx	-.000857	2.75
88	MP4C	X	3.648	2.75
89	MP4C	Z	-2.106	2.75
90	MP4C	Mx	0	2.75
91	OVP1	X	7.461	.5
92	OVP1	Z	-4.308	.5
93	OVP1	Mx	0	.5
94	OVP2	X	6.12	.5
95	OVP2	Z	-3.533	.5
96	OVP2	Mx	0	.5
97	MP4B	X	1.079	4
98	MP4B	Z	-.623	4
99	MP4B	Mx	-.00054	4
100	MP4B	X	1.079	4
101	MP4B	Z	-.623	4
102	MP4B	Mx	.00027	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.221	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	3.221	5.25
5	MP1A	Z	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	-.002	5.25
7	MP1B	X	7.359	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.000639	1.5
10	MP1B	X	7.359	5.25
11	MP1B	Z	0	5.25
12	MP1B	Mx	.000639	5.25
13	MP1C	X	6.421	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	6.421	5.25
17	MP1C	Z	0	5.25
18	MP1C	Mx	.002	5.25
19	MP4A	X	7.359	1.5
20	MP4A	Z	0	1.5
21	MP4A	Mx	-.004	1.5
22	MP4A	X	7.359	5.25
23	MP4A	Z	0	5.25
24	MP4A	Mx	-.004	5.25
25	MP4B	X	7.359	1.5
26	MP4B	Z	0	1.5
27	MP4B	Mx	-.004	1.5
28	MP4B	X	7.359	5.25
29	MP4B	Z	0	5.25
30	MP4B	Mx	-.004	5.25
31	MP4C	X	6.421	1.5
32	MP4C	Z	0	1.5
33	MP4C	Mx	.005	1.5
34	MP4C	X	6.421	5.25
35	MP4C	Z	0	5.25
36	MP4C	Mx	.005	5.25
37	MP4A	X	3.221	1.5
38	MP4A	Z	0	1.5
39	MP4A	Mx	-.002	1.5
40	MP4A	X	3.221	5.25
41	MP4A	Z	0	5.25
42	MP4A	Mx	-.002	5.25
43	MP4B	X	7.359	1.5
44	MP4B	Z	0	1.5
45	MP4B	Mx	.005	1.5
46	MP4B	X	7.359	5.25
47	MP4B	Z	0	5.25
48	MP4B	Mx	.005	5.25
49	MP4C	X	6.421	1.5
50	MP4C	Z	0	1.5
51	MP4C	Mx	-.002	1.5
52	MP4C	X	6.421	5.25
53	MP4C	Z	0	5.25
54	MP4C	Mx	-.002	5.25
55	MP2A	X	1.835	1.25
56	MP2A	Z	0	1.25
57	MP2A	Mx	-.000918	1.25
58	MP2A	X	1.835	3.25
59	MP2A	Z	0	3.25
60	MP2A	Mx	-.000918	3.25
61	MP2B	X	5.222	1.25
62	MP2B	Z	0	1.25
63	MP2B	Mx	.000453	1.25
64	MP2B	X	5.222	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2B	Z	0	3.25
66	MP2B	Mx	.000453	3.25
67	MP2C	X	4.454	1.25
68	MP2C	Z	0	1.25
69	MP2C	Mx	.001	1.25
70	MP2C	X	4.454	3.25
71	MP2C	Z	0	3.25
72	MP2C	Mx	.001	3.25
73	MP3A	X	2.827	2.75
74	MP3A	Z	0	2.75
75	MP3A	Mx	.000942	2.75
76	MP3B	X	3.866	2.75
77	MP3B	Z	0	2.75
78	MP3B	Mx	-.000644	2.75
79	MP3C	X	3.866	2.75
80	MP3C	Z	0	2.75
81	MP3C	Mx	-.000644	2.75
82	MP4A	X	2.555	2.75
83	MP4A	Z	0	2.75
84	MP4A	Mx	.000852	2.75
85	MP4B	X	3.798	2.75
86	MP4B	Z	0	2.75
87	MP4B	Mx	-.000633	2.75
88	MP4C	X	3.798	2.75
89	MP4C	Z	0	2.75
90	MP4C	Mx	-.000633	2.75
91	OVP1	X	8.099	.5
92	OVP1	Z	0	.5
93	OVP1	Mx	0	.5
94	OVP2	X	8.099	.5
95	OVP2	Z	0	.5
96	OVP2	Mx	0	.5
97	MP4B	X	2.155	4
98	MP4B	Z	0	4
99	MP4B	Mx	-.000539	4
100	MP4B	X	2.155	4
101	MP4B	Z	0	4
102	MP4B	Mx	.000269	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.713	1.5
2	MP1A	Z	2.144	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	3.713	5.25
5	MP1A	Z	2.144	5.25
6	MP1A	Mx	-.002	5.25
7	MP1B	X	6.052	1.5
8	MP1B	Z	3.494	1.5
9	MP1B	Mx	-.001	1.5
10	MP1B	X	6.052	5.25
11	MP1B	Z	3.494	5.25
12	MP1B	Mx	-.001	5.25
13	MP1C	X	3.713	1.5
14	MP1C	Z	2.144	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	3.713	5.25
17	MP1C	Z	2.144	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	.002	5.25
19	MP4A	X	6.052	1.5
20	MP4A	Z	3.494	1.5
21	MP4A	Mx	-.005	1.5
22	MP4A	X	6.052	5.25
23	MP4A	Z	3.494	5.25
24	MP4A	Mx	-.005	5.25
25	MP4B	X	6.052	1.5
26	MP4B	Z	3.494	1.5
27	MP4B	Mx	-.005	1.5
28	MP4B	X	6.052	5.25
29	MP4B	Z	3.494	5.25
30	MP4B	Mx	-.005	5.25
31	MP4C	X	3.713	1.5
32	MP4C	Z	2.144	1.5
33	MP4C	Mx	.003	1.5
34	MP4C	X	3.713	5.25
35	MP4C	Z	2.144	5.25
36	MP4C	Mx	.003	5.25
37	MP4A	X	3.713	1.5
38	MP4A	Z	2.144	1.5
39	MP4A	Mx	-.003	1.5
40	MP4A	X	3.713	5.25
41	MP4A	Z	2.144	5.25
42	MP4A	Mx	-.003	5.25
43	MP4B	X	6.052	1.5
44	MP4B	Z	3.494	1.5
45	MP4B	Mx	.003	1.5
46	MP4B	X	6.052	5.25
47	MP4B	Z	3.494	5.25
48	MP4B	Mx	.003	5.25
49	MP4C	X	3.713	1.5
50	MP4C	Z	2.144	1.5
51	MP4C	Mx	.000606	1.5
52	MP4C	X	3.713	5.25
53	MP4C	Z	2.144	5.25
54	MP4C	Mx	.000606	5.25
55	MP2A	X	2.345	1.25
56	MP2A	Z	1.354	1.25
57	MP2A	Mx	-.001	1.25
58	MP2A	X	2.345	3.25
59	MP2A	Z	1.354	3.25
60	MP2A	Mx	-.001	3.25
61	MP2B	X	4.26	1.25
62	MP2B	Z	2.459	1.25
63	MP2B	Mx	-.000841	1.25
64	MP2B	X	4.26	3.25
65	MP2B	Z	2.459	3.25
66	MP2B	Mx	-.000841	3.25
67	MP2C	X	2.345	1.25
68	MP2C	Z	1.354	1.25
69	MP2C	Mx	.001	1.25
70	MP2C	X	2.345	3.25
71	MP2C	Z	1.354	3.25
72	MP2C	Mx	.001	3.25
73	MP3A	X	2.748	2.75
74	MP3A	Z	1.587	2.75
75	MP3A	Mx	.000916	2.75
76	MP3B	X	3.648	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP3B	Z	2.106	2.75
78	MP3B	Mx	0	2.75
79	MP3C	X	2.748	2.75
80	MP3C	Z	1.587	2.75
81	MP3C	Mx	-.000916	2.75
82	MP4A	X	2.571	2.75
83	MP4A	Z	1.485	2.75
84	MP4A	Mx	.000857	2.75
85	MP4B	X	3.648	2.75
86	MP4B	Z	2.106	2.75
87	MP4B	Mx	0	2.75
88	MP4C	X	2.571	2.75
89	MP4C	Z	1.485	2.75
90	MP4C	Mx	-.000857	2.75
91	OVP1	X	6.12	.5
92	OVP1	Z	3.533	.5
93	OVP1	Mx	0	.5
94	OVP2	X	7.461	.5
95	OVP2	Z	4.308	.5
96	OVP2	Mx	0	.5
97	MP4B	X	2.26	4
98	MP4B	Z	1.305	4
99	MP4B	Mx	0	4
100	MP4B	X	2.26	4
101	MP4B	Z	1.305	4
102	MP4B	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.21	1.5
2	MP1A	Z	5.561	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	3.21	5.25
5	MP1A	Z	5.561	5.25
6	MP1A	Mx	-.002	5.25
7	MP1B	X	2.492	1.5
8	MP1B	Z	4.316	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	2.492	5.25
11	MP1B	Z	4.316	5.25
12	MP1B	Mx	-.002	5.25
13	MP1C	X	1.61	1.5
14	MP1C	Z	2.789	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	1.61	5.25
17	MP1C	Z	2.789	5.25
18	MP1C	Mx	.002	5.25
19	MP4A	X	2.492	1.5
20	MP4A	Z	4.316	1.5
21	MP4A	Mx	-.004	1.5
22	MP4A	X	2.492	5.25
23	MP4A	Z	4.316	5.25
24	MP4A	Mx	-.004	5.25
25	MP4B	X	2.492	1.5
26	MP4B	Z	4.316	1.5
27	MP4B	Mx	-.004	1.5
28	MP4B	X	2.492	5.25
29	MP4B	Z	4.316	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP4B	Mx	-.004	5.25
31	MP4C	X	1.61	1.5
32	MP4C	Z	2.789	1.5
33	MP4C	Mx	.002	1.5
34	MP4C	X	1.61	5.25
35	MP4C	Z	2.789	5.25
36	MP4C	Mx	.002	5.25
37	MP4A	X	3.21	1.5
38	MP4A	Z	5.561	1.5
39	MP4A	Mx	-.005	1.5
40	MP4A	X	3.21	5.25
41	MP4A	Z	5.561	5.25
42	MP4A	Mx	-.005	5.25
43	MP4B	X	2.492	1.5
44	MP4B	Z	4.316	1.5
45	MP4B	Mx	-4e-5	1.5
46	MP4B	X	2.492	5.25
47	MP4B	Z	4.316	5.25
48	MP4B	Mx	-4e-5	5.25
49	MP4C	X	1.61	1.5
50	MP4C	Z	2.789	1.5
51	MP4C	Mx	.002	1.5
52	MP4C	X	1.61	5.25
53	MP4C	Z	2.789	5.25
54	MP4C	Mx	.002	5.25
55	MP2A	X	2.227	1.25
56	MP2A	Z	3.857	1.25
57	MP2A	Mx	-.001	1.25
58	MP2A	X	2.227	3.25
59	MP2A	Z	3.857	3.25
60	MP2A	Mx	-.001	3.25
61	MP2B	X	1.639	1.25
62	MP2B	Z	2.838	1.25
63	MP2B	Mx	-.001	1.25
64	MP2B	X	1.639	3.25
65	MP2B	Z	2.838	3.25
66	MP2B	Mx	-.001	3.25
67	MP2C	X	.917	1.25
68	MP2C	Z	1.589	1.25
69	MP2C	Mx	.000917	1.25
70	MP2C	X	.917	3.25
71	MP2C	Z	1.589	3.25
72	MP2C	Mx	.000917	3.25
73	MP3A	X	1.933	2.75
74	MP3A	Z	3.348	2.75
75	MP3A	Mx	.000644	2.75
76	MP3B	X	1.933	2.75
77	MP3B	Z	3.348	2.75
78	MP3B	Mx	.000644	2.75
79	MP3C	X	1.413	2.75
80	MP3C	Z	2.448	2.75
81	MP3C	Mx	-.000942	2.75
82	MP4A	X	1.899	2.75
83	MP4A	Z	3.289	2.75
84	MP4A	Mx	.000633	2.75
85	MP4B	X	1.899	2.75
86	MP4B	Z	3.289	2.75
87	MP4B	Mx	.000633	2.75
88	MP4C	X	1.277	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP4C	Z	2.213	2.75
90	MP4C	Mx	-.000852	2.75
91	OVP1	X	3.275	.5
92	OVP1	Z	5.673	.5
93	OVP1	Mx	0	.5
94	OVP2	X	4.05	.5
95	OVP2	Z	7.014	.5
96	OVP2	Mx	0	.5
97	MP4B	X	1.077	4
98	MP4B	Z	1.866	4
99	MP4B	Mx	.000539	4
100	MP4B	X	1.077	4
101	MP4B	Z	1.866	4
102	MP4B	Mx	-.000269	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	7.488	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	5.25
5	MP1A	Z	7.488	5.25
6	MP1A	Mx	0	5.25
7	MP1B	X	0	1.5
8	MP1B	Z	3.349	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	0	5.25
11	MP1B	Z	3.349	5.25
12	MP1B	Mx	-.002	5.25
13	MP1C	X	0	1.5
14	MP1C	Z	4.287	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	0	5.25
17	MP1C	Z	4.287	5.25
18	MP1C	Mx	.002	5.25
19	MP4A	X	0	1.5
20	MP4A	Z	3.349	1.5
21	MP4A	Mx	-.002	1.5
22	MP4A	X	0	5.25
23	MP4A	Z	3.349	5.25
24	MP4A	Mx	-.002	5.25
25	MP4B	X	0	1.5
26	MP4B	Z	3.349	1.5
27	MP4B	Mx	-.002	1.5
28	MP4B	X	0	5.25
29	MP4B	Z	3.349	5.25
30	MP4B	Mx	-.002	5.25
31	MP4C	X	0	1.5
32	MP4C	Z	4.287	1.5
33	MP4C	Mx	.000606	1.5
34	MP4C	X	0	5.25
35	MP4C	Z	4.287	5.25
36	MP4C	Mx	.000606	5.25
37	MP4A	X	0	1.5
38	MP4A	Z	7.488	1.5
39	MP4A	Mx	-.004	1.5
40	MP4A	X	0	5.25
41	MP4A	Z	7.488	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP4A	Mx	-.004	5.25
43	MP4B	X	0	1.5
44	MP4B	Z	3.349	1.5
45	MP4B	Mx	-.001	1.5
46	MP4B	X	0	5.25
47	MP4B	Z	3.349	5.25
48	MP4B	Mx	-.001	5.25
49	MP4C	X	0	1.5
50	MP4C	Z	4.287	1.5
51	MP4C	Mx	.003	1.5
52	MP4C	X	0	5.25
53	MP4C	Z	4.287	5.25
54	MP4C	Mx	.003	5.25
55	MP2A	X	0	1.25
56	MP2A	Z	5.327	1.25
57	MP2A	Mx	0	1.25
58	MP2A	X	0	3.25
59	MP2A	Z	5.327	3.25
60	MP2A	Mx	0	3.25
61	MP2B	X	0	1.25
62	MP2B	Z	1.94	1.25
63	MP2B	Mx	-.000955	1.25
64	MP2B	X	0	3.25
65	MP2B	Z	1.94	3.25
66	MP2B	Mx	-.000955	3.25
67	MP2C	X	0	1.25
68	MP2C	Z	2.708	1.25
69	MP2C	Mx	.001	1.25
70	MP2C	X	0	3.25
71	MP2C	Z	2.708	3.25
72	MP2C	Mx	.001	3.25
73	MP3A	X	0	2.75
74	MP3A	Z	4.213	2.75
75	MP3A	Mx	0	2.75
76	MP3B	X	0	2.75
77	MP3B	Z	3.173	2.75
78	MP3B	Mx	.000916	2.75
79	MP3C	X	0	2.75
80	MP3C	Z	3.173	2.75
81	MP3C	Mx	-.000916	2.75
82	MP4A	X	0	2.75
83	MP4A	Z	4.213	2.75
84	MP4A	Mx	0	2.75
85	MP4B	X	0	2.75
86	MP4B	Z	2.969	2.75
87	MP4B	Mx	.000857	2.75
88	MP4C	X	0	2.75
89	MP4C	Z	2.969	2.75
90	MP4C	Mx	-.000857	2.75
91	OVP1	X	0	.5
92	OVP1	Z	7.066	.5
93	OVP1	Mx	0	.5
94	OVP2	X	0	.5
95	OVP2	Z	7.066	.5
96	OVP2	Mx	0	.5
97	MP4B	X	0	4
98	MP4B	Z	1.246	4
99	MP4B	Mx	.00054	4
100	MP4B	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP4B	Z	1.246	4
102	MP4B	Mx	-.00027	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.21	1.5
2	MP1A	Z	5.561	1.5
3	MP1A	Mx	.002	1.5
4	MP1A	X	-3.21	5.25
5	MP1A	Z	5.561	5.25
6	MP1A	Mx	.002	5.25
7	MP1B	X	-1.86	1.5
8	MP1B	Z	3.221	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	-1.86	5.25
11	MP1B	Z	3.221	5.25
12	MP1B	Mx	-.002	5.25
13	MP1C	X	-3.21	1.5
14	MP1C	Z	5.561	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	-3.21	5.25
17	MP1C	Z	5.561	5.25
18	MP1C	Mx	.002	5.25
19	MP4A	X	-1.86	1.5
20	MP4A	Z	3.221	1.5
21	MP4A	Mx	-.001	1.5
22	MP4A	X	-1.86	5.25
23	MP4A	Z	3.221	5.25
24	MP4A	Mx	-.001	5.25
25	MP4B	X	-1.86	1.5
26	MP4B	Z	3.221	1.5
27	MP4B	Mx	-.001	1.5
28	MP4B	X	-1.86	5.25
29	MP4B	Z	3.221	5.25
30	MP4B	Mx	-.001	5.25
31	MP4C	X	-3.21	1.5
32	MP4C	Z	5.561	1.5
33	MP4C	Mx	-.002	1.5
34	MP4C	X	-3.21	5.25
35	MP4C	Z	5.561	5.25
36	MP4C	Mx	-.002	5.25
37	MP4A	X	-3.21	1.5
38	MP4A	Z	5.561	1.5
39	MP4A	Mx	-.002	1.5
40	MP4A	X	-3.21	5.25
41	MP4A	Z	5.561	5.25
42	MP4A	Mx	-.002	5.25
43	MP4B	X	-1.86	1.5
44	MP4B	Z	3.221	1.5
45	MP4B	Mx	-.002	1.5
46	MP4B	X	-1.86	5.25
47	MP4B	Z	3.221	5.25
48	MP4B	Mx	-.002	5.25
49	MP4C	X	-3.21	1.5
50	MP4C	Z	5.561	1.5
51	MP4C	Mx	.005	1.5
52	MP4C	X	-3.21	5.25
53	MP4C	Z	5.561	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP4C	Mx	.005	5.25
55	MP2A	X	-2.227	1.25
56	MP2A	Z	3.857	1.25
57	MP2A	Mx	.001	1.25
58	MP2A	X	-2.227	3.25
59	MP2A	Z	3.857	3.25
60	MP2A	Mx	.001	3.25
61	MP2B	X	-1.122	1.25
62	MP2B	Z	1.943	1.25
63	MP2B	Mx	-.001	1.25
64	MP2B	X	-1.122	3.25
65	MP2B	Z	1.943	3.25
66	MP2B	Mx	-.001	3.25
67	MP2C	X	-2.227	1.25
68	MP2C	Z	3.857	1.25
69	MP2C	Mx	.001	1.25
70	MP2C	X	-2.227	3.25
71	MP2C	Z	3.857	3.25
72	MP2C	Mx	.001	3.25
73	MP3A	X	-1.933	2.75
74	MP3A	Z	3.348	2.75
75	MP3A	Mx	-.000644	2.75
76	MP3B	X	-1.413	2.75
77	MP3B	Z	2.448	2.75
78	MP3B	Mx	.000942	2.75
79	MP3C	X	-1.933	2.75
80	MP3C	Z	3.348	2.75
81	MP3C	Mx	-.000644	2.75
82	MP4A	X	-1.899	2.75
83	MP4A	Z	3.289	2.75
84	MP4A	Mx	-.000633	2.75
85	MP4B	X	-1.277	2.75
86	MP4B	Z	2.213	2.75
87	MP4B	Mx	.000852	2.75
88	MP4C	X	-1.899	2.75
89	MP4C	Z	3.289	2.75
90	MP4C	Mx	-.000633	2.75
91	OVP1	X	-4.05	.5
92	OVP1	Z	7.014	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-3.275	.5
95	OVP2	Z	5.673	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-.396	4
98	MP4B	Z	.685	4
99	MP4B	Mx	.000396	4
100	MP4B	X	-.396	4
101	MP4B	Z	.685	4
102	MP4B	Mx	-.000198	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.713	1.5
2	MP1A	Z	2.144	1.5
3	MP1A	Mx	.002	1.5
4	MP1A	X	-3.713	5.25
5	MP1A	Z	2.144	5.25
6	MP1A	Mx	.002	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP1B	X	-4.958	1.5
8	MP1B	Z	2.862	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	-4.958	5.25
11	MP1B	Z	2.862	5.25
12	MP1B	Mx	-.002	5.25
13	MP1C	X	-6.485	1.5
14	MP1C	Z	3.744	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	-6.485	5.25
17	MP1C	Z	3.744	5.25
18	MP1C	Mx	0	5.25
19	MP4A	X	-4.958	1.5
20	MP4A	Z	2.862	1.5
21	MP4A	Mx	.000719	1.5
22	MP4A	X	-4.958	5.25
23	MP4A	Z	2.862	5.25
24	MP4A	Mx	.000719	5.25
25	MP4B	X	-4.958	1.5
26	MP4B	Z	2.862	1.5
27	MP4B	Mx	.000719	1.5
28	MP4B	X	-4.958	5.25
29	MP4B	Z	2.862	5.25
30	MP4B	Mx	.000719	5.25
31	MP4C	X	-6.485	1.5
32	MP4C	Z	3.744	1.5
33	MP4C	Mx	-.004	1.5
34	MP4C	X	-6.485	5.25
35	MP4C	Z	3.744	5.25
36	MP4C	Mx	-.004	5.25
37	MP4A	X	-3.713	1.5
38	MP4A	Z	2.144	1.5
39	MP4A	Mx	.000606	1.5
40	MP4A	X	-3.713	5.25
41	MP4A	Z	2.144	5.25
42	MP4A	Mx	.000606	5.25
43	MP4B	X	-4.958	1.5
44	MP4B	Z	2.862	1.5
45	MP4B	Mx	-.004	1.5
46	MP4B	X	-4.958	5.25
47	MP4B	Z	2.862	5.25
48	MP4B	Mx	-.004	5.25
49	MP4C	X	-6.485	1.5
50	MP4C	Z	3.744	1.5
51	MP4C	Mx	.004	1.5
52	MP4C	X	-6.485	5.25
53	MP4C	Z	3.744	5.25
54	MP4C	Mx	.004	5.25
55	MP2A	X	-2.345	1.25
56	MP2A	Z	1.354	1.25
57	MP2A	Mx	.001	1.25
58	MP2A	X	-2.345	3.25
59	MP2A	Z	1.354	3.25
60	MP2A	Mx	.001	3.25
61	MP2B	X	-3.364	1.25
62	MP2B	Z	1.942	1.25
63	MP2B	Mx	-.001	1.25
64	MP2B	X	-3.364	3.25
65	MP2B	Z	1.942	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2B	Mx	-.001	3.25
67	MP2C	X	-4.613	1.25
68	MP2C	Z	2.664	1.25
69	MP2C	Mx	0	1.25
70	MP2C	X	-4.613	3.25
71	MP2C	Z	2.664	3.25
72	MP2C	Mx	0	3.25
73	MP3A	X	-2.748	2.75
74	MP3A	Z	1.587	2.75
75	MP3A	Mx	-.000916	2.75
76	MP3B	X	-2.748	2.75
77	MP3B	Z	1.587	2.75
78	MP3B	Mx	.000916	2.75
79	MP3C	X	-3.648	2.75
80	MP3C	Z	2.106	2.75
81	MP3C	Mx	0	2.75
82	MP4A	X	-2.571	2.75
83	MP4A	Z	1.485	2.75
84	MP4A	Mx	-.000857	2.75
85	MP4B	X	-2.571	2.75
86	MP4B	Z	1.485	2.75
87	MP4B	Mx	.000857	2.75
88	MP4C	X	-3.648	2.75
89	MP4C	Z	2.106	2.75
90	MP4C	Mx	0	2.75
91	OVP1	X	-7.461	.5
92	OVP1	Z	4.308	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-6.12	.5
95	OVP2	Z	3.533	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-1.079	4
98	MP4B	Z	.623	4
99	MP4B	Mx	.00054	4
100	MP4B	X	-1.079	4
101	MP4B	Z	.623	4
102	MP4B	Mx	-.00027	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.221	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.002	1.5
4	MP1A	X	-3.221	5.25
5	MP1A	Z	0	5.25
6	MP1A	Mx	.002	5.25
7	MP1B	X	-7.359	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.000639	1.5
10	MP1B	X	-7.359	5.25
11	MP1B	Z	0	5.25
12	MP1B	Mx	-.000639	5.25
13	MP1C	X	-6.421	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	-6.421	5.25
17	MP1C	Z	0	5.25
18	MP1C	Mx	-.002	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP4A	X	-7.359	1.5
20	MP4A	Z	0	1.5
21	MP4A	Mx	.004	1.5
22	MP4A	X	-7.359	5.25
23	MP4A	Z	0	5.25
24	MP4A	Mx	.004	5.25
25	MP4B	X	-7.359	1.5
26	MP4B	Z	0	1.5
27	MP4B	Mx	.004	1.5
28	MP4B	X	-7.359	5.25
29	MP4B	Z	0	5.25
30	MP4B	Mx	.004	5.25
31	MP4C	X	-6.421	1.5
32	MP4C	Z	0	1.5
33	MP4C	Mx	-.005	1.5
34	MP4C	X	-6.421	5.25
35	MP4C	Z	0	5.25
36	MP4C	Mx	-.005	5.25
37	MP4A	X	-3.221	1.5
38	MP4A	Z	0	1.5
39	MP4A	Mx	.002	1.5
40	MP4A	X	-3.221	5.25
41	MP4A	Z	0	5.25
42	MP4A	Mx	.002	5.25
43	MP4B	X	-7.359	1.5
44	MP4B	Z	0	1.5
45	MP4B	Mx	-.005	1.5
46	MP4B	X	-7.359	5.25
47	MP4B	Z	0	5.25
48	MP4B	Mx	-.005	5.25
49	MP4C	X	-6.421	1.5
50	MP4C	Z	0	1.5
51	MP4C	Mx	.002	1.5
52	MP4C	X	-6.421	5.25
53	MP4C	Z	0	5.25
54	MP4C	Mx	.002	5.25
55	MP2A	X	-1.835	1.25
56	MP2A	Z	0	1.25
57	MP2A	Mx	.000918	1.25
58	MP2A	X	-1.835	3.25
59	MP2A	Z	0	3.25
60	MP2A	Mx	.000918	3.25
61	MP2B	X	-5.222	1.25
62	MP2B	Z	0	1.25
63	MP2B	Mx	-.000453	1.25
64	MP2B	X	-5.222	3.25
65	MP2B	Z	0	3.25
66	MP2B	Mx	-.000453	3.25
67	MP2C	X	-4.454	1.25
68	MP2C	Z	0	1.25
69	MP2C	Mx	-.001	1.25
70	MP2C	X	-4.454	3.25
71	MP2C	Z	0	3.25
72	MP2C	Mx	-.001	3.25
73	MP3A	X	-2.827	2.75
74	MP3A	Z	0	2.75
75	MP3A	Mx	-.000942	2.75
76	MP3B	X	-3.866	2.75
77	MP3B	Z	0	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP3B	Mx	.000644	2.75
79	MP3C	X	-3.866	2.75
80	MP3C	Z	0	2.75
81	MP3C	Mx	.000644	2.75
82	MP4A	X	-2.555	2.75
83	MP4A	Z	0	2.75
84	MP4A	Mx	-.000852	2.75
85	MP4B	X	-3.798	2.75
86	MP4B	Z	0	2.75
87	MP4B	Mx	.000633	2.75
88	MP4C	X	-3.798	2.75
89	MP4C	Z	0	2.75
90	MP4C	Mx	.000633	2.75
91	OVP1	X	-8.099	.5
92	OVP1	Z	0	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-8.099	.5
95	OVP2	Z	0	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-2.155	4
98	MP4B	Z	0	4
99	MP4B	Mx	.000539	4
100	MP4B	X	-2.155	4
101	MP4B	Z	0	4
102	MP4B	Mx	-.000269	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.713	1.5
2	MP1A	Z	-2.144	1.5
3	MP1A	Mx	.002	1.5
4	MP1A	X	-3.713	5.25
5	MP1A	Z	-2.144	5.25
6	MP1A	Mx	.002	5.25
7	MP1B	X	-6.052	1.5
8	MP1B	Z	-3.494	1.5
9	MP1B	Mx	.001	1.5
10	MP1B	X	-6.052	5.25
11	MP1B	Z	-3.494	5.25
12	MP1B	Mx	.001	5.25
13	MP1C	X	-3.713	1.5
14	MP1C	Z	-2.144	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	-3.713	5.25
17	MP1C	Z	-2.144	5.25
18	MP1C	Mx	-.002	5.25
19	MP4A	X	-6.052	1.5
20	MP4A	Z	-3.494	1.5
21	MP4A	Mx	.005	1.5
22	MP4A	X	-6.052	5.25
23	MP4A	Z	-3.494	5.25
24	MP4A	Mx	.005	5.25
25	MP4B	X	-6.052	1.5
26	MP4B	Z	-3.494	1.5
27	MP4B	Mx	.005	1.5
28	MP4B	X	-6.052	5.25
29	MP4B	Z	-3.494	5.25
30	MP4B	Mx	.005	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP4C	X	-3.713	1.5
32	MP4C	Z	-2.144	1.5
33	MP4C	Mx	-.003	1.5
34	MP4C	X	-3.713	5.25
35	MP4C	Z	-2.144	5.25
36	MP4C	Mx	-.003	5.25
37	MP4A	X	-3.713	1.5
38	MP4A	Z	-2.144	1.5
39	MP4A	Mx	.003	1.5
40	MP4A	X	-3.713	5.25
41	MP4A	Z	-2.144	5.25
42	MP4A	Mx	.003	5.25
43	MP4B	X	-6.052	1.5
44	MP4B	Z	-3.494	1.5
45	MP4B	Mx	-.003	1.5
46	MP4B	X	-6.052	5.25
47	MP4B	Z	-3.494	5.25
48	MP4B	Mx	-.003	5.25
49	MP4C	X	-3.713	1.5
50	MP4C	Z	-2.144	1.5
51	MP4C	Mx	-.000606	1.5
52	MP4C	X	-3.713	5.25
53	MP4C	Z	-2.144	5.25
54	MP4C	Mx	-.000606	5.25
55	MP2A	X	-2.345	1.25
56	MP2A	Z	-1.354	1.25
57	MP2A	Mx	.001	1.25
58	MP2A	X	-2.345	3.25
59	MP2A	Z	-1.354	3.25
60	MP2A	Mx	.001	3.25
61	MP2B	X	-4.26	1.25
62	MP2B	Z	-2.459	1.25
63	MP2B	Mx	.000841	1.25
64	MP2B	X	-4.26	3.25
65	MP2B	Z	-2.459	3.25
66	MP2B	Mx	.000841	3.25
67	MP2C	X	-2.345	1.25
68	MP2C	Z	-1.354	1.25
69	MP2C	Mx	-.001	1.25
70	MP2C	X	-2.345	3.25
71	MP2C	Z	-1.354	3.25
72	MP2C	Mx	-.001	3.25
73	MP3A	X	-2.748	2.75
74	MP3A	Z	-1.587	2.75
75	MP3A	Mx	-.000916	2.75
76	MP3B	X	-3.648	2.75
77	MP3B	Z	-2.106	2.75
78	MP3B	Mx	0	2.75
79	MP3C	X	-2.748	2.75
80	MP3C	Z	-1.587	2.75
81	MP3C	Mx	.000916	2.75
82	MP4A	X	-2.571	2.75
83	MP4A	Z	-1.485	2.75
84	MP4A	Mx	-.000857	2.75
85	MP4B	X	-3.648	2.75
86	MP4B	Z	-2.106	2.75
87	MP4B	Mx	0	2.75
88	MP4C	X	-2.571	2.75
89	MP4C	Z	-1.485	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4C	Mx	.000857	2.75
91	OVP1	X	-6.12	.5
92	OVP1	Z	-3.533	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-7.461	.5
95	OVP2	Z	-4.308	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-2.26	4
98	MP4B	Z	-1.305	4
99	MP4B	Mx	0	4
100	MP4B	X	-2.26	4
101	MP4B	Z	-1.305	4
102	MP4B	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.21	1.5
2	MP1A	Z	-5.561	1.5
3	MP1A	Mx	.002	1.5
4	MP1A	X	-3.21	5.25
5	MP1A	Z	-5.561	5.25
6	MP1A	Mx	.002	5.25
7	MP1B	X	-2.492	1.5
8	MP1B	Z	-4.316	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	-2.492	5.25
11	MP1B	Z	-4.316	5.25
12	MP1B	Mx	.002	5.25
13	MP1C	X	-1.61	1.5
14	MP1C	Z	-2.789	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	-1.61	5.25
17	MP1C	Z	-2.789	5.25
18	MP1C	Mx	-.002	5.25
19	MP4A	X	-2.492	1.5
20	MP4A	Z	-4.316	1.5
21	MP4A	Mx	.004	1.5
22	MP4A	X	-2.492	5.25
23	MP4A	Z	-4.316	5.25
24	MP4A	Mx	.004	5.25
25	MP4B	X	-2.492	1.5
26	MP4B	Z	-4.316	1.5
27	MP4B	Mx	.004	1.5
28	MP4B	X	-2.492	5.25
29	MP4B	Z	-4.316	5.25
30	MP4B	Mx	.004	5.25
31	MP4C	X	-1.61	1.5
32	MP4C	Z	-2.789	1.5
33	MP4C	Mx	-.002	1.5
34	MP4C	X	-1.61	5.25
35	MP4C	Z	-2.789	5.25
36	MP4C	Mx	-.002	5.25
37	MP4A	X	-3.21	1.5
38	MP4A	Z	-5.561	1.5
39	MP4A	Mx	.005	1.5
40	MP4A	X	-3.21	5.25
41	MP4A	Z	-5.561	5.25
42	MP4A	Mx	.005	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP4B	X	-2.492	1.5
44	MP4B	Z	-4.316	1.5
45	MP4B	Mx	4e-5	1.5
46	MP4B	X	-2.492	5.25
47	MP4B	Z	-4.316	5.25
48	MP4B	Mx	4e-5	5.25
49	MP4C	X	-1.61	1.5
50	MP4C	Z	-2.789	1.5
51	MP4C	Mx	-.002	1.5
52	MP4C	X	-1.61	5.25
53	MP4C	Z	-2.789	5.25
54	MP4C	Mx	-.002	5.25
55	MP2A	X	-2.227	1.25
56	MP2A	Z	-3.857	1.25
57	MP2A	Mx	.001	1.25
58	MP2A	X	-2.227	3.25
59	MP2A	Z	-3.857	3.25
60	MP2A	Mx	.001	3.25
61	MP2B	X	-1.639	1.25
62	MP2B	Z	-2.838	1.25
63	MP2B	Mx	.001	1.25
64	MP2B	X	-1.639	3.25
65	MP2B	Z	-2.838	3.25
66	MP2B	Mx	.001	3.25
67	MP2C	X	-.917	1.25
68	MP2C	Z	-1.589	1.25
69	MP2C	Mx	-.000917	1.25
70	MP2C	X	-.917	3.25
71	MP2C	Z	-1.589	3.25
72	MP2C	Mx	-.000917	3.25
73	MP3A	X	-1.933	2.75
74	MP3A	Z	-3.348	2.75
75	MP3A	Mx	-.000644	2.75
76	MP3B	X	-1.933	2.75
77	MP3B	Z	-3.348	2.75
78	MP3B	Mx	-.000644	2.75
79	MP3C	X	-1.413	2.75
80	MP3C	Z	-2.448	2.75
81	MP3C	Mx	.000942	2.75
82	MP4A	X	-1.899	2.75
83	MP4A	Z	-3.289	2.75
84	MP4A	Mx	-.000633	2.75
85	MP4B	X	-1.899	2.75
86	MP4B	Z	-3.289	2.75
87	MP4B	Mx	-.000633	2.75
88	MP4C	X	-1.277	2.75
89	MP4C	Z	-2.213	2.75
90	MP4C	Mx	.000852	2.75
91	OVP1	X	-3.275	.5
92	OVP1	Z	-5.673	.5
93	OVP1	Mx	0	.5
94	OVP2	X	-4.05	.5
95	OVP2	Z	-7.014	.5
96	OVP2	Mx	0	.5
97	MP4B	X	-1.077	4
98	MP4B	Z	-1.866	4
99	MP4B	Mx	-.000539	4
100	MP4B	X	-1.077	4
101	MP4B	Z	-1.866	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP4B	Mx	.000269	4

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M36	Y	-500	%100

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M40A	Y	-500	%100

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M15	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-.892	1.5
2	MP1A	My	-.000446	1.5
3	MP1A	Mz	0	1.5
4	MP1A	Y	-.892	5.25
5	MP1A	My	-.000446	5.25
6	MP1A	Mz	0	5.25
7	MP1B	Y	-.892	1.5
8	MP1B	My	7.7e-5	1.5
9	MP1B	Mz	-.000439	1.5
10	MP1B	Y	-.892	5.25
11	MP1B	My	7.7e-5	5.25
12	MP1B	Mz	-.000439	5.25
13	MP1C	Y	-.892	1.5
14	MP1C	My	.000223	1.5
15	MP1C	Mz	.000386	1.5
16	MP1C	Y	-.892	5.25
17	MP1C	My	.000223	5.25
18	MP1C	Mz	.000386	5.25
19	MP4A	Y	-.892	1.5
20	MP4A	My	-.000435	1.5
21	MP4A	Mz	-.000529	1.5
22	MP4A	Y	-.892	5.25
23	MP4A	My	-.000435	5.25
24	MP4A	Mz	-.000529	5.25
25	MP4B	Y	-.892	1.5
26	MP4B	My	-.000435	1.5
27	MP4B	Mz	-.000529	1.5
28	MP4B	Y	-.892	5.25
29	MP4B	My	-.000435	5.25
30	MP4B	Mz	-.000529	5.25
31	MP4C	Y	-.892	1.5
32	MP4C	My	.000673	1.5
33	MP4C	Mz	.000126	1.5
34	MP4C	Y	-.892	5.25
35	MP4C	My	.000673	5.25
36	MP4C	Mz	.000126	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP4A	Y	-.892	1.5
38	MP4A	My	-.000446	1.5
39	MP4A	Mz	-.00052	1.5
40	MP4A	Y	-.892	5.25
41	MP4A	My	-.000446	5.25
42	MP4A	Mz	-.00052	5.25
43	MP4B	Y	-.892	1.5
44	MP4B	My	.00059	1.5
45	MP4B	Mz	-.000349	1.5
46	MP4B	Y	-.892	5.25
47	MP4B	My	.00059	5.25
48	MP4B	Mz	-.000349	5.25
49	MP4C	Y	-.892	1.5
50	MP4C	My	-.000228	1.5
51	MP4C	Mz	.000646	1.5
52	MP4C	Y	-.892	5.25
53	MP4C	My	-.000228	5.25
54	MP4C	Mz	.000646	5.25
55	MP2A	Y	-1.942	1.25
56	MP2A	My	-.000971	1.25
57	MP2A	Mz	0	1.25
58	MP2A	Y	-1.942	3.25
59	MP2A	My	-.000971	3.25
60	MP2A	Mz	0	3.25
61	MP2B	Y	-1.942	1.25
62	MP2B	My	.000169	1.25
63	MP2B	Mz	-.000956	1.25
64	MP2B	Y	-1.942	3.25
65	MP2B	My	.000169	3.25
66	MP2B	Mz	-.000956	3.25
67	MP2C	Y	-1.942	1.25
68	MP2C	My	.000485	1.25
69	MP2C	Mz	.000841	1.25
70	MP2C	Y	-1.942	3.25
71	MP2C	My	.000485	3.25
72	MP2C	Mz	.000841	3.25
73	MP3A	Y	-3.331	2.75
74	MP3A	My	.001	2.75
75	MP3A	Mz	0	2.75
76	MP3B	Y	-3.331	2.75
77	MP3B	My	-.000555	2.75
78	MP3B	Mz	.000961	2.75
79	MP3C	Y	-3.331	2.75
80	MP3C	My	-.000555	2.75
81	MP3C	Mz	-.000961	2.75
82	MP4A	Y	-3.134	2.75
83	MP4A	My	.001	2.75
84	MP4A	Mz	0	2.75
85	MP4B	Y	-3.134	2.75
86	MP4B	My	-.000522	2.75
87	MP4B	Mz	.000905	2.75
88	MP4C	Y	-3.134	2.75
89	MP4C	My	-.000522	2.75
90	MP4C	Mz	-.000905	2.75
91	OVP1	Y	-1.427	.5
92	OVP1	My	0	.5
93	OVP1	Mz	0	.5
94	OVP2	Y	-1.427	.5
95	OVP2	My	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	OVP2	Mz	0	.5
97	MP4B	Y	-.785	4
98	MP4B	My	-.000196	4
99	MP4B	Mz	.00034	4
100	MP4B	Y	-.785	4
101	MP4B	My	9.8e-5	4
102	MP4B	Mz	-.00017	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Z	-2.229	1.5
2	MP1A	Mx	0	1.5
3	MP1A	Z	-2.229	5.25
4	MP1A	Mx	0	5.25
5	MP1B	Z	-2.229	1.5
6	MP1B	Mx	.001	1.5
7	MP1B	Z	-2.229	5.25
8	MP1B	Mx	.001	5.25
9	MP1C	Z	-2.229	1.5
10	MP1C	Mx	-.000965	1.5
11	MP1C	Z	-2.229	5.25
12	MP1C	Mx	-.000965	5.25
13	MP4A	Z	-2.229	1.5
14	MP4A	Mx	.001	1.5
15	MP4A	Z	-2.229	5.25
16	MP4A	Mx	.001	5.25
17	MP4B	Z	-2.229	1.5
18	MP4B	Mx	.001	1.5
19	MP4B	Z	-2.229	5.25
20	MP4B	Mx	.001	5.25
21	MP4C	Z	-2.229	1.5
22	MP4C	Mx	-.000315	1.5
23	MP4C	Z	-2.229	5.25
24	MP4C	Mx	-.000315	5.25
25	MP4A	Z	-2.229	1.5
26	MP4A	Mx	.001	1.5
27	MP4A	Z	-2.229	5.25
28	MP4A	Mx	.001	5.25
29	MP4B	Z	-2.229	1.5
30	MP4B	Mx	.000872	1.5
31	MP4B	Z	-2.229	5.25
32	MP4B	Mx	.000872	5.25
33	MP4C	Z	-2.229	1.5
34	MP4C	Mx	-.002	1.5
35	MP4C	Z	-2.229	5.25
36	MP4C	Mx	-.002	5.25
37	MP2A	Z	-4.854	1.25
38	MP2A	Mx	0	1.25
39	MP2A	Z	-4.854	3.25
40	MP2A	Mx	0	3.25
41	MP2B	Z	-4.854	1.25
42	MP2B	Mx	.002	1.25
43	MP2B	Z	-4.854	3.25
44	MP2B	Mx	.002	3.25
45	MP2C	Z	-4.854	1.25
46	MP2C	Mx	-.002	1.25
47	MP2C	Z	-4.854	3.25
48	MP2C	Mx	-.002	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3A	Z	-8.327	2.75
50	MP3A	Mx	0	2.75
51	MP3B	Z	-8.327	2.75
52	MP3B	Mx	-.002	2.75
53	MP3C	Z	-8.327	2.75
54	MP3C	Mx	.002	2.75
55	MP4A	Z	-7.836	2.75
56	MP4A	Mx	0	2.75
57	MP4B	Z	-7.836	2.75
58	MP4B	Mx	-.002	2.75
59	MP4C	Z	-7.836	2.75
60	MP4C	Mx	.002	2.75
61	OVP1	Z	-3.567	.5
62	OVP1	Mx	0	.5
63	OVP2	Z	-3.567	.5
64	OVP2	Mx	0	.5
65	MP4B	Z	-1.962	4
66	MP4B	Mx	-.000849	4
67	MP4B	Z	-1.962	4
68	MP4B	Mx	.000425	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.229	1.5
2	MP1A	Mx	-.001	1.5
3	MP1A	X	2.229	5.25
4	MP1A	Mx	-.001	5.25
5	MP1B	X	2.229	1.5
6	MP1B	Mx	.000194	1.5
7	MP1B	X	2.229	5.25
8	MP1B	Mx	.000194	5.25
9	MP1C	X	2.229	1.5
10	MP1C	Mx	.000557	1.5
11	MP1C	X	2.229	5.25
12	MP1C	Mx	.000557	5.25
13	MP4A	X	2.229	1.5
14	MP4A	Mx	-.001	1.5
15	MP4A	X	2.229	5.25
16	MP4A	Mx	-.001	5.25
17	MP4B	X	2.229	1.5
18	MP4B	Mx	-.001	1.5
19	MP4B	X	2.229	5.25
20	MP4B	Mx	-.001	5.25
21	MP4C	X	2.229	1.5
22	MP4C	Mx	.002	1.5
23	MP4C	X	2.229	5.25
24	MP4C	Mx	.002	5.25
25	MP4A	X	2.229	1.5
26	MP4A	Mx	-.001	1.5
27	MP4A	X	2.229	5.25
28	MP4A	Mx	-.001	5.25
29	MP4B	X	2.229	1.5
30	MP4B	Mx	.001	1.5
31	MP4B	X	2.229	5.25
32	MP4B	Mx	.001	5.25
33	MP4C	X	2.229	1.5
34	MP4C	Mx	-.000569	1.5
35	MP4C	X	2.229	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP4C	Mx	-.000569	5.25
37	MP2A	X	4.854	1.25
38	MP2A	Mx	-.002	1.25
39	MP2A	X	4.854	3.25
40	MP2A	Mx	-.002	3.25
41	MP2B	X	4.854	1.25
42	MP2B	Mx	.000421	1.25
43	MP2B	X	4.854	3.25
44	MP2B	Mx	.000421	3.25
45	MP2C	X	4.854	1.25
46	MP2C	Mx	.001	1.25
47	MP2C	X	4.854	3.25
48	MP2C	Mx	.001	3.25
49	MP3A	X	8.327	2.75
50	MP3A	Mx	.003	2.75
51	MP3B	X	8.327	2.75
52	MP3B	Mx	-.001	2.75
53	MP3C	X	8.327	2.75
54	MP3C	Mx	-.001	2.75
55	MP4A	X	7.836	2.75
56	MP4A	Mx	.003	2.75
57	MP4B	X	7.836	2.75
58	MP4B	Mx	-.001	2.75
59	MP4C	X	7.836	2.75
60	MP4C	Mx	-.001	2.75
61	OVP1	X	3.567	.5
62	OVP1	Mx	0	.5
63	OVP2	X	3.567	.5
64	OVP2	Mx	0	.5
65	MP4B	X	1.962	4
66	MP4B	Mx	-.00049	4
67	MP4B	X	1.962	4
68	MP4B	Mx	.000245	4

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-6.645	-6.645	0	%100
2	M3	Y	-6.645	-6.645	0	%100
3	M5	Y	-6.645	-6.645	0	%100
4	M13	Y	-6.645	-6.645	0	%100
5	M15	Y	-6.645	-6.645	0	%100
6	M17	Y	-6.645	-6.645	0	%100
7	M25	Y	-6.645	-6.645	0	%100
8	M27	Y	-6.645	-6.645	0	%100
9	M29	Y	-6.645	-6.645	0	%100
10	M37	Y	-10.252	-10.252	0	%100
11	M38	Y	-10.252	-10.252	0	%100
12	M39	Y	-10.252	-10.252	0	%100
13	M40	Y	-7.703	-7.703	0	%100
14	M41	Y	-7.703	-7.703	0	%100
15	M42	Y	-7.703	-7.703	0	%100
16	M43	Y	-7.703	-7.703	0	%100
17	M47	Y	-7.703	-7.703	0	%100
18	M51	Y	-7.703	-7.703	0	%100
19	MP1A	Y	-5.043	-5.043	0	%100
20	M109A	Y	-5.813	-5.813	0	%100
21	M110A	Y	-5.813	-5.813	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
22	M111	Y	-5.813	-5.813	0	%100
23	M112A	Y	-5.813	-5.813	0	%100
24	M113A	Y	-5.813	-5.813	0	%100
25	M114	Y	-5.813	-5.813	0	%100
26	MP2A	Y	-5.043	-5.043	0	%100
27	MP3A	Y	-5.043	-5.043	0	%100
28	MP4A	Y	-5.043	-5.043	0	%100
29	MP1C	Y	-5.043	-5.043	0	%100
30	MP2C	Y	-5.043	-5.043	0	%100
31	MP3C	Y	-5.043	-5.043	0	%100
32	MP4C	Y	-5.043	-5.043	0	%100
33	MP1B	Y	-5.043	-5.043	0	%100
34	MP2B	Y	-5.043	-5.043	0	%100
35	MP3B	Y	-5.043	-5.043	0	%100
36	MP4B	Y	-5.043	-5.043	0	%100
37	OVP1	Y	-5.043	-5.043	0	%100
38	OVP2	Y	-5.043	-5.043	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-12.148	-12.148	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	-12.148	-12.148	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	-11.969	-11.969	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	-3.037	-3.037	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	-3.037	-3.037	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-2.992	-2.992	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	-3.037	-3.037	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	-3.037	-3.037	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	-2.992	-2.992	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	-6.523	-6.523	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	-6.523	-6.523	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	-26.091	-26.091	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	-9.531	-9.531	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	-9.531	-9.531	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	-8.686	-8.686	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	-8.686	-8.686	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-10.328	-10.328	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M109A	X	0	0	0	%100
40	M109A	Z	-.253	-.253	0	%100
41	M110A	X	0	0	0	%100
42	M110A	Z	-.422	-.422	0	%100
43	M111	X	0	0	0	%100
44	M111	Z	-7.808	-7.808	0	%100
45	M112A	X	0	0	0	%100
46	M112A	Z	-8.747	-8.747	0	%100
47	M113A	X	0	0	0	%100
48	M113A	Z	-5.248	-5.248	0	%100
49	M114	X	0	0	0	%100
50	M114	Z	-13.014	-13.014	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-10.328	-10.328	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-10.328	-10.328	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-10.328	-10.328	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	-10.328	-10.328	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	-10.328	-10.328	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	-10.328	-10.328	0	%100
63	MP4C	X	0	0	0	%100
64	MP4C	Z	-10.328	-10.328	0	%100
65	MP1B	X	0	0	0	%100
66	MP1B	Z	-10.328	-10.328	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	-10.328	-10.328	0	%100
69	MP3B	X	0	0	0	%100
70	MP3B	Z	-10.328	-10.328	0	%100
71	MP4B	X	0	0	0	%100
72	MP4B	Z	-10.328	-10.328	0	%100
73	OVP1	X	0	0	0	%100
74	OVP1	Z	-8.446	-8.446	0	%100
75	OVP2	X	0	0	0	%100
76	OVP2	Z	-8.446	-8.446	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.556	4.556	0	%100
2	M1	Z	-7.89	-7.89	0	%100
3	M3	X	4.556	4.556	0	%100
4	M3	Z	-7.89	-7.89	0	%100
5	M5	X	4.488	4.488	0	%100
6	M5	Z	-7.774	-7.774	0	%100
7	M13	X	4.556	4.556	0	%100
8	M13	Z	-7.89	-7.89	0	%100
9	M15	X	4.556	4.556	0	%100
10	M15	Z	-7.89	-7.89	0	%100
11	M17	X	4.488	4.488	0	%100
12	M17	Z	-7.774	-7.774	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M29	Z	0	0	0	%100
19	M37	X	9.784	9.784	0	%100
20	M37	Z	-16.947	-16.947	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	9.784	9.784	0	%100
24	M39	Z	-16.947	-16.947	0	%100
25	M40	X	1.589	1.589	0	%100
26	M40	Z	-2.751	-2.751	0	%100
27	M41	X	1.589	1.589	0	%100
28	M41	Z	-2.751	-2.751	0	%100
29	M42	X	6.354	6.354	0	%100
30	M42	Z	-11.006	-11.006	0	%100
31	M43	X	1.448	1.448	0	%100
32	M43	Z	-2.507	-2.507	0	%100
33	M47	X	1.448	1.448	0	%100
34	M47	Z	-2.507	-2.507	0	%100
35	M51	X	5.791	5.791	0	%100
36	M51	Z	-10.03	-10.03	0	%100
37	MP1A	X	5.164	5.164	0	%100
38	MP1A	Z	-8.944	-8.944	0	%100
39	M109A	X	.533	.533	0	%100
40	M109A	Z	-.922	-.922	0	%100
41	M110A	X	3.021	3.021	0	%100
42	M110A	Z	-5.232	-5.232	0	%100
43	M111	X	1.813	1.813	0	%100
44	M111	Z	-3.139	-3.139	0	%100
45	M112A	X	.888	.888	0	%100
46	M112A	Z	-1.537	-1.537	0	%100
47	M113A	X	4.31	4.31	0	%100
48	M113A	Z	-7.465	-7.465	0	%100
49	M114	X	7.183	7.183	0	%100
50	M114	Z	-12.442	-12.442	0	%100
51	MP2A	X	5.164	5.164	0	%100
52	MP2A	Z	-8.944	-8.944	0	%100
53	MP3A	X	5.164	5.164	0	%100
54	MP3A	Z	-8.944	-8.944	0	%100
55	MP4A	X	5.164	5.164	0	%100
56	MP4A	Z	-8.944	-8.944	0	%100
57	MP1C	X	5.164	5.164	0	%100
58	MP1C	Z	-8.944	-8.944	0	%100
59	MP2C	X	5.164	5.164	0	%100
60	MP2C	Z	-8.944	-8.944	0	%100
61	MP3C	X	5.164	5.164	0	%100
62	MP3C	Z	-8.944	-8.944	0	%100
63	MP4C	X	5.164	5.164	0	%100
64	MP4C	Z	-8.944	-8.944	0	%100
65	MP1B	X	5.164	5.164	0	%100
66	MP1B	Z	-8.944	-8.944	0	%100
67	MP2B	X	5.164	5.164	0	%100
68	MP2B	Z	-8.944	-8.944	0	%100
69	MP3B	X	5.164	5.164	0	%100
70	MP3B	Z	-8.944	-8.944	0	%100
71	MP4B	X	5.164	5.164	0	%100
72	MP4B	Z	-8.944	-8.944	0	%100
73	OVP1	X	4.223	4.223	0	%100
74	OVP1	Z	-7.314	-7.314	0	%100
75	OVP2	X	4.223	4.223	0	%100
76	OVP2	Z	-7.314	-7.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.63	2.63	0	%100
2	M1	Z	-1.519	-1.519	0	%100
3	M3	X	2.63	2.63	0	%100
4	M3	Z	-1.519	-1.519	0	%100
5	M5	X	2.591	2.591	0	%100
6	M5	Z	-1.496	-1.496	0	%100
7	M13	X	10.521	10.521	0	%100
8	M13	Z	-6.074	-6.074	0	%100
9	M15	X	10.521	10.521	0	%100
10	M15	Z	-6.074	-6.074	0	%100
11	M17	X	10.366	10.366	0	%100
12	M17	Z	-5.985	-5.985	0	%100
13	M25	X	2.63	2.63	0	%100
14	M25	Z	-1.519	-1.519	0	%100
15	M27	X	2.63	2.63	0	%100
16	M27	Z	-1.519	-1.519	0	%100
17	M29	X	2.591	2.591	0	%100
18	M29	Z	-1.496	-1.496	0	%100
19	M37	X	22.596	22.596	0	%100
20	M37	Z	-13.046	-13.046	0	%100
21	M38	X	5.649	5.649	0	%100
22	M38	Z	-3.261	-3.261	0	%100
23	M39	X	5.649	5.649	0	%100
24	M39	Z	-3.261	-3.261	0	%100
25	M40	X	8.254	8.254	0	%100
26	M40	Z	-4.766	-4.766	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	8.254	8.254	0	%100
30	M42	Z	-4.766	-4.766	0	%100
31	M43	X	7.522	7.522	0	%100
32	M43	Z	-4.343	-4.343	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	7.522	7.522	0	%100
36	M51	Z	-4.343	-4.343	0	%100
37	MP1A	X	8.944	8.944	0	%100
38	MP1A	Z	-5.164	-5.164	0	%100
39	M109A	X	4.545	4.545	0	%100
40	M109A	Z	-2.624	-2.624	0	%100
41	M110A	X	11.27	11.27	0	%100
42	M110A	Z	-6.507	-6.507	0	%100
43	M111	X	.219	.219	0	%100
44	M111	Z	-.127	-.127	0	%100
45	M112A	X	.366	.366	0	%100
46	M112A	Z	-.211	-.211	0	%100
47	M113A	X	6.762	6.762	0	%100
48	M113A	Z	-3.904	-3.904	0	%100
49	M114	X	7.575	7.575	0	%100
50	M114	Z	-4.374	-4.374	0	%100
51	MP2A	X	8.944	8.944	0	%100
52	MP2A	Z	-5.164	-5.164	0	%100
53	MP3A	X	8.944	8.944	0	%100
54	MP3A	Z	-5.164	-5.164	0	%100
55	MP4A	X	8.944	8.944	0	%100
56	MP4A	Z	-5.164	-5.164	0	%100
57	MP1C	X	8.944	8.944	0	%100
58	MP1C	Z	-5.164	-5.164	0	%100
59	MP2C	X	8.944	8.944	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP2C	Z	-5.164	-5.164	0	%100
61	MP3C	X	8.944	8.944	0	%100
62	MP3C	Z	-5.164	-5.164	0	%100
63	MP4C	X	8.944	8.944	0	%100
64	MP4C	Z	-5.164	-5.164	0	%100
65	MP1B	X	8.944	8.944	0	%100
66	MP1B	Z	-5.164	-5.164	0	%100
67	MP2B	X	8.944	8.944	0	%100
68	MP2B	Z	-5.164	-5.164	0	%100
69	MP3B	X	8.944	8.944	0	%100
70	MP3B	Z	-5.164	-5.164	0	%100
71	MP4B	X	8.944	8.944	0	%100
72	MP4B	Z	-5.164	-5.164	0	%100
73	OVP1	X	7.314	7.314	0	%100
74	OVP1	Z	-4.223	-4.223	0	%100
75	OVP2	X	7.314	7.314	0	%100
76	OVP2	Z	-4.223	-4.223	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M13	X	9.111	9.111	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	9.111	9.111	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	8.977	8.977	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	9.111	9.111	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	9.111	9.111	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	8.977	8.977	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	19.569	19.569	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	19.569	19.569	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	0	0	0	%100
25	M40	X	12.709	12.709	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	3.177	3.177	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	3.177	3.177	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	11.581	11.581	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	2.895	2.895	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	2.895	2.895	0	%100
36	M51	Z	0	0	0	%100
37	MP1A	X	10.328	10.328	0	%100
38	MP1A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M109A	X	8.62	8.62	0	%100
40	M109A	Z	0	0	0	%100
41	M110A	X	14.367	14.367	0	%100
42	M110A	Z	0	0	0	%100
43	M111	X	1.065	1.065	0	%100
44	M111	Z	0	0	0	%100
45	M112A	X	6.042	6.042	0	%100
46	M112A	Z	0	0	0	%100
47	M113A	X	3.625	3.625	0	%100
48	M113A	Z	0	0	0	%100
49	M114	X	1.775	1.775	0	%100
50	M114	Z	0	0	0	%100
51	MP2A	X	10.328	10.328	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	10.328	10.328	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	10.328	10.328	0	%100
56	MP4A	Z	0	0	0	%100
57	MP1C	X	10.328	10.328	0	%100
58	MP1C	Z	0	0	0	%100
59	MP2C	X	10.328	10.328	0	%100
60	MP2C	Z	0	0	0	%100
61	MP3C	X	10.328	10.328	0	%100
62	MP3C	Z	0	0	0	%100
63	MP4C	X	10.328	10.328	0	%100
64	MP4C	Z	0	0	0	%100
65	MP1B	X	10.328	10.328	0	%100
66	MP1B	Z	0	0	0	%100
67	MP2B	X	10.328	10.328	0	%100
68	MP2B	Z	0	0	0	%100
69	MP3B	X	10.328	10.328	0	%100
70	MP3B	Z	0	0	0	%100
71	MP4B	X	10.328	10.328	0	%100
72	MP4B	Z	0	0	0	%100
73	OVP1	X	8.446	8.446	0	%100
74	OVP1	Z	0	0	0	%100
75	OVP2	X	8.446	8.446	0	%100
76	OVP2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.63	2.63	0	%100
2	M1	Z	1.519	1.519	0	%100
3	M3	X	2.63	2.63	0	%100
4	M3	Z	1.519	1.519	0	%100
5	M5	X	2.591	2.591	0	%100
6	M5	Z	1.496	1.496	0	%100
7	M13	X	2.63	2.63	0	%100
8	M13	Z	1.519	1.519	0	%100
9	M15	X	2.63	2.63	0	%100
10	M15	Z	1.519	1.519	0	%100
11	M17	X	2.591	2.591	0	%100
12	M17	Z	1.496	1.496	0	%100
13	M25	X	10.521	10.521	0	%100
14	M25	Z	6.074	6.074	0	%100
15	M27	X	10.521	10.521	0	%100
16	M27	Z	6.074	6.074	0	%100
17	M29	X	10.366	10.366	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M29	Z	5.985	5.985	0	%100
19	M37	X	5.649	5.649	0	%100
20	M37	Z	3.261	3.261	0	%100
21	M38	X	22.596	22.596	0	%100
22	M38	Z	13.046	13.046	0	%100
23	M39	X	5.649	5.649	0	%100
24	M39	Z	3.261	3.261	0	%100
25	M40	X	8.254	8.254	0	%100
26	M40	Z	4.766	4.766	0	%100
27	M41	X	8.254	8.254	0	%100
28	M41	Z	4.766	4.766	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	7.522	7.522	0	%100
32	M43	Z	4.343	4.343	0	%100
33	M47	X	7.522	7.522	0	%100
34	M47	Z	4.343	4.343	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	0	0	0	%100
37	MP1A	X	8.944	8.944	0	%100
38	MP1A	Z	5.164	5.164	0	%100
39	M109A	X	6.762	6.762	0	%100
40	M109A	Z	3.904	3.904	0	%100
41	M110A	X	7.575	7.575	0	%100
42	M110A	Z	4.374	4.374	0	%100
43	M111	X	4.545	4.545	0	%100
44	M111	Z	2.624	2.624	0	%100
45	M112A	X	11.27	11.27	0	%100
46	M112A	Z	6.507	6.507	0	%100
47	M113A	X	.219	.219	0	%100
48	M113A	Z	.127	.127	0	%100
49	M114	X	.366	.366	0	%100
50	M114	Z	.211	.211	0	%100
51	MP2A	X	8.944	8.944	0	%100
52	MP2A	Z	5.164	5.164	0	%100
53	MP3A	X	8.944	8.944	0	%100
54	MP3A	Z	5.164	5.164	0	%100
55	MP4A	X	8.944	8.944	0	%100
56	MP4A	Z	5.164	5.164	0	%100
57	MP1C	X	8.944	8.944	0	%100
58	MP1C	Z	5.164	5.164	0	%100
59	MP2C	X	8.944	8.944	0	%100
60	MP2C	Z	5.164	5.164	0	%100
61	MP3C	X	8.944	8.944	0	%100
62	MP3C	Z	5.164	5.164	0	%100
63	MP4C	X	8.944	8.944	0	%100
64	MP4C	Z	5.164	5.164	0	%100
65	MP1B	X	8.944	8.944	0	%100
66	MP1B	Z	5.164	5.164	0	%100
67	MP2B	X	8.944	8.944	0	%100
68	MP2B	Z	5.164	5.164	0	%100
69	MP3B	X	8.944	8.944	0	%100
70	MP3B	Z	5.164	5.164	0	%100
71	MP4B	X	8.944	8.944	0	%100
72	MP4B	Z	5.164	5.164	0	%100
73	OVP1	X	7.314	7.314	0	%100
74	OVP1	Z	4.223	4.223	0	%100
75	OVP2	X	7.314	7.314	0	%100
76	OVP2	Z	4.223	4.223	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.556	4.556	0	%100
2	M1	Z	7.89	7.89	0	%100
3	M3	X	4.556	4.556	0	%100
4	M3	Z	7.89	7.89	0	%100
5	M5	X	4.488	4.488	0	%100
6	M5	Z	7.774	7.774	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	4.556	4.556	0	%100
14	M25	Z	7.89	7.89	0	%100
15	M27	X	4.556	4.556	0	%100
16	M27	Z	7.89	7.89	0	%100
17	M29	X	4.488	4.488	0	%100
18	M29	Z	7.774	7.774	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	9.784	9.784	0	%100
22	M38	Z	16.947	16.947	0	%100
23	M39	X	9.784	9.784	0	%100
24	M39	Z	16.947	16.947	0	%100
25	M40	X	1.589	1.589	0	%100
26	M40	Z	2.751	2.751	0	%100
27	M41	X	6.354	6.354	0	%100
28	M41	Z	11.006	11.006	0	%100
29	M42	X	1.589	1.589	0	%100
30	M42	Z	2.751	2.751	0	%100
31	M43	X	1.448	1.448	0	%100
32	M43	Z	2.507	2.507	0	%100
33	M47	X	5.791	5.791	0	%100
34	M47	Z	10.03	10.03	0	%100
35	M51	X	1.448	1.448	0	%100
36	M51	Z	2.507	2.507	0	%100
37	MP1A	X	5.164	5.164	0	%100
38	MP1A	Z	8.944	8.944	0	%100
39	M109A	X	1.813	1.813	0	%100
40	M109A	Z	3.139	3.139	0	%100
41	M110A	X	.888	.888	0	%100
42	M110A	Z	1.537	1.537	0	%100
43	M111	X	4.31	4.31	0	%100
44	M111	Z	7.465	7.465	0	%100
45	M112A	X	7.183	7.183	0	%100
46	M112A	Z	12.442	12.442	0	%100
47	M113A	X	.533	.533	0	%100
48	M113A	Z	.922	.922	0	%100
49	M114	X	3.021	3.021	0	%100
50	M114	Z	5.232	5.232	0	%100
51	MP2A	X	5.164	5.164	0	%100
52	MP2A	Z	8.944	8.944	0	%100
53	MP3A	X	5.164	5.164	0	%100
54	MP3A	Z	8.944	8.944	0	%100
55	MP4A	X	5.164	5.164	0	%100
56	MP4A	Z	8.944	8.944	0	%100
57	MP1C	X	5.164	5.164	0	%100
58	MP1C	Z	8.944	8.944	0	%100
59	MP2C	X	5.164	5.164	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP2C	Z	8.944	8.944	0	%100
61	MP3C	X	5.164	5.164	0	%100
62	MP3C	Z	8.944	8.944	0	%100
63	MP4C	X	5.164	5.164	0	%100
64	MP4C	Z	8.944	8.944	0	%100
65	MP1B	X	5.164	5.164	0	%100
66	MP1B	Z	8.944	8.944	0	%100
67	MP2B	X	5.164	5.164	0	%100
68	MP2B	Z	8.944	8.944	0	%100
69	MP3B	X	5.164	5.164	0	%100
70	MP3B	Z	8.944	8.944	0	%100
71	MP4B	X	5.164	5.164	0	%100
72	MP4B	Z	8.944	8.944	0	%100
73	OVP1	X	4.223	4.223	0	%100
74	OVP1	Z	7.314	7.314	0	%100
75	OVP2	X	4.223	4.223	0	%100
76	OVP2	Z	7.314	7.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	12.148	12.148	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	12.148	12.148	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	11.969	11.969	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	3.037	3.037	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	3.037	3.037	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	2.992	2.992	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	3.037	3.037	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	3.037	3.037	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	2.992	2.992	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	6.523	6.523	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	6.523	6.523	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	26.091	26.091	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	9.531	9.531	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	9.531	9.531	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	8.686	8.686	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	8.686	8.686	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	10.328	10.328	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M109A	X	0	0	0	%100
40	M109A	Z	.253	.253	0	%100
41	M110A	X	0	0	0	%100
42	M110A	Z	.422	.422	0	%100
43	M111	X	0	0	0	%100
44	M111	Z	7.808	7.808	0	%100
45	M112A	X	0	0	0	%100
46	M112A	Z	8.747	8.747	0	%100
47	M113A	X	0	0	0	%100
48	M113A	Z	5.248	5.248	0	%100
49	M114	X	0	0	0	%100
50	M114	Z	13.014	13.014	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	10.328	10.328	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	10.328	10.328	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	10.328	10.328	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	10.328	10.328	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	10.328	10.328	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	10.328	10.328	0	%100
63	MP4C	X	0	0	0	%100
64	MP4C	Z	10.328	10.328	0	%100
65	MP1B	X	0	0	0	%100
66	MP1B	Z	10.328	10.328	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	10.328	10.328	0	%100
69	MP3B	X	0	0	0	%100
70	MP3B	Z	10.328	10.328	0	%100
71	MP4B	X	0	0	0	%100
72	MP4B	Z	10.328	10.328	0	%100
73	OVP1	X	0	0	0	%100
74	OVP1	Z	8.446	8.446	0	%100
75	OVP2	X	0	0	0	%100
76	OVP2	Z	8.446	8.446	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.556	-4.556	0	%100
2	M1	Z	7.89	7.89	0	%100
3	M3	X	-4.556	-4.556	0	%100
4	M3	Z	7.89	7.89	0	%100
5	M5	X	-4.488	-4.488	0	%100
6	M5	Z	7.774	7.774	0	%100
7	M13	X	-4.556	-4.556	0	%100
8	M13	Z	7.89	7.89	0	%100
9	M15	X	-4.556	-4.556	0	%100
10	M15	Z	7.89	7.89	0	%100
11	M17	X	-4.488	-4.488	0	%100
12	M17	Z	7.774	7.774	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M29	Z	0	0	0	%100
19	M37	X	-9.784	-9.784	0	%100
20	M37	Z	16.947	16.947	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	-9.784	-9.784	0	%100
24	M39	Z	16.947	16.947	0	%100
25	M40	X	-1.589	-1.589	0	%100
26	M40	Z	2.751	2.751	0	%100
27	M41	X	-1.589	-1.589	0	%100
28	M41	Z	2.751	2.751	0	%100
29	M42	X	-6.354	-6.354	0	%100
30	M42	Z	11.006	11.006	0	%100
31	M43	X	-1.448	-1.448	0	%100
32	M43	Z	2.507	2.507	0	%100
33	M47	X	-1.448	-1.448	0	%100
34	M47	Z	2.507	2.507	0	%100
35	M51	X	-5.791	-5.791	0	%100
36	M51	Z	10.03	10.03	0	%100
37	MP1A	X	-5.164	-5.164	0	%100
38	MP1A	Z	8.944	8.944	0	%100
39	M109A	X	-.533	-.533	0	%100
40	M109A	Z	.922	.922	0	%100
41	M110A	X	-3.021	-3.021	0	%100
42	M110A	Z	5.232	5.232	0	%100
43	M111	X	-1.813	-1.813	0	%100
44	M111	Z	3.139	3.139	0	%100
45	M112A	X	-.888	-.888	0	%100
46	M112A	Z	1.537	1.537	0	%100
47	M113A	X	-4.31	-4.31	0	%100
48	M113A	Z	7.465	7.465	0	%100
49	M114	X	-7.183	-7.183	0	%100
50	M114	Z	12.442	12.442	0	%100
51	MP2A	X	-5.164	-5.164	0	%100
52	MP2A	Z	8.944	8.944	0	%100
53	MP3A	X	-5.164	-5.164	0	%100
54	MP3A	Z	8.944	8.944	0	%100
55	MP4A	X	-5.164	-5.164	0	%100
56	MP4A	Z	8.944	8.944	0	%100
57	MP1C	X	-5.164	-5.164	0	%100
58	MP1C	Z	8.944	8.944	0	%100
59	MP2C	X	-5.164	-5.164	0	%100
60	MP2C	Z	8.944	8.944	0	%100
61	MP3C	X	-5.164	-5.164	0	%100
62	MP3C	Z	8.944	8.944	0	%100
63	MP4C	X	-5.164	-5.164	0	%100
64	MP4C	Z	8.944	8.944	0	%100
65	MP1B	X	-5.164	-5.164	0	%100
66	MP1B	Z	8.944	8.944	0	%100
67	MP2B	X	-5.164	-5.164	0	%100
68	MP2B	Z	8.944	8.944	0	%100
69	MP3B	X	-5.164	-5.164	0	%100
70	MP3B	Z	8.944	8.944	0	%100
71	MP4B	X	-5.164	-5.164	0	%100
72	MP4B	Z	8.944	8.944	0	%100
73	OVP1	X	-4.223	-4.223	0	%100
74	OVP1	Z	7.314	7.314	0	%100
75	OVP2	X	-4.223	-4.223	0	%100
76	OVP2	Z	7.314	7.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.63	-2.63	0	%100
2	M1	Z	1.519	1.519	0	%100
3	M3	X	-2.63	-2.63	0	%100
4	M3	Z	1.519	1.519	0	%100
5	M5	X	-2.591	-2.591	0	%100
6	M5	Z	1.496	1.496	0	%100
7	M13	X	-10.521	-10.521	0	%100
8	M13	Z	6.074	6.074	0	%100
9	M15	X	-10.521	-10.521	0	%100
10	M15	Z	6.074	6.074	0	%100
11	M17	X	-10.366	-10.366	0	%100
12	M17	Z	5.985	5.985	0	%100
13	M25	X	-2.63	-2.63	0	%100
14	M25	Z	1.519	1.519	0	%100
15	M27	X	-2.63	-2.63	0	%100
16	M27	Z	1.519	1.519	0	%100
17	M29	X	-2.591	-2.591	0	%100
18	M29	Z	1.496	1.496	0	%100
19	M37	X	-22.596	-22.596	0	%100
20	M37	Z	13.046	13.046	0	%100
21	M38	X	-5.649	-5.649	0	%100
22	M38	Z	3.261	3.261	0	%100
23	M39	X	-5.649	-5.649	0	%100
24	M39	Z	3.261	3.261	0	%100
25	M40	X	-8.254	-8.254	0	%100
26	M40	Z	4.766	4.766	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	-8.254	-8.254	0	%100
30	M42	Z	4.766	4.766	0	%100
31	M43	X	-7.522	-7.522	0	%100
32	M43	Z	4.343	4.343	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	-7.522	-7.522	0	%100
36	M51	Z	4.343	4.343	0	%100
37	MP1A	X	-8.944	-8.944	0	%100
38	MP1A	Z	5.164	5.164	0	%100
39	M109A	X	-4.545	-4.545	0	%100
40	M109A	Z	2.624	2.624	0	%100
41	M110A	X	-11.27	-11.27	0	%100
42	M110A	Z	6.507	6.507	0	%100
43	M111	X	-.219	-.219	0	%100
44	M111	Z	.127	.127	0	%100
45	M112A	X	-.366	-.366	0	%100
46	M112A	Z	.211	.211	0	%100
47	M113A	X	-6.762	-6.762	0	%100
48	M113A	Z	3.904	3.904	0	%100
49	M114	X	-7.575	-7.575	0	%100
50	M114	Z	4.374	4.374	0	%100
51	MP2A	X	-8.944	-8.944	0	%100
52	MP2A	Z	5.164	5.164	0	%100
53	MP3A	X	-8.944	-8.944	0	%100
54	MP3A	Z	5.164	5.164	0	%100
55	MP4A	X	-8.944	-8.944	0	%100
56	MP4A	Z	5.164	5.164	0	%100
57	MP1C	X	-8.944	-8.944	0	%100
58	MP1C	Z	5.164	5.164	0	%100
59	MP2C	X	-8.944	-8.944	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP2C	Z	5.164	5.164	0	%100
61	MP3C	X	-8.944	-8.944	0	%100
62	MP3C	Z	5.164	5.164	0	%100
63	MP4C	X	-8.944	-8.944	0	%100
64	MP4C	Z	5.164	5.164	0	%100
65	MP1B	X	-8.944	-8.944	0	%100
66	MP1B	Z	5.164	5.164	0	%100
67	MP2B	X	-8.944	-8.944	0	%100
68	MP2B	Z	5.164	5.164	0	%100
69	MP3B	X	-8.944	-8.944	0	%100
70	MP3B	Z	5.164	5.164	0	%100
71	MP4B	X	-8.944	-8.944	0	%100
72	MP4B	Z	5.164	5.164	0	%100
73	OVP1	X	-7.314	-7.314	0	%100
74	OVP1	Z	4.223	4.223	0	%100
75	OVP2	X	-7.314	-7.314	0	%100
76	OVP2	Z	4.223	4.223	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M13	X	-9.111	-9.111	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	-9.111	-9.111	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	-8.977	-8.977	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	-9.111	-9.111	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	-9.111	-9.111	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	-8.977	-8.977	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	-19.569	-19.569	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	-19.569	-19.569	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	0	0	0	%100
25	M40	X	-12.709	-12.709	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	-3.177	-3.177	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	-3.177	-3.177	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	-11.581	-11.581	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	-2.895	-2.895	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	-2.895	-2.895	0	%100
36	M51	Z	0	0	0	%100
37	MP1A	X	-10.328	-10.328	0	%100
38	MP1A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M109A	X	-8.62	-8.62	0	%100
40	M109A	Z	0	0	0	%100
41	M110A	X	-14.367	-14.367	0	%100
42	M110A	Z	0	0	0	%100
43	M111	X	-1.065	-1.065	0	%100
44	M111	Z	0	0	0	%100
45	M112A	X	-6.042	-6.042	0	%100
46	M112A	Z	0	0	0	%100
47	M113A	X	-3.625	-3.625	0	%100
48	M113A	Z	0	0	0	%100
49	M114	X	-1.775	-1.775	0	%100
50	M114	Z	0	0	0	%100
51	MP2A	X	-10.328	-10.328	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-10.328	-10.328	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	-10.328	-10.328	0	%100
56	MP4A	Z	0	0	0	%100
57	MP1C	X	-10.328	-10.328	0	%100
58	MP1C	Z	0	0	0	%100
59	MP2C	X	-10.328	-10.328	0	%100
60	MP2C	Z	0	0	0	%100
61	MP3C	X	-10.328	-10.328	0	%100
62	MP3C	Z	0	0	0	%100
63	MP4C	X	-10.328	-10.328	0	%100
64	MP4C	Z	0	0	0	%100
65	MP1B	X	-10.328	-10.328	0	%100
66	MP1B	Z	0	0	0	%100
67	MP2B	X	-10.328	-10.328	0	%100
68	MP2B	Z	0	0	0	%100
69	MP3B	X	-10.328	-10.328	0	%100
70	MP3B	Z	0	0	0	%100
71	MP4B	X	-10.328	-10.328	0	%100
72	MP4B	Z	0	0	0	%100
73	OVP1	X	-8.446	-8.446	0	%100
74	OVP1	Z	0	0	0	%100
75	OVP2	X	-8.446	-8.446	0	%100
76	OVP2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.63	-2.63	0	%100
2	M1	Z	-1.519	-1.519	0	%100
3	M3	X	-2.63	-2.63	0	%100
4	M3	Z	-1.519	-1.519	0	%100
5	M5	X	-2.591	-2.591	0	%100
6	M5	Z	-1.496	-1.496	0	%100
7	M13	X	-2.63	-2.63	0	%100
8	M13	Z	-1.519	-1.519	0	%100
9	M15	X	-2.63	-2.63	0	%100
10	M15	Z	-1.519	-1.519	0	%100
11	M17	X	-2.591	-2.591	0	%100
12	M17	Z	-1.496	-1.496	0	%100
13	M25	X	-10.521	-10.521	0	%100
14	M25	Z	-6.074	-6.074	0	%100
15	M27	X	-10.521	-10.521	0	%100
16	M27	Z	-6.074	-6.074	0	%100
17	M29	X	-10.366	-10.366	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M29	Z	-5.985	-5.985	0	%100
19	M37	X	-5.649	-5.649	0	%100
20	M37	Z	-3.261	-3.261	0	%100
21	M38	X	-22.596	-22.596	0	%100
22	M38	Z	-13.046	-13.046	0	%100
23	M39	X	-5.649	-5.649	0	%100
24	M39	Z	-3.261	-3.261	0	%100
25	M40	X	-8.254	-8.254	0	%100
26	M40	Z	-4.766	-4.766	0	%100
27	M41	X	-8.254	-8.254	0	%100
28	M41	Z	-4.766	-4.766	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	-7.522	-7.522	0	%100
32	M43	Z	-4.343	-4.343	0	%100
33	M47	X	-7.522	-7.522	0	%100
34	M47	Z	-4.343	-4.343	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	0	0	0	%100
37	MP1A	X	-8.944	-8.944	0	%100
38	MP1A	Z	-5.164	-5.164	0	%100
39	M109A	X	-6.762	-6.762	0	%100
40	M109A	Z	-3.904	-3.904	0	%100
41	M110A	X	-7.575	-7.575	0	%100
42	M110A	Z	-4.374	-4.374	0	%100
43	M111	X	-4.545	-4.545	0	%100
44	M111	Z	-2.624	-2.624	0	%100
45	M112A	X	-11.27	-11.27	0	%100
46	M112A	Z	-6.507	-6.507	0	%100
47	M113A	X	-.219	-.219	0	%100
48	M113A	Z	-.127	-.127	0	%100
49	M114	X	-.366	-.366	0	%100
50	M114	Z	-.211	-.211	0	%100
51	MP2A	X	-8.944	-8.944	0	%100
52	MP2A	Z	-5.164	-5.164	0	%100
53	MP3A	X	-8.944	-8.944	0	%100
54	MP3A	Z	-5.164	-5.164	0	%100
55	MP4A	X	-8.944	-8.944	0	%100
56	MP4A	Z	-5.164	-5.164	0	%100
57	MP1C	X	-8.944	-8.944	0	%100
58	MP1C	Z	-5.164	-5.164	0	%100
59	MP2C	X	-8.944	-8.944	0	%100
60	MP2C	Z	-5.164	-5.164	0	%100
61	MP3C	X	-8.944	-8.944	0	%100
62	MP3C	Z	-5.164	-5.164	0	%100
63	MP4C	X	-8.944	-8.944	0	%100
64	MP4C	Z	-5.164	-5.164	0	%100
65	MP1B	X	-8.944	-8.944	0	%100
66	MP1B	Z	-5.164	-5.164	0	%100
67	MP2B	X	-8.944	-8.944	0	%100
68	MP2B	Z	-5.164	-5.164	0	%100
69	MP3B	X	-8.944	-8.944	0	%100
70	MP3B	Z	-5.164	-5.164	0	%100
71	MP4B	X	-8.944	-8.944	0	%100
72	MP4B	Z	-5.164	-5.164	0	%100
73	OVP1	X	-7.314	-7.314	0	%100
74	OVP1	Z	-4.223	-4.223	0	%100
75	OVP2	X	-7.314	-7.314	0	%100
76	OVP2	Z	-4.223	-4.223	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.556	-4.556	0	%100
2	M1	Z	-7.89	-7.89	0	%100
3	M3	X	-4.556	-4.556	0	%100
4	M3	Z	-7.89	-7.89	0	%100
5	M5	X	-4.488	-4.488	0	%100
6	M5	Z	-7.774	-7.774	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	-4.556	-4.556	0	%100
14	M25	Z	-7.89	-7.89	0	%100
15	M27	X	-4.556	-4.556	0	%100
16	M27	Z	-7.89	-7.89	0	%100
17	M29	X	-4.488	-4.488	0	%100
18	M29	Z	-7.774	-7.774	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	-9.784	-9.784	0	%100
22	M38	Z	-16.947	-16.947	0	%100
23	M39	X	-9.784	-9.784	0	%100
24	M39	Z	-16.947	-16.947	0	%100
25	M40	X	-1.589	-1.589	0	%100
26	M40	Z	-2.751	-2.751	0	%100
27	M41	X	-6.354	-6.354	0	%100
28	M41	Z	-11.006	-11.006	0	%100
29	M42	X	-1.589	-1.589	0	%100
30	M42	Z	-2.751	-2.751	0	%100
31	M43	X	-1.448	-1.448	0	%100
32	M43	Z	-2.507	-2.507	0	%100
33	M47	X	-5.791	-5.791	0	%100
34	M47	Z	-10.03	-10.03	0	%100
35	M51	X	-1.448	-1.448	0	%100
36	M51	Z	-2.507	-2.507	0	%100
37	MP1A	X	-5.164	-5.164	0	%100
38	MP1A	Z	-8.944	-8.944	0	%100
39	M109A	X	-1.813	-1.813	0	%100
40	M109A	Z	-3.139	-3.139	0	%100
41	M110A	X	-.888	-.888	0	%100
42	M110A	Z	-1.537	-1.537	0	%100
43	M111	X	-4.31	-4.31	0	%100
44	M111	Z	-7.465	-7.465	0	%100
45	M112A	X	-7.183	-7.183	0	%100
46	M112A	Z	-12.442	-12.442	0	%100
47	M113A	X	-.533	-.533	0	%100
48	M113A	Z	-.922	-.922	0	%100
49	M114	X	-3.021	-3.021	0	%100
50	M114	Z	-5.232	-5.232	0	%100
51	MP2A	X	-5.164	-5.164	0	%100
52	MP2A	Z	-8.944	-8.944	0	%100
53	MP3A	X	-5.164	-5.164	0	%100
54	MP3A	Z	-8.944	-8.944	0	%100
55	MP4A	X	-5.164	-5.164	0	%100
56	MP4A	Z	-8.944	-8.944	0	%100
57	MP1C	X	-5.164	-5.164	0	%100
58	MP1C	Z	-8.944	-8.944	0	%100
59	MP2C	X	-5.164	-5.164	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP2C	Z	-8.944	-8.944	0	%100
61	MP3C	X	-5.164	-5.164	0	%100
62	MP3C	Z	-8.944	-8.944	0	%100
63	MP4C	X	-5.164	-5.164	0	%100
64	MP4C	Z	-8.944	-8.944	0	%100
65	MP1B	X	-5.164	-5.164	0	%100
66	MP1B	Z	-8.944	-8.944	0	%100
67	MP2B	X	-5.164	-5.164	0	%100
68	MP2B	Z	-8.944	-8.944	0	%100
69	MP3B	X	-5.164	-5.164	0	%100
70	MP3B	Z	-8.944	-8.944	0	%100
71	MP4B	X	-5.164	-5.164	0	%100
72	MP4B	Z	-8.944	-8.944	0	%100
73	OVP1	X	-4.223	-4.223	0	%100
74	OVP1	Z	-7.314	-7.314	0	%100
75	OVP2	X	-4.223	-4.223	0	%100
76	OVP2	Z	-7.314	-7.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.916	-3.916	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	-3.916	-3.916	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	-3.846	-3.846	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	-.979	-.979	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	-.979	-.979	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-.962	-.962	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	-.979	-.979	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	-.979	-.979	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	-.962	-.962	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	-1.405	-1.405	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	-1.405	-1.405	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	-5.618	-5.618	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	-2.975	-2.975	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	-2.975	-2.975	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	-2.705	-2.705	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	-2.705	-2.705	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-3.553	-3.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M109A	X	0	0	0	%100
40	M109A	Z	-.085	-.085	0	%100
41	M110A	X	0	0	0	%100
42	M110A	Z	-.114	-.114	0	%100
43	M111	X	0	0	0	%100
44	M111	Z	-2.617	-2.617	0	%100
45	M112A	X	0	0	0	%100
46	M112A	Z	-2.367	-2.367	0	%100
47	M113A	X	0	0	0	%100
48	M113A	Z	-1.759	-1.759	0	%100
49	M114	X	0	0	0	%100
50	M114	Z	-3.521	-3.521	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-3.553	-3.553	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-3.553	-3.553	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-3.553	-3.553	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	-3.553	-3.553	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	-3.553	-3.553	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	-3.553	-3.553	0	%100
63	MP4C	X	0	0	0	%100
64	MP4C	Z	-3.553	-3.553	0	%100
65	MP1B	X	0	0	0	%100
66	MP1B	Z	-3.553	-3.553	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	-3.553	-3.553	0	%100
69	MP3B	X	0	0	0	%100
70	MP3B	Z	-3.553	-3.553	0	%100
71	MP4B	X	0	0	0	%100
72	MP4B	Z	-3.553	-3.553	0	%100
73	OVP1	X	0	0	0	%100
74	OVP1	Z	-2.915	-2.915	0	%100
75	OVP2	X	0	0	0	%100
76	OVP2	Z	-2.915	-2.915	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.469	1.469	0	%100
2	M1	Z	-2.544	-2.544	0	%100
3	M3	X	1.469	1.469	0	%100
4	M3	Z	-2.544	-2.544	0	%100
5	M5	X	1.442	1.442	0	%100
6	M5	Z	-2.498	-2.498	0	%100
7	M13	X	1.469	1.469	0	%100
8	M13	Z	-2.544	-2.544	0	%100
9	M15	X	1.469	1.469	0	%100
10	M15	Z	-2.544	-2.544	0	%100
11	M17	X	1.442	1.442	0	%100
12	M17	Z	-2.498	-2.498	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M29	Z	0	0	0	%100
19	M37	X	2.107	2.107	0	%100
20	M37	Z	-3.649	-3.649	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	2.107	2.107	0	%100
24	M39	Z	-3.649	-3.649	0	%100
25	M40	X	.496	.496	0	%100
26	M40	Z	-.859	-.859	0	%100
27	M41	X	.496	.496	0	%100
28	M41	Z	-.859	-.859	0	%100
29	M42	X	1.983	1.983	0	%100
30	M42	Z	-3.435	-3.435	0	%100
31	M43	X	.451	.451	0	%100
32	M43	Z	-.781	-.781	0	%100
33	M47	X	.451	.451	0	%100
34	M47	Z	-.781	-.781	0	%100
35	M51	X	1.803	1.803	0	%100
36	M51	Z	-3.123	-3.123	0	%100
37	MP1A	X	1.777	1.777	0	%100
38	MP1A	Z	-3.077	-3.077	0	%100
39	M109A	X	.178	.178	0	%100
40	M109A	Z	-.309	-.309	0	%100
41	M110A	X	.817	.817	0	%100
42	M110A	Z	-1.416	-1.416	0	%100
43	M111	X	.608	.608	0	%100
44	M111	Z	-1.052	-1.052	0	%100
45	M112A	X	.24	.24	0	%100
46	M112A	Z	-.416	-.416	0	%100
47	M113A	X	1.445	1.445	0	%100
48	M113A	Z	-2.502	-2.502	0	%100
49	M114	X	1.943	1.943	0	%100
50	M114	Z	-3.366	-3.366	0	%100
51	MP2A	X	1.777	1.777	0	%100
52	MP2A	Z	-3.077	-3.077	0	%100
53	MP3A	X	1.777	1.777	0	%100
54	MP3A	Z	-3.077	-3.077	0	%100
55	MP4A	X	1.777	1.777	0	%100
56	MP4A	Z	-3.077	-3.077	0	%100
57	MP1C	X	1.777	1.777	0	%100
58	MP1C	Z	-3.077	-3.077	0	%100
59	MP2C	X	1.777	1.777	0	%100
60	MP2C	Z	-3.077	-3.077	0	%100
61	MP3C	X	1.777	1.777	0	%100
62	MP3C	Z	-3.077	-3.077	0	%100
63	MP4C	X	1.777	1.777	0	%100
64	MP4C	Z	-3.077	-3.077	0	%100
65	MP1B	X	1.777	1.777	0	%100
66	MP1B	Z	-3.077	-3.077	0	%100
67	MP2B	X	1.777	1.777	0	%100
68	MP2B	Z	-3.077	-3.077	0	%100
69	MP3B	X	1.777	1.777	0	%100
70	MP3B	Z	-3.077	-3.077	0	%100
71	MP4B	X	1.777	1.777	0	%100
72	MP4B	Z	-3.077	-3.077	0	%100
73	OVP1	X	1.457	1.457	0	%100
74	OVP1	Z	-2.524	-2.524	0	%100
75	OVP2	X	1.457	1.457	0	%100
76	OVP2	Z	-2.524	-2.524	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.848	.848	0	%100
2	M1	Z	-.49	-.49	0	%100
3	M3	X	.848	.848	0	%100
4	M3	Z	-.49	-.49	0	%100
5	M5	X	.833	.833	0	%100
6	M5	Z	-.481	-.481	0	%100
7	M13	X	3.392	3.392	0	%100
8	M13	Z	-1.958	-1.958	0	%100
9	M15	X	3.392	3.392	0	%100
10	M15	Z	-1.958	-1.958	0	%100
11	M17	X	3.331	3.331	0	%100
12	M17	Z	-1.923	-1.923	0	%100
13	M25	X	.848	.848	0	%100
14	M25	Z	-.49	-.49	0	%100
15	M27	X	.848	.848	0	%100
16	M27	Z	-.49	-.49	0	%100
17	M29	X	.833	.833	0	%100
18	M29	Z	-.481	-.481	0	%100
19	M37	X	4.865	4.865	0	%100
20	M37	Z	-2.809	-2.809	0	%100
21	M38	X	1.216	1.216	0	%100
22	M38	Z	-.702	-.702	0	%100
23	M39	X	1.216	1.216	0	%100
24	M39	Z	-.702	-.702	0	%100
25	M40	X	2.576	2.576	0	%100
26	M40	Z	-1.487	-1.487	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	2.576	2.576	0	%100
30	M42	Z	-1.487	-1.487	0	%100
31	M43	X	2.342	2.342	0	%100
32	M43	Z	-1.352	-1.352	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	2.342	2.342	0	%100
36	M51	Z	-1.352	-1.352	0	%100
37	MP1A	X	3.077	3.077	0	%100
38	MP1A	Z	-1.777	-1.777	0	%100
39	M109A	X	1.523	1.523	0	%100
40	M109A	Z	-.88	-.88	0	%100
41	M110A	X	3.049	3.049	0	%100
42	M110A	Z	-1.76	-1.76	0	%100
43	M111	X	.074	.074	0	%100
44	M111	Z	-.042	-.042	0	%100
45	M112A	X	.099	.099	0	%100
46	M112A	Z	-.057	-.057	0	%100
47	M113A	X	2.267	2.267	0	%100
48	M113A	Z	-1.309	-1.309	0	%100
49	M114	X	2.05	2.05	0	%100
50	M114	Z	-1.183	-1.183	0	%100
51	MP2A	X	3.077	3.077	0	%100
52	MP2A	Z	-1.777	-1.777	0	%100
53	MP3A	X	3.077	3.077	0	%100
54	MP3A	Z	-1.777	-1.777	0	%100
55	MP4A	X	3.077	3.077	0	%100
56	MP4A	Z	-1.777	-1.777	0	%100
57	MP1C	X	3.077	3.077	0	%100
58	MP1C	Z	-1.777	-1.777	0	%100
59	MP2C	X	3.077	3.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP2C	Z	-1.777	-1.777	0	%100
61	MP3C	X	3.077	3.077	0	%100
62	MP3C	Z	-1.777	-1.777	0	%100
63	MP4C	X	3.077	3.077	0	%100
64	MP4C	Z	-1.777	-1.777	0	%100
65	MP1B	X	3.077	3.077	0	%100
66	MP1B	Z	-1.777	-1.777	0	%100
67	MP2B	X	3.077	3.077	0	%100
68	MP2B	Z	-1.777	-1.777	0	%100
69	MP3B	X	3.077	3.077	0	%100
70	MP3B	Z	-1.777	-1.777	0	%100
71	MP4B	X	3.077	3.077	0	%100
72	MP4B	Z	-1.777	-1.777	0	%100
73	OVP1	X	2.524	2.524	0	%100
74	OVP1	Z	-1.457	-1.457	0	%100
75	OVP2	X	2.524	2.524	0	%100
76	OVP2	Z	-1.457	-1.457	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M13	X	2.937	2.937	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	2.937	2.937	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	2.885	2.885	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	2.937	2.937	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	2.937	2.937	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	2.885	2.885	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	4.214	4.214	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	4.214	4.214	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	0	0	0	%100
25	M40	X	3.967	3.967	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	.992	.992	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	.992	.992	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	3.606	3.606	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	.902	.902	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	.902	.902	0	%100
36	M51	Z	0	0	0	%100
37	MP1A	X	3.553	3.553	0	%100
38	MP1A	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,...	Start Location[ft,%]	End Location[ft,%]
39	M109A	X	2.889	2.889	0	%100
40	M109A	Z	0	0	0	%100
41	M110A	X	3.887	3.887	0	%100
42	M110A	Z	0	0	0	%100
43	M111	X	.357	.357	0	%100
44	M111	Z	0	0	0	%100
45	M112A	X	1.635	1.635	0	%100
46	M112A	Z	0	0	0	%100
47	M113A	X	1.215	1.215	0	%100
48	M113A	Z	0	0	0	%100
49	M114	X	.48	.48	0	%100
50	M114	Z	0	0	0	%100
51	MP2A	X	3.553	3.553	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	3.553	3.553	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	3.553	3.553	0	%100
56	MP4A	Z	0	0	0	%100
57	MP1C	X	3.553	3.553	0	%100
58	MP1C	Z	0	0	0	%100
59	MP2C	X	3.553	3.553	0	%100
60	MP2C	Z	0	0	0	%100
61	MP3C	X	3.553	3.553	0	%100
62	MP3C	Z	0	0	0	%100
63	MP4C	X	3.553	3.553	0	%100
64	MP4C	Z	0	0	0	%100
65	MP1B	X	3.553	3.553	0	%100
66	MP1B	Z	0	0	0	%100
67	MP2B	X	3.553	3.553	0	%100
68	MP2B	Z	0	0	0	%100
69	MP3B	X	3.553	3.553	0	%100
70	MP3B	Z	0	0	0	%100
71	MP4B	X	3.553	3.553	0	%100
72	MP4B	Z	0	0	0	%100
73	OVP1	X	2.915	2.915	0	%100
74	OVP1	Z	0	0	0	%100
75	OVP2	X	2.915	2.915	0	%100
76	OVP2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.848	.848	0	%100
2	M1	Z	.49	.49	0	%100
3	M3	X	.848	.848	0	%100
4	M3	Z	.49	.49	0	%100
5	M5	X	.833	.833	0	%100
6	M5	Z	.481	.481	0	%100
7	M13	X	.848	.848	0	%100
8	M13	Z	.49	.49	0	%100
9	M15	X	.848	.848	0	%100
10	M15	Z	.49	.49	0	%100
11	M17	X	.833	.833	0	%100
12	M17	Z	.481	.481	0	%100
13	M25	X	3.392	3.392	0	%100
14	M25	Z	1.958	1.958	0	%100
15	M27	X	3.392	3.392	0	%100
16	M27	Z	1.958	1.958	0	%100
17	M29	X	3.331	3.331	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M29	Z	1.923	1.923	0	%100
19	M37	X	1.216	1.216	0	%100
20	M37	Z	.702	.702	0	%100
21	M38	X	4.865	4.865	0	%100
22	M38	Z	2.809	2.809	0	%100
23	M39	X	1.216	1.216	0	%100
24	M39	Z	.702	.702	0	%100
25	M40	X	2.576	2.576	0	%100
26	M40	Z	1.487	1.487	0	%100
27	M41	X	2.576	2.576	0	%100
28	M41	Z	1.487	1.487	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	2.342	2.342	0	%100
32	M43	Z	1.352	1.352	0	%100
33	M47	X	2.342	2.342	0	%100
34	M47	Z	1.352	1.352	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	0	0	0	%100
37	MP1A	X	3.077	3.077	0	%100
38	MP1A	Z	1.777	1.777	0	%100
39	M109A	X	2.267	2.267	0	%100
40	M109A	Z	1.309	1.309	0	%100
41	M110A	X	2.05	2.05	0	%100
42	M110A	Z	1.183	1.183	0	%100
43	M111	X	1.523	1.523	0	%100
44	M111	Z	.88	.88	0	%100
45	M112A	X	3.049	3.049	0	%100
46	M112A	Z	1.76	1.76	0	%100
47	M113A	X	.074	.074	0	%100
48	M113A	Z	.042	.042	0	%100
49	M114	X	.099	.099	0	%100
50	M114	Z	.057	.057	0	%100
51	MP2A	X	3.077	3.077	0	%100
52	MP2A	Z	1.777	1.777	0	%100
53	MP3A	X	3.077	3.077	0	%100
54	MP3A	Z	1.777	1.777	0	%100
55	MP4A	X	3.077	3.077	0	%100
56	MP4A	Z	1.777	1.777	0	%100
57	MP1C	X	3.077	3.077	0	%100
58	MP1C	Z	1.777	1.777	0	%100
59	MP2C	X	3.077	3.077	0	%100
60	MP2C	Z	1.777	1.777	0	%100
61	MP3C	X	3.077	3.077	0	%100
62	MP3C	Z	1.777	1.777	0	%100
63	MP4C	X	3.077	3.077	0	%100
64	MP4C	Z	1.777	1.777	0	%100
65	MP1B	X	3.077	3.077	0	%100
66	MP1B	Z	1.777	1.777	0	%100
67	MP2B	X	3.077	3.077	0	%100
68	MP2B	Z	1.777	1.777	0	%100
69	MP3B	X	3.077	3.077	0	%100
70	MP3B	Z	1.777	1.777	0	%100
71	MP4B	X	3.077	3.077	0	%100
72	MP4B	Z	1.777	1.777	0	%100
73	OVP1	X	2.524	2.524	0	%100
74	OVP1	Z	1.457	1.457	0	%100
75	OVP2	X	2.524	2.524	0	%100
76	OVP2	Z	1.457	1.457	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.469	1.469	0	%100
2	M1	Z	2.544	2.544	0	%100
3	M3	X	1.469	1.469	0	%100
4	M3	Z	2.544	2.544	0	%100
5	M5	X	1.442	1.442	0	%100
6	M5	Z	2.498	2.498	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	1.469	1.469	0	%100
14	M25	Z	2.544	2.544	0	%100
15	M27	X	1.469	1.469	0	%100
16	M27	Z	2.544	2.544	0	%100
17	M29	X	1.442	1.442	0	%100
18	M29	Z	2.498	2.498	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	2.107	2.107	0	%100
22	M38	Z	3.649	3.649	0	%100
23	M39	X	2.107	2.107	0	%100
24	M39	Z	3.649	3.649	0	%100
25	M40	X	.496	.496	0	%100
26	M40	Z	.859	.859	0	%100
27	M41	X	1.983	1.983	0	%100
28	M41	Z	3.435	3.435	0	%100
29	M42	X	.496	.496	0	%100
30	M42	Z	.859	.859	0	%100
31	M43	X	.451	.451	0	%100
32	M43	Z	.781	.781	0	%100
33	M47	X	1.803	1.803	0	%100
34	M47	Z	3.123	3.123	0	%100
35	M51	X	.451	.451	0	%100
36	M51	Z	.781	.781	0	%100
37	MP1A	X	1.777	1.777	0	%100
38	MP1A	Z	3.077	3.077	0	%100
39	M109A	X	.608	.608	0	%100
40	M109A	Z	1.052	1.052	0	%100
41	M110A	X	.24	.24	0	%100
42	M110A	Z	.416	.416	0	%100
43	M111	X	1.445	1.445	0	%100
44	M111	Z	2.502	2.502	0	%100
45	M112A	X	1.943	1.943	0	%100
46	M112A	Z	3.366	3.366	0	%100
47	M113A	X	.178	.178	0	%100
48	M113A	Z	.309	.309	0	%100
49	M114	X	.817	.817	0	%100
50	M114	Z	1.416	1.416	0	%100
51	MP2A	X	1.777	1.777	0	%100
52	MP2A	Z	3.077	3.077	0	%100
53	MP3A	X	1.777	1.777	0	%100
54	MP3A	Z	3.077	3.077	0	%100
55	MP4A	X	1.777	1.777	0	%100
56	MP4A	Z	3.077	3.077	0	%100
57	MP1C	X	1.777	1.777	0	%100
58	MP1C	Z	3.077	3.077	0	%100
59	MP2C	X	1.777	1.777	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP2C	Z	3.077	3.077	0	%100
61	MP3C	X	1.777	1.777	0	%100
62	MP3C	Z	3.077	3.077	0	%100
63	MP4C	X	1.777	1.777	0	%100
64	MP4C	Z	3.077	3.077	0	%100
65	MP1B	X	1.777	1.777	0	%100
66	MP1B	Z	3.077	3.077	0	%100
67	MP2B	X	1.777	1.777	0	%100
68	MP2B	Z	3.077	3.077	0	%100
69	MP3B	X	1.777	1.777	0	%100
70	MP3B	Z	3.077	3.077	0	%100
71	MP4B	X	1.777	1.777	0	%100
72	MP4B	Z	3.077	3.077	0	%100
73	OVP1	X	1.457	1.457	0	%100
74	OVP1	Z	2.524	2.524	0	%100
75	OVP2	X	1.457	1.457	0	%100
76	OVP2	Z	2.524	2.524	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	3.916	3.916	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	3.916	3.916	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	3.846	3.846	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	.979	.979	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	.979	.979	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	.962	.962	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	.979	.979	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	.979	.979	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	.962	.962	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	1.405	1.405	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	1.405	1.405	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	5.618	5.618	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	2.975	2.975	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	2.975	2.975	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	2.705	2.705	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	2.705	2.705	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	3.553	3.553	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M109A	X	0	0	0	%100
40	M109A	Z	.085	.085	0	%100
41	M110A	X	0	0	0	%100
42	M110A	Z	.114	.114	0	%100
43	M111	X	0	0	0	%100
44	M111	Z	2.617	2.617	0	%100
45	M112A	X	0	0	0	%100
46	M112A	Z	2.367	2.367	0	%100
47	M113A	X	0	0	0	%100
48	M113A	Z	1.759	1.759	0	%100
49	M114	X	0	0	0	%100
50	M114	Z	3.521	3.521	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	3.553	3.553	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	3.553	3.553	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	3.553	3.553	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	3.553	3.553	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	3.553	3.553	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	3.553	3.553	0	%100
63	MP4C	X	0	0	0	%100
64	MP4C	Z	3.553	3.553	0	%100
65	MP1B	X	0	0	0	%100
66	MP1B	Z	3.553	3.553	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	3.553	3.553	0	%100
69	MP3B	X	0	0	0	%100
70	MP3B	Z	3.553	3.553	0	%100
71	MP4B	X	0	0	0	%100
72	MP4B	Z	3.553	3.553	0	%100
73	OVP1	X	0	0	0	%100
74	OVP1	Z	2.915	2.915	0	%100
75	OVP2	X	0	0	0	%100
76	OVP2	Z	2.915	2.915	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.469	-1.469	0	%100
2	M1	Z	2.544	2.544	0	%100
3	M3	X	-1.469	-1.469	0	%100
4	M3	Z	2.544	2.544	0	%100
5	M5	X	-1.442	-1.442	0	%100
6	M5	Z	2.498	2.498	0	%100
7	M13	X	-1.469	-1.469	0	%100
8	M13	Z	2.544	2.544	0	%100
9	M15	X	-1.469	-1.469	0	%100
10	M15	Z	2.544	2.544	0	%100
11	M17	X	-1.442	-1.442	0	%100
12	M17	Z	2.498	2.498	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M29	Z	0	0	0	%100
19	M37	X	-2.107	-2.107	0	%100
20	M37	Z	3.649	3.649	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	-2.107	-2.107	0	%100
24	M39	Z	3.649	3.649	0	%100
25	M40	X	-.496	-.496	0	%100
26	M40	Z	.859	.859	0	%100
27	M41	X	-.496	-.496	0	%100
28	M41	Z	.859	.859	0	%100
29	M42	X	-1.983	-1.983	0	%100
30	M42	Z	3.435	3.435	0	%100
31	M43	X	-.451	-.451	0	%100
32	M43	Z	.781	.781	0	%100
33	M47	X	-.451	-.451	0	%100
34	M47	Z	.781	.781	0	%100
35	M51	X	-1.803	-1.803	0	%100
36	M51	Z	3.123	3.123	0	%100
37	MP1A	X	-1.777	-1.777	0	%100
38	MP1A	Z	3.077	3.077	0	%100
39	M109A	X	-.178	-.178	0	%100
40	M109A	Z	.309	.309	0	%100
41	M110A	X	-.817	-.817	0	%100
42	M110A	Z	1.416	1.416	0	%100
43	M111	X	-.608	-.608	0	%100
44	M111	Z	1.052	1.052	0	%100
45	M112A	X	-.24	-.24	0	%100
46	M112A	Z	.416	.416	0	%100
47	M113A	X	-1.445	-1.445	0	%100
48	M113A	Z	2.502	2.502	0	%100
49	M114	X	-1.943	-1.943	0	%100
50	M114	Z	3.366	3.366	0	%100
51	MP2A	X	-1.777	-1.777	0	%100
52	MP2A	Z	3.077	3.077	0	%100
53	MP3A	X	-1.777	-1.777	0	%100
54	MP3A	Z	3.077	3.077	0	%100
55	MP4A	X	-1.777	-1.777	0	%100
56	MP4A	Z	3.077	3.077	0	%100
57	MP1C	X	-1.777	-1.777	0	%100
58	MP1C	Z	3.077	3.077	0	%100
59	MP2C	X	-1.777	-1.777	0	%100
60	MP2C	Z	3.077	3.077	0	%100
61	MP3C	X	-1.777	-1.777	0	%100
62	MP3C	Z	3.077	3.077	0	%100
63	MP4C	X	-1.777	-1.777	0	%100
64	MP4C	Z	3.077	3.077	0	%100
65	MP1B	X	-1.777	-1.777	0	%100
66	MP1B	Z	3.077	3.077	0	%100
67	MP2B	X	-1.777	-1.777	0	%100
68	MP2B	Z	3.077	3.077	0	%100
69	MP3B	X	-1.777	-1.777	0	%100
70	MP3B	Z	3.077	3.077	0	%100
71	MP4B	X	-1.777	-1.777	0	%100
72	MP4B	Z	3.077	3.077	0	%100
73	OVP1	X	-1.457	-1.457	0	%100
74	OVP1	Z	2.524	2.524	0	%100
75	OVP2	X	-1.457	-1.457	0	%100
76	OVP2	Z	2.524	2.524	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.848	-.848	0	%100
2	M1	Z	.49	.49	0	%100
3	M3	X	-.848	-.848	0	%100
4	M3	Z	.49	.49	0	%100
5	M5	X	-.833	-.833	0	%100
6	M5	Z	.481	.481	0	%100
7	M13	X	-3.392	-3.392	0	%100
8	M13	Z	1.958	1.958	0	%100
9	M15	X	-3.392	-3.392	0	%100
10	M15	Z	1.958	1.958	0	%100
11	M17	X	-3.331	-3.331	0	%100
12	M17	Z	1.923	1.923	0	%100
13	M25	X	-.848	-.848	0	%100
14	M25	Z	.49	.49	0	%100
15	M27	X	-.848	-.848	0	%100
16	M27	Z	.49	.49	0	%100
17	M29	X	-.833	-.833	0	%100
18	M29	Z	.481	.481	0	%100
19	M37	X	-4.865	-4.865	0	%100
20	M37	Z	2.809	2.809	0	%100
21	M38	X	-1.216	-1.216	0	%100
22	M38	Z	.702	.702	0	%100
23	M39	X	-1.216	-1.216	0	%100
24	M39	Z	.702	.702	0	%100
25	M40	X	-2.576	-2.576	0	%100
26	M40	Z	1.487	1.487	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	-2.576	-2.576	0	%100
30	M42	Z	1.487	1.487	0	%100
31	M43	X	-2.342	-2.342	0	%100
32	M43	Z	1.352	1.352	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	-2.342	-2.342	0	%100
36	M51	Z	1.352	1.352	0	%100
37	MP1A	X	-3.077	-3.077	0	%100
38	MP1A	Z	1.777	1.777	0	%100
39	M109A	X	-1.523	-1.523	0	%100
40	M109A	Z	.88	.88	0	%100
41	M110A	X	-3.049	-3.049	0	%100
42	M110A	Z	1.76	1.76	0	%100
43	M111	X	-.074	-.074	0	%100
44	M111	Z	.042	.042	0	%100
45	M112A	X	-.099	-.099	0	%100
46	M112A	Z	.057	.057	0	%100
47	M113A	X	-2.267	-2.267	0	%100
48	M113A	Z	1.309	1.309	0	%100
49	M114	X	-2.05	-2.05	0	%100
50	M114	Z	1.183	1.183	0	%100
51	MP2A	X	-3.077	-3.077	0	%100
52	MP2A	Z	1.777	1.777	0	%100
53	MP3A	X	-3.077	-3.077	0	%100
54	MP3A	Z	1.777	1.777	0	%100
55	MP4A	X	-3.077	-3.077	0	%100
56	MP4A	Z	1.777	1.777	0	%100
57	MP1C	X	-3.077	-3.077	0	%100
58	MP1C	Z	1.777	1.777	0	%100
59	MP2C	X	-3.077	-3.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP2C	Z	1.777	1.777	0	%100
61	MP3C	X	-3.077	-3.077	0	%100
62	MP3C	Z	1.777	1.777	0	%100
63	MP4C	X	-3.077	-3.077	0	%100
64	MP4C	Z	1.777	1.777	0	%100
65	MP1B	X	-3.077	-3.077	0	%100
66	MP1B	Z	1.777	1.777	0	%100
67	MP2B	X	-3.077	-3.077	0	%100
68	MP2B	Z	1.777	1.777	0	%100
69	MP3B	X	-3.077	-3.077	0	%100
70	MP3B	Z	1.777	1.777	0	%100
71	MP4B	X	-3.077	-3.077	0	%100
72	MP4B	Z	1.777	1.777	0	%100
73	OVP1	X	-2.524	-2.524	0	%100
74	OVP1	Z	1.457	1.457	0	%100
75	OVP2	X	-2.524	-2.524	0	%100
76	OVP2	Z	1.457	1.457	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M13	X	-2.937	-2.937	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	-2.937	-2.937	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	-2.885	-2.885	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	-2.937	-2.937	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	-2.937	-2.937	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	-2.885	-2.885	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	-4.214	-4.214	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	-4.214	-4.214	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	0	0	0	%100
25	M40	X	-3.967	-3.967	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	-.992	-.992	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	-.992	-.992	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	-3.606	-3.606	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	-.902	-.902	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	-.902	-.902	0	%100
36	M51	Z	0	0	0	%100
37	MP1A	X	-3.553	-3.553	0	%100
38	MP1A	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,...	Start Location[ft,%]	End Location[ft,%]
39	M109A	X	-2.889	-2.889	0	%100
40	M109A	Z	0	0	0	%100
41	M110A	X	-3.887	-3.887	0	%100
42	M110A	Z	0	0	0	%100
43	M111	X	-.357	-.357	0	%100
44	M111	Z	0	0	0	%100
45	M112A	X	-1.635	-1.635	0	%100
46	M112A	Z	0	0	0	%100
47	M113A	X	-1.215	-1.215	0	%100
48	M113A	Z	0	0	0	%100
49	M114	X	-.48	-.48	0	%100
50	M114	Z	0	0	0	%100
51	MP2A	X	-3.553	-3.553	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-3.553	-3.553	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	-3.553	-3.553	0	%100
56	MP4A	Z	0	0	0	%100
57	MP1C	X	-3.553	-3.553	0	%100
58	MP1C	Z	0	0	0	%100
59	MP2C	X	-3.553	-3.553	0	%100
60	MP2C	Z	0	0	0	%100
61	MP3C	X	-3.553	-3.553	0	%100
62	MP3C	Z	0	0	0	%100
63	MP4C	X	-3.553	-3.553	0	%100
64	MP4C	Z	0	0	0	%100
65	MP1B	X	-3.553	-3.553	0	%100
66	MP1B	Z	0	0	0	%100
67	MP2B	X	-3.553	-3.553	0	%100
68	MP2B	Z	0	0	0	%100
69	MP3B	X	-3.553	-3.553	0	%100
70	MP3B	Z	0	0	0	%100
71	MP4B	X	-3.553	-3.553	0	%100
72	MP4B	Z	0	0	0	%100
73	OVP1	X	-2.915	-2.915	0	%100
74	OVP1	Z	0	0	0	%100
75	OVP2	X	-2.915	-2.915	0	%100
76	OVP2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.848	-.848	0	%100
2	M1	Z	-.49	-.49	0	%100
3	M3	X	-.848	-.848	0	%100
4	M3	Z	-.49	-.49	0	%100
5	M5	X	-.833	-.833	0	%100
6	M5	Z	-.481	-.481	0	%100
7	M13	X	-.848	-.848	0	%100
8	M13	Z	-.49	-.49	0	%100
9	M15	X	-.848	-.848	0	%100
10	M15	Z	-.49	-.49	0	%100
11	M17	X	-.833	-.833	0	%100
12	M17	Z	-.481	-.481	0	%100
13	M25	X	-3.392	-3.392	0	%100
14	M25	Z	-1.958	-1.958	0	%100
15	M27	X	-3.392	-3.392	0	%100
16	M27	Z	-1.958	-1.958	0	%100
17	M29	X	-3.331	-3.331	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M29	Z	-1.923	-1.923	0	%100
19	M37	X	-1.216	-1.216	0	%100
20	M37	Z	-.702	-.702	0	%100
21	M38	X	-4.865	-4.865	0	%100
22	M38	Z	-2.809	-2.809	0	%100
23	M39	X	-1.216	-1.216	0	%100
24	M39	Z	-.702	-.702	0	%100
25	M40	X	-2.576	-2.576	0	%100
26	M40	Z	-1.487	-1.487	0	%100
27	M41	X	-2.576	-2.576	0	%100
28	M41	Z	-1.487	-1.487	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	-2.342	-2.342	0	%100
32	M43	Z	-1.352	-1.352	0	%100
33	M47	X	-2.342	-2.342	0	%100
34	M47	Z	-1.352	-1.352	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	0	0	0	%100
37	MP1A	X	-3.077	-3.077	0	%100
38	MP1A	Z	-1.777	-1.777	0	%100
39	M109A	X	-2.267	-2.267	0	%100
40	M109A	Z	-1.309	-1.309	0	%100
41	M110A	X	-2.05	-2.05	0	%100
42	M110A	Z	-1.183	-1.183	0	%100
43	M111	X	-1.523	-1.523	0	%100
44	M111	Z	-.88	-.88	0	%100
45	M112A	X	-3.049	-3.049	0	%100
46	M112A	Z	-1.76	-1.76	0	%100
47	M113A	X	-.074	-.074	0	%100
48	M113A	Z	-.042	-.042	0	%100
49	M114	X	-.099	-.099	0	%100
50	M114	Z	-.057	-.057	0	%100
51	MP2A	X	-3.077	-3.077	0	%100
52	MP2A	Z	-1.777	-1.777	0	%100
53	MP3A	X	-3.077	-3.077	0	%100
54	MP3A	Z	-1.777	-1.777	0	%100
55	MP4A	X	-3.077	-3.077	0	%100
56	MP4A	Z	-1.777	-1.777	0	%100
57	MP1C	X	-3.077	-3.077	0	%100
58	MP1C	Z	-1.777	-1.777	0	%100
59	MP2C	X	-3.077	-3.077	0	%100
60	MP2C	Z	-1.777	-1.777	0	%100
61	MP3C	X	-3.077	-3.077	0	%100
62	MP3C	Z	-1.777	-1.777	0	%100
63	MP4C	X	-3.077	-3.077	0	%100
64	MP4C	Z	-1.777	-1.777	0	%100
65	MP1B	X	-3.077	-3.077	0	%100
66	MP1B	Z	-1.777	-1.777	0	%100
67	MP2B	X	-3.077	-3.077	0	%100
68	MP2B	Z	-1.777	-1.777	0	%100
69	MP3B	X	-3.077	-3.077	0	%100
70	MP3B	Z	-1.777	-1.777	0	%100
71	MP4B	X	-3.077	-3.077	0	%100
72	MP4B	Z	-1.777	-1.777	0	%100
73	OVP1	X	-2.524	-2.524	0	%100
74	OVP1	Z	-1.457	-1.457	0	%100
75	OVP2	X	-2.524	-2.524	0	%100
76	OVP2	Z	-1.457	-1.457	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.469	-1.469	0	%100
2	M1	Z	-2.544	-2.544	0	%100
3	M3	X	-1.469	-1.469	0	%100
4	M3	Z	-2.544	-2.544	0	%100
5	M5	X	-1.442	-1.442	0	%100
6	M5	Z	-2.498	-2.498	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	-1.469	-1.469	0	%100
14	M25	Z	-2.544	-2.544	0	%100
15	M27	X	-1.469	-1.469	0	%100
16	M27	Z	-2.544	-2.544	0	%100
17	M29	X	-1.442	-1.442	0	%100
18	M29	Z	-2.498	-2.498	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	-2.107	-2.107	0	%100
22	M38	Z	-3.649	-3.649	0	%100
23	M39	X	-2.107	-2.107	0	%100
24	M39	Z	-3.649	-3.649	0	%100
25	M40	X	-.496	-.496	0	%100
26	M40	Z	-.859	-.859	0	%100
27	M41	X	-1.983	-1.983	0	%100
28	M41	Z	-3.435	-3.435	0	%100
29	M42	X	-.496	-.496	0	%100
30	M42	Z	-.859	-.859	0	%100
31	M43	X	-.451	-.451	0	%100
32	M43	Z	-.781	-.781	0	%100
33	M47	X	-1.803	-1.803	0	%100
34	M47	Z	-3.123	-3.123	0	%100
35	M51	X	-.451	-.451	0	%100
36	M51	Z	-.781	-.781	0	%100
37	MP1A	X	-1.777	-1.777	0	%100
38	MP1A	Z	-3.077	-3.077	0	%100
39	M109A	X	-.608	-.608	0	%100
40	M109A	Z	-1.052	-1.052	0	%100
41	M110A	X	-.24	-.24	0	%100
42	M110A	Z	-.416	-.416	0	%100
43	M111	X	-1.445	-1.445	0	%100
44	M111	Z	-2.502	-2.502	0	%100
45	M112A	X	-1.943	-1.943	0	%100
46	M112A	Z	-3.366	-3.366	0	%100
47	M113A	X	-.178	-.178	0	%100
48	M113A	Z	-.309	-.309	0	%100
49	M114	X	-.817	-.817	0	%100
50	M114	Z	-1.416	-1.416	0	%100
51	MP2A	X	-1.777	-1.777	0	%100
52	MP2A	Z	-3.077	-3.077	0	%100
53	MP3A	X	-1.777	-1.777	0	%100
54	MP3A	Z	-3.077	-3.077	0	%100
55	MP4A	X	-1.777	-1.777	0	%100
56	MP4A	Z	-3.077	-3.077	0	%100
57	MP1C	X	-1.777	-1.777	0	%100
58	MP1C	Z	-3.077	-3.077	0	%100
59	MP2C	X	-1.777	-1.777	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP2C	Z	-3.077	-3.077	0	%100
61	MP3C	X	-1.777	-1.777	0	%100
62	MP3C	Z	-3.077	-3.077	0	%100
63	MP4C	X	-1.777	-1.777	0	%100
64	MP4C	Z	-3.077	-3.077	0	%100
65	MP1B	X	-1.777	-1.777	0	%100
66	MP1B	Z	-3.077	-3.077	0	%100
67	MP2B	X	-1.777	-1.777	0	%100
68	MP2B	Z	-3.077	-3.077	0	%100
69	MP3B	X	-1.777	-1.777	0	%100
70	MP3B	Z	-3.077	-3.077	0	%100
71	MP4B	X	-1.777	-1.777	0	%100
72	MP4B	Z	-3.077	-3.077	0	%100
73	OVP1	X	-1.457	-1.457	0	%100
74	OVP1	Z	-2.524	-2.524	0	%100
75	OVP2	X	-1.457	-1.457	0	%100
76	OVP2	Z	-2.524	-2.524	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.759	-.759	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	-.759	-.759	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	-.748	-.748	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	-.19	-.19	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	-.19	-.19	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	-.187	-.187	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	-.19	-.19	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	-.19	-.19	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	-.187	-.187	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	-.408	-.408	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	-.408	-.408	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	-1.631	-1.631	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	-.596	-.596	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	-.596	-.596	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	-.543	-.543	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	-.543	-.543	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-.645	-.645	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M109A	X	0	0	0	%100
40	M109A	Z	-.016	-.016	0	%100
41	M110A	X	0	0	0	%100
42	M110A	Z	-.026	-.026	0	%100
43	M111	X	0	0	0	%100
44	M111	Z	-.488	-.488	0	%100
45	M112A	X	0	0	0	%100
46	M112A	Z	-.547	-.547	0	%100
47	M113A	X	0	0	0	%100
48	M113A	Z	-.328	-.328	0	%100
49	M114	X	0	0	0	%100
50	M114	Z	-.813	-.813	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-.645	-.645	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-.645	-.645	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-.645	-.645	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	-.645	-.645	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	-.645	-.645	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	-.645	-.645	0	%100
63	MP4C	X	0	0	0	%100
64	MP4C	Z	-.645	-.645	0	%100
65	MP1B	X	0	0	0	%100
66	MP1B	Z	-.645	-.645	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	-.645	-.645	0	%100
69	MP3B	X	0	0	0	%100
70	MP3B	Z	-.645	-.645	0	%100
71	MP4B	X	0	0	0	%100
72	MP4B	Z	-.645	-.645	0	%100
73	OVP1	X	0	0	0	%100
74	OVP1	Z	-.528	-.528	0	%100
75	OVP2	X	0	0	0	%100
76	OVP2	Z	-.528	-.528	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.285	.285	0	%100
2	M1	Z	-.493	-.493	0	%100
3	M3	X	.285	.285	0	%100
4	M3	Z	-.493	-.493	0	%100
5	M5	X	.281	.281	0	%100
6	M5	Z	-.486	-.486	0	%100
7	M13	X	.285	.285	0	%100
8	M13	Z	-.493	-.493	0	%100
9	M15	X	.285	.285	0	%100
10	M15	Z	-.493	-.493	0	%100
11	M17	X	.281	.281	0	%100
12	M17	Z	-.486	-.486	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M29	Z	0	0	0	%100
19	M37	X	.612	.612	0	%100
20	M37	Z	-1.059	-1.059	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	.612	.612	0	%100
24	M39	Z	-1.059	-1.059	0	%100
25	M40	X	.099	.099	0	%100
26	M40	Z	-.172	-.172	0	%100
27	M41	X	.099	.099	0	%100
28	M41	Z	-.172	-.172	0	%100
29	M42	X	.397	.397	0	%100
30	M42	Z	-.688	-.688	0	%100
31	M43	X	.09	.09	0	%100
32	M43	Z	-.157	-.157	0	%100
33	M47	X	.09	.09	0	%100
34	M47	Z	-.157	-.157	0	%100
35	M51	X	.362	.362	0	%100
36	M51	Z	-.627	-.627	0	%100
37	MP1A	X	.323	.323	0	%100
38	MP1A	Z	-.559	-.559	0	%100
39	M109A	X	.033	.033	0	%100
40	M109A	Z	-.058	-.058	0	%100
41	M110A	X	.189	.189	0	%100
42	M110A	Z	-.327	-.327	0	%100
43	M111	X	.113	.113	0	%100
44	M111	Z	-.196	-.196	0	%100
45	M112A	X	.055	.055	0	%100
46	M112A	Z	-.096	-.096	0	%100
47	M113A	X	.269	.269	0	%100
48	M113A	Z	-.467	-.467	0	%100
49	M114	X	.449	.449	0	%100
50	M114	Z	-.778	-.778	0	%100
51	MP2A	X	.323	.323	0	%100
52	MP2A	Z	-.559	-.559	0	%100
53	MP3A	X	.323	.323	0	%100
54	MP3A	Z	-.559	-.559	0	%100
55	MP4A	X	.323	.323	0	%100
56	MP4A	Z	-.559	-.559	0	%100
57	MP1C	X	.323	.323	0	%100
58	MP1C	Z	-.559	-.559	0	%100
59	MP2C	X	.323	.323	0	%100
60	MP2C	Z	-.559	-.559	0	%100
61	MP3C	X	.323	.323	0	%100
62	MP3C	Z	-.559	-.559	0	%100
63	MP4C	X	.323	.323	0	%100
64	MP4C	Z	-.559	-.559	0	%100
65	MP1B	X	.323	.323	0	%100
66	MP1B	Z	-.559	-.559	0	%100
67	MP2B	X	.323	.323	0	%100
68	MP2B	Z	-.559	-.559	0	%100
69	MP3B	X	.323	.323	0	%100
70	MP3B	Z	-.559	-.559	0	%100
71	MP4B	X	.323	.323	0	%100
72	MP4B	Z	-.559	-.559	0	%100
73	OVP1	X	.264	.264	0	%100
74	OVP1	Z	-.457	-.457	0	%100
75	OVP2	X	.264	.264	0	%100
76	OVP2	Z	-.457	-.457	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.164	.164	0	%100
2	M1	Z	-.095	-.095	0	%100
3	M3	X	.164	.164	0	%100
4	M3	Z	-.095	-.095	0	%100
5	M5	X	.162	.162	0	%100
6	M5	Z	-.094	-.094	0	%100
7	M13	X	.658	.658	0	%100
8	M13	Z	-.38	-.38	0	%100
9	M15	X	.658	.658	0	%100
10	M15	Z	-.38	-.38	0	%100
11	M17	X	.648	.648	0	%100
12	M17	Z	-.374	-.374	0	%100
13	M25	X	.164	.164	0	%100
14	M25	Z	-.095	-.095	0	%100
15	M27	X	.164	.164	0	%100
16	M27	Z	-.095	-.095	0	%100
17	M29	X	.162	.162	0	%100
18	M29	Z	-.094	-.094	0	%100
19	M37	X	1.412	1.412	0	%100
20	M37	Z	-.815	-.815	0	%100
21	M38	X	.353	.353	0	%100
22	M38	Z	-.204	-.204	0	%100
23	M39	X	.353	.353	0	%100
24	M39	Z	-.204	-.204	0	%100
25	M40	X	.516	.516	0	%100
26	M40	Z	-.298	-.298	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	.516	.516	0	%100
30	M42	Z	-.298	-.298	0	%100
31	M43	X	.47	.47	0	%100
32	M43	Z	-.271	-.271	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	.47	.47	0	%100
36	M51	Z	-.271	-.271	0	%100
37	MP1A	X	.559	.559	0	%100
38	MP1A	Z	-.323	-.323	0	%100
39	M109A	X	.284	.284	0	%100
40	M109A	Z	-.164	-.164	0	%100
41	M110A	X	.704	.704	0	%100
42	M110A	Z	-.407	-.407	0	%100
43	M111	X	.014	.014	0	%100
44	M111	Z	-.008	-.008	0	%100
45	M112A	X	.023	.023	0	%100
46	M112A	Z	-.013	-.013	0	%100
47	M113A	X	.423	.423	0	%100
48	M113A	Z	-.244	-.244	0	%100
49	M114	X	.473	.473	0	%100
50	M114	Z	-.273	-.273	0	%100
51	MP2A	X	.559	.559	0	%100
52	MP2A	Z	-.323	-.323	0	%100
53	MP3A	X	.559	.559	0	%100
54	MP3A	Z	-.323	-.323	0	%100
55	MP4A	X	.559	.559	0	%100
56	MP4A	Z	-.323	-.323	0	%100
57	MP1C	X	.559	.559	0	%100
58	MP1C	Z	-.323	-.323	0	%100
59	MP2C	X	.559	.559	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP2C	Z	-.323	-.323	0	%100
61	MP3C	X	.559	.559	0	%100
62	MP3C	Z	-.323	-.323	0	%100
63	MP4C	X	.559	.559	0	%100
64	MP4C	Z	-.323	-.323	0	%100
65	MP1B	X	.559	.559	0	%100
66	MP1B	Z	-.323	-.323	0	%100
67	MP2B	X	.559	.559	0	%100
68	MP2B	Z	-.323	-.323	0	%100
69	MP3B	X	.559	.559	0	%100
70	MP3B	Z	-.323	-.323	0	%100
71	MP4B	X	.559	.559	0	%100
72	MP4B	Z	-.323	-.323	0	%100
73	OVP1	X	.457	.457	0	%100
74	OVP1	Z	-.264	-.264	0	%100
75	OVP2	X	.457	.457	0	%100
76	OVP2	Z	-.264	-.264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M13	X	.569	.569	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	.569	.569	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	.561	.561	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	.569	.569	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	.569	.569	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	.561	.561	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	1.223	1.223	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	1.223	1.223	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	0	0	0	%100
25	M40	X	.794	.794	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	.199	.199	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	.199	.199	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	.724	.724	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	.181	.181	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	.181	.181	0	%100
36	M51	Z	0	0	0	%100
37	MP1A	X	.645	.645	0	%100
38	MP1A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M109A	X	.539	.539	0	%100
40	M109A	Z	0	0	0	%100
41	M110A	X	.898	.898	0	%100
42	M110A	Z	0	0	0	%100
43	M111	X	.067	.067	0	%100
44	M111	Z	0	0	0	%100
45	M112A	X	.378	.378	0	%100
46	M112A	Z	0	0	0	%100
47	M113A	X	.227	.227	0	%100
48	M113A	Z	0	0	0	%100
49	M114	X	.111	.111	0	%100
50	M114	Z	0	0	0	%100
51	MP2A	X	.645	.645	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	.645	.645	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	.645	.645	0	%100
56	MP4A	Z	0	0	0	%100
57	MP1C	X	.645	.645	0	%100
58	MP1C	Z	0	0	0	%100
59	MP2C	X	.645	.645	0	%100
60	MP2C	Z	0	0	0	%100
61	MP3C	X	.645	.645	0	%100
62	MP3C	Z	0	0	0	%100
63	MP4C	X	.645	.645	0	%100
64	MP4C	Z	0	0	0	%100
65	MP1B	X	.645	.645	0	%100
66	MP1B	Z	0	0	0	%100
67	MP2B	X	.645	.645	0	%100
68	MP2B	Z	0	0	0	%100
69	MP3B	X	.645	.645	0	%100
70	MP3B	Z	0	0	0	%100
71	MP4B	X	.645	.645	0	%100
72	MP4B	Z	0	0	0	%100
73	OVP1	X	.528	.528	0	%100
74	OVP1	Z	0	0	0	%100
75	OVP2	X	.528	.528	0	%100
76	OVP2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.164	.164	0	%100
2	M1	Z	.095	.095	0	%100
3	M3	X	.164	.164	0	%100
4	M3	Z	.095	.095	0	%100
5	M5	X	.162	.162	0	%100
6	M5	Z	.094	.094	0	%100
7	M13	X	.164	.164	0	%100
8	M13	Z	.095	.095	0	%100
9	M15	X	.164	.164	0	%100
10	M15	Z	.095	.095	0	%100
11	M17	X	.162	.162	0	%100
12	M17	Z	.094	.094	0	%100
13	M25	X	.658	.658	0	%100
14	M25	Z	.38	.38	0	%100
15	M27	X	.658	.658	0	%100
16	M27	Z	.38	.38	0	%100
17	M29	X	.648	.648	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M29	Z	.374	.374	0	%100
19	M37	X	.353	.353	0	%100
20	M37	Z	.204	.204	0	%100
21	M38	X	1.412	1.412	0	%100
22	M38	Z	.815	.815	0	%100
23	M39	X	.353	.353	0	%100
24	M39	Z	.204	.204	0	%100
25	M40	X	.516	.516	0	%100
26	M40	Z	.298	.298	0	%100
27	M41	X	.516	.516	0	%100
28	M41	Z	.298	.298	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	.47	.47	0	%100
32	M43	Z	.271	.271	0	%100
33	M47	X	.47	.47	0	%100
34	M47	Z	.271	.271	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	0	0	0	%100
37	MP1A	X	.559	.559	0	%100
38	MP1A	Z	.323	.323	0	%100
39	M109A	X	.423	.423	0	%100
40	M109A	Z	.244	.244	0	%100
41	M110A	X	.473	.473	0	%100
42	M110A	Z	.273	.273	0	%100
43	M111	X	.284	.284	0	%100
44	M111	Z	.164	.164	0	%100
45	M112A	X	.704	.704	0	%100
46	M112A	Z	.407	.407	0	%100
47	M113A	X	.014	.014	0	%100
48	M113A	Z	.008	.008	0	%100
49	M114	X	.023	.023	0	%100
50	M114	Z	.013	.013	0	%100
51	MP2A	X	.559	.559	0	%100
52	MP2A	Z	.323	.323	0	%100
53	MP3A	X	.559	.559	0	%100
54	MP3A	Z	.323	.323	0	%100
55	MP4A	X	.559	.559	0	%100
56	MP4A	Z	.323	.323	0	%100
57	MP1C	X	.559	.559	0	%100
58	MP1C	Z	.323	.323	0	%100
59	MP2C	X	.559	.559	0	%100
60	MP2C	Z	.323	.323	0	%100
61	MP3C	X	.559	.559	0	%100
62	MP3C	Z	.323	.323	0	%100
63	MP4C	X	.559	.559	0	%100
64	MP4C	Z	.323	.323	0	%100
65	MP1B	X	.559	.559	0	%100
66	MP1B	Z	.323	.323	0	%100
67	MP2B	X	.559	.559	0	%100
68	MP2B	Z	.323	.323	0	%100
69	MP3B	X	.559	.559	0	%100
70	MP3B	Z	.323	.323	0	%100
71	MP4B	X	.559	.559	0	%100
72	MP4B	Z	.323	.323	0	%100
73	OVP1	X	.457	.457	0	%100
74	OVP1	Z	.264	.264	0	%100
75	OVP2	X	.457	.457	0	%100
76	OVP2	Z	.264	.264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.285	.285	0	%100
2	M1	Z	.493	.493	0	%100
3	M3	X	.285	.285	0	%100
4	M3	Z	.493	.493	0	%100
5	M5	X	.281	.281	0	%100
6	M5	Z	.486	.486	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	.285	.285	0	%100
14	M25	Z	.493	.493	0	%100
15	M27	X	.285	.285	0	%100
16	M27	Z	.493	.493	0	%100
17	M29	X	.281	.281	0	%100
18	M29	Z	.486	.486	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	.612	.612	0	%100
22	M38	Z	1.059	1.059	0	%100
23	M39	X	.612	.612	0	%100
24	M39	Z	1.059	1.059	0	%100
25	M40	X	.099	.099	0	%100
26	M40	Z	.172	.172	0	%100
27	M41	X	.397	.397	0	%100
28	M41	Z	.688	.688	0	%100
29	M42	X	.099	.099	0	%100
30	M42	Z	.172	.172	0	%100
31	M43	X	.09	.09	0	%100
32	M43	Z	.157	.157	0	%100
33	M47	X	.362	.362	0	%100
34	M47	Z	.627	.627	0	%100
35	M51	X	.09	.09	0	%100
36	M51	Z	.157	.157	0	%100
37	MP1A	X	.323	.323	0	%100
38	MP1A	Z	.559	.559	0	%100
39	M109A	X	.113	.113	0	%100
40	M109A	Z	.196	.196	0	%100
41	M110A	X	.055	.055	0	%100
42	M110A	Z	.096	.096	0	%100
43	M111	X	.269	.269	0	%100
44	M111	Z	.467	.467	0	%100
45	M112A	X	.449	.449	0	%100
46	M112A	Z	.778	.778	0	%100
47	M113A	X	.033	.033	0	%100
48	M113A	Z	.058	.058	0	%100
49	M114	X	.189	.189	0	%100
50	M114	Z	.327	.327	0	%100
51	MP2A	X	.323	.323	0	%100
52	MP2A	Z	.559	.559	0	%100
53	MP3A	X	.323	.323	0	%100
54	MP3A	Z	.559	.559	0	%100
55	MP4A	X	.323	.323	0	%100
56	MP4A	Z	.559	.559	0	%100
57	MP1C	X	.323	.323	0	%100
58	MP1C	Z	.559	.559	0	%100
59	MP2C	X	.323	.323	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP2C	Z	.559	.559	0	%100
61	MP3C	X	.323	.323	0	%100
62	MP3C	Z	.559	.559	0	%100
63	MP4C	X	.323	.323	0	%100
64	MP4C	Z	.559	.559	0	%100
65	MP1B	X	.323	.323	0	%100
66	MP1B	Z	.559	.559	0	%100
67	MP2B	X	.323	.323	0	%100
68	MP2B	Z	.559	.559	0	%100
69	MP3B	X	.323	.323	0	%100
70	MP3B	Z	.559	.559	0	%100
71	MP4B	X	.323	.323	0	%100
72	MP4B	Z	.559	.559	0	%100
73	OVP1	X	.264	.264	0	%100
74	OVP1	Z	.457	.457	0	%100
75	OVP2	X	.264	.264	0	%100
76	OVP2	Z	.457	.457	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.759	.759	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	.759	.759	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	.748	.748	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	.19	.19	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	.19	.19	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	.187	.187	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	.19	.19	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	.19	.19	0	%100
17	M29	X	0	0	0	%100
18	M29	Z	.187	.187	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	.408	.408	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	.408	.408	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	1.631	1.631	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	.596	.596	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	.596	.596	0	%100
31	M43	X	0	0	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	.543	.543	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	.543	.543	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	.645	.645	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M109A	X	0	0	0	%100
40	M109A	Z	.016	.016	0	%100
41	M110A	X	0	0	0	%100
42	M110A	Z	.026	.026	0	%100
43	M111	X	0	0	0	%100
44	M111	Z	.488	.488	0	%100
45	M112A	X	0	0	0	%100
46	M112A	Z	.547	.547	0	%100
47	M113A	X	0	0	0	%100
48	M113A	Z	.328	.328	0	%100
49	M114	X	0	0	0	%100
50	M114	Z	.813	.813	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	.645	.645	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	.645	.645	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	.645	.645	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	.645	.645	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	.645	.645	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	.645	.645	0	%100
63	MP4C	X	0	0	0	%100
64	MP4C	Z	.645	.645	0	%100
65	MP1B	X	0	0	0	%100
66	MP1B	Z	.645	.645	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	.645	.645	0	%100
69	MP3B	X	0	0	0	%100
70	MP3B	Z	.645	.645	0	%100
71	MP4B	X	0	0	0	%100
72	MP4B	Z	.645	.645	0	%100
73	OVP1	X	0	0	0	%100
74	OVP1	Z	.528	.528	0	%100
75	OVP2	X	0	0	0	%100
76	OVP2	Z	.528	.528	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.285	-.285	0	%100
2	M1	Z	.493	.493	0	%100
3	M3	X	-.285	-.285	0	%100
4	M3	Z	.493	.493	0	%100
5	M5	X	-.281	-.281	0	%100
6	M5	Z	.486	.486	0	%100
7	M13	X	-.285	-.285	0	%100
8	M13	Z	.493	.493	0	%100
9	M15	X	-.285	-.285	0	%100
10	M15	Z	.493	.493	0	%100
11	M17	X	-.281	-.281	0	%100
12	M17	Z	.486	.486	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	0	0	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M29	Z	0	0	0	%100
19	M37	X	-.612	-.612	0	%100
20	M37	Z	1.059	1.059	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	-.612	-.612	0	%100
24	M39	Z	1.059	1.059	0	%100
25	M40	X	-.099	-.099	0	%100
26	M40	Z	.172	.172	0	%100
27	M41	X	-.099	-.099	0	%100
28	M41	Z	.172	.172	0	%100
29	M42	X	-.397	-.397	0	%100
30	M42	Z	.688	.688	0	%100
31	M43	X	-.09	-.09	0	%100
32	M43	Z	.157	.157	0	%100
33	M47	X	-.09	-.09	0	%100
34	M47	Z	.157	.157	0	%100
35	M51	X	-.362	-.362	0	%100
36	M51	Z	.627	.627	0	%100
37	MP1A	X	-.323	-.323	0	%100
38	MP1A	Z	.559	.559	0	%100
39	M109A	X	-.033	-.033	0	%100
40	M109A	Z	.058	.058	0	%100
41	M110A	X	-.189	-.189	0	%100
42	M110A	Z	.327	.327	0	%100
43	M111	X	-.113	-.113	0	%100
44	M111	Z	.196	.196	0	%100
45	M112A	X	-.055	-.055	0	%100
46	M112A	Z	.096	.096	0	%100
47	M113A	X	-.269	-.269	0	%100
48	M113A	Z	.467	.467	0	%100
49	M114	X	-.449	-.449	0	%100
50	M114	Z	.778	.778	0	%100
51	MP2A	X	-.323	-.323	0	%100
52	MP2A	Z	.559	.559	0	%100
53	MP3A	X	-.323	-.323	0	%100
54	MP3A	Z	.559	.559	0	%100
55	MP4A	X	-.323	-.323	0	%100
56	MP4A	Z	.559	.559	0	%100
57	MP1C	X	-.323	-.323	0	%100
58	MP1C	Z	.559	.559	0	%100
59	MP2C	X	-.323	-.323	0	%100
60	MP2C	Z	.559	.559	0	%100
61	MP3C	X	-.323	-.323	0	%100
62	MP3C	Z	.559	.559	0	%100
63	MP4C	X	-.323	-.323	0	%100
64	MP4C	Z	.559	.559	0	%100
65	MP1B	X	-.323	-.323	0	%100
66	MP1B	Z	.559	.559	0	%100
67	MP2B	X	-.323	-.323	0	%100
68	MP2B	Z	.559	.559	0	%100
69	MP3B	X	-.323	-.323	0	%100
70	MP3B	Z	.559	.559	0	%100
71	MP4B	X	-.323	-.323	0	%100
72	MP4B	Z	.559	.559	0	%100
73	OVP1	X	-.264	-.264	0	%100
74	OVP1	Z	.457	.457	0	%100
75	OVP2	X	-.264	-.264	0	%100
76	OVP2	Z	.457	.457	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.164	-.164	0	%100
2	M1	Z	.095	.095	0	%100
3	M3	X	-.164	-.164	0	%100
4	M3	Z	.095	.095	0	%100
5	M5	X	-.162	-.162	0	%100
6	M5	Z	.094	.094	0	%100
7	M13	X	-.658	-.658	0	%100
8	M13	Z	.38	.38	0	%100
9	M15	X	-.658	-.658	0	%100
10	M15	Z	.38	.38	0	%100
11	M17	X	-.648	-.648	0	%100
12	M17	Z	.374	.374	0	%100
13	M25	X	-.164	-.164	0	%100
14	M25	Z	.095	.095	0	%100
15	M27	X	-.164	-.164	0	%100
16	M27	Z	.095	.095	0	%100
17	M29	X	-.162	-.162	0	%100
18	M29	Z	.094	.094	0	%100
19	M37	X	-1.412	-1.412	0	%100
20	M37	Z	.815	.815	0	%100
21	M38	X	-.353	-.353	0	%100
22	M38	Z	.204	.204	0	%100
23	M39	X	-.353	-.353	0	%100
24	M39	Z	.204	.204	0	%100
25	M40	X	-.516	-.516	0	%100
26	M40	Z	.298	.298	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	-.516	-.516	0	%100
30	M42	Z	.298	.298	0	%100
31	M43	X	-.47	-.47	0	%100
32	M43	Z	.271	.271	0	%100
33	M47	X	0	0	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	-.47	-.47	0	%100
36	M51	Z	.271	.271	0	%100
37	MP1A	X	-.559	-.559	0	%100
38	MP1A	Z	.323	.323	0	%100
39	M109A	X	-.284	-.284	0	%100
40	M109A	Z	.164	.164	0	%100
41	M110A	X	-.704	-.704	0	%100
42	M110A	Z	.407	.407	0	%100
43	M111	X	-.014	-.014	0	%100
44	M111	Z	.008	.008	0	%100
45	M112A	X	-.023	-.023	0	%100
46	M112A	Z	.013	.013	0	%100
47	M113A	X	-.423	-.423	0	%100
48	M113A	Z	.244	.244	0	%100
49	M114	X	-.473	-.473	0	%100
50	M114	Z	.273	.273	0	%100
51	MP2A	X	-.559	-.559	0	%100
52	MP2A	Z	.323	.323	0	%100
53	MP3A	X	-.559	-.559	0	%100
54	MP3A	Z	.323	.323	0	%100
55	MP4A	X	-.559	-.559	0	%100
56	MP4A	Z	.323	.323	0	%100
57	MP1C	X	-.559	-.559	0	%100
58	MP1C	Z	.323	.323	0	%100
59	MP2C	X	-.559	-.559	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP2C	Z	.323	.323	0	%100
61	MP3C	X	-.559	-.559	0	%100
62	MP3C	Z	.323	.323	0	%100
63	MP4C	X	-.559	-.559	0	%100
64	MP4C	Z	.323	.323	0	%100
65	MP1B	X	-.559	-.559	0	%100
66	MP1B	Z	.323	.323	0	%100
67	MP2B	X	-.559	-.559	0	%100
68	MP2B	Z	.323	.323	0	%100
69	MP3B	X	-.559	-.559	0	%100
70	MP3B	Z	.323	.323	0	%100
71	MP4B	X	-.559	-.559	0	%100
72	MP4B	Z	.323	.323	0	%100
73	OVP1	X	-.457	-.457	0	%100
74	OVP1	Z	.264	.264	0	%100
75	OVP2	X	-.457	-.457	0	%100
76	OVP2	Z	.264	.264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M3	X	0	0	0	%100
4	M3	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M13	X	-.569	-.569	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	-.569	-.569	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	-.561	-.561	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	-.569	-.569	0	%100
14	M25	Z	0	0	0	%100
15	M27	X	-.569	-.569	0	%100
16	M27	Z	0	0	0	%100
17	M29	X	-.561	-.561	0	%100
18	M29	Z	0	0	0	%100
19	M37	X	-1.223	-1.223	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	-1.223	-1.223	0	%100
22	M38	Z	0	0	0	%100
23	M39	X	0	0	0	%100
24	M39	Z	0	0	0	%100
25	M40	X	-.794	-.794	0	%100
26	M40	Z	0	0	0	%100
27	M41	X	-.199	-.199	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	-.199	-.199	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	-.724	-.724	0	%100
32	M43	Z	0	0	0	%100
33	M47	X	-.181	-.181	0	%100
34	M47	Z	0	0	0	%100
35	M51	X	-.181	-.181	0	%100
36	M51	Z	0	0	0	%100
37	MP1A	X	-.645	-.645	0	%100
38	MP1A	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,...	Start Location[ft,%]	End Location[ft,%]
39	M109A	X	-.539	-.539	0	%100
40	M109A	Z	0	0	0	%100
41	M110A	X	-.898	-.898	0	%100
42	M110A	Z	0	0	0	%100
43	M111	X	-.067	-.067	0	%100
44	M111	Z	0	0	0	%100
45	M112A	X	-.378	-.378	0	%100
46	M112A	Z	0	0	0	%100
47	M113A	X	-.227	-.227	0	%100
48	M113A	Z	0	0	0	%100
49	M114	X	-.111	-.111	0	%100
50	M114	Z	0	0	0	%100
51	MP2A	X	-.645	-.645	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-.645	-.645	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	-.645	-.645	0	%100
56	MP4A	Z	0	0	0	%100
57	MP1C	X	-.645	-.645	0	%100
58	MP1C	Z	0	0	0	%100
59	MP2C	X	-.645	-.645	0	%100
60	MP2C	Z	0	0	0	%100
61	MP3C	X	-.645	-.645	0	%100
62	MP3C	Z	0	0	0	%100
63	MP4C	X	-.645	-.645	0	%100
64	MP4C	Z	0	0	0	%100
65	MP1B	X	-.645	-.645	0	%100
66	MP1B	Z	0	0	0	%100
67	MP2B	X	-.645	-.645	0	%100
68	MP2B	Z	0	0	0	%100
69	MP3B	X	-.645	-.645	0	%100
70	MP3B	Z	0	0	0	%100
71	MP4B	X	-.645	-.645	0	%100
72	MP4B	Z	0	0	0	%100
73	OVP1	X	-.528	-.528	0	%100
74	OVP1	Z	0	0	0	%100
75	OVP2	X	-.528	-.528	0	%100
76	OVP2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.164	-.164	0	%100
2	M1	Z	-.095	-.095	0	%100
3	M3	X	-.164	-.164	0	%100
4	M3	Z	-.095	-.095	0	%100
5	M5	X	-.162	-.162	0	%100
6	M5	Z	-.094	-.094	0	%100
7	M13	X	-.164	-.164	0	%100
8	M13	Z	-.095	-.095	0	%100
9	M15	X	-.164	-.164	0	%100
10	M15	Z	-.095	-.095	0	%100
11	M17	X	-.162	-.162	0	%100
12	M17	Z	-.094	-.094	0	%100
13	M25	X	-.658	-.658	0	%100
14	M25	Z	-.38	-.38	0	%100
15	M27	X	-.658	-.658	0	%100
16	M27	Z	-.38	-.38	0	%100
17	M29	X	-.648	-.648	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M29	Z	-.374	-.374	0	%100
19	M37	X	-.353	-.353	0	%100
20	M37	Z	-.204	-.204	0	%100
21	M38	X	-1.412	-1.412	0	%100
22	M38	Z	-.815	-.815	0	%100
23	M39	X	-.353	-.353	0	%100
24	M39	Z	-.204	-.204	0	%100
25	M40	X	-.516	-.516	0	%100
26	M40	Z	-.298	-.298	0	%100
27	M41	X	-.516	-.516	0	%100
28	M41	Z	-.298	-.298	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M43	X	-.47	-.47	0	%100
32	M43	Z	-.271	-.271	0	%100
33	M47	X	-.47	-.47	0	%100
34	M47	Z	-.271	-.271	0	%100
35	M51	X	0	0	0	%100
36	M51	Z	0	0	0	%100
37	MP1A	X	-.559	-.559	0	%100
38	MP1A	Z	-.323	-.323	0	%100
39	M109A	X	-.423	-.423	0	%100
40	M109A	Z	-.244	-.244	0	%100
41	M110A	X	-.473	-.473	0	%100
42	M110A	Z	-.273	-.273	0	%100
43	M111	X	-.284	-.284	0	%100
44	M111	Z	-.164	-.164	0	%100
45	M112A	X	-.704	-.704	0	%100
46	M112A	Z	-.407	-.407	0	%100
47	M113A	X	-.014	-.014	0	%100
48	M113A	Z	-.008	-.008	0	%100
49	M114	X	-.023	-.023	0	%100
50	M114	Z	-.013	-.013	0	%100
51	MP2A	X	-.559	-.559	0	%100
52	MP2A	Z	-.323	-.323	0	%100
53	MP3A	X	-.559	-.559	0	%100
54	MP3A	Z	-.323	-.323	0	%100
55	MP4A	X	-.559	-.559	0	%100
56	MP4A	Z	-.323	-.323	0	%100
57	MP1C	X	-.559	-.559	0	%100
58	MP1C	Z	-.323	-.323	0	%100
59	MP2C	X	-.559	-.559	0	%100
60	MP2C	Z	-.323	-.323	0	%100
61	MP3C	X	-.559	-.559	0	%100
62	MP3C	Z	-.323	-.323	0	%100
63	MP4C	X	-.559	-.559	0	%100
64	MP4C	Z	-.323	-.323	0	%100
65	MP1B	X	-.559	-.559	0	%100
66	MP1B	Z	-.323	-.323	0	%100
67	MP2B	X	-.559	-.559	0	%100
68	MP2B	Z	-.323	-.323	0	%100
69	MP3B	X	-.559	-.559	0	%100
70	MP3B	Z	-.323	-.323	0	%100
71	MP4B	X	-.559	-.559	0	%100
72	MP4B	Z	-.323	-.323	0	%100
73	OVP1	X	-.457	-.457	0	%100
74	OVP1	Z	-.264	-.264	0	%100
75	OVP2	X	-.457	-.457	0	%100
76	OVP2	Z	-.264	-.264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.285	-.285	0	%100
2	M1	Z	-.493	-.493	0	%100
3	M3	X	-.285	-.285	0	%100
4	M3	Z	-.493	-.493	0	%100
5	M5	X	-.281	-.281	0	%100
6	M5	Z	-.486	-.486	0	%100
7	M13	X	0	0	0	%100
8	M13	Z	0	0	0	%100
9	M15	X	0	0	0	%100
10	M15	Z	0	0	0	%100
11	M17	X	0	0	0	%100
12	M17	Z	0	0	0	%100
13	M25	X	-.285	-.285	0	%100
14	M25	Z	-.493	-.493	0	%100
15	M27	X	-.285	-.285	0	%100
16	M27	Z	-.493	-.493	0	%100
17	M29	X	-.281	-.281	0	%100
18	M29	Z	-.486	-.486	0	%100
19	M37	X	0	0	0	%100
20	M37	Z	0	0	0	%100
21	M38	X	-.612	-.612	0	%100
22	M38	Z	-1.059	-1.059	0	%100
23	M39	X	-.612	-.612	0	%100
24	M39	Z	-1.059	-1.059	0	%100
25	M40	X	-.099	-.099	0	%100
26	M40	Z	-.172	-.172	0	%100
27	M41	X	-.397	-.397	0	%100
28	M41	Z	-.688	-.688	0	%100
29	M42	X	-.099	-.099	0	%100
30	M42	Z	-.172	-.172	0	%100
31	M43	X	-.09	-.09	0	%100
32	M43	Z	-.157	-.157	0	%100
33	M47	X	-.362	-.362	0	%100
34	M47	Z	-.627	-.627	0	%100
35	M51	X	-.09	-.09	0	%100
36	M51	Z	-.157	-.157	0	%100
37	MP1A	X	-.323	-.323	0	%100
38	MP1A	Z	-.559	-.559	0	%100
39	M109A	X	-.113	-.113	0	%100
40	M109A	Z	-.196	-.196	0	%100
41	M110A	X	-.055	-.055	0	%100
42	M110A	Z	-.096	-.096	0	%100
43	M111	X	-.269	-.269	0	%100
44	M111	Z	-.467	-.467	0	%100
45	M112A	X	-.449	-.449	0	%100
46	M112A	Z	-.778	-.778	0	%100
47	M113A	X	-.033	-.033	0	%100
48	M113A	Z	-.058	-.058	0	%100
49	M114	X	-.189	-.189	0	%100
50	M114	Z	-.327	-.327	0	%100
51	MP2A	X	-.323	-.323	0	%100
52	MP2A	Z	-.559	-.559	0	%100
53	MP3A	X	-.323	-.323	0	%100
54	MP3A	Z	-.559	-.559	0	%100
55	MP4A	X	-.323	-.323	0	%100
56	MP4A	Z	-.559	-.559	0	%100
57	MP1C	X	-.323	-.323	0	%100
58	MP1C	Z	-.559	-.559	0	%100
59	MP2C	X	-.323	-.323	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
60	MP2C	Z	-.559	-.559	0	%100
61	MP3C	X	-.323	-.323	0	%100
62	MP3C	Z	-.559	-.559	0	%100
63	MP4C	X	-.323	-.323	0	%100
64	MP4C	Z	-.559	-.559	0	%100
65	MP1B	X	-.323	-.323	0	%100
66	MP1B	Z	-.559	-.559	0	%100
67	MP2B	X	-.323	-.323	0	%100
68	MP2B	Z	-.559	-.559	0	%100
69	MP3B	X	-.323	-.323	0	%100
70	MP3B	Z	-.559	-.559	0	%100
71	MP4B	X	-.323	-.323	0	%100
72	MP4B	Z	-.559	-.559	0	%100
73	OVP1	X	-.264	-.264	0	%100
74	OVP1	Z	-.457	-.457	0	%100
75	OVP2	X	-.264	-.264	0	%100
76	OVP2	Z	-.457	-.457	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	.003	-1.821	3.238	3.7
2	M1	Y	-1.821	-3.665	3.7	4.162
3	M1	Y	-3.665	-3.704	4.162	4.625
4	M3	Y	.004	-1.819	3.238	3.7
5	M3	Y	-1.819	-3.663	3.7	4.162
6	M3	Y	-3.663	-3.706	4.162	4.625
7	M5	Y	-3.181	-3.2	0	.883
8	M5	Y	-3.2	-3.506	.883	1.767
9	M5	Y	-3.506	-3.506	1.767	2.65
10	M5	Y	-3.506	-3.201	2.65	3.533
11	M5	Y	-3.201	-3.181	3.533	4.417
12	M25	Y	.003	-1.821	3.238	3.7
13	M25	Y	-1.821	-3.665	3.7	4.163
14	M25	Y	-3.665	-3.704	4.163	4.625
15	M27	Y	.003	-1.821	3.238	3.7
16	M27	Y	-1.821	-3.665	3.7	4.163
17	M27	Y	-3.665	-3.704	4.163	4.625
18	M29	Y	-3.181	-3.2	0	.883
19	M29	Y	-3.2	-3.506	.883	1.767
20	M29	Y	-3.506	-3.506	1.767	2.65
21	M29	Y	-3.506	-3.2	2.65	3.533
22	M29	Y	-3.2	-3.18	3.533	4.417
23	M13	Y	.003	-1.821	3.238	3.7
24	M13	Y	-1.821	-3.665	3.7	4.163
25	M13	Y	-3.665	-3.704	4.163	4.625
26	M15	Y	.003	-1.821	3.238	3.7
27	M15	Y	-1.821	-3.665	3.7	4.163
28	M15	Y	-3.665	-3.704	4.163	4.625
29	M17	Y	-3.181	-3.2	0	.883
30	M17	Y	-3.2	-3.506	.883	1.767
31	M17	Y	-3.506	-3.506	1.767	2.65
32	M17	Y	-3.506	-3.2	2.65	3.533
33	M17	Y	-3.2	-3.18	3.533	4.417
34	M25	Y	-2.444	-3.2	.463	3.7
35	M40	Y	-5.5	-6.476	0	2.083
36	M40	Y	-6.476	-7.452	2.083	4.167
37	M15	Y	-2.406	-3.238	.463	3.7
38	M3	Y	-2.406	-3.238	.463	3.7

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
39	M42	Y	-5.5	-6.476	0	2.083
40	M42	Y	-6.476	-7.452	2.083	4.167
41	M13	Y	-2.406	-3.238	.463	3.7
42	M1	Y	-2.406	-3.238	.463	3.7
43	M41	Y	-5.5	-6.476	0	2.083
44	M41	Y	-6.476	-7.452	2.083	4.167
45	M27	Y	-2.406	-3.238	.463	3.7

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	.006	-3.539	3.238	3.7
2	M1	Y	-3.539	-7.123	3.7	4.162
3	M1	Y	-7.123	-7.2	4.162	4.625
4	M3	Y	.007	-3.536	3.238	3.7
5	M3	Y	-3.536	-7.12	3.7	4.162
6	M3	Y	-7.12	-7.202	4.162	4.625
7	M5	Y	-6.182	-6.221	0	.883
8	M5	Y	-6.221	-6.815	.883	1.767
9	M5	Y	-6.815	-6.815	1.767	2.65
10	M5	Y	-6.815	-6.221	2.65	3.533
11	M5	Y	-6.221	-6.182	3.533	4.417
12	M25	Y	.006	-3.539	3.238	3.7
13	M25	Y	-3.539	-7.123	3.7	4.163
14	M25	Y	-7.123	-7.2	4.163	4.625
15	M27	Y	.006	-3.539	3.238	3.7
16	M27	Y	-3.539	-7.123	3.7	4.163
17	M27	Y	-7.123	-7.2	4.163	4.625
18	M29	Y	-6.182	-6.22	0	.883
19	M29	Y	-6.22	-6.814	.883	1.767
20	M29	Y	-6.814	-6.815	1.767	2.65
21	M29	Y	-6.815	-6.22	2.65	3.533
22	M29	Y	-6.22	-6.182	3.533	4.417
23	M13	Y	.006	-3.539	3.238	3.7
24	M13	Y	-3.539	-7.123	3.7	4.163
25	M13	Y	-7.123	-7.2	4.163	4.625
26	M15	Y	.006	-3.539	3.238	3.7
27	M15	Y	-3.539	-7.123	3.7	4.163
28	M15	Y	-7.123	-7.2	4.163	4.625
29	M17	Y	-6.182	-6.22	0	.883
30	M17	Y	-6.22	-6.814	.883	1.767
31	M17	Y	-6.814	-6.815	1.767	2.65
32	M17	Y	-6.815	-6.22	2.65	3.533
33	M17	Y	-6.22	-6.182	3.533	4.417
34	M25	Y	-4.75	-6.22	.463	3.7
35	M40	Y	-10.691	-12.588	0	2.083
36	M40	Y	-12.588	-14.484	2.083	4.167
37	M15	Y	-4.676	-6.294	.463	3.7
38	M3	Y	-4.676	-6.294	.463	3.7
39	M42	Y	-10.691	-12.588	0	2.083
40	M42	Y	-12.588	-14.484	2.083	4.167
41	M13	Y	-4.676	-6.294	.463	3.7
42	M1	Y	-4.676	-6.294	.463	3.7
43	M41	Y	-10.691	-12.588	0	2.083
44	M41	Y	-12.588	-14.484	2.083	4.167
45	M27	Y	-4.676	-6.294	.463	3.7

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	.0001464	-.081	3.238	3.7
2	M1	Y	-.081	-.164	3.7	4.162
3	M1	Y	-.164	-.165	4.162	4.625
4	M3	Y	.0001573	-.081	3.238	3.7
5	M3	Y	-.081	-.163	3.7	4.162
6	M3	Y	-.163	-.165	4.162	4.625
7	M5	Y	-.142	-.143	0	.883
8	M5	Y	-.143	-.156	.883	1.767
9	M5	Y	-.156	-.156	1.767	2.65
10	M5	Y	-.156	-.143	2.65	3.533
11	M5	Y	-.143	-.142	3.533	4.417
12	M25	Y	.0001467	-.081	3.238	3.7
13	M25	Y	-.081	-.164	3.7	4.163
14	M25	Y	-.164	-.165	4.163	4.625
15	M27	Y	.0001467	-.081	3.238	3.7
16	M27	Y	-.081	-.164	3.7	4.163
17	M27	Y	-.164	-.165	4.163	4.625
18	M29	Y	-.142	-.143	0	.883
19	M29	Y	-.143	-.156	.883	1.767
20	M29	Y	-.156	-.156	1.767	2.65
21	M29	Y	-.156	-.143	2.65	3.533
22	M29	Y	-.143	-.142	3.533	4.417
23	M13	Y	.0001467	-.081	3.238	3.7
24	M13	Y	-.081	-.164	3.7	4.163
25	M13	Y	-.164	-.165	4.163	4.625
26	M15	Y	.0001467	-.081	3.238	3.7
27	M15	Y	-.081	-.164	3.7	4.163
28	M15	Y	-.164	-.165	4.163	4.625
29	M17	Y	-.142	-.143	0	.883
30	M17	Y	-.143	-.156	.883	1.767
31	M17	Y	-.156	-.156	1.767	2.65
32	M17	Y	-.156	-.143	2.65	3.533
33	M17	Y	-.143	-.142	3.533	4.417
34	M25	Y	-.109	-.143	.463	3.7
35	M40	Y	-.245	-.289	0	2.083
36	M40	Y	-.289	-.332	2.083	4.167
37	M15	Y	-.107	-.144	.463	3.7
38	M3	Y	-.107	-.144	.463	3.7
39	M42	Y	-.245	-.289	0	2.083
40	M42	Y	-.289	-.332	2.083	4.167
41	M13	Y	-.107	-.144	.463	3.7
42	M1	Y	-.107	-.144	.463	3.7
43	M41	Y	-.245	-.289	0	2.083
44	M41	Y	-.289	-.332	2.083	4.167
45	M27	Y	-.107	-.144	.463	3.7

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Z	.000366	-.203	3.238	3.7
2	M1	Z	-.203	-.409	3.7	4.162
3	M1	Z	-.409	-.413	4.162	4.625
4	M3	Z	.0003931	-.203	3.238	3.7
5	M3	Z	-.203	-.409	3.7	4.162
6	M3	Z	-.409	-.413	4.162	4.625
7	M5	Z	-.355	-.357	0	.883
8	M5	Z	-.357	-.391	.883	1.767
9	M5	Z	-.391	-.391	1.767	2.65
10	M5	Z	-.391	-.357	2.65	3.533

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
11	M5	Z	-.357	-.355	3.533	4.417
12	M25	Z	.0003667	-.203	3.238	3.7
13	M25	Z	-.203	-.409	3.7	4.163
14	M25	Z	-.409	-.413	4.163	4.625
15	M27	Z	.0003667	-.203	3.238	3.7
16	M27	Z	-.203	-.409	3.7	4.163
17	M27	Z	-.409	-.413	4.163	4.625
18	M29	Z	-.355	-.357	0	.883
19	M29	Z	-.357	-.391	.883	1.767
20	M29	Z	-.391	-.391	1.767	2.65
21	M29	Z	-.391	-.357	2.65	3.533
22	M29	Z	-.357	-.355	3.533	4.417
23	M13	Z	.0003667	-.203	3.238	3.7
24	M13	Z	-.203	-.409	3.7	4.163
25	M13	Z	-.409	-.413	4.163	4.625
26	M15	Z	.0003667	-.203	3.238	3.7
27	M15	Z	-.203	-.409	3.7	4.163
28	M15	Z	-.409	-.413	4.163	4.625
29	M17	Z	-.355	-.357	0	.883
30	M17	Z	-.357	-.391	.883	1.767
31	M17	Z	-.391	-.391	1.767	2.65
32	M17	Z	-.391	-.357	2.65	3.533
33	M17	Z	-.357	-.355	3.533	4.417
34	M25	Z	-.273	-.357	.463	3.7
35	M40	Z	-.613	-.722	0	2.083
36	M40	Z	-.722	-.831	2.083	4.167
37	M15	Z	-.268	-.361	.463	3.7
38	M3	Z	-.268	-.361	.463	3.7
39	M42	Z	-.613	-.722	0	2.083
40	M42	Z	-.722	-.831	2.083	4.167
41	M13	Z	-.268	-.361	.463	3.7
42	M1	Z	-.268	-.361	.463	3.7
43	M41	Z	-.613	-.722	0	2.083
44	M41	Z	-.722	-.831	2.083	4.167
45	M27	Z	-.268	-.361	.463	3.7

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.000366	.203	3.238	3.7
2	M1	X	.203	.409	3.7	4.162
3	M1	X	.409	.413	4.162	4.625
4	M3	X	-.0003931	.203	3.238	3.7
5	M3	X	.203	.409	3.7	4.162
6	M3	X	.409	.413	4.162	4.625
7	M5	X	.355	.357	0	.883
8	M5	X	.357	.391	.883	1.767
9	M5	X	.391	.391	1.767	2.65
10	M5	X	.391	.357	2.65	3.533
11	M5	X	.357	.355	3.533	4.417
12	M25	X	-.0003667	.203	3.238	3.7
13	M25	X	.203	.409	3.7	4.163
14	M25	X	.409	.413	4.163	4.625
15	M27	X	-.0003667	.203	3.238	3.7
16	M27	X	.203	.409	3.7	4.163
17	M27	X	.409	.413	4.163	4.625
18	M29	X	.355	.357	0	.883
19	M29	X	.357	.391	.883	1.767
20	M29	X	.391	.391	1.767	2.65

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
21	M29	X	.391	.357	2.65	3.533
22	M29	X	.357	.355	3.533	4.417
23	M13	X	-.0003667	.203	3.238	3.7
24	M13	X	.203	.409	3.7	4.163
25	M13	X	.409	.413	4.163	4.625
26	M15	X	-.0003667	.203	3.238	3.7
27	M15	X	.203	.409	3.7	4.163
28	M15	X	.409	.413	4.163	4.625
29	M17	X	.355	.357	0	.883
30	M17	X	.357	.391	.883	1.767
31	M17	X	.391	.391	1.767	2.65
32	M17	X	.391	.357	2.65	3.533
33	M17	X	.357	.355	3.533	4.417
34	M25	X	.273	.357	.463	3.7
35	M40	X	.613	.722	0	2.083
36	M40	X	.722	.831	2.083	4.167
37	M15	X	.268	.361	.463	3.7
38	M3	X	.268	.361	.463	3.7
39	M42	X	.613	.722	0	2.083
40	M42	X	.722	.831	2.083	4.167
41	M13	X	.268	.361	.463	3.7
42	M1	X	.268	.361	.463	3.7
43	M41	X	.613	.722	0	2.083
44	M41	X	.722	.831	2.083	4.167
45	M27	X	.268	.361	.463	3.7

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N179A	N180A	N174A	N173A	Y	Two Way	-.005
2	N178A	N177A	N183A	N184A	Y	Two Way	-.005
3	N176A	N175A	N181A	N182A	Y	Two Way	-.005
4	N183A	N38	N185	N182B	Y	Two Way	-.005
5	N182A	N38	N185	N183B	Y	Two Way	-.005
6	N180A	N42	N187	N187A	Y	Two Way	-.005
7	N181A	N42	N187	N186A	Y	Two Way	-.005
8	N179A	N40	N186	N184B	Y	Two Way	-.005
9	N184A	N40	N186	N185A	Y	Two Way	-.005
10	N94	N90	N94		Y	Two Way	-.005
11	N110	N106	N110		Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N179A	N180A	N174A	N173A	Y	Two Way	-.01
2	N178A	N177A	N183A	N184A	Y	Two Way	-.01
3	N176A	N175A	N181A	N182A	Y	Two Way	-.01
4	N183A	N38	N185	N182B	Y	Two Way	-.01
5	N182A	N38	N185	N183B	Y	Two Way	-.01
6	N180A	N42	N187	N187A	Y	Two Way	-.01
7	N181A	N42	N187	N186A	Y	Two Way	-.01
8	N179A	N40	N186	N184B	Y	Two Way	-.01
9	N184A	N40	N186	N185A	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N179A	N180A	N174A	N173A	Y	Two Way	-.000232
2	N178A	N177A	N183A	N184A	Y	Two Way	-.000232

Member Area Loads (BLC 84 : Structure Ev) (Continued)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
3	N176A	N175A	N181A	N182A	Y	Two Way	-.000232
4	N183A	N38	N185	N182B	Y	Two Way	-.000232
5	N182A	N38	N185	N183B	Y	Two Way	-.000232
6	N180A	N42	N187	N187A	Y	Two Way	-.000232
7	N181A	N42	N187	N186A	Y	Two Way	-.000232
8	N179A	N40	N186	N184B	Y	Two Way	-.000232
9	N184A	N40	N186	N185A	Y	Two Way	-.000232
10	N94	N90	N94		Y	Two Way	-.000232
11	N110	N106	N110		Y	Two Way	-.000232

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N179A	N180A	N174A	N173A	Z	Two Way	-.00058
2	N178A	N177A	N183A	N184A	Z	Two Way	-.00058
3	N176A	N175A	N181A	N182A	Z	Two Way	-.00058
4	N183A	N38	N185	N182B	Z	Two Way	-.00058
5	N182A	N38	N185	N183B	Z	Two Way	-.00058
6	N180A	N42	N187	N187A	Z	Two Way	-.00058
7	N181A	N42	N187	N186A	Z	Two Way	-.00058
8	N179A	N40	N186	N184B	Z	Two Way	-.00058
9	N184A	N40	N186	N185A	Z	Two Way	-.00058
10	N94	N90	N94		Z	Two Way	-.00058
11	N110	N106	N110		Z	Two Way	-.00058

Member Area Loads (BLC 86 : Structure Eh (90 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N179A	N180A	N174A	N173A	X	Two Way	.00058
2	N178A	N177A	N183A	N184A	X	Two Way	.00058
3	N176A	N175A	N181A	N182A	X	Two Way	.00058
4	N183A	N38	N185	N182B	X	Two Way	.00058
5	N182A	N38	N185	N183B	X	Two Way	.00058
6	N180A	N42	N187	N187A	X	Two Way	.00058
7	N181A	N42	N187	N186A	X	Two Way	.00058
8	N179A	N40	N186	N184B	X	Two Way	.00058
9	N184A	N40	N186	N185A	X	Two Way	.00058
10	N94	N90	N94		X	Two Way	.00058
11	N110	N106	N110		X	Two Way	.00058

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	N45	max	1222.262	10	2173.106	13	-1358.21	1	5.958	13	1.626	4	.615	4
2		min	-1209.267	4	664.859	70	-7851.064	19	.674	7	-1.608	10	-.618	10
3	N53	max	-1045.174	9	2135.211	21	3971.927	14	-.154	3	1.426	12	-.3	3
4		min	-6803.423	15	642.661	3	501.361	7	-2.945	21	-1.395	6	-5.088	21
5	N61	max	6785.702	23	1906.145	17	3938.939	13	-.324	11	1.37	8	4.662	17
6		min	1062.767	4	581.483	10	602.823	7	-2.681	17	-1.363	2	.534	11
7	Totals:	max	4261.66	10	5985.819	16	3705.421	1						
8		min	-4261.661	4	1943.448	73	-3705.425	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M39	PL5/8x6	.693	.426	18	.597	.426	y	15	102576.4...	121500	1.582	15.188	1....	H1-1b
2	M37	PL5/8x6	.688	.426	14	.568	.426	y	23	102576.4...	121500	1.582	15.188	1....	H1-1b
3	M38	PL5/8x6	.684	.426	22	.551	.426	y	19	102576.4...	121500	1.582	15.188	1....	H1-1b
4	M25	PIPE 3.0	.389	0	13	.246	0		24	58150.23	65205	5.749	5.749	1....	H3-6

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
5	M1	PIPE_3.0	.375	0	20	.241	0		20	58150.23	65205	5.749	5.749	1....	H3-6
6	M13	PIPE_3.0	.294	0	18	.236	0		16	58150.23	65205	5.749	5.749	1....	H1-1b
7	M15	PIPE_3.0	.324	0	14	.226	0		14	58150.23	65205	5.749	5.749	1....	H3-6
8	M27	PIPE_3.0	.274	3.661	19	.218	0		22	58150.23	65205	5.749	5.749	1....	H1-1b
9	M3	PIPE_3.0	.269	3.661	15	.212	0		18	58150.23	65205	5.749	5.749	1....	H1-1b
10	M40	HSS3X3X4	.346	3.798	14	.205	3.852	y	23	75979.813	92232	7.812	7.812	1....	H1-1b
11	M41	HSS3X3X4	.347	3.798	22	.204	3.852	y	20	75979.813	92232	7.812	7.812	1....	H1-1b
12	M42	HSS3X3X4	.331	3.798	18	.195	3.852	y	16	75979.813	92232	7.812	7.812	1....	H1-1b
13	M43	HSS3X3X4	.817	3.875	15	.188	1.736	y	14	82848.201	92232	7.812	7.812	2....	H1-1b
14	M47	HSS3X3X4	.798	3.875	23	.188	1.736	y	22	82848.201	92232	7.812	7.812	2....	H1-1b
15	M51	HSS3X3X4	.734	3.875	19	.179	1.736	y	18	82848.201	92232	7.812	7.812	2....	H1-1b
16	MP4A	PIPE_2.0	.313	3.792	12	.106	3.792		6	17855.085	32130	1.872	1.872	1....	H1-1b
17	M113A	L2.5x1.5x4	.022	2.911	11	.102	2.911	z	14	16448.546	30682.8	.461	1.597	2....	H2-1*
18	M109A	L2.5x1.5x4	.016	2.911	7	.101	2.911	z	22	16448.546	30682.8	.461	1.597	2....	H2-1*
19	M111	L2.5x1.5x4	.020	2.911	3	.095	2.911	z	18	16448.546	30682.8	.461	1.597	2....	H2-1*
20	M5	PIPE_3.0	.197	0	14	.087	0		25	58739.557	65205	5.749	5.749	1....	H1-1b
21	M112A	L2.5x1.5x4	.016	2.911	3	.084	2.911	y	23	16448.546	30682.8	.461	1.597	1....	H2-1*
22	M114	L2.5x1.5x4	.015	2.911	11	.080	2.911	y	19	16448.546	30682.8	.461	1.597	2....	H2-1*
23	M110A	L2.5x1.5x4	.016	2.911	7	.078	2.911	y	15	16448.546	30682.8	.461	1.597	1....	H2-1*
24	M17	PIPE_3.0	.208	0	22	.074	0		9	58739.557	65205	5.749	5.749	1....	H1-1b
25	M29	PIPE_3.0	.203	0	42	.070	0		5	58739.557	65205	5.749	5.749	1....	H1-1b
26	MP4B	PIPE_2.0	.369	3.792	10	.061	3.865		12	17855.085	32130	1.872	1.872	1....	H1-1b
27	MP4C	PIPE_2.0	.379	3.792	9	.057	3.792		2	17855.085	32130	1.872	1.872	2....	H1-1b
28	MP2B	PIPE_2.0	.211	3.792	10	.041	3.792		9	17855.085	32130	1.872	1.872	1....	H1-1b
29	MP2C	PIPE_2.0	.214	3.792	3	.040	3.792		2	17855.085	32130	1.872	1.872	1....	H1-1b
30	MP2A	PIPE_2.0	.214	3.792	7	.040	3.792		8	17855.085	32130	1.872	1.872	1....	H1-1b
31	MP1B	PIPE_2.0	.255	4.521	10	.032	4.521		9	17855.085	32130	1.872	1.872	2....	H1-1b
32	MP1C	PIPE_2.0	.259	4.521	3	.031	4.521		2	17855.085	32130	1.872	1.872	2....	H1-1b
33	MP1A	PIPE_2.0	.259	4.521	7	.031	4.521		6	17855.085	32130	1.872	1.872	1....	H1-1b
34	MP3B	PIPE_2.0	.097	3.792	5	.018	3.792		9	17855.085	32130	1.872	1.872	1....	H1-1b
35	MP3A	PIPE_2.0	.097	3.792	1	.018	3.792		9	17855.085	32130	1.872	1.872	1....	H1-1b
36	MP3C	PIPE_2.0	.097	3.792	9	.018	3.792		1	17855.085	32130	1.872	1.872	1....	H1-1b
37	OVP1	PIPE_2.0	.206	3	3	.017	3		3	28843.414	32130	1.872	1.872	1....	H1-1b
38	OVP2	PIPE_2.0	.206	3	11	.017	3		11	28843.414	32130	1.872	1.872	1....	H1-1b

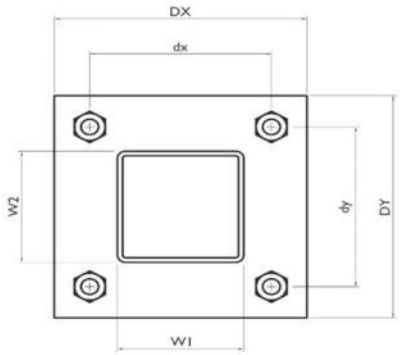
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/10/2023
Site Name:	MIDDLETOWN NW CT		
MDG #:	5000248064		
Fuze ID #:	17123775	Page:	1

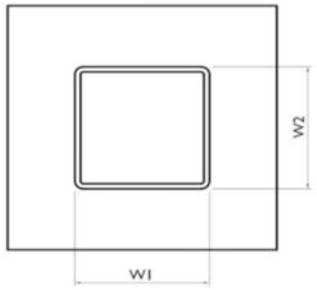
Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	4
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	4
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	7.3
Required Shear Strength / bolt (kips):	0.7
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	**35.4%**



Tower Connection Baseplate Checks	Yes
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	6
Plate Height, D_y (in):	6
W1(in):	3
W2 (in):	3
Member Thickness (in):	0.3125
Stiffener location a_1 (in):	
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.75
Length of Yield Line, L_y (in):	4.14
Bolt Eccentricity, e (in):	1.00
M_u (kip-in):	7.32
Phi*M_n (kip-in):	18.87
Plate Bending Utilization:	**38.8%**

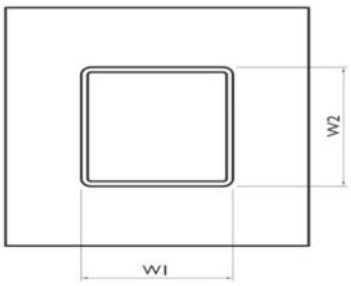


VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/10/2023
Site Name:	MIDDLETOWN NW CT		
MDG #:	5000248064		
Fuze ID #:	17123775	Page:	2

Version 1.01

Tower Connection Weld Checks	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Stiffener Notch Length, n (in):	
Weld Size (1/16 in):	4
W1 (in):	3
W2 (in):	3
Weld Total Length (in):	12.00
Z_x (in^3/in):	12.00
Z_y (in^3/in):	12.00
J_p (in^4/in):	36.00
c_x (in)	1.8125
c_y (in)	1.8125
Required combined strength (kip/in):	3.66
Weld Capacity (kip/in):	5.57
Weld Utilization:	**65.7%**



Date: **January 16, 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:	5000248064
	Site Name:	Middletown NW CT
Crown Castle Designation:	**BU Number:**	825983
	Site Name:	Middletown_1
	JDE Job Number:	751340
	Work Order Number:	2278130
	Order Number:	654591 Rev. 0
Engineering Firm Designation:	**Morrison Hershfield Project Number:** CN9-327R5 / 2400001	
Site Data:	**90 Industrial Park Road, Middletown, Middlesex County, CT 06457**	
	Latitude *41° 35' 8.3"*, Longitude *-72° 42' 50.49"*	
	185 Foot – Fred A. Nudd Monopole Tower	

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

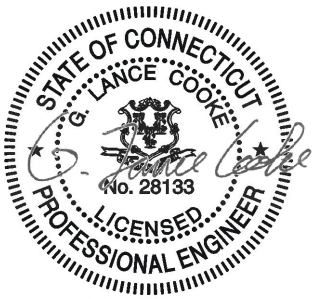
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity – 84.6%**

This analysis utilizes an ultimate 3-second gust wind speed of 120 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:

G. Lance Cooke, P.E. (CT License No. 28133)
Senior Engineer



EXP 1/31/2024

Digitally signed by G. Lance Cooke
Date: 2024.01.16 17:48:30+05'30'

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 185 ft Monopole tower designed by Fred A. Nudd Corporation.

The tower was modified multiple times in the past to accommodate additional loading. All the modifications have been considered in this analysis per their respective post modification inspection reports.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	120 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1 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)
155.0	158.0	1	raycap	RVZDC-6627-PF-48_CCIV2	2	1-5/8
		3	samsung	RF4439D-25A		
		3	samsung	RF4440D-13A		
	156.0	6	andrew	SBNHH-1D65B		
		3	andrew	SBNHH-1D65B w/ Mount Pipe		
		3	samsung	MT6407-77A		
		2	kaelus	BSF0020F3V1		
	155.0	3	-	Commscope BSAMNT-SBS-1-2		
		1	-	Platform Mount [LP 403-1]		

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)
184.0	184.0	2	ericsson	AIR6449 B41_T-MOBILE	3	1-5/8
		3	rfs/celwave	APXVAARR24_43-U-NA20		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	ericsson	RADIO 4460 B2/B25 B66_TMO		
		1	-	Site Pro 1 RMQP-496-HK		
	183.0	1	ericsson	AIR6449 B41_T-MOBILE		
171.0	176.0	3	ericsson	AIR 6419 B77G	12 4 3 3 2	1-1/4 13/16 7/8 3/8 1C
	174.0	3	cci antennas	DMP65R-BU6D		
		3	quintel technology	QD6616-7		
	172.0	3	ericsson	AIR 6449 B77D		
	171.0	3	ericsson	RRUS 32 B66A		
		3	ericsson	RRUS E2 B29		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
171.0	171.0	3	ericsson	RRUS 4478 B14_CCIV2	-	-
		3	ericsson	RRUS 4415 B25_CCIV2		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS-32 B30		
		2	raycap	DC6-48-60-18-8F		
		1	raycap	DC9-48-60-24-8C-EV		
		1	-	Sabre C10899050		
		3	-	Site Pro 1 VFA14-WLL-30120		
163.0	164.0	3	jma wireless	MX08FRO665-21 w/ Mount Pipe	1	1-3/4
		3	fujitsu	TA08025-B604		
		3	fujitsu	TA08025-B605		
		1	raycap	RDIDC-9181-PF-48		
	163.0	1	tower mounts	Commscope MC-K6MHDX-9-96 (3)		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	3473514	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	3880469	CCISITES
4-TOWER MANUFACTURER DRAWINGS	3473517	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3879955	CCISITES
4-POST-MODIFICATION INSPECTION	3945944	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3990532	CCISITES
4-POST-MODIFICATION INSPECTION	5512978	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3954032	CCISITES
4-POST-MODIFICATION INSPECTION	5650784	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.

TnxTower (version 8.2.2), was used to determine the loads on the modified structure. Additional calculations were performed to determine the stresses in the pole and in the reinforcing elements. These calculations are presented in Appendix C.

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	% Capacity	Pass / Fail
L1	185 - 180	Pole	TP18x18x0.1875	Pole	11.9	Pass
L2	180 - 175	Pole	TP19.631x18x0.25	Pole	16.5	Pass
L3	175 - 170	Pole	TP21.263x19.631x0.25	Pole	28.7	Pass
L4	170 - 165	Pole	TP22.894x21.263x0.25	Pole	42.5	Pass
L5	165 - 160	Pole	TP24.525x22.894x0.25	Pole	55.3	Pass
L6	160 - 155	Pole	TP26.156x24.525x0.25	Pole	67.4	Pass
L7	155 - 154	Pole	TP26.483x26.156x0.25	Pole	70.1	Pass
L8	154 - 153.75	Pole + Reinf.	TP26.564x26.483x0.3688	Reinf. 8 Tension Rupture	54.6	Pass
L9	153.75 - 152.5	Pole + Reinf.	TP26.972x26.564x0.3625	Reinf. 8 Tension Rupture	57.2	Pass
L10	152.5 - 152.25	Pole + Reinf.	TP27.053x26.972x0.55	Reinf. 8 Tension Rupture	39.2	Pass
L11	152.25 - 151.5	Pole + Reinf.	TP27.298x27.053x0.55	Reinf. 8 Tension Rupture	40.3	Pass
L12	151.5 - 151.25	Pole + Reinf.	TP27.38x27.298x0.425	Reinf. 3 Tension Rupture	49.3	Pass
L13	151.25 - 146.25	Pole + Reinf.	TP29.011x27.38x0.4125	Reinf. 3 Tension Rupture	56.9	Pass
L14	146.25 - 141.25	Pole + Reinf.	TP30.642x29.011x0.4	Reinf. 3 Tension Rupture	63.3	Pass
L15	141.25 - 136.25	Pole + Reinf.	TP32.273x30.642x0.3938	Reinf. 3 Tension Rupture	68.6	Pass
L16	136.25 - 135	Pole + Reinf.	TP34.313x32.273x0.3938	Reinf. 3 Tension Rupture	69.9	Pass
L17	135 - 129	Pole + Reinf.	TP34.133x32.181x0.475	Reinf. 7 Tension Rupture	65.4	Pass
L18	129 - 124	Pole + Reinf.	TP35.76x34.133x0.4625	Reinf. 7 Tension Rupture	69.0	Pass
L19	124 - 121.42	Pole + Reinf.	TP36.599x35.76x0.4625	Pole	71.1	Pass
L20	121.42 - 121.17	Pole + Reinf.	TP36.68x36.599x0.5	Pole	65.3	Pass
L21	121.17 - 116.17	Pole + Reinf.	TP38.307x36.68x0.4875	Pole	69.8	Pass
L22	116.17 - 115	Pole + Reinf.	TP38.688x38.307x0.4875	Pole	70.8	Pass
L23	115 - 113.75	Pole + Reinf.	TP39.094x38.688x0.55	Reinf. 7 Tension Rupture	61.2	Pass
L24	113.75 - 113.5	Pole + Reinf.	TP39.175x39.094x0.4688	Pole	67.1	Pass
L25	113.5 - 108.5	Pole + Reinf.	TP40.8x39.175x0.4625	Pole	70.2	Pass
L26	108.5 - 103.5	Pole + Reinf.	TP42.425x40.8x0.4563	Pole	73.1	Pass
L27	103.5 - 101	Pole + Reinf.	TP45.188x42.425x0.45	Pole	74.5	Pass
L28	101 - 94	Pole + Reinf.	TP44.853x42.613x0.5875	Pole	61.6	Pass
L29	94 - 91.4	Pole + Reinf.	TP45.685x44.853x0.575	Pole	62.9	Pass
L30	91.4 - 91.15	Pole + Reinf.	TP45.765x45.685x0.4438	Pole	81.4	Pass
L31	91.15 - 91	Pole + Reinf.	TP45.813x45.765x0.4438	Pole	81.5	Pass
L32	91 - 86	Pole + Reinf.	TP47.445x45.813x0.5	Pole	68.2	Pass
L33	86 - 81	Pole + Reinf.	TP49.078x47.445x0.5	Pole	69.9	Pass
L34	81 - 76	Pole + Reinf.	TP50.711x49.078x0.4938	Pole	71.6	Pass
L35	76 - 71	Pole + Reinf.	TP52.344x50.711x0.4875	Pole	73.2	Pass
L36	71 - 66	Pole + Reinf.	TP53.977x52.344x0.4875	Pole	74.8	Pass
L37	66 - 63.75	Pole + Reinf.	TP54.711x53.977x0.4875	Pole	75.6	Pass
L38	63.75 - 63.5	Pole + Reinf.	TP54.793x54.711x0.4875	Pole	75.6	Pass
L39	63.5 - 58.5	Pole + Reinf.	TP56.426x54.793x0.4813	Pole	77.2	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L40	58.5 - 58	Pole + Reinf.	TP58.875x56.426x0.4813	Pole	77.4	Pass
L41	58 - 50	Pole + Reinf.	TP58.438x55.839x0.55	Pole	70.3	Pass
L42	50 - 45	Pole + Reinf.	TP60.063x58.438x0.55	Pole	71.9	Pass
L43	45 - 40.42	Pole + Reinf.	TP61.551x60.063x0.5438	Pole	73.4	Pass
L44	40.42 - 40.17	Pole + Reinf.	TP61.632x61.551x0.475	Pole	84.5	Pass
L45	40.17 - 40	Pole + Reinf.	TP61.688x61.632x0.475	Pole	84.6	Pass
L46	40 - 35	Pole + Reinf.	TP63.31x61.688x0.5313	Pole	70.3	Pass
L47	35 - 33	Pole + Reinf.	TP63.958x63.31x0.525	Pole	70.8	Pass
L48	33 - 32.75	Pole + Reinf.	TP64.039x63.958x0.6	Pole	63.8	Pass
L49	32.75 - 28	Pole + Reinf.	TP68.5x64.039x0.6	Pole	64.9	Pass
L50	28 - 18	Pole + Reinf.	TP67.958x64.705x0.6	Pole	68.2	Pass
L51	18 - 13	Pole + Reinf.	TP69.584x67.958x0.5875	Pole	69.3	Pass
L52	13 - 8	Pole + Reinf.	TP71.21x69.584x0.5875	Pole	70.4	Pass
L53	8 - 6.42	Pole + Reinf.	TP71.724x71.21x0.5875	Pole	70.8	Pass
L54	6.42 - 6.17	Pole + Reinf.	TP71.806x71.724x0.9375	Reinf. 9 Tension Rupture	76.3	Pass
L55	6.17 - 1.17	Pole + Reinf.	TP73.432x71.806x0.9125	Reinf. 9 Tension Rupture	76.9	Pass
L56	1.17 - 0	Pole + Reinf.	TP73.813x73.432x0.9	Reinf. 9 Tension Rupture	77.1	Pass
					Summary	
				Pole	84.6	Pass
				Reinforcement	77.1	Pass
				Overall	84.6	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	65.2	Pass
1	Base Plate		36.0	Pass
1	Base Foundation (Structure)	0	69.4	Pass
1	Base Foundation (Soil Interaction)		74.7	Pass

Structure Rating (max from all components) =	84.6%*

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.

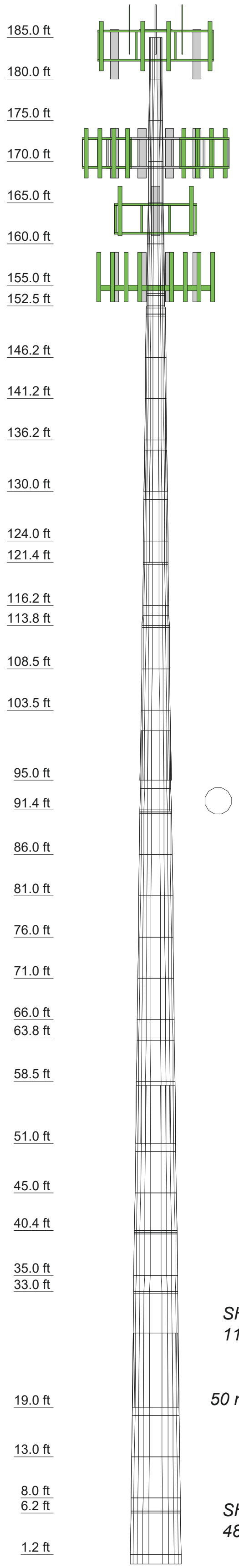
4.1) Recommendations

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	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	5.00	12	0.1875		18.0000	18.0000	A36M-42	0.2
2	5.00	12	0.2500		18.0000	19.6313	A36M-42	0.3
3	5.00	12	0.2500		19.6313	21.2629	A36M-42	0.3
4	5.00	12	0.2500		21.2629	22.8938	A36M-42	0.3
5	5.00	12	0.2500		22.8938	24.5252	A36M-42	0.3
6	5.00	12	0.2500		24.5252	[illegible]	A36M-42	0.3
7–12	[illegible]	12	[illegible]		[illegible]	[illegible]	A36M-42	[illegible]
13	5.00	12	[illegible]		[illegible]	[illegible]	A36M-42	0.6
14	5.00	12	0.4000		29.0109	30.6422	A36M-42	0.6
15	5.00	12	0.3937		30.6422	32.2734	A36M-42	0.7
16	6.00	12	0.3937	5.00	32.2734	34.3125	A36M-42	0.9
17–25	[illegible]	12	[illegible]		[illegible]	[illegible]	A36M-42	[illegible]
26	5.00	12	0.4562		40.8000	42.4250	A36M-42	1.0
27	7.00	12	0.4500	6.00	42.4250	45.1875	A36M-42	1.8
28–31	[illegible]	12	[illegible]		[illegible]	[illegible]	A36M-42	[illegible]
32	5.00	12	0.5000		[illegible]	[illegible]	A36M-42	1.3
33	5.00	12	0.5000		47.4453	49.0781	A36M-42	1.3
34	5.00	12	0.4938		49.0781	50.7109	A36M-42	1.3
35	5.00	12	0.4875		50.7109	52.3438	A36M-42	1.4
36	5.00	12	0.4875		52.3438	[illegible]	A36M-42	1.4
37–38	[illegible]	12	[illegible]		[illegible]	[illegible]	A36M-42	[illegible]
39	5.00	12	[illegible]		[illegible]	[illegible]	A36M-42	1.4
40	[illegible]	12	0.4813	7.00	56.4258	58.8750	A36M-42	2.2
41	[illegible]	12	[illegible]		[illegible]	[illegible]	A36M-42	2.7
42	5.00	12	[illegible]		[illegible]	[illegible]	A36M-42	1.7
43–48	[illegible]	12	[illegible]		[illegible]	[illegible]	A36M-42	[illegible]
49	[illegible]	12	0.6000	9.00	64.0394	68.5000	A36M-42	6.4
50	[illegible]	12	[illegible]		[illegible]	[illegible]	A36M-42	4.6
51	5.00	12	[illegible]		[illegible]	[illegible]	A36M-42	2.4
52	5.00	12	0.5875		[illegible]	[illegible]	A36M-42	2.4
53–55	[illegible]	12	[illegible]		[illegible]	[illegible]	A36M-42	[illegible]
56	1.17	12	0.9000		73.43[illegible]	73.87[illegible]	A36M-42	0.5
								54.0



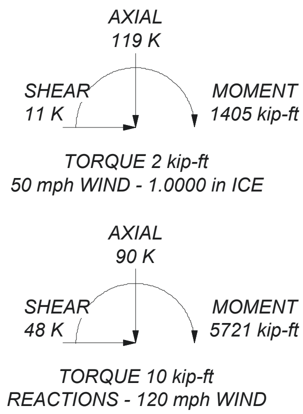
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A36M-42	42 ksi	60 ksi			

TOWER DESIGN NOTES

1. Tower is located in Middlesex County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 120 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. CCI POLE RATING: 84.6%

ALL REACTIONS ARE FACTORED



Morrison Hershfield 1455 Lincoln Parkway, Suite 500 Atlanta, GA 30346 Phone: (770) 379-8500 FAX: (770) 379-8501 Consulting Engineers	Job: **CN9-327R5 / 2400001** Project: **825983 / Middletown_1** Client: Crown Castle USA — Drawn by: SK — App'd: Code: TIA-222-H — Date: 01/16/24 — Scale: NTS Path: C:\Users\SKethavarapu\Desktop\Jobs\Crown SA Engg\CN9-327R5 SA\Analysis\CN9-327R5 BU_825983 WO_2278130.eri — Dwg No. E-1

Tower Input Data

The tower is a monopole.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

- Tower is located in Middlesex County, Connecticut.
- Tower base elevation above sea level: 90.00 ft.
- Basic wind speed of 120 mph.
- Risk Category II.
- Exposure Category C.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- 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

Tapered Pole Section Geometry

Section	*Elevation*	*Section Length*	*Splice Length*	*Number of Sides*	*Top Diameter*	*Bottom Diameter*	*Wall Thickness*	*Bend Radius*	*Pole Grade*
	ft	*ft*	*ft*		*in*	*in*	*in*	*in*	
L1	185.00-180.00	5.00	0.00	12	18.0000	18.0000	0.1875	0.7500	A36M-42 (42 ksi)
L2	180.00-175.00	5.00	0.00	12	18.0000	19.6313	0.2500	1.0000	A36M-42 (42 ksi)
L3	175.00-170.00	5.00	0.00	12	19.6313	21.2625	0.2500	1.0000	A36M-42 (42 ksi)
L4	170.00-165.00	5.00	0.00	12	21.2625	22.8938	0.2500	1.0000	A36M-42 (42 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L5	165.00-160.00	5.00	0.00	12	22.8938	24.5250	0.2500	1.0000	A36M-42 (42 ksi)
L6	160.00-155.00	5.00	0.00	12	24.5250	26.1562	0.2500	1.0000	A36M-42 (42 ksi)
L7	155.00-154.00	1.00	0.00	12	26.1562	26.4825	0.2500	1.0000	A36M-42 (42 ksi)
L8	154.00-153.75	0.25	0.00	12	26.4825	26.5641	0.3688	1.4750	A36M-42 (42 ksi)
L9	153.75-152.50	1.25	0.00	12	26.5641	26.9719	0.3625	1.4500	A36M-42 (42 ksi)
L10	152.50-152.25	0.25	0.00	12	26.9719	27.0534	0.5500	2.2000	A36M-42 (42 ksi)
L11	152.25-151.50	0.75	0.00	12	27.0534	27.2981	0.5500	2.2000	A36M-42 (42 ksi)
L12	151.50-151.25	0.25	0.00	12	27.2981	27.3797	0.4250	1.7000	A36M-42 (42 ksi)
L13	151.25-146.25	5.00	0.00	12	27.3797	29.0109	0.4125	1.6500	A36M-42 (42 ksi)
L14	146.25-141.25	5.00	0.00	12	29.0109	30.6422	0.4000	1.6000	A36M-42 (42 ksi)
L15	141.25-136.25	5.00	0.00	12	30.6422	32.2734	0.3937	1.5750	A36M-42 (42 ksi)
L16	136.25-130.00	6.25	5.00	12	32.2734	34.3125	0.3937	1.5750	A36M-42 (42 ksi)
L17	130.00-129.00	6.00	0.00	12	32.1812	34.1331	0.4750	1.9000	A36M-42 (42 ksi)
L18	129.00-124.00	5.00	0.00	12	34.1331	35.7597	0.4625	1.8500	A36M-42 (42 ksi)
L19	124.00-121.42	2.58	0.00	12	35.7597	36.5990	0.4625	1.8500	A36M-42 (42 ksi)
L20	121.42-121.17	0.25	0.00	12	36.5990	36.6803	0.5000	2.0000	A36M-42 (42 ksi)
L21	121.17-116.17	5.00	0.00	12	36.6803	38.3069	0.4875	1.9500	A36M-42 (42 ksi)
L22	116.17-115.00	1.17	0.00	12	38.3069	38.6875	0.4875	1.9500	A36M-42 (42 ksi)
L23	115.00-113.75	1.25	0.00	12	38.6875	39.0938	0.5500	2.2000	A36M-42 (42 ksi)
L24	113.75-113.50	0.25	0.00	12	39.0938	39.1750	0.4688	1.8750	A36M-42 (42 ksi)
L25	113.50-108.50	5.00	0.00	12	39.1750	40.8000	0.4625	1.8500	A36M-42 (42 ksi)
L26	108.50-103.50	5.00	0.00	12	40.8000	42.4250	0.4562	1.8250	A36M-42 (42 ksi)
L27	103.50-95.00	8.50	6.00	12	42.4250	45.1875	0.4500	1.8000	A36M-42 (42 ksi)
L28	95.00-94.00	7.00	0.00	12	42.6125	44.8525	0.5875	2.3500	A36M-42 (42 ksi)
L29	94.00-91.40	2.60	0.00	12	44.8525	45.6845	0.5750	2.3000	A36M-42 (42 ksi)
L30	91.40-91.15	0.25	0.00	12	45.6845	45.7645	0.4437	1.7750	A36M-42 (42 ksi)
L31	91.15-91.00	0.15	0.00	12	45.7645	45.8125	0.4437	1.7750	A36M-42 (42 ksi)
L32	91.00-86.00	5.00	0.00	12	45.8125	47.4453	0.5000	2.0000	A36M-42 (42 ksi)
L33	86.00-81.00	5.00	0.00	12	47.4453	49.0781	0.5000	2.0000	A36M-42 (42 ksi)
L34	81.00-76.00	5.00	0.00	12	49.0781	50.7109	0.4938	1.9750	A36M-42 (42 ksi)
L35	76.00-71.00	5.00	0.00	12	50.7109	52.3438	0.4875	1.9500	A36M-42 (42 ksi)
L36	71.00-66.00	5.00	0.00	12	52.3438	53.9766	0.4875	1.9500	A36M-42 (42 ksi)
L37	66.00-63.75	2.25	0.00	12	53.9766	54.7113	0.4875	1.9500	A36M-42 (42 ksi)
L38	63.75-63.50	0.25	0.00	12	54.7113	54.7930	0.4875	1.9500	A36M-42 (42 ksi)
L39	63.50-58.50	5.00	0.00	12	54.7930	56.4258	0.4813	1.9250	A36M-42

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L40	58.50-51.00	7.50	7.00	12	56.4258	58.8750	0.4813	1.9250	(42 ksi) A36M-42 (42 ksi)
L41	51.00-50.00	8.00	0.00	12	55.8391	58.4384	0.5500	2.2000	A36M-42 (42 ksi)
L42	50.00-45.00	5.00	0.00	12	58.4384	60.0629	0.5500	2.2000	A36M-42 (42 ksi)
L43	45.00-40.42	4.58	0.00	12	60.0629	61.5510	0.5437	2.1750	A36M-42 (42 ksi)
L44	40.42-40.17	0.25	0.00	12	61.5510	61.6323	0.4750	1.9000	A36M-42 (42 ksi)
L45	40.17-40.00	0.17	0.00	12	61.6323	61.6875	0.4750	1.9000	A36M-42 (42 ksi)
L46	40.00-35.00	5.00	0.00	12	61.6875	63.3095	0.5312	2.1250	A36M-42 (42 ksi)
L47	35.00-33.00	2.00	0.00	12	63.3095	63.9583	0.5250	2.1000	A36M-42 (42 ksi)
L48	33.00-32.75	0.25	0.00	12	63.9583	64.0394	0.6000	2.4000	A36M-42 (42 ksi)
L49	32.75-19.00	13.75	9.00	12	64.0394	68.5000	0.6000	2.4000	A36M-42 (42 ksi)
L50	19.00-18.00	10.00	0.00	12	64.7054	67.9579	0.6000	2.4000	A36M-42 (42 ksi)
L51	18.00-13.00	5.00	0.00	12	67.9579	69.5842	0.5875	2.3500	A36M-42 (42 ksi)
L52	13.00-8.00	5.00	0.00	12	69.5842	71.2105	0.5875	2.3500	A36M-42 (42 ksi)
L53	8.00-6.42	1.58	0.00	12	71.2105	71.7244	0.5875	2.3500	A36M-42 (42 ksi)
L54	6.42-6.17	0.25	0.00	12	71.7244	71.8057	0.9375	3.7500	A36M-42 (42 ksi)
L55	6.17-1.17	5.00	0.00	12	71.8057	73.4320	0.9125	3.6500	A36M-42 (42 ksi)
L56	1.17-0.00	1.17		12	73.4320	73.8125	0.9000	3.6000	A36M-42 (42 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	18.5688	10.7543	435.5296	6.3769	9.3240	46.7106	882.5011	5.2929	4.3215	23.048
	18.5688	10.7543	435.5296	6.3769	9.3240	46.7106	882.5011	5.2929	4.3215	23.048
L2	18.5468	14.2888	574.6149	6.3545	9.3240	61.6275	1164.3256	7.0325	4.1540	16.616
	20.2356	15.6019	748.0441	6.9385	10.1690	73.5613	1515.7401	7.6788	4.5912	18.365
L3	20.2356	15.6019	748.0441	6.9385	10.1690	73.5613	1515.7401	7.6788	4.5912	18.365
	21.9244	16.9151	953.2680	7.5225	11.0140	86.5508	1931.5794	8.3251	5.0283	20.113
L4	21.9244	16.9151	953.2680	7.5225	11.0140	86.5508	1931.5794	8.3251	5.0283	20.113
	23.6132	18.2282	1192.9628	8.1065	11.8590	100.5959	2417.2660	8.9714	5.4655	21.862
L5	23.6132	18.2282	1192.9628	8.1065	11.8590	100.5959	2417.2660	8.9714	5.4655	21.862
	25.3020	19.5414	1469.8044	8.6905	12.7039	115.6966	2978.2222	9.6177	5.9027	23.611
L6	25.3020	19.5414	1469.8044	8.6905	12.7039	115.6966	2978.2222	9.6177	5.9027	23.611
	26.9908	20.8545	1786.4690	9.2744	13.5489	131.8531	3619.8706	10.2640	6.3399	25.36
L7	26.9908	20.8545	1786.4690	9.2744	13.5489	131.8531	3619.8706	10.2640	6.3399	25.36
	27.3285	21.1172	1854.8162	9.3912	13.7179	135.2110	3758.3604	10.3932	6.4273	25.709
L8	27.2866	31.0068	2698.8676	9.3487	13.7179	196.7401	5468.6374	15.2606	6.1091	16.567
	27.3711	31.1037	2724.2352	9.3779	13.7602	197.9796	5520.0391	15.3083	6.1309	16.626
L9	27.3733	30.5838	2679.9791	9.3802	13.7602	194.7633	5430.3642	15.0524	6.1477	16.959
	27.7955	31.0598	2807.0740	9.5262	13.9714	200.9153	5687.8929	15.2867	6.2570	17.261
L10	27.7293	46.7931	4169.6098	9.4590	13.9714	298.4383	8448.7598	23.0302	5.7545	10.463
	27.8138	46.9376	4208.3430	9.4882	14.0137	300.3025	8527.2438	23.1013	5.7763	10.502
L11	27.8138	46.9376	4208.3430	9.4882	14.0137	300.3025	8527.2438	23.1013	5.7763	10.502
	28.0671	47.3709	4325.9804	9.5758	14.1404	305.9299	8765.6090	23.3145	5.8419	10.622
L12	28.1112	36.7759	3389.8874	9.6206	14.1404	239.7302	6868.8309	18.1000	6.1769	14.534
	28.1956	36.8875	3420.8470	9.6498	14.1827	241.1989	6931.5635	18.1549	6.1988	14.585
L13	28.2000	35.8192	3324.8552	9.6543	14.1827	234.4307	6737.0581	17.6291	6.2323	15.109
	29.8888	37.9859	3965.4520	10.2382	15.0277	263.8768	8035.0807	18.6955	6.6694	16.168

Section	Tip Dia.	Area	I	r	C	I/C	J	It/Q	w	w/t
	in	in^2	in^4	in	in	in^3	in^4	in^2	in	
L14	29.8932	36.8509	3850.3311	10.2427	15.0277	256.2162	7801.8147	18.1369	6.7029	16.757
	31.5820	38.9519	4547.1724	10.8267	15.8727	286.4784	9213.8040	19.1710	7.1401	17.85
L15	31.5842	38.3512	4478.8986	10.8289	15.8727	282.1771	9075.4628	18.8753	7.1569	18.176
	33.2730	40.4195	5243.2982	11.4129	16.7176	313.6386	10624.3436	19.8932	7.5940	19.286
L16	33.2730	40.4195	5243.2982	11.4129	16.7176	313.6386	10624.3436	19.8932	7.5940	19.286
	35.3840	43.0047	6315.1243	12.1429	17.7739	355.3037	12796.1540	21.1656	8.1405	20.674
L17	34.8329	48.4947	6222.5740	11.3508	16.6699	373.2823	12608.6220	23.8676	7.3516	15.477
	35.1696	51.4801	7443.9798	12.0496	17.6810	421.0168	15083.5213	25.3369	7.8747	16.578
L18	35.1741	50.1440	7256.1640	12.0541	17.6810	410.3943	14702.9556	24.6793	7.9082	17.099
	36.8580	52.5663	8359.3761	12.6364	18.5235	451.2845	16938.3623	25.8716	8.3441	18.041
L19	36.8580	52.5663	8359.3761	12.6364	18.5235	451.2845	16938.3623	25.8716	8.3441	18.041
	37.7269	53.8163	8969.9825	12.9369	18.9583	473.1433	18175.6163	26.4867	8.5690	18.528
L20	37.7137	58.1194	9667.1201	12.9234	18.9583	509.9155	19588.2062	28.6046	8.4685	16.937
	37.7979	58.2503	9732.6052	12.9526	19.0004	512.2314	19720.8967	28.6690	8.4903	16.981
L21	37.8023	56.8137	9499.1288	12.9570	19.0004	499.9434	19247.8104	27.9620	8.5238	17.485
	39.4862	59.3670	10838.2660	13.5393	19.8430	546.2019	21961.2654	29.2186	8.9597	18.379
L22	39.4862	59.3670	10838.2660	13.5393	19.8430	546.2019	21961.2654	29.2186	8.9597	18.379
	39.8803	59.9644	11168.8004	13.6756	20.0401	557.3219	22631.0177	29.5127	9.0617	18.588
L23	39.8582	67.5415	12538.9501	13.6532	20.0401	625.6922	25407.3123	33.2419	8.8942	16.171
	40.2788	68.2610	12943.9375	13.7987	20.2506	639.1890	26227.9267	33.5960	9.0031	16.369
L24	40.3075	58.2996	11101.6768	13.8277	20.2506	548.2157	22495.0070	28.6933	9.2209	19.671
	40.3916	58.4222	11171.8834	13.8568	20.2926	550.5384	22637.2646	28.7537	9.2426	19.718
L25	40.3938	57.6526	11028.2655	13.8591	20.2926	543.4611	22346.2559	28.3749	9.2594	20.02
	42.0761	60.0726	12476.1473	14.4408	21.1344	590.3242	25280.0569	29.5659	9.6949	20.962
L26	42.0783	59.2700	12313.2725	14.4431	21.1344	582.6176	24950.0284	29.1709	9.7117	21.286
	43.7606	61.6573	13861.9013	15.0248	21.9762	630.7702	28087.9702	30.3459	10.1471	22.24
L27	43.7628	60.8218	13678.1213	15.0270	21.9762	622.4075	27715.5820	29.9346	10.1639	22.586
	46.6228	64.8246	16560.3484	16.0160	23.4071	707.4918	33555.7556	31.9047	10.9042	24.232
L28	45.8962	79.5008	17921.4382	15.0450	22.0733	811.9066	36313.6926	39.1279	9.8456	16.759
	46.2275	83.7383	20942.6241	15.8469	23.2336	901.3940	42435.4343	41.2135	10.4460	17.78
L29	46.2319	81.9798	20514.4058	15.8513	23.2336	882.9630	41567.7478	40.3480	10.4795	18.225
	47.0932	83.5202	21692.7048	16.1492	23.6646	916.6743	43955.3011	41.1061	10.7024	18.613
L30	47.1395	64.6434	16887.6639	16.1962	23.6646	713.6265	34218.9855	31.8155	11.0542	24.911
	47.2224	64.7577	16977.4106	16.2248	23.7060	716.1648	34400.8367	31.8718	11.0756	24.959
L31	47.2224	64.7577	16977.4106	16.2248	23.7060	716.1648	34400.8367	31.8718	11.0756	24.959
	47.2721	64.8263	17031.4110	16.2420	23.7309	717.6900	34510.2561	31.9055	11.0885	24.988
L32	47.2522	72.9531	19119.0319	16.2219	23.7309	805.6606	38740.3421	35.9053	10.9377	21.876
	48.9426	75.5820	21261.2370	16.8064	24.5767	865.0983	43081.0304	37.1991	11.3753	22.751
L33	48.9426	75.5820	21261.2370	16.8064	24.5767	865.0983	43081.0304	37.1991	11.3753	22.751
	50.6330	78.2108	23557.7642	17.3910	25.4225	926.6513	47734.4171	38.4930	11.8129	23.626
L34	50.6352	77.2431	23272.2724	17.3932	25.4225	915.4214	47155.9333	38.0167	11.8297	23.959
	52.3256	79.8391	25698.4002	17.9778	26.2683	978.3059	52071.9259	39.2944	12.2673	24.845
L35	52.3279	78.8382	25382.5789	17.9800	26.2683	966.2830	51431.9864	38.8018	12.2840	25.198
	54.0183	81.4013	27939.5730	18.5645	27.1141	1030.4458	56613.1497	40.0633	12.7216	26.096
L36	54.0183	81.4013	27939.5730	18.5645	27.1141	1030.4458	56613.1497	40.0633	12.7216	26.096
	55.7087	83.9645	30662.7710	19.1491	27.9599	1096.6711	62131.0872	41.3248	13.1592	26.993
L37	55.7087	83.9645	30662.7710	19.1491	27.9599	1096.6711	62131.0872	41.3248	13.1592	26.993
	56.4694	85.1179	31943.8286	19.4121	28.3405	1127.1454	64726.8571	41.8924	13.3561	27.397
L38	56.4694	85.1179	31943.8286	19.4121	28.3405	1127.1454	64726.8571	41.8924	13.3561	27.397
	56.5539	85.2460	32088.3320	19.4414	28.3828	1130.5572	65019.6602	41.9555	13.3780	27.442
L39	56.5561	84.1628	31687.8814	19.4436	28.3828	1116.4483	64208.2388	41.4224	13.3948	27.833
	58.2465	86.6930	34632.6307	20.0281	29.2286	1184.8903	70175.0992	42.6677	13.8324	28.743
L40	58.2465	86.6930	34632.6307	20.0281	29.2286	1184.8903	70175.0992	42.6677	13.8324	28.743
	60.7821	90.4884	39383.2600	20.9050	30.4973	1291.3709	79801.1622	44.5356	14.4887	30.106
L41	59.9695	97.9169	38205.1746	19.7935	28.9246	1320.8525	77414.0418	48.1917	13.4909	24.529
	60.3058	102.5203	43850.8919	20.7240	30.2711	1448.6070	88853.7955	50.4574	14.1875	25.795
L42	60.3058	102.5203	43850.8919	20.7240	30.2711	1448.6070	88853.7955	50.4574	14.1875	25.795
	61.9877	105.3974	47647.3330	21.3056	31.1126	1531.4481	96546.4145	51.8734	14.6229	26.587
L43	61.9899	104.2107	47120.7287	21.3079	31.1126	1514.5224	95479.3714	51.2893	14.6396	26.923
	63.5305	106.8161	50744.1775	21.8406	31.8834	1591.5529	102821.4610	52.5717	15.0384	27.657
L44	63.5548	93.4158	44478.2784	21.8652	31.8834	1395.0277	90125.0506	45.9764	15.2227	32.048
	63.6389	93.5400	44655.9766	21.8943	31.9255	1398.7552	90485.1155	46.0376	15.2444	32.094
L45	63.6389	93.5400	44655.9766	21.8943	31.9255	1398.7552	90485.1155	46.0376	15.2444	32.094
	63.6960	93.6245	44777.0814	21.9141	31.9541	1401.2927	90730.5066	46.0791	15.2592	32.125
L46	63.6762	104.6154	49941.6983	21.8939	31.9541	1562.9187	101195.4207	51.4885	15.1085	28.44
	65.3554	107.3901	54021.7781	22.4746	32.7943	1647.2900	109462.7685	52.8541	15.5432	29.258
L47	65.3576	106.1372	53402.1742	22.4769	32.7943	1628.3964	108207.2830	52.2375	15.5600	29.638
	66.0293	107.2340	55074.9011	22.7091	33.1304	1662.3667	111596.6812	52.7773	15.7338	29.969
L48	66.0029	122.4083	62719.7481	22.6823	33.1304	1893.1168	127087.2139	60.2456	15.5328	25.888
	66.0868	122.5650	62960.9079	22.7113	33.1724	1897.9892	127575.8689	60.3228	15.5546	25.924

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L49	66.0868	122.5650	62960.9079	22.7113	33.1724	1897.9892	127575.8689	60.3228	15.5546	25.924
	70.7048	131.1828	77197.3505	24.3082	35.4830	2175.6151	156422.7614	64.5642	16.7500	27.917
L50	69.8068	123.8516	64964.4917	22.9497	33.5174	1938.2333	131635.6728	60.9560	15.7330	26.222
	70.1435	130.1355	75363.1160	24.1141	35.2022	2140.8640	152706.1049	64.0487	16.6047	27.675
L51	70.1480	127.4480	73834.1413	24.1186	35.2022	2097.4300	149607.9877	62.7260	16.6382	28.32
	71.8316	130.5245	79311.1676	24.7008	36.0446	2200.3615	160705.9279	64.2402	17.0741	29.062
L52	71.8316	130.5245	79311.1676	24.7008	36.0446	2200.3615	160705.9279	64.2402	17.0741	29.062
	73.5152	133.6010	85052.5670	25.2830	36.8870	2305.7588	172339.5597	65.7543	17.5099	29.804
L53	73.5152	133.6010	85052.5670	25.2830	36.8870	2305.7588	172339.5597	65.7543	17.5099	29.804
	74.0473	134.5732	86922.8201	25.4670	37.1532	2339.5771	176129.1995	66.2328	17.6476	30.039
L54	73.9238	213.6878	136669.3358	25.3417	37.1532	3678.5328	276929.1273	105.1707	16.7096	17.824
	74.0080	213.9333	137140.8585	25.3708	37.1953	3687.0441	277884.5601	105.2915	16.7314	17.847
L55	74.0168	208.3019	133625.0851	25.3798	37.1953	3592.5222	270760.6499	102.5198	16.7984	18.409
	75.7005	213.0803	143033.6520	25.9620	38.0378	3760.3078	289824.9574	104.8716	17.2343	18.887
L56	75.7049	210.1976	141147.2494	25.9664	38.0378	3710.7149	286002.5942	103.4529	17.2678	19.186
	76.0988	211.3004	143380.5690	26.1027	38.2349	3749.9944	290527.9053	103.9956	17.3697	19.3

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
L1 185.00-180.00				1	1	1			
L2 180.00-175.00				1	1	1			
L3 175.00-170.00				1	1	1			
L4 170.00-165.00				1	1	1			
L5 165.00-160.00				1	1	1			
L6 160.00-155.00				1	1	1			
L7 155.00-154.00				1	1	1			
L8 154.00-153.75				1	1	0.970809			
L9 153.75-152.50				1	1	0.98275			
L10 152.50-152.25				1	1	0.939738			
L11 152.25-151.50				1	1	0.935299			
L12 151.50-151.25				1	1	0.958557			
L13 151.25-146.25				1	1	0.965409			
L14 146.25-141.25				1	1	0.975178			
L15 141.25-136.25				1	1	0.97226			
L16 136.25-130.00				1	1	0.967999			
L17 130.00-129.00				1	1	0.967523			
L18 129.00-124.00				1	1	0.972439			
L19 124.00-121.42				1	1	0.962408			
L20 121.42-121.17				1	1	0.967636			
L21 121.17-116.17				1	1	0.971491			
L22 116.17-115.00				1	1	0.966921			
L23 115.00-113.75				1	1	0.967791			
L24 113.75-113.50				1	1	0.977901			
L25 113.50-108.50				1	1	0.978255			
L26 108.50-103.50				1	1	0.979632			
L27 103.50-95.00				1	1	0.987419			
L28 95.00-94.00				1	1	0.965747			
L29 94.00-91.40				1	1	0.978292			
L30 91.40-91.15				1	1	0.984623			
L31 91.15-91.00				1	1	0.984326			
L32 91.00-86.00				1	1	0.990491			
L33 86.00-81.00				1	1	0.982407			
L34 81.00-76.00				1	1	0.987066			
L35 76.00-71.00				1	1	0.992343			
L36 71.00-66.00				1	1	0.985532			
L37 66.00-63.75				1	1	0.982601			
L38 63.75-63.50				1	1	0.982281			
L39 63.50-58.50				1	1	0.988627			
L40 58.50-51.00				1	1	0.988018			
L41 51.00-50.00				1	1	0.991576			
L42 50.00-45.00				1	1	0.98312			
L43 45.00-40.42				1	1	0.986885			
L44 40.42-40.17				1	1	0.983471			
L45 40.17-40.00				1	1	0.983296			
L46 40.00-35.00				1	1	0.992613			

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
L47 35.00-33.00				1	1	1.00258			
L48 33.00-32.75				1	1	1.07829			
L49 32.75-19.00				1	1	1.07001			
L50 19.00-18.00				1	1	1.05798			
L51 18.00-13.00				1	1	1.07238			
L52 13.00-8.00				1	1	1.06483			
L53 8.00-6.42				1	1	1.06252			
L54 6.42-6.17				1	1	0.582868			
L55 6.17-1.17				1	1	0.595953			
L56 1.17-0.00				1	1	0.60351			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
***										
Safety Line 3/8"	C	No	Surface Ar (CaAa)	185.00 - 0.00	1	1	-0.300 -0.300	0.3750		0.22
Step Pegs	C	No	Surface Ar (CaAa)	185.00 - 0.00	1	1	-0.350 -0.250	0.3500		0.45
***										
HCS 6X12 4AWG(1-5/8)	C	No	Surface Ar (CaAa)	184.00 - 0.00	3	3	-0.470 -0.340	1.6600		2.40
******										
CU12PSM6P4XXX(1-3/4)	B	No	Surface Ar (CaAa)	163.00 - 0.00	1	1	-0.450 -0.450	1.7500		2.72
***										
CCI-045100 (L)	C	No	Surface Af (CaAa)	53.92 - 38.92	1	1	-0.318 -0.318	4.5000	11.0000	0.00
CCI-045100 (L)	B	No	Surface Af (CaAa)	53.92 - 38.92	1	1	-0.318 -0.318	4.5000	11.0000	0.00
CCI-045100 (L)	A	No	Surface Af (CaAa)	53.92 - 38.92	1	1	-0.318 -0.318	4.5000	11.0000	0.00
*										
CCI-060100 (L)	C	No	Surface Af (CaAa)	123.92 - 88.89	1	1	-0.318 -0.318	6.0000	14.0000	0.00
CCI-060100 (L)	B	No	Surface Af (CaAa)	123.92 - 88.89	1	1	-0.318 -0.318	6.0000	14.0000	0.00
CCI-060100 (L)	A	No	Surface Af (CaAa)	123.92 - 88.89	1	1	-0.318 -0.318	6.0000	14.0000	0.00
*										
CCI-045100 (L)	B	No	Surface Af (CaAa)	154.50 - 119.50	1	1	0.432 0.432	4.5000	11.0000	0.00
CCI-045100 (L)	A	No	Surface Af (CaAa)	154.50 - 119.50	1	1	0.432 0.432	4.5000	11.0000	0.00
CCI-045100 (L)	C	No	Surface Af (CaAa)	154.50 - 119.50	1	1	0.432 0.432	4.5000	11.0000	0.00
***										
CCI-085125 (L)	B	No	Surface Af (CaAa)	37.42 - 0.00	1	1	0.182 0.182	8.5000	19.5000	0.00
CCI-085125 (L)	A	No	Surface Af (CaAa)	37.42 - 0.00	1	1	0.432 0.432	8.5000	19.5000	0.00
CCI-085125 (L)	A	No	Surface Af (CaAa)	37.42 - 0.00	1	1	-0.318 -0.318	8.5000	19.5000	0.00
CCI-085125 (L)	C	No	Surface Af (CaAa)	37.42 - 0.00	1	1	0.182 0.182	8.5000	19.5000	0.00
*										
CCI-060100 (L)	B	No	Surface Af (CaAa)	65.50 - 30.50	1	1	-0.068 -0.068	6.0000	14.0000	0.00
CCI-060100 (L)	A	No	Surface Af (CaAa)	65.50 - 30.50	1	1	-0.068 -0.068	6.0000	14.0000	0.00

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
CCI-060100 (L)	C	No	Surface Af (CaAa)	65.50 - 30.50	1	1	-0.068 -0.068	6.0000	14.0000	0.00
*										
CCI-060100 (L)	B	No	Surface Af (CaAa)	101.67 - 61.67	1	1	0.182 0.182	6.0000	14.0000	0.00
CCI-060100 (L)	A	No	Surface Af (CaAa)	101.67 - 61.67	1	1	0.182 0.182	6.0000	14.0000	0.00
CCI-060100 (L)	C	No	Surface Af (CaAa)	101.67 - 61.67	1	1	0.182 0.182	6.0000	14.0000	0.00
***										
CCI-040075 (W)	B	No	Surface Af (CaAa)	132.50 - 112.50	1	1	0.182 0.182	4.0000	9.5000	0.00
CCI-040075 (W)	A	No	Surface Af (CaAa)	132.50 - 112.50	1	1	0.182 0.182	4.0000	9.5000	0.00
CCI-040075 (W)	C	No	Surface Af (CaAa)	132.50 - 112.50	1	1	0.182 0.182	4.0000	9.5000	0.00
*										
CCI-040075 (W)	B	No	Surface Af (CaAa)	155.25 - 150.25	1	1	0.182 0.182	4.0000	9.5000	0.00
CCI-040075 (W)	A	No	Surface Af (CaAa)	155.25 - 150.25	1	1	0.182 0.182	4.0000	9.5000	0.00
CCI-040075 (W)	C	No	Surface Af (CaAa)	155.25 - 150.25	1	1	0.182 0.182	4.0000	9.5000	0.00
***										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
******									
LDF6-50A(1-1/4)	A	No	No	Inside Pole	171.00 - 0.00	12	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.60 0.60 0.60
FB-L98B-034-XXXXXX(3/8)	A	No	No	Inside Pole	171.00 - 0.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.05 0.05 0.05
CONDUIT (1)	A	No	No	Inside Pole	171.00 - 0.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.50 0.50 0.50
***									
PWRT-608-S(13/16)	A	No	No	Inside Pole	171.00 - 0.00	4	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.62 0.62 0.62
PWRT-606-S(7/8)	A	No	No	Inside Pole	171.00 - 0.00	3	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.89 0.89 0.89
FB-L98B-235-XXX(3/8)	A	No	No	Inside Pole	171.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.06 0.06 0.06
******									
HB158-1-08U8-S8J18(1-5/8)	B	No	No	Inside Pole	155.00 - 0.00	2	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	1.30 1.30 1.30
***									

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
L1	185.00-180.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	2.354	0.000	0.03
L2	180.00-175.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	2.853	0.000	0.04
L3	175.00-170.00	A	0.000	0.000	0.000	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	2.853	0.000	0.04
L4	170.00-165.00	A	0.000	0.000	0.000	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	2.853	0.000	0.04
L5	165.00-160.00	A	0.000	0.000	0.000	0.000	0.07
		B	0.000	0.000	0.525	0.000	0.01
		C	0.000	0.000	2.853	0.000	0.04
L6	160.00-155.00	A	0.000	0.000	0.138	0.000	0.07
		B	0.000	0.000	1.013	0.000	0.01
		C	0.000	0.000	2.991	0.000	0.04
L7	155.00-154.00	A	0.000	0.000	0.928	0.000	0.01
		B	0.000	0.000	1.103	0.000	0.01
		C	0.000	0.000	1.498	0.000	0.01
L8	154.00-153.75	A	0.000	0.000	0.326	0.000	0.00
		B	0.000	0.000	0.369	0.000	0.00
		C	0.000	0.000	0.468	0.000	0.00
L9	153.75-152.50	A	0.000	0.000	1.628	0.000	0.02
		B	0.000	0.000	1.847	0.000	0.01
		C	0.000	0.000	2.342	0.000	0.01
L10	152.50-152.25	A	0.000	0.000	0.326	0.000	0.00
		B	0.000	0.000	0.369	0.000	0.00
		C	0.000	0.000	0.468	0.000	0.00
L11	152.25-151.50	A	0.000	0.000	0.977	0.000	0.01
		B	0.000	0.000	1.108	0.000	0.00
		C	0.000	0.000	1.405	0.000	0.01
L12	151.50-151.25	A	0.000	0.000	0.326	0.000	0.00
		B	0.000	0.000	0.369	0.000	0.00
		C	0.000	0.000	0.468	0.000	0.00
L13	151.25-146.25	A	0.000	0.000	4.303	0.000	0.07
		B	0.000	0.000	5.178	0.000	0.03
		C	0.000	0.000	7.155	0.000	0.04
L14	146.25-141.25	A	0.000	0.000	3.750	0.000	0.07
		B	0.000	0.000	4.625	0.000	0.03
		C	0.000	0.000	6.603	0.000	0.04
L15	141.25-136.25	A	0.000	0.000	3.750	0.000	0.07
		B	0.000	0.000	4.625	0.000	0.03
		C	0.000	0.000	6.603	0.000	0.04
L16	136.25-130.00	A	0.000	0.000	6.354	0.000	0.08
		B	0.000	0.000	7.448	0.000	0.03
		C	0.000	0.000	9.920	0.000	0.05
L17	130.00-129.00	A	0.000	0.000	1.417	0.000	0.01
		B	0.000	0.000	1.592	0.000	0.01
		C	0.000	0.000	1.987	0.000	0.01
L18	129.00-124.00	A	0.000	0.000	7.083	0.000	0.07
		B	0.000	0.000	7.958	0.000	0.03
		C	0.000	0.000	9.936	0.000	0.04
L19	124.00-121.42	A	0.000	0.000	6.155	0.000	0.03
		B	0.000	0.000	6.606	0.000	0.01
		C	0.000	0.000	7.627	0.000	0.02
L20	121.42-121.17	A	0.000	0.000	0.604	0.000	0.00
		B	0.000	0.000	0.648	0.000	0.00
		C	0.000	0.000	0.747	0.000	0.00
L21	121.17-116.17	A	0.000	0.000	9.586	0.000	0.07
		B	0.000	0.000	10.461	0.000	0.03
		C	0.000	0.000	12.438	0.000	0.04
L22	116.17-115.00	A	0.000	0.000	1.950	0.000	0.02
		B	0.000	0.000	2.155	0.000	0.01
		C	0.000	0.000	2.617	0.000	0.01

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
L23	115.00-113.75	A	0.000	0.000	2.083	0.000	0.02
		B	0.000	0.000	2.302	0.000	0.01
		C	0.000	0.000	2.796	0.000	0.01
L24	113.75-113.50	A	0.000	0.000	0.417	0.000	0.00
		B	0.000	0.000	0.460	0.000	0.00
		C	0.000	0.000	0.559	0.000	0.00
L25	113.50-108.50	A	0.000	0.000	5.667	0.000	0.07
		B	0.000	0.000	6.542	0.000	0.03
		C	0.000	0.000	8.519	0.000	0.04
L26	108.50-103.50	A	0.000	0.000	5.000	0.000	0.07
		B	0.000	0.000	5.875	0.000	0.03
		C	0.000	0.000	7.853	0.000	0.04
L27	103.50-95.00	A	0.000	0.000	15.170	0.000	0.11
		B	0.000	0.000	16.657	0.000	0.05
		C	0.000	0.000	20.019	0.000	0.07
L28	95.00-94.00	A	0.000	0.000	2.000	0.000	0.01
		B	0.000	0.000	2.175	0.000	0.01
		C	0.000	0.000	2.571	0.000	0.01
L29	94.00-91.40	A	0.000	0.000	5.200	0.000	0.04
		B	0.000	0.000	5.655	0.000	0.01
		C	0.000	0.000	6.683	0.000	0.02
L30	91.40-91.15	A	0.000	0.000	0.500	0.000	0.00
		B	0.000	0.000	0.544	0.000	0.00
		C	0.000	0.000	0.643	0.000	0.00
L31	91.15-91.00	A	0.000	0.000	0.300	0.000	0.00
		B	0.000	0.000	0.326	0.000	0.00
		C	0.000	0.000	0.386	0.000	0.00
L32	91.00-86.00	A	0.000	0.000	7.110	0.000	0.07
		B	0.000	0.000	7.985	0.000	0.03
		C	0.000	0.000	9.963	0.000	0.04
L33	86.00-81.00	A	0.000	0.000	5.000	0.000	0.07
		B	0.000	0.000	5.875	0.000	0.03
		C	0.000	0.000	7.853	0.000	0.04
L34	81.00-76.00	A	0.000	0.000	5.000	0.000	0.07
		B	0.000	0.000	5.875	0.000	0.03
		C	0.000	0.000	7.853	0.000	0.04
L35	76.00-71.00	A	0.000	0.000	5.000	0.000	0.07
		B	0.000	0.000	5.875	0.000	0.03
		C	0.000	0.000	7.853	0.000	0.04
L36	71.00-66.00	A	0.000	0.000	5.000	0.000	0.07
		B	0.000	0.000	5.875	0.000	0.03
		C	0.000	0.000	7.853	0.000	0.04
L37	66.00-63.75	A	0.000	0.000	4.000	0.000	0.03
		B	0.000	0.000	4.394	0.000	0.01
		C	0.000	0.000	5.284	0.000	0.02
L38	63.75-63.50	A	0.000	0.000	0.500	0.000	0.00
		B	0.000	0.000	0.544	0.000	0.00
		C	0.000	0.000	0.643	0.000	0.00
L39	63.50-58.50	A	0.000	0.000	6.830	0.000	0.07
		B	0.000	0.000	7.705	0.000	0.03
		C	0.000	0.000	9.682	0.000	0.04
L40	58.50-51.00	A	0.000	0.000	9.690	0.000	0.10
		B	0.000	0.000	11.002	0.000	0.04
		C	0.000	0.000	13.969	0.000	0.06
L41	51.00-50.00	A	0.000	0.000	1.750	0.000	0.01
		B	0.000	0.000	1.925	0.000	0.01
		C	0.000	0.000	2.321	0.000	0.01
L42	50.00-45.00	A	0.000	0.000	8.750	0.000	0.07
		B	0.000	0.000	9.625	0.000	0.03
		C	0.000	0.000	11.602	0.000	0.04
L43	45.00-40.42	A	0.000	0.000	8.015	0.000	0.06
		B	0.000	0.000	8.816	0.000	0.02
		C	0.000	0.000	10.628	0.000	0.04
L44	40.42-40.17	A	0.000	0.000	0.438	0.000	0.00
		B	0.000	0.000	0.481	0.000	0.00
		C	0.000	0.000	0.580	0.000	0.00
L45	40.17-40.00	A	0.000	0.000	0.297	0.000	0.00
		B	0.000	0.000	0.327	0.000	0.00
		C	0.000	0.000	0.394	0.000	0.00

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
L46	40.00-35.00	A	0.000	0.000	12.667	0.000	0.07
		B	0.000	0.000	10.113	0.000	0.03
		C	0.000	0.000	12.091	0.000	0.04
L47	35.00-33.00	A	0.000	0.000	7.667	0.000	0.03
		B	0.000	0.000	5.183	0.000	0.01
		C	0.000	0.000	5.974	0.000	0.02
L48	33.00-32.75	A	0.000	0.000	0.958	0.000	0.00
		B	0.000	0.000	0.648	0.000	0.00
		C	0.000	0.000	0.747	0.000	0.00
L49	32.75-19.00	A	0.000	0.000	41.208	0.000	0.19
		B	0.000	0.000	24.135	0.000	0.07
		C	0.000	0.000	29.574	0.000	0.11
L50	19.00-18.00	A	0.000	0.000	2.833	0.000	0.01
		B	0.000	0.000	1.592	0.000	0.01
		C	0.000	0.000	1.987	0.000	0.01
L51	18.00-13.00	A	0.000	0.000	14.167	0.000	0.07
		B	0.000	0.000	7.958	0.000	0.03
		C	0.000	0.000	9.936	0.000	0.04
L52	13.00-8.00	A	0.000	0.000	14.167	0.000	0.07
		B	0.000	0.000	7.958	0.000	0.03
		C	0.000	0.000	9.936	0.000	0.04
L53	8.00-6.42	A	0.000	0.000	4.477	0.000	0.02
		B	0.000	0.000	2.515	0.000	0.01
		C	0.000	0.000	3.140	0.000	0.01
L54	6.42-6.17	A	0.000	0.000	0.708	0.000	0.00
		B	0.000	0.000	0.398	0.000	0.00
		C	0.000	0.000	0.497	0.000	0.00
L55	6.17-1.17	A	0.000	0.000	14.167	0.000	0.07
		B	0.000	0.000	7.958	0.000	0.03
		C	0.000	0.000	9.936	0.000	0.04
L56	1.17-0.00	A	0.000	0.000	3.315	0.000	0.02
		B	0.000	0.000	1.862	0.000	0.01
		C	0.000	0.000	2.325	0.000	0.01

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
L1	185.00-180.00	A	1.009	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	5.878	0.000	0.07
L2	180.00-175.00	A	1.006	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	6.744	0.000	0.09
L3	175.00-170.00	A	1.003	0.000	0.000	0.000	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	6.734	0.000	0.09
L4	170.00-165.00	A	1.000	0.000	0.000	0.000	0.000	0.07
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	6.725	0.000	0.09
L5	165.00-160.00	A	0.997	0.000	0.000	0.000	0.000	0.07
		B		0.000	0.000	1.123	0.000	0.02
		C		0.000	0.000	6.715	0.000	0.09
L6	160.00-155.00	A	0.994	0.000	0.000	0.165	0.000	0.07
		B		0.000	0.000	2.034	0.000	0.03
		C		0.000	0.000	6.870	0.000	0.09
L7	155.00-154.00	A	0.992	0.000	0.000	1.134	0.000	0.02
		B		0.000	0.000	1.507	0.000	0.02
		C		0.000	0.000	2.473	0.000	0.03
L8	154.00-153.75	A	0.991	0.000	0.000	0.402	0.000	0.01
		B		0.000	0.000	0.495	0.000	0.00
		C		0.000	0.000	0.737	0.000	0.01
L9	153.75-152.50	A	0.991	0.000	0.000	2.009	0.000	0.03
		B		0.000	0.000	2.476	0.000	0.02
		C		0.000	0.000	3.683	0.000	0.04

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
L10	152.50-152.25	A	0.991	0.000	0.000	0.402	0.000	0.01
		B		0.000	0.000	0.495	0.000	0.00
		C		0.000	0.000	0.737	0.000	0.01
L11	152.25-151.50	A	0.990	0.000	0.000	1.205	0.000	0.02
		B		0.000	0.000	1.485	0.000	0.01
		C		0.000	0.000	2.209	0.000	0.02
L12	151.50-151.25	A	0.990	0.000	0.000	0.402	0.000	0.01
		B		0.000	0.000	0.495	0.000	0.00
		C		0.000	0.000	0.736	0.000	0.01
L13	151.25-146.25	A	0.988	0.000	0.000	5.397	0.000	0.10
		B		0.000	0.000	7.260	0.000	0.08
		C		0.000	0.000	12.083	0.000	0.12
L14	146.25-141.25	A	0.985	0.000	0.000	4.735	0.000	0.10
		B		0.000	0.000	6.594	0.000	0.07
		C		0.000	0.000	11.410	0.000	0.11
L15	141.25-136.25	A	0.981	0.000	0.000	4.731	0.000	0.10
		B		0.000	0.000	6.588	0.000	0.07
		C		0.000	0.000	11.395	0.000	0.11
L16	136.25-130.00	A	0.977	0.000	0.000	8.064	0.000	0.13
		B		0.000	0.000	10.380	0.000	0.10
		C		0.000	0.000	16.378	0.000	0.15
L17	130.00-129.00	A	0.975	0.000	0.000	1.808	0.000	0.02
		B		0.000	0.000	2.178	0.000	0.02
		C		0.000	0.000	3.138	0.000	0.03
L18	129.00-124.00	A	0.972	0.000	0.000	9.028	0.000	0.12
		B		0.000	0.000	10.875	0.000	0.10
		C		0.000	0.000	15.663	0.000	0.14
L19	124.00-121.42	A	0.969	0.000	0.000	7.640	0.000	0.08
		B		0.000	0.000	8.592	0.000	0.07
		C		0.000	0.000	11.059	0.000	0.09
L20	121.42-121.17	A	0.968	0.000	0.000	0.749	0.000	0.01
		B		0.000	0.000	0.842	0.000	0.01
		C		0.000	0.000	1.080	0.000	0.01
L21	121.17-116.17	A	0.966	0.000	0.000	11.841	0.000	0.13
		B		0.000	0.000	13.682	0.000	0.11
		C		0.000	0.000	18.455	0.000	0.15
L22	116.17-115.00	A	0.964	0.000	0.000	2.401	0.000	0.03
		B		0.000	0.000	2.831	0.000	0.02
		C		0.000	0.000	3.947	0.000	0.03
L23	115.00-113.75	A	0.962	0.000	0.000	2.565	0.000	0.03
		B		0.000	0.000	3.024	0.000	0.03
		C		0.000	0.000	4.215	0.000	0.04
L24	113.75-113.50	A	0.962	0.000	0.000	0.513	0.000	0.01
		B		0.000	0.000	0.605	0.000	0.01
		C		0.000	0.000	0.843	0.000	0.01
L25	113.50-108.50	A	0.960	0.000	0.000	6.818	0.000	0.11
		B		0.000	0.000	8.653	0.000	0.08
		C		0.000	0.000	13.412	0.000	0.12
L26	108.50-103.50	A	0.955	0.000	0.000	5.955	0.000	0.10
		B		0.000	0.000	7.785	0.000	0.08
		C		0.000	0.000	12.535	0.000	0.12
L27	103.50-95.00	A	0.949	0.000	0.000	18.049	0.000	0.21
		B		0.000	0.000	21.150	0.000	0.17
		C		0.000	0.000	29.199	0.000	0.24
L28	95.00-94.00	A	0.944	0.000	0.000	2.380	0.000	0.03
		B		0.000	0.000	2.744	0.000	0.02
		C		0.000	0.000	3.691	0.000	0.03
L29	94.00-91.40	A	0.942	0.000	0.000	6.180	0.000	0.07
		B		0.000	0.000	7.125	0.000	0.06
		C		0.000	0.000	9.580	0.000	0.08
L30	91.40-91.15	A	0.941	0.000	0.000	0.594	0.000	0.01
		B		0.000	0.000	0.685	0.000	0.01
		C		0.000	0.000	0.921	0.000	0.01
L31	91.15-91.00	A	0.941	0.000	0.000	0.356	0.000	0.00
		B		0.000	0.000	0.411	0.000	0.00
		C		0.000	0.000	0.552	0.000	0.00
L32	91.00-86.00	A	0.938	0.000	0.000	8.444	0.000	0.11
		B		0.000	0.000	10.257	0.000	0.09
		C		0.000	0.000	14.968	0.000	0.13

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
L33	86.00-81.00	A	0.933	0.000	0.000	5.933	0.000	0.10
		B		0.000	0.000	7.740	0.000	0.07
		C		0.000	0.000	12.439	0.000	0.12
L34	81.00-76.00	A	0.927	0.000	0.000	5.927	0.000	0.10
		B		0.000	0.000	7.729	0.000	0.07
		C		0.000	0.000	12.414	0.000	0.11
L35	76.00-71.00	A	0.921	0.000	0.000	5.921	0.000	0.10
		B		0.000	0.000	7.717	0.000	0.07
		C		0.000	0.000	12.389	0.000	0.11
L36	71.00-66.00	A	0.914	0.000	0.000	5.914	0.000	0.10
		B		0.000	0.000	7.704	0.000	0.07
		C		0.000	0.000	12.361	0.000	0.11
L37	66.00-63.75	A	0.909	0.000	0.000	4.728	0.000	0.06
		B		0.000	0.000	5.531	0.000	0.04
		C		0.000	0.000	7.621	0.000	0.06
L38	63.75-63.50	A	0.908	0.000	0.000	0.591	0.000	0.01
		B		0.000	0.000	0.680	0.000	0.01
		C		0.000	0.000	0.912	0.000	0.01
L39	63.50-58.50	A	0.904	0.000	0.000	8.065	0.000	0.11
		B		0.000	0.000	9.843	0.000	0.08
		C		0.000	0.000	14.477	0.000	0.12
L40	58.50-51.00	A	0.894	0.000	0.000	11.553	0.000	0.16
		B		0.000	0.000	14.207	0.000	0.12
		C		0.000	0.000	21.125	0.000	0.18
L41	51.00-50.00	A	0.887	0.000	0.000	2.108	0.000	0.02
		B		0.000	0.000	2.461	0.000	0.02
		C		0.000	0.000	3.384	0.000	0.03
L42	50.00-45.00	A	0.882	0.000	0.000	10.513	0.000	0.12
		B		0.000	0.000	12.270	0.000	0.10
		C		0.000	0.000	16.853	0.000	0.13
L43	45.00-40.42	A	0.872	0.000	0.000	9.613	0.000	0.11
		B		0.000	0.000	11.213	0.000	0.09
		C		0.000	0.000	15.392	0.000	0.12
L44	40.42-40.17	A	0.867	0.000	0.000	0.524	0.000	0.01
		B		0.000	0.000	0.611	0.000	0.00
		C		0.000	0.000	0.839	0.000	0.01
L45	40.17-40.00	A	0.867	0.000	0.000	0.356	0.000	0.00
		B		0.000	0.000	0.416	0.000	0.00
		C		0.000	0.000	0.570	0.000	0.00
L46	40.00-35.00	A	0.861	0.000	0.000	14.547	0.000	0.14
		B		0.000	0.000	12.438	0.000	0.09
		C		0.000	0.000	16.975	0.000	0.13
L47	35.00-33.00	A	0.853	0.000	0.000	8.690	0.000	0.07
		B		0.000	0.000	6.206	0.000	0.04
		C		0.000	0.000	8.014	0.000	0.06
L48	33.00-32.75	A	0.850	0.000	0.000	1.086	0.000	0.01
		B		0.000	0.000	0.775	0.000	0.01
		C		0.000	0.000	1.001	0.000	0.01
L49	32.75-19.00	A	0.829	0.000	0.000	46.143	0.000	0.40
		B		0.000	0.000	29.070	0.000	0.22
		C		0.000	0.000	41.351	0.000	0.32
L50	19.00-18.00	A	0.802	0.000	0.000	3.165	0.000	0.03
		B		0.000	0.000	1.923	0.000	0.02
		C		0.000	0.000	2.817	0.000	0.02
L51	18.00-13.00	A	0.788	0.000	0.000	15.743	0.000	0.14
		B		0.000	0.000	9.535	0.000	0.07
		C		0.000	0.000	13.908	0.000	0.11
L52	13.00-8.00	A	0.758	0.000	0.000	15.683	0.000	0.13
		B		0.000	0.000	9.474	0.000	0.07
		C		0.000	0.000	13.780	0.000	0.11
L53	8.00-6.42	A	0.730	0.000	0.000	4.938	0.000	0.04
		B		0.000	0.000	2.976	0.000	0.02
		C		0.000	0.000	4.317	0.000	0.03
L54	6.42-6.17	A	0.720	0.000	0.000	0.780	0.000	0.01
		B		0.000	0.000	0.470	0.000	0.00
		C		0.000	0.000	0.681	0.000	0.01
L55	6.17-1.17	A	0.682	0.000	0.000	15.531	0.000	0.13
		B		0.000	0.000	9.323	0.000	0.07
		C		0.000	0.000	13.458	0.000	0.10

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
L56	1.17-0.00	A	0.568	0.000	0.000	3.581	0.000	0.03
		B		0.000	0.000	2.128	0.000	0.01
		C		0.000	0.000	3.035	0.000	0.02

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	185.00-180.00	1.7151	1.6118	2.1454	2.2442
L2	180.00-175.00	2.0103	1.8684	2.3778	2.4317
L3	175.00-170.00	2.0419	1.8981	2.4642	2.5209
L4	170.00-165.00	2.0699	1.9245	2.5434	2.6025
L5	165.00-160.00	2.0649	1.3543	2.5551	1.9319
L6	160.00-155.00	2.0145	0.9807	2.5378	1.5006
L7	155.00-154.00	1.0656	0.5190	1.5750	0.9320
L8	154.00-153.75	0.8941	0.4355	1.3564	0.8027
L9	153.75-152.50	0.8993	0.4381	1.3646	0.8077
L10	152.50-152.25	0.9051	0.4409	1.3738	0.8132
L11	152.25-151.50	0.9085	0.4426	1.3793	0.8166
L12	151.50-151.25	0.9114	0.4441	1.3841	0.8195
L13	151.25-146.25	1.1479	0.5595	1.6750	0.9922
L14	146.25-141.25	1.2550	0.6120	1.8145	1.0758
L15	141.25-136.25	1.2885	0.6286	1.8699	1.1095
L16	136.25-130.00	1.1617	0.5670	1.7225	1.0228
L17	130.00-129.00	0.9931	0.4849	1.5040	0.8933
L18	129.00-124.00	1.0100	0.4932	1.5300	0.9089
L19	124.00-121.42	0.7548	0.3687	1.2004	0.7134
L20	121.42-121.17	0.7550	0.3688	1.2022	0.7146
L21	121.17-116.17	0.8872	0.4335	1.3944	0.8290
L22	116.17-115.00	0.9786	0.4782	1.5261	0.9075
L23	115.00-113.75	0.9848	0.4813	1.5360	0.9135
L24	113.75-113.50	0.9883	0.4830	1.5416	0.9169
L25	113.50-108.50	1.2173	0.5951	1.8675	1.1110
L26	108.50-103.50	1.3122	0.6416	2.0046	1.1930
L27	103.50-95.00	1.0178	0.4978	1.6209	0.9650
L28	95.00-94.00	0.9664	0.4727	1.5523	0.9243
L29	94.00-91.40	0.9739	0.4765	1.5621	0.9301
L30	91.40-91.15	0.9796	0.4793	1.5709	0.9354
L31	91.15-91.00	0.9804	0.4797	1.5722	0.9362
L32	91.00-86.00	1.1864	0.5805	1.8584	1.1067
L33	86.00-81.00	1.4073	0.6887	2.1548	1.2834
L34	81.00-76.00	1.4285	0.6993	2.1878	1.3032
L35	76.00-71.00	1.4490	0.7095	2.2193	1.3221
L36	71.00-66.00	1.4689	0.7193	2.2493	1.3400
L37	66.00-63.75	1.1540	0.5652	1.8284	1.0893
L38	63.75-63.50	1.0899	0.5338	1.7389	1.0360
L39	63.50-58.50	1.3223	0.6477	2.0598	1.2272
L40	58.50-51.00	1.3776	0.6749	2.1269	1.2671
L41	51.00-50.00	1.2079	0.5918	1.8896	1.1258
L42	50.00-45.00	1.2186	0.5971	1.8997	1.1314
L43	45.00-40.42	1.2352	0.6053	1.9217	1.1443
L44	40.42-40.17	1.2433	0.6093	1.9320	1.1503
L45	40.17-40.00	1.2440	0.6096	1.9329	1.1509
L46	40.00-35.00	1.3931	1.7589	2.0394	2.1130
L47	35.00-33.00	1.3868	2.5388	1.9482	2.7559
L48	33.00-32.75	1.3922	2.5484	1.9541	2.7655
L49	32.75-19.00	1.7138	3.1363	2.3524	3.3397
L50	19.00-18.00	1.8071	3.3066	2.4717	3.5091
L51	18.00-13.00	1.8211	3.3317	2.4602	3.5159
L52	13.00-8.00	1.8439	3.3729	2.4689	3.5457
L53	8.00-6.42	1.8587	3.3996	2.4676	3.5605
L54	6.42-6.17	1.8643	3.4097	2.4675	3.5662
L55	6.17-1.17	1.8758	3.4304	2.4533	3.5689
L56	1.17-0.00	1.8892	3.4546	2.3796	3.5346

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	2	Safety Line 3/8"	180.00 - 185.00	1.0000	1.0000
L1	3	Step Pegs	180.00 - 185.00	1.0000	1.0000
L1	5	HCS 6X12 4AWG(1-5/8)	180.00 - 184.00	1.0000	1.0000
L2	2	Safety Line 3/8"	175.00 - 180.00	1.0000	1.0000
L2	3	Step Pegs	175.00 - 180.00	1.0000	1.0000
L2	5	HCS 6X12 4AWG(1-5/8)	175.00 - 180.00	1.0000	1.0000
L3	2	Safety Line 3/8"	170.00 - 175.00	1.0000	1.0000
L3	3	Step Pegs	170.00 - 175.00	1.0000	1.0000
L3	5	HCS 6X12 4AWG(1-5/8)	170.00 - 175.00	1.0000	1.0000
L4	2	Safety Line 3/8"	165.00 - 170.00	1.0000	1.0000
L4	3	Step Pegs	165.00 - 170.00	1.0000	1.0000
L4	5	HCS 6X12 4AWG(1-5/8)	165.00 - 170.00	1.0000	1.0000
L5	2	Safety Line 3/8"	160.00 - 165.00	1.0000	1.0000
L5	3	Step Pegs	160.00 - 165.00	1.0000	1.0000
L5	5	HCS 6X12 4AWG(1-5/8)	160.00 - 165.00	1.0000	1.0000
L5	18	CU12PSM6P4XXX(1-3/4)	160.00 - 163.00	1.0000	1.0000
L6	2	Safety Line 3/8"	155.00 - 160.00	1.0000	1.0000
L6	3	Step Pegs	155.00 - 160.00	1.0000	1.0000
L6	5	HCS 6X12 4AWG(1-5/8)	155.00 - 160.00	1.0000	1.0000
L6	18	CU12PSM6P4XXX(1-3/4)	155.00 - 160.00	1.0000	1.0000
L6	51	CCI-040075 (W)	155.00 - 155.25	1.0000	1.0000
L6	52	CCI-040075 (W)	155.00 - 155.25	1.0000	1.0000
L6	53	CCI-040075 (W)	155.00 - 155.25	1.0000	1.0000
L7	2	Safety Line 3/8"	154.00 - 155.00	1.0000	1.0000
L7	3	Step Pegs	154.00 - 155.00	1.0000	1.0000
L7	5	HCS 6X12 4AWG(1-5/8)	154.00 - 155.00	1.0000	1.0000
L7	18	CU12PSM6P4XXX(1-3/4)	154.00 - 155.00	1.0000	1.0000
L7	30	CCI-045100 (L)	154.00 - 154.50	1.0000	1.0000
L7	31	CCI-045100 (L)	154.00 - 154.50	1.0000	1.0000
L7	32	CCI-045100 (L)	154.00 - 154.50	1.0000	1.0000
L7	51	CCI-040075 (W)	154.00 - 155.00	1.0000	1.0000
L7	52	CCI-040075 (W)	154.00 - 155.00	1.0000	1.0000
L7	53	CCI-040075 (W)	154.00 - 155.00	1.0000	1.0000
L8	2	Safety Line 3/8"	153.75 - 154.00	1.0000	1.0000
L8	3	Step Pegs	153.75 - 154.00	1.0000	1.0000
L8	5	HCS 6X12 4AWG(1-5/8)	153.75 - 154.00	1.0000	1.0000
L8	18	CU12PSM6P4XXX(1-3/4)	153.75 - 154.00	1.0000	1.0000
L8	30	CCI-045100 (L)	153.75 - 154.00	1.0000	1.0000
L8	31	CCI-045100 (L)	153.75 - 154.00	1.0000	1.0000
L8	32	CCI-045100 (L)	153.75 - 154.00	1.0000	1.0000
L8	51	CCI-040075 (W)	153.75 - 154.00	1.0000	1.0000
L8	52	CCI-040075 (W)	153.75 - 154.00	1.0000	1.0000
L8	53	CCI-040075 (W)	153.75 - 154.00	1.0000	1.0000
L9	2	Safety Line 3/8"	152.50 - 153.75	1.0000	1.0000
L9	3	Step Pegs	152.50 - 153.75	1.0000	1.0000
L9	5	HCS 6X12 4AWG(1-5/8)	152.50 - 153.75	1.0000	1.0000
L9	18	CU12PSM6P4XXX(1-3/4)	152.50 - 153.75	1.0000	1.0000
L9	30	CCI-045100 (L)	152.50 - 153.75	1.0000	1.0000
L9	31	CCI-045100 (L)	152.50 - 153.75	1.0000	1.0000
L9	32	CCI-045100 (L)	152.50 - 153.75	1.0000	1.0000
L9	51	CCI-040075 (W)	152.50 - 153.75	1.0000	1.0000
L9	52	CCI-040075 (W)	152.50 - 153.75	1.0000	1.0000
L9	53	CCI-040075 (W)	152.50 - 153.75	1.0000	1.0000
L10	2	Safety Line 3/8"	152.25 - 152.50	1.0000	1.0000
L10	3	Step Pegs	152.25 - 152.50	1.0000	1.0000
L10	5	HCS 6X12 4AWG(1-5/8)	152.25 - 152.50	1.0000	1.0000
L10	18	CU12PSM6P4XXX(1-3/4)	152.25 - 152.50	1.0000	1.0000
L10	30	CCI-045100 (L)	152.25 - 152.50	1.0000	1.0000
L10	31	CCI-045100 (L)	152.25 - 152.50	1.0000	1.0000
L10	32	CCI-045100 (L)	152.25 - 152.50	1.0000	1.0000
L10	51	CCI-040075 (W)	152.25 - 152.50	1.0000	1.0000
L10	52	CCI-040075 (W)	152.25 - 152.50	1.0000	1.0000
L10	53	CCI-040075 (W)	152.25 - 152.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L11	2	Safety Line 3/8"	151.50 - 152.25	1.0000	1.0000
L11	3	Step Pegs	151.50 - 152.25	1.0000	1.0000
L11	5	HCS 6X12 4AWG(1-5/8)	151.50 - 152.25	1.0000	1.0000
L11	18	CU12PSM6P4XXX(1-3/4)	151.50 - 152.25	1.0000	1.0000
L11	30	CCI-045100 (L)	151.50 - 152.25	1.0000	1.0000
L11	31	CCI-045100 (L)	151.50 - 152.25	1.0000	1.0000
L11	32	CCI-045100 (L)	151.50 - 152.25	1.0000	1.0000
L11	51	CCI-040075 (W)	151.50 - 152.25	1.0000	1.0000
L11	52	CCI-040075 (W)	151.50 - 152.25	1.0000	1.0000
L11	53	CCI-040075 (W)	151.50 - 152.25	1.0000	1.0000
L12	2	Safety Line 3/8"	151.25 - 151.50	1.0000	1.0000
L12	3	Step Pegs	151.25 - 151.50	1.0000	1.0000
L12	5	HCS 6X12 4AWG(1-5/8)	151.25 - 151.50	1.0000	1.0000
L12	18	CU12PSM6P4XXX(1-3/4)	151.25 - 151.50	1.0000	1.0000
L12	30	CCI-045100 (L)	151.25 - 151.50	1.0000	1.0000
L12	31	CCI-045100 (L)	151.25 - 151.50	1.0000	1.0000
L12	32	CCI-045100 (L)	151.25 - 151.50	1.0000	1.0000
L12	51	CCI-040075 (W)	151.25 - 151.50	1.0000	1.0000
L12	52	CCI-040075 (W)	151.25 - 151.50	1.0000	1.0000
L12	53	CCI-040075 (W)	151.25 - 151.50	1.0000	1.0000
L13	2	Safety Line 3/8"	146.25 - 151.25	1.0000	1.0000
L13	3	Step Pegs	146.25 - 151.25	1.0000	1.0000
L13	5	HCS 6X12 4AWG(1-5/8)	146.25 - 151.25	1.0000	1.0000
L13	18	CU12PSM6P4XXX(1-3/4)	146.25 - 151.25	1.0000	1.0000
L13	30	CCI-045100 (L)	146.25 - 151.25	1.0000	1.0000
L13	31	CCI-045100 (L)	146.25 - 151.25	1.0000	1.0000
L13	32	CCI-045100 (L)	146.25 - 151.25	1.0000	1.0000
L13	51	CCI-040075 (W)	150.25 - 151.25	1.0000	1.0000
L13	52	CCI-040075 (W)	150.25 - 151.25	1.0000	1.0000
L13	53	CCI-040075 (W)	150.25 - 151.25	1.0000	1.0000
L14	2	Safety Line 3/8"	141.25 - 146.25	1.0000	1.0000
L14	3	Step Pegs	141.25 - 146.25	1.0000	1.0000
L14	5	HCS 6X12 4AWG(1-5/8)	141.25 - 146.25	1.0000	1.0000
L14	18	CU12PSM6P4XXX(1-3/4)	141.25 - 146.25	1.0000	1.0000
L14	30	CCI-045100 (L)	141.25 - 146.25	1.0000	1.0000
L14	31	CCI-045100 (L)	141.25 - 146.25	1.0000	1.0000
L14	32	CCI-045100 (L)	141.25 - 146.25	1.0000	1.0000
L15	2	Safety Line 3/8"	136.25 - 141.25	1.0000	1.0000
L15	3	Step Pegs	136.25 - 141.25	1.0000	1.0000
L15	5	HCS 6X12 4AWG(1-5/8)	136.25 - 141.25	1.0000	1.0000
L15	18	CU12PSM6P4XXX(1-3/4)	136.25 - 141.25	1.0000	1.0000
L15	30	CCI-045100 (L)	136.25 - 141.25	1.0000	1.0000
L15	31	CCI-045100 (L)	136.25 - 141.25	1.0000	1.0000
L15	32	CCI-045100 (L)	136.25 - 141.25	1.0000	1.0000
L16	2	Safety Line 3/8"	130.00 - 136.25	1.0000	1.0000
L16	3	Step Pegs	130.00 - 136.25	1.0000	1.0000
L16	5	HCS 6X12 4AWG(1-5/8)	130.00 - 136.25	1.0000	1.0000
L16	18	CU12PSM6P4XXX(1-3/4)	130.00 - 136.25	1.0000	1.0000
L16	30	CCI-045100 (L)	130.00 - 136.25	1.0000	1.0000
L16	31	CCI-045100 (L)	130.00 - 136.25	1.0000	1.0000
L16	32	CCI-045100 (L)	130.00 - 136.25	1.0000	1.0000
L16	47	CCI-040075 (W)	130.00 - 132.50	1.0000	1.0000
L16	48	CCI-040075 (W)	130.00 - 132.50	1.0000	1.0000
L16	49	CCI-040075 (W)	130.00 - 132.50	1.0000	1.0000
L17	2	Safety Line 3/8"	129.00 - 130.00	1.0000	1.0000
L17	3	Step Pegs	129.00 - 130.00	1.0000	1.0000
L17	5	HCS 6X12 4AWG(1-5/8)	129.00 - 130.00	1.0000	1.0000
L17	18	CU12PSM6P4XXX(1-3/4)	129.00 - 130.00	1.0000	1.0000
L17	30	CCI-045100 (L)	129.00 - 130.00	1.0000	1.0000
L17	31	CCI-045100 (L)	129.00 - 130.00	1.0000	1.0000
L17	32	CCI-045100 (L)	129.00 - 130.00	1.0000	1.0000
L17	47	CCI-040075 (W)	129.00 - 130.00	1.0000	1.0000
L17	48	CCI-040075 (W)	129.00 - 130.00	1.0000	1.0000
L17	49	CCI-040075 (W)	129.00 - 130.00	1.0000	1.0000
L18	2	Safety Line 3/8"	124.00 - 129.00	1.0000	1.0000
L18	3	Step Pegs	124.00 - 129.00	1.0000	1.0000
L18	5	HCS 6X12 4AWG(1-5/8)	124.00 - 129.00	1.0000	1.0000
L18	18	CU12PSM6P4XXX(1-3/4)	124.00 - 129.00	1.0000	1.0000
L18	30	CCI-045100 (L)	124.00 - 129.00	1.0000	1.0000
L18	31	CCI-045100 (L)	124.00 - 129.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L18	32	CCI-045100 (L)	124.00 - 129.00	1.0000	1.0000
L18	47	CCI-040075 (W)	124.00 - 129.00	1.0000	1.0000
L18	48	CCI-040075 (W)	124.00 - 129.00	1.0000	1.0000
L18	49	CCI-040075 (W)	124.00 - 129.00	1.0000	1.0000
L19	2	Safety Line 3/8"	121.42 - 124.00	1.0000	1.0000
L19	3	Step Pegs	121.42 - 124.00	1.0000	1.0000
L19	5	HCS 6X12 4AWG(1-5/8)	121.42 - 124.00	1.0000	1.0000
L19	18	CU12PSM6P4XXX(1-3/4)	121.42 - 124.00	1.0000	1.0000
L19	26	CCI-060100 (L)	121.42 - 123.92	1.0000	1.0000
L19	27	CCI-060100 (L)	121.42 - 123.92	1.0000	1.0000
L19	28	CCI-060100 (L)	121.42 - 123.92	1.0000	1.0000
L19	30	CCI-045100 (L)	121.42 - 124.00	1.0000	1.0000
L19	31	CCI-045100 (L)	121.42 - 124.00	1.0000	1.0000
L19	32	CCI-045100 (L)	121.42 - 124.00	1.0000	1.0000
L19	47	CCI-040075 (W)	121.42 - 124.00	1.0000	1.0000
L19	48	CCI-040075 (W)	121.42 - 124.00	1.0000	1.0000
L19	49	CCI-040075 (W)	121.42 - 124.00	1.0000	1.0000
L20	2	Safety Line 3/8"	121.17 - 121.42	1.0000	1.0000
L20	3	Step Pegs	121.17 - 121.42	1.0000	1.0000
L20	5	HCS 6X12 4AWG(1-5/8)	121.17 - 121.42	1.0000	1.0000
L20	18	CU12PSM6P4XXX(1-3/4)	121.17 - 121.42	1.0000	1.0000
L20	26	CCI-060100 (L)	121.17 - 121.42	1.0000	1.0000
L20	27	CCI-060100 (L)	121.17 - 121.42	1.0000	1.0000
L20	28	CCI-060100 (L)	121.17 - 121.42	1.0000	1.0000
L20	30	CCI-045100 (L)	121.17 - 121.42	1.0000	1.0000
L20	31	CCI-045100 (L)	121.17 - 121.42	1.0000	1.0000
L20	32	CCI-045100 (L)	121.17 - 121.42	1.0000	1.0000
L20	47	CCI-040075 (W)	121.17 - 121.42	1.0000	1.0000
L20	48	CCI-040075 (W)	121.17 - 121.42	1.0000	1.0000
L20	49	CCI-040075 (W)	121.17 - 121.42	1.0000	1.0000
L21	2	Safety Line 3/8"	116.17 - 121.17	1.0000	1.0000
L21	3	Step Pegs	116.17 - 121.17	1.0000	1.0000
L21	5	HCS 6X12 4AWG(1-5/8)	116.17 - 121.17	1.0000	1.0000
L21	18	CU12PSM6P4XXX(1-3/4)	116.17 - 121.17	1.0000	1.0000
L21	26	CCI-060100 (L)	116.17 - 121.17	1.0000	1.0000
L21	27	CCI-060100 (L)	116.17 - 121.17	1.0000	1.0000
L21	28	CCI-060100 (L)	116.17 - 121.17	1.0000	1.0000
L21	30	CCI-045100 (L)	119.50 - 121.17	1.0000	1.0000
L21	31	CCI-045100 (L)	119.50 - 121.17	1.0000	1.0000
L21	32	CCI-045100 (L)	119.50 - 121.17	1.0000	1.0000
L21	47	CCI-040075 (W)	116.17 - 121.17	1.0000	1.0000
L21	48	CCI-040075 (W)	116.17 - 121.17	1.0000	1.0000
L21	49	CCI-040075 (W)	116.17 - 121.17	1.0000	1.0000
L22	2	Safety Line 3/8"	115.00 - 116.17	1.0000	1.0000
L22	3	Step Pegs	115.00 - 116.17	1.0000	1.0000
L22	5	HCS 6X12 4AWG(1-5/8)	115.00 - 116.17	1.0000	1.0000
L22	18	CU12PSM6P4XXX(1-3/4)	115.00 - 116.17	1.0000	1.0000
L22	26	CCI-060100 (L)	115.00 - 116.17	1.0000	1.0000
L22	27	CCI-060100 (L)	115.00 - 116.17	1.0000	1.0000
L22	28	CCI-060100 (L)	115.00 - 116.17	1.0000	1.0000
L22	47	CCI-040075 (W)	115.00 - 116.17	1.0000	1.0000
L22	48	CCI-040075 (W)	115.00 - 116.17	1.0000	1.0000
L22	49	CCI-040075 (W)	115.00 - 116.17	1.0000	1.0000
L23	2	Safety Line 3/8"	113.75 - 115.00	1.0000	1.0000
L23	3	Step Pegs	113.75 - 115.00	1.0000	1.0000
L23	5	HCS 6X12 4AWG(1-5/8)	113.75 - 115.00	1.0000	1.0000
L23	18	CU12PSM6P4XXX(1-3/4)	113.75 - 115.00	1.0000	1.0000
L23	26	CCI-060100 (L)	113.75 - 115.00	1.0000	1.0000
L23	27	CCI-060100 (L)	113.75 - 115.00	1.0000	1.0000
L23	28	CCI-060100 (L)	113.75 - 115.00	1.0000	1.0000
L23	47	CCI-040075 (W)	113.75 - 115.00	1.0000	1.0000
L23	48	CCI-040075 (W)	113.75 - 115.00	1.0000	1.0000
L23	49	CCI-040075 (W)	113.75 - 115.00	1.0000	1.0000
L24	2	Safety Line 3/8"	113.50 - 113.75	1.0000	1.0000
L24	3	Step Pegs	113.50 - 113.75	1.0000	1.0000
L24	5	HCS 6X12 4AWG(1-5/8)	113.50 - 113.75	1.0000	1.0000
L24	18	CU12PSM6P4XXX(1-3/4)	113.50 - 113.75	1.0000	1.0000
L24	26	CCI-060100 (L)	113.50 - 113.75	1.0000	1.0000
L24	27	CCI-060100 (L)	113.50 - 113.75	1.0000	1.0000
L24	28	CCI-060100 (L)	113.50 - 113.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L24	47	CCI-040075 (W)	113.50 - 113.75	1.0000	1.0000
L24	48	CCI-040075 (W)	113.50 - 113.75	1.0000	1.0000
L24	49	CCI-040075 (W)	113.50 - 113.75	1.0000	1.0000
L25	2	Safety Line 3/8"	108.50 - 113.50	1.0000	1.0000
L25	3	Step Pegs	108.50 - 113.50	1.0000	1.0000
L25	5	HCS 6X12 4AWG(1-5/8)	108.50 - 113.50	1.0000	1.0000
L25	18	CU12PSM6P4XXX(1-3/4)	108.50 - 113.50	1.0000	1.0000
L25	26	CCI-060100 (L)	108.50 - 113.50	1.0000	1.0000
L25	27	CCI-060100 (L)	108.50 - 113.50	1.0000	1.0000
L25	28	CCI-060100 (L)	108.50 - 113.50	1.0000	1.0000
L25	47	CCI-040075 (W)	112.50 - 113.50	1.0000	1.0000
L25	48	CCI-040075 (W)	112.50 - 113.50	1.0000	1.0000
L25	49	CCI-040075 (W)	112.50 - 113.50	1.0000	1.0000
L26	2	Safety Line 3/8"	103.50 - 108.50	1.0000	1.0000
L26	3	Step Pegs	103.50 - 108.50	1.0000	1.0000
L26	5	HCS 6X12 4AWG(1-5/8)	103.50 - 108.50	1.0000	1.0000
L26	18	CU12PSM6P4XXX(1-3/4)	103.50 - 108.50	1.0000	1.0000
L26	26	CCI-060100 (L)	103.50 - 108.50	1.0000	1.0000
L26	27	CCI-060100 (L)	103.50 - 108.50	1.0000	1.0000
L26	28	CCI-060100 (L)	103.50 - 108.50	1.0000	1.0000
L27	2	Safety Line 3/8"	95.00 - 103.50	1.0000	1.0000
L27	3	Step Pegs	95.00 - 103.50	1.0000	1.0000
L27	5	HCS 6X12 4AWG(1-5/8)	95.00 - 103.50	1.0000	1.0000
L27	18	CU12PSM6P4XXX(1-3/4)	95.00 - 103.50	1.0000	1.0000
L27	26	CCI-060100 (L)	95.00 - 103.50	1.0000	1.0000
L27	27	CCI-060100 (L)	95.00 - 103.50	1.0000	1.0000
L27	28	CCI-060100 (L)	95.00 - 103.50	1.0000	1.0000
L27	43	CCI-060100 (L)	95.00 - 101.67	1.0000	1.0000
L27	44	CCI-060100 (L)	95.00 - 101.67	1.0000	1.0000
L27	45	CCI-060100 (L)	95.00 - 101.67	1.0000	1.0000
L28	2	Safety Line 3/8"	94.00 - 95.00	1.0000	1.0000
L28	3	Step Pegs	94.00 - 95.00	1.0000	1.0000
L28	5	HCS 6X12 4AWG(1-5/8)	94.00 - 95.00	1.0000	1.0000
L28	18	CU12PSM6P4XXX(1-3/4)	94.00 - 95.00	1.0000	1.0000
L28	26	CCI-060100 (L)	94.00 - 95.00	1.0000	1.0000
L28	27	CCI-060100 (L)	94.00 - 95.00	1.0000	1.0000
L28	28	CCI-060100 (L)	94.00 - 95.00	1.0000	1.0000
L28	43	CCI-060100 (L)	94.00 - 95.00	1.0000	1.0000
L28	44	CCI-060100 (L)	94.00 - 95.00	1.0000	1.0000
L28	45	CCI-060100 (L)	94.00 - 95.00	1.0000	1.0000
L29	2	Safety Line 3/8"	91.40 - 94.00	1.0000	1.0000
L29	3	Step Pegs	91.40 - 94.00	1.0000	1.0000
L29	5	HCS 6X12 4AWG(1-5/8)	91.40 - 94.00	1.0000	1.0000
L29	18	CU12PSM6P4XXX(1-3/4)	91.40 - 94.00	1.0000	1.0000
L29	26	CCI-060100 (L)	91.40 - 94.00	1.0000	1.0000
L29	27	CCI-060100 (L)	91.40 - 94.00	1.0000	1.0000
L29	28	CCI-060100 (L)	91.40 - 94.00	1.0000	1.0000
L29	43	CCI-060100 (L)	91.40 - 94.00	1.0000	1.0000
L29	44	CCI-060100 (L)	91.40 - 94.00	1.0000	1.0000
L29	45	CCI-060100 (L)	91.40 - 94.00	1.0000	1.0000
L30	2	Safety Line 3/8"	91.15 - 91.40	1.0000	1.0000
L30	3	Step Pegs	91.15 - 91.40	1.0000	1.0000
L30	5	HCS 6X12 4AWG(1-5/8)	91.15 - 91.40	1.0000	1.0000
L30	18	CU12PSM6P4XXX(1-3/4)	91.15 - 91.40	1.0000	1.0000
L30	26	CCI-060100 (L)	91.15 - 91.40	1.0000	1.0000
L30	27	CCI-060100 (L)	91.15 - 91.40	1.0000	1.0000
L30	28	CCI-060100 (L)	91.15 - 91.40	1.0000	1.0000
L30	43	CCI-060100 (L)	91.15 - 91.40	1.0000	1.0000
L30	44	CCI-060100 (L)	91.15 - 91.40	1.0000	1.0000
L30	45	CCI-060100 (L)	91.15 - 91.40	1.0000	1.0000
L31	2	Safety Line 3/8"	91.00 - 91.15	1.0000	1.0000
L31	3	Step Pegs	91.00 - 91.15	1.0000	1.0000
L31	5	HCS 6X12 4AWG(1-5/8)	91.00 - 91.15	1.0000	1.0000
L31	18	CU12PSM6P4XXX(1-3/4)	91.00 - 91.15	1.0000	1.0000
L31	26	CCI-060100 (L)	91.00 - 91.15	1.0000	1.0000
L31	27	CCI-060100 (L)	91.00 - 91.15	1.0000	1.0000
L31	28	CCI-060100 (L)	91.00 - 91.15	1.0000	1.0000
L31	43	CCI-060100 (L)	91.00 - 91.15	1.0000	1.0000
L31	44	CCI-060100 (L)	91.00 - 91.15	1.0000	1.0000
L31	45	CCI-060100 (L)	91.00 - 91.15	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L32	2	Safety Line 3/8"	86.00 - 91.00	1.0000	1.0000
L32	3	Step Pegs	86.00 - 91.00	1.0000	1.0000
L32	5	HCS 6X12 4AWG(1-5/8)	86.00 - 91.00	1.0000	1.0000
L32	18	CU12PSM6P4XXX(1-3/4)	86.00 - 91.00	1.0000	1.0000
L32	26	CCI-060100 (L)	88.89 - 91.00	1.0000	1.0000
L32	27	CCI-060100 (L)	88.89 - 91.00	1.0000	1.0000
L32	28	CCI-060100 (L)	88.89 - 91.00	1.0000	1.0000
L32	43	CCI-060100 (L)	86.00 - 91.00	1.0000	1.0000
L32	44	CCI-060100 (L)	86.00 - 91.00	1.0000	1.0000
L32	45	CCI-060100 (L)	86.00 - 91.00	1.0000	1.0000
L33	2	Safety Line 3/8"	81.00 - 86.00	1.0000	1.0000
L33	3	Step Pegs	81.00 - 86.00	1.0000	1.0000
L33	5	HCS 6X12 4AWG(1-5/8)	81.00 - 86.00	1.0000	1.0000
L33	18	CU12PSM6P4XXX(1-3/4)	81.00 - 86.00	1.0000	1.0000
L33	43	CCI-060100 (L)	81.00 - 86.00	1.0000	1.0000
L33	44	CCI-060100 (L)	81.00 - 86.00	1.0000	1.0000
L33	45	CCI-060100 (L)	81.00 - 86.00	1.0000	1.0000
L34	2	Safety Line 3/8"	76.00 - 81.00	1.0000	1.0000
L34	3	Step Pegs	76.00 - 81.00	1.0000	1.0000
L34	5	HCS 6X12 4AWG(1-5/8)	76.00 - 81.00	1.0000	1.0000
L34	18	CU12PSM6P4XXX(1-3/4)	76.00 - 81.00	1.0000	1.0000
L34	43	CCI-060100 (L)	76.00 - 81.00	1.0000	1.0000
L34	44	CCI-060100 (L)	76.00 - 81.00	1.0000	1.0000
L34	45	CCI-060100 (L)	76.00 - 81.00	1.0000	1.0000
L35	2	Safety Line 3/8"	71.00 - 76.00	1.0000	1.0000
L35	3	Step Pegs	71.00 - 76.00	1.0000	1.0000
L35	5	HCS 6X12 4AWG(1-5/8)	71.00 - 76.00	1.0000	1.0000
L35	18	CU12PSM6P4XXX(1-3/4)	71.00 - 76.00	1.0000	1.0000
L35	43	CCI-060100 (L)	71.00 - 76.00	1.0000	1.0000
L35	44	CCI-060100 (L)	71.00 - 76.00	1.0000	1.0000
L35	45	CCI-060100 (L)	71.00 - 76.00	1.0000	1.0000
L36	2	Safety Line 3/8"	66.00 - 71.00	1.0000	1.0000
L36	3	Step Pegs	66.00 - 71.00	1.0000	1.0000
L36	5	HCS 6X12 4AWG(1-5/8)	66.00 - 71.00	1.0000	1.0000
L36	18	CU12PSM6P4XXX(1-3/4)	66.00 - 71.00	1.0000	1.0000
L36	43	CCI-060100 (L)	66.00 - 71.00	1.0000	1.0000
L36	44	CCI-060100 (L)	66.00 - 71.00	1.0000	1.0000
L36	45	CCI-060100 (L)	66.00 - 71.00	1.0000	1.0000
L37	2	Safety Line 3/8"	63.75 - 66.00	1.0000	1.0000
L37	3	Step Pegs	63.75 - 66.00	1.0000	1.0000
L37	5	HCS 6X12 4AWG(1-5/8)	63.75 - 66.00	1.0000	1.0000
L37	18	CU12PSM6P4XXX(1-3/4)	63.75 - 66.00	1.0000	1.0000
L37	39	CCI-060100 (L)	63.75 - 65.50	1.0000	1.0000
L37	40	CCI-060100 (L)	63.75 - 65.50	1.0000	1.0000
L37	41	CCI-060100 (L)	63.75 - 65.50	1.0000	1.0000
L37	43	CCI-060100 (L)	63.75 - 66.00	1.0000	1.0000
L37	44	CCI-060100 (L)	63.75 - 66.00	1.0000	1.0000
L37	45	CCI-060100 (L)	63.75 - 66.00	1.0000	1.0000
L38	2	Safety Line 3/8"	63.50 - 63.75	1.0000	1.0000
L38	3	Step Pegs	63.50 - 63.75	1.0000	1.0000
L38	5	HCS 6X12 4AWG(1-5/8)	63.50 - 63.75	1.0000	1.0000
L38	18	CU12PSM6P4XXX(1-3/4)	63.50 - 63.75	1.0000	1.0000
L38	39	CCI-060100 (L)	63.50 - 63.75	1.0000	1.0000
L38	40	CCI-060100 (L)	63.50 - 63.75	1.0000	1.0000
L38	41	CCI-060100 (L)	63.50 - 63.75	1.0000	1.0000
L38	43	CCI-060100 (L)	63.50 - 63.75	1.0000	1.0000
L38	44	CCI-060100 (L)	63.50 - 63.75	1.0000	1.0000
L38	45	CCI-060100 (L)	63.50 - 63.75	1.0000	1.0000
L39	2	Safety Line 3/8"	58.50 - 63.50	1.0000	1.0000
L39	3	Step Pegs	58.50 - 63.50	1.0000	1.0000
L39	5	HCS 6X12 4AWG(1-5/8)	58.50 - 63.50	1.0000	1.0000
L39	18	CU12PSM6P4XXX(1-3/4)	58.50 - 63.50	1.0000	1.0000
L39	39	CCI-060100 (L)	58.50 - 63.50	1.0000	1.0000
L39	40	CCI-060100 (L)	58.50 - 63.50	1.0000	1.0000
L39	41	CCI-060100 (L)	58.50 - 63.50	1.0000	1.0000
L39	43	CCI-060100 (L)	61.67 - 63.50	1.0000	1.0000
L39	44	CCI-060100 (L)	61.67 - 63.50	1.0000	1.0000
L39	45	CCI-060100 (L)	61.67 - 63.50	1.0000	1.0000
L40	2	Safety Line 3/8"	51.00 - 58.50	1.0000	1.0000
L40	3	Step Pegs	51.00 - 58.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L40	5	HCS 6X12 4AWG(1-5/8)	51.00 - 58.50	1.0000	1.0000
L40	18	CU12PSM6P4XXX(1-3/4)	51.00 - 58.50	1.0000	1.0000
L40	22	CCI-045100 (L)	51.00 - 53.92	1.0000	1.0000
L40	23	CCI-045100 (L)	51.00 - 53.92	1.0000	1.0000
L40	24	CCI-045100 (L)	51.00 - 53.92	1.0000	1.0000
L40	39	CCI-060100 (L)	51.00 - 58.50	1.0000	1.0000
L40	40	CCI-060100 (L)	51.00 - 58.50	1.0000	1.0000
L40	41	CCI-060100 (L)	51.00 - 58.50	1.0000	1.0000
L41	2	Safety Line 3/8"	50.00 - 51.00	1.0000	1.0000
L41	3	Step Pegs	50.00 - 51.00	1.0000	1.0000
L41	5	HCS 6X12 4AWG(1-5/8)	50.00 - 51.00	1.0000	1.0000
L41	18	CU12PSM6P4XXX(1-3/4)	50.00 - 51.00	1.0000	1.0000
L41	22	CCI-045100 (L)	50.00 - 51.00	1.0000	1.0000
L41	23	CCI-045100 (L)	50.00 - 51.00	1.0000	1.0000
L41	24	CCI-045100 (L)	50.00 - 51.00	1.0000	1.0000
L41	39	CCI-060100 (L)	50.00 - 51.00	1.0000	1.0000
L41	40	CCI-060100 (L)	50.00 - 51.00	1.0000	1.0000
L41	41	CCI-060100 (L)	50.00 - 51.00	1.0000	1.0000
L42	2	Safety Line 3/8"	45.00 - 50.00	1.0000	1.0000
L42	3	Step Pegs	45.00 - 50.00	1.0000	1.0000
L42	5	HCS 6X12 4AWG(1-5/8)	45.00 - 50.00	1.0000	1.0000
L42	18	CU12PSM6P4XXX(1-3/4)	45.00 - 50.00	1.0000	1.0000
L42	22	CCI-045100 (L)	45.00 - 50.00	1.0000	1.0000
L42	23	CCI-045100 (L)	45.00 - 50.00	1.0000	1.0000
L42	24	CCI-045100 (L)	45.00 - 50.00	1.0000	1.0000
L42	39	CCI-060100 (L)	45.00 - 50.00	1.0000	1.0000
L42	40	CCI-060100 (L)	45.00 - 50.00	1.0000	1.0000
L42	41	CCI-060100 (L)	45.00 - 50.00	1.0000	1.0000
L43	2	Safety Line 3/8"	40.42 - 45.00	1.0000	1.0000
L43	3	Step Pegs	40.42 - 45.00	1.0000	1.0000
L43	5	HCS 6X12 4AWG(1-5/8)	40.42 - 45.00	1.0000	1.0000
L43	18	CU12PSM6P4XXX(1-3/4)	40.42 - 45.00	1.0000	1.0000
L43	22	CCI-045100 (L)	40.42 - 45.00	1.0000	1.0000
L43	23	CCI-045100 (L)	40.42 - 45.00	1.0000	1.0000
L43	24	CCI-045100 (L)	40.42 - 45.00	1.0000	1.0000
L43	39	CCI-060100 (L)	40.42 - 45.00	1.0000	1.0000
L43	40	CCI-060100 (L)	40.42 - 45.00	1.0000	1.0000
L43	41	CCI-060100 (L)	40.42 - 45.00	1.0000	1.0000
L44	2	Safety Line 3/8"	40.17 - 40.42	1.0000	1.0000
L44	3	Step Pegs	40.17 - 40.42	1.0000	1.0000
L44	5	HCS 6X12 4AWG(1-5/8)	40.17 - 40.42	1.0000	1.0000
L44	18	CU12PSM6P4XXX(1-3/4)	40.17 - 40.42	1.0000	1.0000
L44	22	CCI-045100 (L)	40.17 - 40.42	1.0000	1.0000
L44	23	CCI-045100 (L)	40.17 - 40.42	1.0000	1.0000
L44	24	CCI-045100 (L)	40.17 - 40.42	1.0000	1.0000
L44	39	CCI-060100 (L)	40.17 - 40.42	1.0000	1.0000
L44	40	CCI-060100 (L)	40.17 - 40.42	1.0000	1.0000
L44	41	CCI-060100 (L)	40.17 - 40.42	1.0000	1.0000
L45	2	Safety Line 3/8"	40.00 - 40.17	1.0000	1.0000
L45	3	Step Pegs	40.00 - 40.17	1.0000	1.0000
L45	5	HCS 6X12 4AWG(1-5/8)	40.00 - 40.17	1.0000	1.0000
L45	18	CU12PSM6P4XXX(1-3/4)	40.00 - 40.17	1.0000	1.0000
L45	22	CCI-045100 (L)	40.00 - 40.17	1.0000	1.0000
L45	23	CCI-045100 (L)	40.00 - 40.17	1.0000	1.0000
L45	24	CCI-045100 (L)	40.00 - 40.17	1.0000	1.0000
L45	39	CCI-060100 (L)	40.00 - 40.17	1.0000	1.0000
L45	40	CCI-060100 (L)	40.00 - 40.17	1.0000	1.0000
L45	41	CCI-060100 (L)	40.00 - 40.17	1.0000	1.0000
L46	2	Safety Line 3/8"	35.00 - 40.00	1.0000	1.0000
L46	3	Step Pegs	35.00 - 40.00	1.0000	1.0000
L46	5	HCS 6X12 4AWG(1-5/8)	35.00 - 40.00	1.0000	1.0000
L46	18	CU12PSM6P4XXX(1-3/4)	35.00 - 40.00	1.0000	1.0000
L46	22	CCI-045100 (L)	38.92 - 40.00	1.0000	1.0000
L46	23	CCI-045100 (L)	38.92 - 40.00	1.0000	1.0000
L46	24	CCI-045100 (L)	38.92 - 40.00	1.0000	1.0000
L46	34	CCI-085125 (L)	35.00 - 37.42	1.0000	1.0000
L46	35	CCI-085125 (L)	35.00 - 37.42	1.0000	1.0000
L46	36	CCI-085125 (L)	35.00 - 37.42	1.0000	1.0000
L46	37	CCI-085125 (L)	35.00 - 37.42	1.0000	1.0000
L46	39	CCI-060100 (L)	35.00 - 40.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L46	40	CCI-060100 (L)	35.00 - 40.00	1.0000	1.0000
L46	41	CCI-060100 (L)	35.00 - 40.00	1.0000	1.0000
L47	2	Safety Line 3/8"	33.00 - 35.00	1.0000	1.0000
L47	3	Step Pegs	33.00 - 35.00	1.0000	1.0000
L47	5	HCS 6X12 4AWG(1-5/8)	33.00 - 35.00	1.0000	1.0000
L47	18	CU12PSM6P4XXX(1-3/4)	33.00 - 35.00	1.0000	1.0000
L47	34	CCI-085125 (L)	33.00 - 35.00	1.0000	1.0000
L47	35	CCI-085125 (L)	33.00 - 35.00	1.0000	1.0000
L47	36	CCI-085125 (L)	33.00 - 35.00	1.0000	1.0000
L47	37	CCI-085125 (L)	33.00 - 35.00	1.0000	1.0000
L47	39	CCI-060100 (L)	33.00 - 35.00	1.0000	1.0000
L47	40	CCI-060100 (L)	33.00 - 35.00	1.0000	1.0000
L47	41	CCI-060100 (L)	33.00 - 35.00	1.0000	1.0000
L48	2	Safety Line 3/8"	32.75 - 33.00	1.0000	1.0000
L48	3	Step Pegs	32.75 - 33.00	1.0000	1.0000
L48	5	HCS 6X12 4AWG(1-5/8)	32.75 - 33.00	1.0000	1.0000
L48	18	CU12PSM6P4XXX(1-3/4)	32.75 - 33.00	1.0000	1.0000
L48	34	CCI-085125 (L)	32.75 - 33.00	1.0000	1.0000
L48	35	CCI-085125 (L)	32.75 - 33.00	1.0000	1.0000
L48	36	CCI-085125 (L)	32.75 - 33.00	1.0000	1.0000
L48	37	CCI-085125 (L)	32.75 - 33.00	1.0000	1.0000
L48	39	CCI-060100 (L)	32.75 - 33.00	1.0000	1.0000
L48	40	CCI-060100 (L)	32.75 - 33.00	1.0000	1.0000
L48	41	CCI-060100 (L)	32.75 - 33.00	1.0000	1.0000
L49	2	Safety Line 3/8"	19.00 - 32.75	1.0000	1.0000
L49	3	Step Pegs	19.00 - 32.75	1.0000	1.0000
L49	5	HCS 6X12 4AWG(1-5/8)	19.00 - 32.75	1.0000	1.0000
L49	18	CU12PSM6P4XXX(1-3/4)	19.00 - 32.75	1.0000	1.0000
L49	34	CCI-085125 (L)	19.00 - 32.75	1.0000	1.0000
L49	35	CCI-085125 (L)	19.00 - 32.75	1.0000	1.0000
L49	36	CCI-085125 (L)	19.00 - 32.75	1.0000	1.0000
L49	37	CCI-085125 (L)	19.00 - 32.75	1.0000	1.0000
L49	39	CCI-060100 (L)	30.50 - 32.75	1.0000	1.0000
L49	40	CCI-060100 (L)	30.50 - 32.75	1.0000	1.0000
L49	41	CCI-060100 (L)	30.50 - 32.75	1.0000	1.0000
L50	2	Safety Line 3/8"	18.00 - 19.00	1.0000	1.0000
L50	3	Step Pegs	18.00 - 19.00	1.0000	1.0000
L50	5	HCS 6X12 4AWG(1-5/8)	18.00 - 19.00	1.0000	1.0000
L50	18	CU12PSM6P4XXX(1-3/4)	18.00 - 19.00	1.0000	1.0000
L50	34	CCI-085125 (L)	18.00 - 19.00	1.0000	1.0000
L50	35	CCI-085125 (L)	18.00 - 19.00	1.0000	1.0000
L50	36	CCI-085125 (L)	18.00 - 19.00	1.0000	1.0000
L50	37	CCI-085125 (L)	18.00 - 19.00	1.0000	1.0000
L51	2	Safety Line 3/8"	13.00 - 18.00	1.0000	1.0000
L51	3	Step Pegs	13.00 - 18.00	1.0000	1.0000
L51	5	HCS 6X12 4AWG(1-5/8)	13.00 - 18.00	1.0000	1.0000
L51	18	CU12PSM6P4XXX(1-3/4)	13.00 - 18.00	1.0000	1.0000
L51	34	CCI-085125 (L)	13.00 - 18.00	1.0000	1.0000
L51	35	CCI-085125 (L)	13.00 - 18.00	1.0000	1.0000
L51	36	CCI-085125 (L)	13.00 - 18.00	1.0000	1.0000
L51	37	CCI-085125 (L)	13.00 - 18.00	1.0000	1.0000
L52	2	Safety Line 3/8"	8.00 - 13.00	1.0000	1.0000
L52	3	Step Pegs	8.00 - 13.00	1.0000	1.0000
L52	5	HCS 6X12 4AWG(1-5/8)	8.00 - 13.00	1.0000	1.0000
L52	18	CU12PSM6P4XXX(1-3/4)	8.00 - 13.00	1.0000	1.0000
L52	34	CCI-085125 (L)	8.00 - 13.00	1.0000	1.0000
L52	35	CCI-085125 (L)	8.00 - 13.00	1.0000	1.0000
L52	36	CCI-085125 (L)	8.00 - 13.00	1.0000	1.0000
L52	37	CCI-085125 (L)	8.00 - 13.00	1.0000	1.0000
L53	2	Safety Line 3/8"	6.42 - 8.00	1.0000	1.0000
L53	3	Step Pegs	6.42 - 8.00	1.0000	1.0000
L53	5	HCS 6X12 4AWG(1-5/8)	6.42 - 8.00	1.0000	1.0000
L53	18	CU12PSM6P4XXX(1-3/4)	6.42 - 8.00	1.0000	1.0000
L53	34	CCI-085125 (L)	6.42 - 8.00	1.0000	1.0000
L53	35	CCI-085125 (L)	6.42 - 8.00	1.0000	1.0000
L53	36	CCI-085125 (L)	6.42 - 8.00	1.0000	1.0000
L53	37	CCI-085125 (L)	6.42 - 8.00	1.0000	1.0000
L54	2	Safety Line 3/8"	6.17 - 6.42	1.0000	1.0000
L54	3	Step Pegs	6.17 - 6.42	1.0000	1.0000
L54	5	HCS 6X12 4AWG(1-5/8)	6.17 - 6.42	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L54	18	CU12PSM6P4XXX(1-3/4)	6.17 - 6.42	1.0000	1.0000
L54	34	CCI-085125 (L)	6.17 - 6.42	1.0000	1.0000
L54	35	CCI-085125 (L)	6.17 - 6.42	1.0000	1.0000
L54	36	CCI-085125 (L)	6.17 - 6.42	1.0000	1.0000
L54	37	CCI-085125 (L)	6.17 - 6.42	1.0000	1.0000
L55	2	Safety Line 3/8"	1.17 - 6.17	1.0000	1.0000
L55	3	Step Pegs	1.17 - 6.17	1.0000	1.0000
L55	5	HCS 6X12 4AWG(1-5/8)	1.17 - 6.17	1.0000	1.0000
L55	18	CU12PSM6P4XXX(1-3/4)	1.17 - 6.17	1.0000	1.0000
L55	34	CCI-085125 (L)	1.17 - 6.17	1.0000	1.0000
L55	35	CCI-085125 (L)	1.17 - 6.17	1.0000	1.0000
L55	36	CCI-085125 (L)	1.17 - 6.17	1.0000	1.0000
L55	37	CCI-085125 (L)	1.17 - 6.17	1.0000	1.0000
L56	2	Safety Line 3/8"	0.00 - 1.17	1.0000	1.0000
L56	3	Step Pegs	0.00 - 1.17	1.0000	1.0000
L56	5	HCS 6X12 4AWG(1-5/8)	0.00 - 1.17	1.0000	1.0000
L56	18	CU12PSM6P4XXX(1-3/4)	0.00 - 1.17	1.0000	1.0000
L56	34	CCI-085125 (L)	0.00 - 1.17	1.0000	1.0000
L56	35	CCI-085125 (L)	0.00 - 1.17	1.0000	1.0000
L56	36	CCI-085125 (L)	0.00 - 1.17	1.0000	1.0000
L56	37	CCI-085125 (L)	0.00 - 1.17	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L6	51	CCI-040075 (W)	155.00 - 155.25	Auto	0.0000
L6	52	CCI-040075 (W)	155.00 - 155.25	Auto	0.0000
L6	53	CCI-040075 (W)	155.00 - 155.25	Auto	0.0000
L7	30	CCI-045100 (L)	154.00 - 154.50	Auto	0.0000
L7	31	CCI-045100 (L)	154.00 - 154.50	Auto	0.0000
L7	32	CCI-045100 (L)	154.00 - 154.50	Auto	0.0000
L7	51	CCI-040075 (W)	154.00 - 155.00	Auto	0.0000
L7	52	CCI-040075 (W)	154.00 - 155.00	Auto	0.0000
L7	53	CCI-040075 (W)	154.00 - 155.00	Auto	0.0000
L8	30	CCI-045100 (L)	153.75 - 154.00	Auto	0.0000
L8	31	CCI-045100 (L)	153.75 - 154.00	Auto	0.0000
L8	32	CCI-045100 (L)	153.75 - 154.00	Auto	0.0000
L8	51	CCI-040075 (W)	153.75 - 154.00	Auto	0.0000
L8	52	CCI-040075 (W)	153.75 - 154.00	Auto	0.0000
L8	53	CCI-040075 (W)	153.75 - 154.00	Auto	0.0000
L9	30	CCI-045100 (L)	152.50 - 153.75	Auto	0.0000
L9	31	CCI-045100 (L)	152.50 - 153.75	Auto	0.0000
L9	32	CCI-045100 (L)	152.50 - 153.75	Auto	0.0000
L9	51	CCI-040075 (W)	152.50 - 153.75	Auto	0.0000
L9	52	CCI-040075 (W)	152.50 - 153.75	Auto	0.0000
L9	53	CCI-040075 (W)	152.50 - 153.75	Auto	0.0000
L10	30	CCI-045100 (L)	152.25 - 152.50	Auto	0.0000
L10	31	CCI-045100 (L)	152.25 - 152.50	Auto	0.0000
L10	32	CCI-045100 (L)	152.25 - 152.50	Auto	0.0000
L10	51	CCI-040075 (W)	152.25 - 152.50	Auto	0.0000
L10	52	CCI-040075 (W)	152.25 - 152.50	Auto	0.0000
L10	53	CCI-040075 (W)	152.25 - 152.50	Auto	0.0000
L11	30	CCI-045100 (L)	151.50 - 152.25	Auto	0.0000
L11	31	CCI-045100 (L)	151.50 - 152.25	Auto	0.0000
L11	32	CCI-045100 (L)	151.50 - 152.25	Auto	0.0000
L11	51	CCI-040075 (W)	151.50 - 152.25	Auto	0.0000
L11	52	CCI-040075 (W)	151.50 - 152.25	Auto	0.0000
L11	53	CCI-040075 (W)	151.50 - 152.25	Auto	0.0000
L12	30	CCI-045100 (L)	151.25 - 151.50	Auto	0.0000
L12	31	CCI-045100 (L)	151.25 - 151.50	Auto	0.0000
L12	32	CCI-045100 (L)	151.25 - 151.50	Auto	0.0000
L12	51	CCI-040075 (W)	151.25 - 151.50	Auto	0.0000
L12	52	CCI-040075 (W)	151.25 - 151.50	Auto	0.0000
L12	53	CCI-040075 (W)	151.25 - 151.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L13	30	CCI-045100 (L)	146.25 - 151.25	Auto	0.0000
L13	31	CCI-045100 (L)	146.25 - 151.25	Auto	0.0000
L13	32	CCI-045100 (L)	146.25 - 151.25	Auto	0.0000
L13	51	CCI-040075 (W)	150.25 - 151.25	Auto	0.0000
L13	52	CCI-040075 (W)	150.25 - 151.25	Auto	0.0000
L13	53	CCI-040075 (W)	150.25 - 151.25	Auto	0.0000
L14	30	CCI-045100 (L)	141.25 - 146.25	Auto	0.0000
L14	31	CCI-045100 (L)	141.25 - 146.25	Auto	0.0000
L14	32	CCI-045100 (L)	141.25 - 146.25	Auto	0.0000
L15	30	CCI-045100 (L)	136.25 - 141.25	Auto	0.0000
L15	31	CCI-045100 (L)	136.25 - 141.25	Auto	0.0000
L15	32	CCI-045100 (L)	136.25 - 141.25	Auto	0.0000
L16	30	CCI-045100 (L)	130.00 - 136.25	Auto	0.0000
L16	31	CCI-045100 (L)	130.00 - 136.25	Auto	0.0000
L16	32	CCI-045100 (L)	130.00 - 136.25	Auto	0.0000
L16	47	CCI-040075 (W)	130.00 - 132.50	Auto	0.0000
L16	48	CCI-040075 (W)	130.00 - 132.50	Auto	0.0000
L16	49	CCI-040075 (W)	130.00 - 132.50	Auto	0.0000
L17	30	CCI-045100 (L)	129.00 - 130.00	Auto	0.0000
L17	31	CCI-045100 (L)	129.00 - 130.00	Auto	0.0000
L17	32	CCI-045100 (L)	129.00 - 130.00	Auto	0.0000
L17	47	CCI-040075 (W)	129.00 - 130.00	Auto	0.0000
L17	48	CCI-040075 (W)	129.00 - 130.00	Auto	0.0000
L17	49	CCI-040075 (W)	129.00 - 130.00	Auto	0.0000
L18	30	CCI-045100 (L)	124.00 - 129.00	Auto	0.0000
L18	31	CCI-045100 (L)	124.00 - 129.00	Auto	0.0000
L18	32	CCI-045100 (L)	124.00 - 129.00	Auto	0.0000
L18	47	CCI-040075 (W)	124.00 - 129.00	Auto	0.0000
L18	48	CCI-040075 (W)	124.00 - 129.00	Auto	0.0000
L18	49	CCI-040075 (W)	124.00 - 129.00	Auto	0.0000
L19	26	CCI-060100 (L)	121.42 - 123.92	Auto	0.0000
L19	27	CCI-060100 (L)	121.42 - 123.92	Auto	0.0000
L19	28	CCI-060100 (L)	121.42 - 123.92	Auto	0.0000
L19	30	CCI-045100 (L)	121.42 - 124.00	Auto	0.0000
L19	31	CCI-045100 (L)	121.42 - 124.00	Auto	0.0000
L19	32	CCI-045100 (L)	121.42 - 124.00	Auto	0.0000
L19	47	CCI-040075 (W)	121.42 - 124.00	Auto	0.0000
L19	48	CCI-040075 (W)	121.42 - 124.00	Auto	0.0000
L19	49	CCI-040075 (W)	121.42 - 124.00	Auto	0.0000
L20	26	CCI-060100 (L)	121.17 - 121.42	Auto	0.0000
L20	27	CCI-060100 (L)	121.17 - 121.42	Auto	0.0000
L20	28	CCI-060100 (L)	121.17 - 121.42	Auto	0.0000
L20	30	CCI-045100 (L)	121.17 - 121.42	Auto	0.0000
L20	31	CCI-045100 (L)	121.17 - 121.42	Auto	0.0000
L20	32	CCI-045100 (L)	121.17 - 121.42	Auto	0.0000
L20	47	CCI-040075 (W)	121.17 - 121.42	Auto	0.0000
L20	48	CCI-040075 (W)	121.17 - 121.42	Auto	0.0000
L20	49	CCI-040075 (W)	121.17 - 121.42	Auto	0.0000
L21	26	CCI-060100 (L)	116.17 - 121.17	Auto	0.0000
L21	27	CCI-060100 (L)	116.17 - 121.17	Auto	0.0000
L21	28	CCI-060100 (L)	116.17 - 121.17	Auto	0.0000
L21	30	CCI-045100 (L)	119.50 - 121.17	Auto	0.0000
L21	31	CCI-045100 (L)	119.50 - 121.17	Auto	0.0000
L21	32	CCI-045100 (L)	119.50 - 121.17	Auto	0.0000
L21	47	CCI-040075 (W)	116.17 - 121.17	Auto	0.0000
L21	48	CCI-040075 (W)	116.17 - 121.17	Auto	0.0000
L21	49	CCI-040075 (W)	116.17 - 121.17	Auto	0.0000
L22	26	CCI-060100 (L)	115.00 - 116.17	Auto	0.0000
L22	27	CCI-060100 (L)	115.00 - 116.17	Auto	0.0000
L22	28	CCI-060100 (L)	115.00 - 116.17	Auto	0.0000
L22	47	CCI-040075 (W)	115.00 - 116.17	Auto	0.0000
L22	48	CCI-040075 (W)	115.00 - 116.17	Auto	0.0000
L22	49	CCI-040075 (W)	115.00 - 116.17	Auto	0.0000
L23	26	CCI-060100 (L)	113.75 - 115.00	Auto	0.0000
L23	27	CCI-060100 (L)	113.75 - 115.00	Auto	0.0000
L23	28	CCI-060100 (L)	113.75 - 115.00	Auto	0.0000
L23	47	CCI-040075 (W)	113.75 - 115.00	Auto	0.0000
L23	48	CCI-040075 (W)	113.75 - 115.00	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L23	49	CCI-040075 (W)	113.75 - 115.00	Auto	0.0000
L24	26	CCI-060100 (L)	113.50 - 113.75	Auto	0.0000
L24	27	CCI-060100 (L)	113.50 - 113.75	Auto	0.0000
L24	28	CCI-060100 (L)	113.50 - 113.75	Auto	0.0000
L24	47	CCI-040075 (W)	113.50 - 113.75	Auto	0.0000
L24	48	CCI-040075 (W)	113.50 - 113.75	Auto	0.0000
L24	49	CCI-040075 (W)	113.50 - 113.75	Auto	0.0000
L25	26	CCI-060100 (L)	108.50 - 113.50	Auto	0.0000
L25	27	CCI-060100 (L)	108.50 - 113.50	Auto	0.0000
L25	28	CCI-060100 (L)	108.50 - 113.50	Auto	0.0000
L25	47	CCI-040075 (W)	112.50 - 113.50	Auto	0.0000
L25	48	CCI-040075 (W)	112.50 - 113.50	Auto	0.0000
L25	49	CCI-040075 (W)	112.50 - 113.50	Auto	0.0000
L26	26	CCI-060100 (L)	103.50 - 108.50	Auto	0.0000
L26	27	CCI-060100 (L)	103.50 - 108.50	Auto	0.0000
L26	28	CCI-060100 (L)	103.50 - 108.50	Auto	0.0000
L27	26	CCI-060100 (L)	95.00 - 103.50	Auto	0.0000
L27	27	CCI-060100 (L)	95.00 - 103.50	Auto	0.0000
L27	28	CCI-060100 (L)	95.00 - 103.50	Auto	0.0000
L27	43	CCI-060100 (L)	95.00 - 101.67	Auto	0.0000
L27	44	CCI-060100 (L)	95.00 - 101.67	Auto	0.0000
L27	45	CCI-060100 (L)	95.00 - 101.67	Auto	0.0000
L28	26	CCI-060100 (L)	94.00 - 95.00	Auto	0.0000
L28	27	CCI-060100 (L)	94.00 - 95.00	Auto	0.0000
L28	28	CCI-060100 (L)	94.00 - 95.00	Auto	0.0000
L28	43	CCI-060100 (L)	94.00 - 95.00	Auto	0.0000
L28	44	CCI-060100 (L)	94.00 - 95.00	Auto	0.0000
L28	45	CCI-060100 (L)	94.00 - 95.00	Auto	0.0000
L29	26	CCI-060100 (L)	91.40 - 94.00	Auto	0.0000
L29	27	CCI-060100 (L)	91.40 - 94.00	Auto	0.0000
L29	28	CCI-060100 (L)	91.40 - 94.00	Auto	0.0000
L29	43	CCI-060100 (L)	91.40 - 94.00	Auto	0.0000
L29	44	CCI-060100 (L)	91.40 - 94.00	Auto	0.0000
L29	45	CCI-060100 (L)	91.40 - 94.00	Auto	0.0000
L30	26	CCI-060100 (L)	91.15 - 91.40	Auto	0.0000
L30	27	CCI-060100 (L)	91.15 - 91.40	Auto	0.0000
L30	28	CCI-060100 (L)	91.15 - 91.40	Auto	0.0000
L30	43	CCI-060100 (L)	91.15 - 91.40	Auto	0.0000
L30	44	CCI-060100 (L)	91.15 - 91.40	Auto	0.0000
L30	45	CCI-060100 (L)	91.15 - 91.40	Auto	0.0000
L31	26	CCI-060100 (L)	91.00 - 91.15	Auto	0.0000
L31	27	CCI-060100 (L)	91.00 - 91.15	Auto	0.0000
L31	28	CCI-060100 (L)	91.00 - 91.15	Auto	0.0000
L31	43	CCI-060100 (L)	91.00 - 91.15	Auto	0.0000
L31	44	CCI-060100 (L)	91.00 - 91.15	Auto	0.0000
L31	45	CCI-060100 (L)	91.00 - 91.15	Auto	0.0000
L32	26	CCI-060100 (L)	88.89 - 91.00	Auto	0.0000
L32	27	CCI-060100 (L)	88.89 - 91.00	Auto	0.0000
L32	28	CCI-060100 (L)	88.89 - 91.00	Auto	0.0000
L32	43	CCI-060100 (L)	86.00 - 91.00	Auto	0.0000
L32	44	CCI-060100 (L)	86.00 - 91.00	Auto	0.0000
L32	45	CCI-060100 (L)	86.00 - 91.00	Auto	0.0000
L33	43	CCI-060100 (L)	81.00 - 86.00	Auto	0.0000
L33	44	CCI-060100 (L)	81.00 - 86.00	Auto	0.0000
L33	45	CCI-060100 (L)	81.00 - 86.00	Auto	0.0000
L34	43	CCI-060100 (L)	76.00 - 81.00	Auto	0.0000
L34	44	CCI-060100 (L)	76.00 - 81.00	Auto	0.0000
L34	45	CCI-060100 (L)	76.00 - 81.00	Auto	0.0000
L35	43	CCI-060100 (L)	71.00 - 76.00	Auto	0.0000
L35	44	CCI-060100 (L)	71.00 - 76.00	Auto	0.0000
L35	45	CCI-060100 (L)	71.00 - 76.00	Auto	0.0000
L36	43	CCI-060100 (L)	66.00 - 71.00	Auto	0.0000
L36	44	CCI-060100 (L)	66.00 - 71.00	Auto	0.0000
L36	45	CCI-060100 (L)	66.00 - 71.00	Auto	0.0000
L37	39	CCI-060100 (L)	63.75 - 65.50	Auto	0.0000
L37	40	CCI-060100 (L)	63.75 - 65.50	Auto	0.0000
L37	41	CCI-060100 (L)	63.75 - 65.50	Auto	0.0000
L37	43	CCI-060100 (L)	63.75 - 66.00	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L37	44	CCI-060100 (L)	63.75 - 66.00	Auto	0.0000
L37	45	CCI-060100 (L)	63.75 - 66.00	Auto	0.0000
L38	39	CCI-060100 (L)	63.50 - 63.75	Auto	0.0000
L38	40	CCI-060100 (L)	63.50 - 63.75	Auto	0.0000
L38	41	CCI-060100 (L)	63.50 - 63.75	Auto	0.0000
L38	43	CCI-060100 (L)	63.50 - 63.75	Auto	0.0000
L38	44	CCI-060100 (L)	63.50 - 63.75	Auto	0.0000
L38	45	CCI-060100 (L)	63.50 - 63.75	Auto	0.0000
L39	39	CCI-060100 (L)	58.50 - 63.50	Auto	0.0000
L39	40	CCI-060100 (L)	58.50 - 63.50	Auto	0.0000
L39	41	CCI-060100 (L)	58.50 - 63.50	Auto	0.0000
L39	43	CCI-060100 (L)	61.67 - 63.50	Auto	0.0000
L39	44	CCI-060100 (L)	61.67 - 63.50	Auto	0.0000
L39	45	CCI-060100 (L)	61.67 - 63.50	Auto	0.0000
L40	22	CCI-045100 (L)	51.00 - 53.92	Auto	0.0000
L40	23	CCI-045100 (L)	51.00 - 53.92	Auto	0.0000
L40	24	CCI-045100 (L)	51.00 - 53.92	Auto	0.0000
L40	39	CCI-060100 (L)	51.00 - 58.50	Auto	0.0000
L40	40	CCI-060100 (L)	51.00 - 58.50	Auto	0.0000
L40	41	CCI-060100 (L)	51.00 - 58.50	Auto	0.0000
L41	22	CCI-045100 (L)	50.00 - 51.00	Auto	0.0000
L41	23	CCI-045100 (L)	50.00 - 51.00	Auto	0.0000
L41	24	CCI-045100 (L)	50.00 - 51.00	Auto	0.0000
L41	39	CCI-060100 (L)	50.00 - 51.00	Auto	0.0000
L41	40	CCI-060100 (L)	50.00 - 51.00	Auto	0.0000
L41	41	CCI-060100 (L)	50.00 - 51.00	Auto	0.0000
L42	22	CCI-045100 (L)	45.00 - 50.00	Auto	0.0000
L42	23	CCI-045100 (L)	45.00 - 50.00	Auto	0.0000
L42	24	CCI-045100 (L)	45.00 - 50.00	Auto	0.0000
L42	39	CCI-060100 (L)	45.00 - 50.00	Auto	0.0000
L42	40	CCI-060100 (L)	45.00 - 50.00	Auto	0.0000
L42	41	CCI-060100 (L)	45.00 - 50.00	Auto	0.0000
L43	22	CCI-045100 (L)	40.42 - 45.00	Auto	0.0000
L43	23	CCI-045100 (L)	40.42 - 45.00	Auto	0.0000
L43	24	CCI-045100 (L)	40.42 - 45.00	Auto	0.0000
L43	39	CCI-060100 (L)	40.42 - 45.00	Auto	0.0000
L43	40	CCI-060100 (L)	40.42 - 45.00	Auto	0.0000
L43	41	CCI-060100 (L)	40.42 - 45.00	Auto	0.0000
L44	22	CCI-045100 (L)	40.17 - 40.42	Auto	0.0000
L44	23	CCI-045100 (L)	40.17 - 40.42	Auto	0.0000
L44	24	CCI-045100 (L)	40.17 - 40.42	Auto	0.0000
L44	39	CCI-060100 (L)	40.17 - 40.42	Auto	0.0000
L44	40	CCI-060100 (L)	40.17 - 40.42	Auto	0.0000
L44	41	CCI-060100 (L)	40.17 - 40.42	Auto	0.0000
L45	22	CCI-045100 (L)	40.00 - 40.17	Auto	0.0000
L45	23	CCI-045100 (L)	40.00 - 40.17	Auto	0.0000
L45	24	CCI-045100 (L)	40.00 - 40.17	Auto	0.0000
L45	39	CCI-060100 (L)	40.00 - 40.17	Auto	0.0000
L45	40	CCI-060100 (L)	40.00 - 40.17	Auto	0.0000
L45	41	CCI-060100 (L)	40.00 - 40.17	Auto	0.0000
L46	22	CCI-045100 (L)	38.92 - 40.00	Auto	0.0000
L46	23	CCI-045100 (L)	38.92 - 40.00	Auto	0.0000
L46	24	CCI-045100 (L)	38.92 - 40.00	Auto	0.0000
L46	34	CCI-085125 (L)	35.00 - 37.42	Auto	0.0000
L46	35	CCI-085125 (L)	35.00 - 37.42	Auto	0.0000
L46	36	CCI-085125 (L)	35.00 - 37.42	Auto	0.0000
L46	37	CCI-085125 (L)	35.00 - 37.42	Auto	0.0000
L46	39	CCI-060100 (L)	35.00 - 40.00	Auto	0.0000
L46	40	CCI-060100 (L)	35.00 - 40.00	Auto	0.0000
L46	41	CCI-060100 (L)	35.00 - 40.00	Auto	0.0000
L47	34	CCI-085125 (L)	33.00 - 35.00	Auto	0.0000
L47	35	CCI-085125 (L)	33.00 - 35.00	Auto	0.0000
L47	36	CCI-085125 (L)	33.00 - 35.00	Auto	0.0000
L47	37	CCI-085125 (L)	33.00 - 35.00	Auto	0.0000
L47	39	CCI-060100 (L)	33.00 - 35.00	Auto	0.0000
L47	40	CCI-060100 (L)	33.00 - 35.00	Auto	0.0000
L47	41	CCI-060100 (L)	33.00 - 35.00	Auto	0.0000
L48	34	CCI-085125 (L)	32.75 - 33.00	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L48	35	CCI-085125 (L)	32.75 - 33.00	Auto	0.0000
L48	36	CCI-085125 (L)	32.75 - 33.00	Auto	0.0000
L48	37	CCI-085125 (L)	32.75 - 33.00	Auto	0.0000
L48	39	CCI-060100 (L)	32.75 - 33.00	Auto	0.0000
L48	40	CCI-060100 (L)	32.75 - 33.00	Auto	0.0000
L48	41	CCI-060100 (L)	32.75 - 33.00	Auto	0.0000
L49	34	CCI-085125 (L)	19.00 - 32.75	Auto	0.0000
L49	35	CCI-085125 (L)	19.00 - 32.75	Auto	0.0000
L49	36	CCI-085125 (L)	19.00 - 32.75	Auto	0.0000
L49	37	CCI-085125 (L)	19.00 - 32.75	Auto	0.0000
L49	39	CCI-060100 (L)	30.50 - 32.75	Auto	0.0000
L49	40	CCI-060100 (L)	30.50 - 32.75	Auto	0.0000
L49	41	CCI-060100 (L)	30.50 - 32.75	Auto	0.0000
L50	34	CCI-085125 (L)	18.00 - 19.00	Auto	0.0000
L50	35	CCI-085125 (L)	18.00 - 19.00	Auto	0.0000
L50	36	CCI-085125 (L)	18.00 - 19.00	Auto	0.0000
L50	37	CCI-085125 (L)	18.00 - 19.00	Auto	0.0000
L51	34	CCI-085125 (L)	13.00 - 18.00	Auto	0.0000
L51	35	CCI-085125 (L)	13.00 - 18.00	Auto	0.0000
L51	36	CCI-085125 (L)	13.00 - 18.00	Auto	0.0000
L51	37	CCI-085125 (L)	13.00 - 18.00	Auto	0.0000
L52	34	CCI-085125 (L)	8.00 - 13.00	Auto	0.0000
L52	35	CCI-085125 (L)	8.00 - 13.00	Auto	0.0000
L52	36	CCI-085125 (L)	8.00 - 13.00	Auto	0.0000
L52	37	CCI-085125 (L)	8.00 - 13.00	Auto	0.0000
L53	34	CCI-085125 (L)	6.42 - 8.00	Auto	0.0000
L53	35	CCI-085125 (L)	6.42 - 8.00	Auto	0.0000
L53	36	CCI-085125 (L)	6.42 - 8.00	Auto	0.0000
L53	37	CCI-085125 (L)	6.42 - 8.00	Auto	0.0000
L54	34	CCI-085125 (L)	6.17 - 6.42	Auto	0.0000
L54	35	CCI-085125 (L)	6.17 - 6.42	Auto	0.0000
L54	36	CCI-085125 (L)	6.17 - 6.42	Auto	0.0000
L54	37	CCI-085125 (L)	6.17 - 6.42	Auto	0.0000
L55	34	CCI-085125 (L)	1.17 - 6.17	Auto	0.0000
L55	35	CCI-085125 (L)	1.17 - 6.17	Auto	0.0000
L55	36	CCI-085125 (L)	1.17 - 6.17	Auto	0.0000
L55	37	CCI-085125 (L)	1.17 - 6.17	Auto	0.0000
L56	34	CCI-085125 (L)	0.00 - 1.17	Auto	0.0000
L56	35	CCI-085125 (L)	0.00 - 1.17	Auto	0.0000
L56	36	CCI-085125 (L)	0.00 - 1.17	Auto	0.0000
L56	37	CCI-085125 (L)	0.00 - 1.17	Auto	0.0000

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
***									
3' x 2" Pipe Mount	A	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	0.58 0.77 0.97	0.58 0.77 0.97	0.01 0.02 0.02
3' x 2" Pipe Mount	B	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	0.58 0.77 0.97	0.58 0.77 0.97	0.01 0.02 0.02
3' x 2" Pipe Mount	C	From Leg	3.00 0.00 0.00	0.0000	186.00	No Ice 1/2" Ice 1" Ice	0.58 0.77 0.97	0.58 0.77 0.97	0.01 0.02 0.02
Side Arm Mount [SO 701-3]	A	None		0.0000	186.00	No Ice	3.02	3.02	0.20

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
						1/2" Ice	4.18 5.33	4.18 5.33	0.24 0.28
						1" Ice			
******									
AIR6449 B41_T-MOBILE	A	From Leg	4.00 0.00 -1.00	0.0000	184.00	No Ice 1/2" Ice 1" Ice	5.27 5.70 6.14	2.03 2.36 2.70	0.11 0.15 0.20
AIR6449 B41_T-MOBILE	B	From Leg	4.00 0.00 0.00	0.0000	184.00	No Ice 1/2" Ice 1" Ice	5.27 5.70 6.14	2.03 2.36 2.70	0.11 0.15 0.20
AIR6449 B41_T-MOBILE	C	From Leg	4.00 0.00 0.00	0.0000	184.00	No Ice 1/2" Ice 1" Ice	5.27 5.70 6.14	2.03 2.36 2.70	0.11 0.15 0.20
APXVAARR24_43-U-NA20	A	From Leg	4.00 0.00 0.00	0.0000	184.00	No Ice 1/2" Ice 1" Ice	14.67 15.43 16.21	5.32 5.99 6.68	0.15 0.27 0.39
APXVAARR24_43-U-NA20	B	From Leg	4.00 0.00 0.00	0.0000	184.00	No Ice 1/2" Ice 1" Ice	14.67 15.43 16.21	5.32 5.99 6.68	0.15 0.27 0.39
APXVAARR24_43-U-NA20	C	From Leg	4.00 0.00 0.00	0.0000	184.00	No Ice 1/2" Ice 1" Ice	14.67 15.43 16.21	5.32 5.99 6.68	0.15 0.27 0.39
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00 0.00 0.00	0.0000	184.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.59 1.75 1.92	0.07 0.09 0.12
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00 0.00 0.00	0.0000	184.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.59 1.75 1.92	0.07 0.09 0.12
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00 0.00 0.00	0.0000	184.00	No Ice 1/2" Ice 1" Ice	1.97 2.15 2.33	1.59 1.75 1.92	0.07 0.09 0.12
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.00 0.00 0.00	0.0000	184.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.00 0.00 0.00	0.0000	184.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.00 0.00 0.00	0.0000	184.00	No Ice 1/2" Ice 1" Ice	2.14 2.32 2.51	1.69 1.85 2.02	0.11 0.13 0.16
Site Pro 1 RMQP-496-HK	A	None		0.0000	184.00	No Ice 1/2" Ice 1" Ice	38.42 50.04 61.66	38.42 50.04 61.66	2.45 3.19 3.93
******									
DMP65R-BU6D	A	From Leg	4.00 0.00 3.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	11.93 12.68 13.45	4.48 5.12 5.78	0.09 0.16 0.24
DMP65R-BU6D	B	From Leg	4.00 0.00 3.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	11.93 12.68 13.45	4.48 5.12 5.78	0.09 0.16 0.24

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
DMP65R-BU6D	C	From Leg	4.00 0.00 3.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	11.93 12.68 13.45	4.48 5.12 5.78	0.09 0.16 0.24
RRUS-32 B30	A	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	3.31 3.56 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS-32 B30	B	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	3.31 3.56 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS-32 B30	C	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	3.31 3.56 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS 4478 B14_CCIV2	A	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	2.02 2.20 2.39	1.25 1.40 1.55	0.06 0.08 0.10
RRUS 4478 B14_CCIV2	B	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	2.02 2.20 2.39	1.25 1.40 1.55	0.06 0.08 0.10
RRUS 4478 B14_CCIV2	C	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	2.02 2.20 2.39	1.25 1.40 1.55	0.06 0.08 0.10
RRUS 4449 B5/B12	A	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	1.97 2.14 2.33	1.41 1.56 1.73	0.07 0.09 0.11
RRUS 4449 B5/B12	B	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	1.97 2.14 2.33	1.41 1.56 1.73	0.07 0.09 0.11
RRUS 4449 B5/B12	C	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	1.97 2.14 2.33	1.41 1.56 1.73	0.07 0.09 0.11
DC6-48-60-18-8F	A	From Leg	1.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	0.92 1.46 1.64	0.92 1.46 1.64	0.02 0.04 0.06
DC6-48-60-18-8F	B	From Leg	1.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	0.92 1.46 1.64	0.92 1.46 1.64	0.02 0.04 0.06
DC9-48-60-24-8C-EV	C	From Leg	1.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	2.74 2.96 3.20	4.78 5.06 5.35	0.03 0.06 0.10
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AIR 6419 B77G	A	From Leg	4.00 0.00 5.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	4.64 5.11 5.59	1.87 2.23 2.62	0.07 0.09 0.12
AIR 6419 B77G	B	From Leg	4.00 0.00 5.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	4.64 5.11 5.59	1.87 2.23 2.62	0.07 0.09 0.12
AIR 6419 B77G	C	From Leg	4.00 0.00 5.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	4.64 5.11 5.59	1.87 2.23 2.62	0.07 0.09 0.12

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
AIR 6449 B77D	A	From Leg	4.00 0.00 1.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	3.64 4.00 4.37	1.72 2.02 2.33	0.08 0.11 0.14
AIR 6449 B77D	B	From Leg	4.00 0.00 1.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	3.64 4.00 4.37	1.72 2.02 2.33	0.08 0.11 0.14
AIR 6449 B77D	C	From Leg	4.00 0.00 1.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	3.64 4.00 4.37	1.72 2.02 2.33	0.08 0.11 0.14
QD6616-7	A	From Leg	4.00 0.00 3.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	13.59 14.40 15.24	5.92 6.63 7.36	0.13 0.21 0.30
QD6616-7	B	From Leg	4.00 0.00 3.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	13.59 14.40 15.24	5.92 6.63 7.36	0.13 0.21 0.30
QD6616-7	C	From Leg	4.00 0.00 3.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	13.59 14.40 15.24	5.92 6.63 7.36	0.13 0.21 0.30
RRUS 32 B66A	A	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	2.86 3.09 3.32	1.78 1.97 2.17	0.06 0.08 0.10
RRUS 32 B66A	B	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	2.86 3.09 3.32	1.78 1.97 2.17	0.06 0.08 0.10
RRUS 32 B66A	C	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	2.86 3.09 3.32	1.78 1.97 2.17	0.06 0.08 0.10
RRUS 4415 B25_CCIV2	A	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	0.82 0.94 1.07	0.05 0.06 0.08
RRUS 4415 B25_CCIV2	B	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	0.82 0.94 1.07	0.05 0.06 0.08
RRUS 4415 B25_CCIV2	C	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	1.84 2.01 2.19	0.82 0.94 1.07	0.05 0.06 0.08
RRUS E2 B29	A	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	3.15 3.36 3.59	1.29 1.44 1.60	0.06 0.08 0.11
RRUS E2 B29	B	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	3.15 3.36 3.59	1.29 1.44 1.60	0.06 0.08 0.11
RRUS E2 B29	C	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	3.15 3.36 3.59	1.29 1.44 1.60	0.06 0.08 0.11
(2) 6' x 2" Mount Pipe	A	From Leg	2.00 0.00 0.00	0.0000	171.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
(2) 6' x 2" Mount Pipe	B	From Leg	2.00	0.0000	171.00	No Ice	1.43	1.43	0.02

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00				1/2" Ice	1.92	1.92	0.03
			0.00				1" Ice	2.29	2.29	0.05
(2) 6' x 2" Mount Pipe	C	From Leg	2.00		0.0000	171.00	No Ice	1.43	1.43	0.02
			0.00				1/2" Ice	1.92	1.92	0.03
			0.00				1" Ice	2.29	2.29	0.05
Site Pro 1 VFA14-WLL-30120	A	From Leg	2.00		0.0000	171.00	No Ice	28.80	12.10	1.14
			0.00				1/2" Ice	42.80	18.50	1.29
			0.00				1" Ice	55.40	24.46	1.52
Site Pro 1 VFA14-WLL-30120	B	From Leg	2.00		0.0000	171.00	No Ice	28.80	12.10	1.14
			0.00				1/2" Ice	42.80	18.50	1.29
			0.00				1" Ice	55.40	24.46	1.52
Site Pro 1 VFA14-WLL-30120	C	From Leg	2.00		0.0000	171.00	No Ice	28.80	12.10	1.14
			0.00				1/2" Ice	42.80	18.50	1.29
			0.00				1" Ice	55.40	24.46	1.52
Sabre C10899050	A	None			0.0000	171.00	No Ice	6.67	6.67	0.68
							1/2" Ice	7.70	7.70	0.88
							1" Ice	8.74	8.74	1.08
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MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00		0.0000	163.00	No Ice	8.01	4.23	0.11
			0.00				1/2" Ice	8.52	4.69	0.19
			1.00				1" Ice	9.04	5.16	0.29
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.00		0.0000	163.00	No Ice	8.01	4.23	0.11
			0.00				1/2" Ice	8.52	4.69	0.19
			1.00				1" Ice	9.04	5.16	0.29
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.00		0.0000	163.00	No Ice	8.01	4.23	0.11
			0.00				1/2" Ice	8.52	4.69	0.19
			1.00				1" Ice	9.04	5.16	0.29
TA08025-B604	A	From Leg	4.00		0.0000	163.00	No Ice	1.96	0.98	0.06
			0.00				1/2" Ice	2.14	1.11	0.08
			1.00				1" Ice	2.32	1.25	0.10
TA08025-B604	B	From Leg	4.00		0.0000	163.00	No Ice	1.96	0.98	0.06
			0.00				1/2" Ice	2.14	1.11	0.08
			1.00				1" Ice	2.32	1.25	0.10
TA08025-B604	C	From Leg	4.00		0.0000	163.00	No Ice	1.96	0.98	0.06
			0.00				1/2" Ice	2.14	1.11	0.08
			1.00				1" Ice	2.32	1.25	0.10
TA08025-B605	A	From Leg	4.00		0.0000	163.00	No Ice	1.96	1.13	0.08
			0.00				1/2" Ice	2.14	1.27	0.09
			1.00				1" Ice	2.32	1.41	0.11
TA08025-B605	B	From Leg	4.00		0.0000	163.00	No Ice	1.96	1.13	0.08
			0.00				1/2" Ice	2.14	1.27	0.09
			1.00				1" Ice	2.32	1.41	0.11
TA08025-B605	C	From Leg	4.00		0.0000	163.00	No Ice	1.96	1.13	0.08
			0.00				1/2" Ice	2.14	1.27	0.09
			1.00				1" Ice	2.32	1.41	0.11
RDIDC-9181-PF-48	A	From Leg	4.00		0.0000	163.00	No Ice	2.01	1.17	0.02
			0.00				1/2" Ice	2.19	1.31	0.04
			1.00				1" Ice	2.37	1.46	0.06
(2) 8' x 2" Mount Pipe	A	From Leg	4.00		0.0000	163.00	No Ice	1.90	1.90	0.03

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
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
						1" Ice			
(2) 8' x 2" Mount Pipe	B	From Leg	4.00	0.0000	163.00	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			
(2) 8' x 2" Mount Pipe	C	From Leg	4.00	0.0000	163.00	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			
Commscope MC-K6MHDX-9-96 (3)	A	None		0.0000	163.00	No Ice	15.30	15.30	1.19
						1/2"	20.48	20.48	1.71
						Ice	25.66	25.66	2.22
						1" Ice			
******									
SBNHH-1D65B w/ Mount Pipe	A	From Leg	4.00	0.0000	155.00	No Ice	4.09	3.30	0.07
			0.00			1/2"	4.49	3.68	0.13
			1.00			Ice	4.89	4.07	0.20
						1" Ice			
SBNHH-1D65B w/ Mount Pipe	B	From Leg	4.00	0.0000	155.00	No Ice	4.09	3.30	0.07
			0.00			1/2"	4.49	3.68	0.13
			1.00			Ice	4.89	4.07	0.20
						1" Ice			
SBNHH-1D65B w/ Mount Pipe	C	From Leg	4.00	0.0000	155.00	No Ice	4.09	3.30	0.07
			0.00			1/2"	4.49	3.68	0.13
			1.00			Ice	4.89	4.07	0.20
						1" Ice			
(2) SBNHH-1D65B	A	From Leg	4.00	0.0000	155.00	No Ice	4.16	2.49	0.04
			0.00			1/2"	4.57	2.88	0.09
			1.00			Ice	4.99	3.27	0.15
						1" Ice			
(2) SBNHH-1D65B	B	From Leg	4.00	0.0000	155.00	No Ice	4.16	2.49	0.04
			0.00			1/2"	4.57	2.88	0.09
			1.00			Ice	4.99	3.27	0.15
						1" Ice			
(2) SBNHH-1D65B	C	From Leg	4.00	0.0000	155.00	No Ice	4.16	2.49	0.04
			0.00			1/2"	4.57	2.88	0.09
			1.00			Ice	4.99	3.27	0.15
						1" Ice			
MT6407-77A	A	From Leg	4.00	0.0000	155.00	No Ice	6.74	2.34	0.08
			0.00			1/2"	7.36	2.83	0.11
			1.00			Ice	8.00	3.35	0.14
						1" Ice			
MT6407-77A	B	From Leg	4.00	0.0000	155.00	No Ice	6.74	2.34	0.08
			0.00			1/2"	7.36	2.83	0.11
			1.00			Ice	8.00	3.35	0.14
						1" Ice			
MT6407-77A	C	From Leg	4.00	0.0000	155.00	No Ice	6.74	2.34	0.08
			0.00			1/2"	7.36	2.83	0.11
			1.00			Ice	8.00	3.35	0.14
						1" Ice			
RF4439D-25A	A	From Leg	4.00	0.0000	155.00	No Ice	1.87	1.25	0.07
			0.00			1/2"	2.03	1.39	0.09
			3.00			Ice	2.21	1.54	0.11
						1" Ice			
RF4439D-25A	B	From Leg	4.00	0.0000	155.00	No Ice	1.87	1.25	0.07
			0.00			1/2"	2.03	1.39	0.09
			3.00			Ice	2.21	1.54	0.11
						1" Ice			
RF4439D-25A	C	From Leg	4.00	0.0000	155.00	No Ice	1.87	1.25	0.07
			0.00			1/2"	2.03	1.39	0.09
			3.00			Ice	2.21	1.54	0.11
						1" Ice			
RF4440D-13A	A	From Leg	4.00	0.0000	155.00	No Ice	1.87	1.13	0.07

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00				1/2" Ice	2.03	1.27	0.09
			3.00				1" Ice	2.21	1.41	0.11
RF4440D-13A	B	From Leg	4.00		0.0000	155.00	No Ice	1.87	1.13	0.07
			0.00				1/2" Ice	2.03	1.27	0.09
			3.00				1" Ice	2.21	1.41	0.11
RF4440D-13A	C	From Leg	4.00		0.0000	155.00	No Ice	1.87	1.13	0.07
			0.00				1/2" Ice	2.03	1.27	0.09
			3.00				1" Ice	2.21	1.41	0.11
RVZDC-6627-PF-48_CCIV2	C	From Leg	4.00		0.0000	155.00	No Ice	4.06	3.10	0.03
			0.00				1/2" Ice	4.32	3.34	0.07
			3.00				1" Ice	4.58	3.58	0.11
Commscope BSAMNT-SBS-1-2	A	From Leg	4.00		0.0000	155.00	No Ice	1.32	1.32	0.07
			0.00				1/2" Ice	1.58	1.58	0.08
			0.00				1" Ice	1.84	1.84	0.09
Commscope BSAMNT-SBS-1-2	B	From Leg	4.00		0.0000	155.00	No Ice	1.32	1.32	0.07
			0.00				1/2" Ice	1.58	1.58	0.08
			0.00				1" Ice	1.84	1.84	0.09
Commscope BSAMNT-SBS-1-2	C	From Leg	4.00		0.0000	155.00	No Ice	1.32	1.32	0.07
			0.00				1/2" Ice	1.58	1.58	0.08
			0.00				1" Ice	1.84	1.84	0.09
4' x 2" Pipe Mount	A	From Leg	1.00		0.0000	155.00	No Ice	0.79	0.79	0.03
			0.00				1/2" Ice	1.03	1.03	0.04
			0.00				1" Ice	1.28	1.28	0.04
4' x 2" Pipe Mount	B	From Leg	1.00		0.0000	155.00	No Ice	0.79	0.79	0.03
			0.00				1/2" Ice	1.03	1.03	0.04
			0.00				1" Ice	1.28	1.28	0.04
(3) 8' x 2" Mount Pipe	A	From Leg	4.00		0.0000	155.00	No Ice	1.90	1.90	0.03
			0.00				1/2" Ice	2.73	2.73	0.04
			0.00				1" Ice	3.40	3.40	0.06
(3) 8' x 2" Mount Pipe	B	From Leg	4.00		0.0000	155.00	No Ice	1.90	1.90	0.03
			0.00				1/2" Ice	2.73	2.73	0.04
			0.00				1" Ice	3.40	3.40	0.06
(3) 8' x 2" Mount Pipe	C	From Leg	4.00		0.0000	155.00	No Ice	1.90	1.90	0.03
			0.00				1/2" Ice	2.73	2.73	0.04
			0.00				1" Ice	3.40	3.40	0.06
Platform Mount [LP 403-1]	A	None			0.0000	155.00	No Ice	18.94	18.94	1.50
							1/2" Ice	23.31	23.31	1.90
							1" Ice	27.74	27.74	2.37
***										
(2) BSF0020F3V1	B	From Leg	4.00		0.0000	155.00	No Ice	0.96	0.29	0.02
			0.00				1/2" Ice	1.09	0.36	0.02
			1.00				1" Ice	1.22	0.45	0.03
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Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
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
L1	185 - 180	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-8.10	-0.00	-0.07
			Max. Mx	8	-4.64	-20.80	0.11
			Max. My	14	-4.64	0.00	-20.70
			Max. Vy	8	5.25	-20.80	0.11
			Max. Vx	14	5.25	0.00	-20.70
			Max. Torque	21			2.00
L2	180 - 175	Pole	Max Tension	1	0.00	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	26	-8.62	-0.00	-0.15
			Max. Mx	8	-4.97	-48.07	0.04
			Max. My	14	-4.96	0.00	-48.01
			Max. Vy	8	5.67	-48.07	0.04
			Max. Vx	14	5.67	0.00	-48.01
			Max. Torque	21			2.00
L3	175 - 170	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-21.00	0.08	-0.29
			Max. Mx	20	-12.50	95.01	0.35
			Max. My	14	-12.49	0.00	-95.03
			Max. Vy	8	14.51	-94.97	0.35
			Max. Vx	14	14.55	0.00	-95.03
			Max. Torque	21			7.03
L4	170 - 165	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-21.68	0.08	-0.38
			Max. Mx	20	-12.99	168.67	0.23
			Max. My	14	-12.98	0.01	-168.96
			Max. Vy	8	14.97	-168.63	0.23
			Max. Vx	14	15.01	0.01	-168.96
			Max. Torque	21			7.03
L5	165 - 160	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-27.01	0.06	-0.15
			Max. Mx	20	-15.90	253.69	0.29
			Max. My	14	-15.89	-0.00	-254.27
			Max. Vy	8	18.06	-253.67	0.29
			Max. Vx	14	18.14	-0.00	-254.27
			Max. Torque	4			8.06
L6	160 - 155	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-27.80	0.03	-0.24
			Max. Mx	8	-16.50	-345.19	0.19
			Max. My	14	-16.49	-0.01	-346.21
			Max. Vy	8	18.56	-345.19	0.19
			Max. Vx	14	18.63	-0.01	-346.21
			Max. Torque	4			8.06
L7	155 - 154	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.70	0.11	-0.68
			Max. Mx	8	-20.16	-371.91	0.14
			Max. My	14	-20.15	-0.16	-372.94
			Max. Vy	8	23.20	-371.91	0.14
			Max. Vx	14	23.23	-0.16	-372.94
			Max. Torque	4			9.83
L8	154 - 153.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.76	0.11	-0.69
			Max. Mx	8	-20.21	-377.71	0.14
			Max. My	14	-20.20	-0.16	-378.75
			Max. Vy	8	23.22	-377.71	0.14
			Max. Vx	14	23.25	-0.16	-378.75
			Max. Torque	5			9.82
L9	153.75 - 152.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.05	0.10	-0.71
			Max. Mx	8	-20.40	-406.82	0.11
			Max. My	14	-20.40	-0.17	-407.91
			Max. Vy	8	23.36	-406.82	0.11
			Max. Vx	14	23.39	-0.17	-407.91
			Max. Torque	5			9.82
L10	152.5 - 152.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.12	0.10	-0.72
			Max. Mx	8	-20.47	-412.66	0.10
			Max. My	14	-20.46	-0.17	-413.76
			Max. Vy	8	23.38	-412.66	0.10
			Max. Vx	14	23.41	-0.17	-413.76
			Max. Torque	5			9.82
L11	152.25 - 151.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.34	0.09	-0.73
			Max. Mx	8	-20.63	-430.23	0.09
			Max. My	14	-20.62	-0.17	-431.35
			Max. Vy	8	23.47	-430.23	0.09
			Max. Vx	14	23.50	-0.17	-431.35
			Max. Torque	5			9.82

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L12	151.5 - 151.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.41	0.09	-0.74
			Max. Mx	8	-20.67	-436.10	0.08
			Max. My	14	-20.67	-0.17	-437.23
			Max. Vy	8	23.49	-436.10	0.08
			Max. Vx	14	23.53	-0.17	-437.23
			Max. Torque	5			9.82
L13	151.25 - 146.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-36.64	0.06	-0.83
			Max. Mx	8	-21.59	-554.97	-0.02
			Max. My	14	-21.59	-0.19	-556.30
			Max. Vy	8	24.06	-554.97	-0.02
			Max. Vx	14	24.10	-0.19	-556.30
			Max. Torque	5			9.82
L14	146.25 - 141.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.89	0.02	-0.93
			Max. Mx	8	-22.56	-676.71	-0.12
			Max. My	14	-22.55	-0.20	-678.23
			Max. Vy	8	24.65	-676.71	-0.12
			Max. Vx	14	24.68	-0.20	-678.23
			Max. Torque	5			9.81
L15	141.25 - 136.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.18	-0.02	-1.04
			Max. Mx	8	-23.55	-801.41	-0.21
			Max. My	14	-23.55	-0.22	-803.13
			Max. Vy	8	25.25	-801.41	-0.21
			Max. Vx	14	25.28	-0.22	-803.13
			Max. Torque	5			9.81
L16	136.25 - 130	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.52	-0.03	-1.07
			Max. Mx	8	-23.81	-833.07	-0.23
			Max. My	14	-23.80	-0.23	-834.83
			Max. Vy	8	25.41	-833.07	-0.23
			Max. Vx	14	25.44	-0.23	-834.83
			Max. Torque	5			9.81
L17	130 - 129	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.41	-0.08	-1.20
			Max. Mx	8	-26.03	-988.09	-0.35
			Max. My	14	-26.03	-0.25	-990.09
			Max. Vy	8	26.27	-988.09	-0.35
			Max. Vx	14	26.30	-0.25	-990.09
			Max. Torque	5			9.81
L18	129 - 124	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.03	-0.12	-1.32
			Max. Mx	8	-27.26	-1121.06	-0.44
			Max. My	14	-27.26	-0.27	-1123.27
			Max. Vy	8	26.93	-1121.06	-0.44
			Max. Vx	14	26.97	-0.27	-1123.27
			Max. Torque	5			9.80
L19	124 - 121.42	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.93	-0.14	-1.38
			Max. Mx	8	-27.91	-1190.99	-0.48
			Max. My	14	-27.90	-0.28	-1193.30
			Max. Vy	8	27.29	-1190.99	-0.48
			Max. Vx	14	27.32	-0.28	-1193.30
			Max. Torque	5			9.80
L20	121.42 - 121.17	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.02	-0.15	-1.39
			Max. Mx	8	-27.98	-1197.82	-0.49
			Max. My	14	-27.98	-0.29	-1200.13
			Max. Vy	8	27.31	-1197.82	-0.49
			Max. Vx	14	27.35	-0.29	-1200.13
			Max. Torque	5			9.80
L21	121.17 - 116.17	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.83	-0.19	-1.51
			Max. Mx	8	-29.34	-1336.14	-0.58
			Max. My	14	-29.34	-0.31	-1338.66
			Max. Vy	8	28.02	-1336.14	-0.58
			Max. Vx	14	28.06	-0.31	-1338.66

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Torque	5			9.80
L22	116.17 - 115	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.26	-0.20	-1.54
			Max. Mx	8	-29.66	-1369.02	-0.60
			Max. My	14	-29.66	-0.31	-1371.59
			Max. Vy	8	28.19	-1369.02	-0.60
			Max. Vx	14	28.23	-0.31	-1371.59
			Max. Torque	5			9.80
L23	115 - 113.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.75	-0.22	-1.57
			Max. Mx	8	-30.05	-1404.38	-0.62
			Max. My	14	-30.05	-0.32	-1406.99
			Max. Vy	8	28.38	-1404.38	-0.62
			Max. Vx	14	28.41	-0.32	-1406.99
			Max. Torque	5			9.80
L24	113.75 - 113.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.84	-0.22	-1.58
			Max. Mx	8	-30.13	-1411.47	-0.62
			Max. My	14	-30.12	-0.32	-1414.10
			Max. Vy	8	28.41	-1411.47	-0.62
			Max. Vx	14	28.44	-0.32	-1414.10
			Max. Torque	5			9.80
L25	113.5 - 108.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-49.60	-0.27	-1.71
			Max. Mx	8	-31.51	-1555.34	-0.71
			Max. My	14	-31.51	-0.35	-1558.16
			Max. Vy	8	29.15	-1555.34	-0.71
			Max. Vx	14	29.18	-0.35	-1558.16
			Max. Torque	5			9.80
L26	108.5 - 103.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.38	-0.32	-1.85
			Max. Mx	8	-32.94	-1702.90	-0.80
			Max. My	14	-32.93	-0.37	-1705.93
			Max. Vy	8	29.89	-1702.90	-0.80
			Max. Vx	14	29.93	-0.37	-1705.93
			Max. Torque	5			9.80
L27	103.5 - 95	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.33	-0.34	-1.92
			Max. Mx	8	-33.66	-1778.10	-0.85
			Max. My	14	-33.66	-0.39	-1781.23
			Max. Vy	8	30.27	-1778.10	-0.85
			Max. Vx	14	30.31	-0.39	-1781.23
			Max. Torque	5			9.79
L28	95 - 94	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57.37	-0.42	-2.12
			Max. Mx	8	-37.70	-1994.33	-0.98
			Max. My	14	-37.70	-0.42	-1997.75
			Max. Vy	8	31.51	-1994.33	-0.98
			Max. Vx	14	31.54	-0.42	-1997.75
			Max. Torque	5			9.79
L29	94 - 91.4	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-58.59	-0.44	-2.20
			Max. Mx	8	-38.66	-2076.78	-1.03
			Max. My	14	-38.66	-0.44	-2080.31
			Max. Vy	8	31.93	-2076.78	-1.03
			Max. Vx	14	31.96	-0.44	-2080.31
			Max. Torque	5			9.79
L30	91.4 - 91.15	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-58.69	-0.45	-2.20
			Max. Mx	8	-38.75	-2084.76	-1.03
			Max. My	14	-38.75	-0.44	-2088.30
			Max. Vy	8	31.96	-2084.76	-1.03
			Max. Vx	14	31.99	-0.44	-2088.30
			Max. Torque	5			9.79
L31	91.15 - 91	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-58.75	-0.45	-2.21
			Max. Mx	8	-38.80	-2089.56	-1.04
			Max. My	14	-38.79	-0.44	-2093.10
			Max. Vy	8	31.98	-2089.56	-1.04

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	14	32.02	-0.44	-2093.10
			Max. Torque	5			9.79
L32	91 - 86	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.88	-0.50	-2.36
			Max. Mx	8	-40.51	-2251.48	-1.13
			Max. My	14	-40.51	-0.47	-2255.24
			Max. Vy	8	32.79	-2251.48	-1.13
			Max. Vx	14	32.83	-0.47	-2255.24
			Max. Torque	5			9.79
L33	86 - 81	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.03	-0.56	-2.52
			Max. Mx	8	-42.27	-2417.46	-1.22
			Max. My	14	-42.27	-0.50	-2421.42
			Max. Vy	8	33.61	-2417.46	-1.22
			Max. Vx	14	33.64	-0.50	-2421.42
			Max. Torque	5			9.79
L34	81 - 76	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-65.22	-0.62	-2.68
			Max. Mx	8	-44.07	-2587.56	-1.32
			Max. My	14	-44.07	-0.53	-2591.74
			Max. Vy	8	34.44	-2587.56	-1.32
			Max. Vx	14	34.47	-0.53	-2591.74
			Max. Torque	5			9.79
L35	76 - 71	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-67.46	-0.68	-2.84
			Max. Mx	8	-45.92	-2761.85	-1.41
			Max. My	14	-45.92	-0.56	-2766.23
			Max. Vy	8	35.28	-2761.85	-1.41
			Max. Vx	14	35.32	-0.56	-2766.23
			Max. Torque	5			9.79
L36	71 - 66	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.74	-0.74	-3.01
			Max. Mx	8	-47.81	-2940.37	-1.51
			Max. My	14	-47.81	-0.60	-2944.97
			Max. Vy	8	36.14	-2940.37	-1.51
			Max. Vx	14	36.17	-0.60	-2944.97
			Max. Torque	5			9.78
L37	66 - 63.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.82	-0.77	-3.09
			Max. Mx	8	-48.68	-3022.10	-1.55
			Max. My	14	-48.67	-0.61	-3026.80
			Max. Vy	8	36.53	-3022.10	-1.55
			Max. Vx	14	36.56	-0.61	-3026.80
			Max. Torque	5			9.78
L38	63.75 - 63.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-70.94	-0.77	-3.09
			Max. Mx	8	-48.78	-3031.24	-1.56
			Max. My	14	-48.78	-0.61	-3035.94
			Max. Vy	8	36.56	-3031.24	-1.56
			Max. Vx	14	36.59	-0.61	-3035.94
			Max. Torque	5			9.78
L39	63.5 - 58.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-73.33	-0.84	-3.27
			Max. Mx	8	-50.73	-3216.19	-1.66
			Max. My	14	-50.73	-0.65	-3221.12
			Max. Vy	8	37.43	-3216.19	-1.66
			Max. Vx	14	37.46	-0.65	-3221.12
			Max. Torque	5			9.78
L40	58.5 - 51	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-73.57	-0.84	-3.29
			Max. Mx	8	-50.93	-3234.93	-1.67
			Max. My	14	-50.93	-0.65	-3239.87
			Max. Vy	8	37.51	-3234.93	-1.67
			Max. Vx	14	37.54	-0.65	-3239.87
			Max. Torque	5			9.78
L41	51 - 50	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-80.85	-0.95	-3.58
			Max. Mx	8	-56.98	-3541.17	-1.83
			Max. My	14	-56.98	-0.71	-3546.46

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	8	39.04	-3541.17	-1.83
			Max. Vx	14	39.07	-0.71	-3546.46
			Max. Torque	5			9.78
L42	50 - 45	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.65	-1.02	-3.76
			Max. Mx	8	-59.29	-3738.53	-1.94
			Max. My	14	-59.29	-0.75	-3744.04
			Max. Vy	8	39.91	-3738.53	-1.94
			Max. Vx	14	39.94	-0.75	-3744.04
			Max. Torque	5			9.78
L43	45 - 40.42	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.25	-1.08	-3.93
			Max. Mx	8	-61.45	-3923.13	-2.03
			Max. My	14	-61.45	-0.78	-3928.84
			Max. Vy	8	40.71	-3923.13	-2.03
			Max. Vx	14	40.74	-0.78	-3928.84
			Max. Torque	5			9.78
L44	40.42 - 40.17	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.38	-1.08	-3.94
			Max. Mx	8	-61.56	-3933.32	-2.04
			Max. My	14	-61.56	-0.78	-3939.04
			Max. Vy	8	40.74	-3933.32	-2.04
			Max. Vx	14	40.78	-0.78	-3939.04
			Max. Torque	5			9.78
L45	40.17 - 40	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.46	-1.09	-3.95
			Max. Mx	8	-61.63	-3940.25	-2.04
			Max. My	14	-61.63	-0.78	-3945.97
			Max. Vy	8	40.77	-3940.25	-2.04
			Max. Vx	14	40.81	-0.78	-3945.97
			Max. Torque	5			9.78
L46	40 - 35	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-89.34	-1.11	-4.12
			Max. Mx	8	-64.00	-4146.28	-2.15
			Max. My	14	-64.00	-0.82	-4152.22
			Max. Vy	8	41.64	-4146.28	-2.15
			Max. Vx	14	41.67	-0.82	-4152.22
			Max. Torque	5			9.78
L47	35 - 33	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-90.53	-1.10	-4.18
			Max. Mx	8	-64.97	-4229.89	-2.19
			Max. My	14	-64.97	-0.84	-4235.93
			Max. Vy	8	41.98	-4229.89	-2.19
			Max. Vx	14	42.01	-0.84	-4235.93
			Max. Torque	5			9.78
L48	33 - 32.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-90.71	-1.10	-4.19
			Max. Mx	8	-65.12	-4240.39	-2.20
			Max. My	14	-65.12	-0.84	-4246.44
			Max. Vy	8	42.02	-4240.39	-2.20
			Max. Vx	14	42.05	-0.84	-4246.44
			Max. Torque	5			9.78
L49	32.75 - 19	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-93.97	-1.08	-4.34
			Max. Mx	8	-67.90	-4441.87	-2.30
			Max. My	14	-67.90	-0.88	-4448.13
			Max. Vy	8	42.82	-4441.87	-2.30
			Max. Vx	14	42.85	-0.88	-4448.13
			Max. Torque	5			9.78
L50	19 - 18	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-106.55	-1.03	-4.66
			Max. Mx	8	-78.82	-4879.22	-2.53
			Max. My	14	-78.82	-0.96	-4885.93
			Max. Vy	8	44.64	-4879.22	-2.53
			Max. Vx	14	44.67	-0.96	-4885.93
			Max. Torque	5			9.78
L51	18 - 13	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-110.07	-1.01	-4.82
			Max. Mx	8	-81.88	-5104.29	-2.64

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	14	-81.88	-1.00	-5111.22
			Max. Vy	8	45.40	-5104.29	-2.64
			Max. Vx	14	45.43	-1.00	-5111.22
			Max. Torque	5			9.78
L52	13 - 8	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-113.61	-0.99	-4.98
			Max. Mx	8	-84.98	-5333.18	-2.75
			Max. My	14	-84.98	-1.04	-5340.33
			Max. Vy	8	46.17	-5333.18	-2.75
			Max. Vx	14	46.20	-1.04	-5340.33
			Max. Torque	5			9.78
L53	8 - 6.42	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-114.74	-0.98	-5.03
			Max. Mx	8	-85.97	-5406.31	-2.79
			Max. My	14	-85.97	-1.06	-5413.54
			Max. Vy	8	46.42	-5406.31	-2.79
			Max. Vx	14	46.45	-1.06	-5413.54
			Max. Torque	5			9.78
L54	6.42 - 6.17	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-114.90	-0.98	-5.04
			Max. Mx	8	-86.11	-5417.92	-2.80
			Max. My	14	-86.11	-1.06	-5425.15
			Max. Vy	8	46.44	-5417.92	-2.80
			Max. Vx	14	46.47	-1.06	-5425.15
			Max. Torque	5			9.78
L55	6.17 - 1.17	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-118.09	-0.97	-5.20
			Max. Mx	8	-88.88	-5652.25	-2.91
			Max. My	14	-88.88	-1.10	-5659.71
			Max. Vy	8	47.28	-5652.25	-2.91
			Max. Vx	14	47.31	-1.10	-5659.71
			Max. Torque	5			9.78
L56	1.17 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-118.83	-0.97	-5.24
			Max. Mx	8	-89.54	-5707.68	-2.94
			Max. My	14	-89.54	-1.11	-5715.20
			Max. Vy	8	47.48	-5707.68	-2.94
			Max. Vx	14	47.51	-1.11	-5715.20
			Max. Torque	5			9.78

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	118.83	0.00	-0.00
	Max. H_x	21	67.16	47.47	0.00
	Max. H_z	2	89.54	0.00	47.50
	Max. M_x	2	5709.16	0.00	47.50
	Max. M_z	8	5707.68	-47.47	0.00
	Max. Torsion	5	9.78	-23.73	41.10
	Min. Vert	5	67.16	-23.73	41.10
	Min. H_x	8	89.54	-47.47	0.00
	Min. H_z	14	89.54	0.00	-47.50
	Min. M_x	14	-5715.20	0.00	-47.50
	Min. M_z	20	-5705.47	47.47	0.00
	Min. Torsion	17	-9.78	23.73	-41.10

Tower Mast Reaction Summary

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 Only	74.62	0.00	0.00	2.44	-0.89	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	89.54	0.00	-47.50	-5709.16	-1.11	-0.59
0.9 Dead+1.0 Wind 0 deg - No Ice	67.16	0.00	-47.50	-5662.52	-0.83	-0.59
1.2 Dead+1.0 Wind 30 deg - No Ice	89.54	23.73	-41.10	-4936.93	-2853.30	-9.78
0.9 Dead+1.0 Wind 30 deg - No Ice	67.16	23.73	-41.10	-4896.73	-2829.33	-9.78
1.2 Dead+1.0 Wind 60 deg - No Ice	89.54	41.09	-23.72	-2847.68	-4938.68	-0.07
0.9 Dead+1.0 Wind 60 deg - No Ice	67.16	41.09	-23.72	-2824.81	-4897.44	-0.07
1.2 Dead+1.0 Wind 90 deg - No Ice	89.54	47.47	0.00	2.94	-5707.68	9.65
0.9 Dead+1.0 Wind 90 deg - No Ice	67.16	47.47	0.00	2.19	-5660.05	9.65
1.2 Dead+1.0 Wind 120 deg - No Ice	89.54	41.15	23.76	2860.29	-4950.04	0.52
0.9 Dead+1.0 Wind 120 deg - No Ice	67.16	41.15	23.76	2835.80	-4908.68	0.52
1.2 Dead+1.0 Wind 150 deg - No Ice	89.54	23.77	41.16	4954.42	-2859.71	-8.75
0.9 Dead+1.0 Wind 150 deg - No Ice	67.16	23.77	41.16	4912.54	-2835.71	-8.75
1.2 Dead+1.0 Wind 180 deg - No Ice	89.54	0.00	47.50	5715.20	-1.11	0.59
0.9 Dead+1.0 Wind 180 deg - No Ice	67.16	0.00	47.50	5667.02	-0.83	0.59
1.2 Dead+1.0 Wind 210 deg - No Ice	89.54	-23.73	41.10	4943.07	2850.93	9.78
0.9 Dead+1.0 Wind 210 deg - No Ice	67.16	-23.73	41.10	4901.29	2827.57	9.78
1.2 Dead+1.0 Wind 240 deg - No Ice	89.54	-41.09	23.72	2853.74	4936.46	0.07
0.9 Dead+1.0 Wind 240 deg - No Ice	67.16	-41.09	23.72	2829.31	4895.79	0.07
1.2 Dead+1.0 Wind 270 deg - No Ice	89.54	-47.47	0.00	2.94	5705.47	-9.65
0.9 Dead+1.0 Wind 270 deg - No Ice	67.16	-47.47	0.00	2.19	5658.40	-9.65
1.2 Dead+1.0 Wind 300 deg - No Ice	89.54	-41.15	-23.76	-2854.25	4947.82	-0.52
0.9 Dead+1.0 Wind 300 deg - No Ice	67.16	-41.15	-23.76	-2831.31	4907.04	-0.52
1.2 Dead+1.0 Wind 330 deg - No Ice	89.54	-23.77	-41.16	-4948.30	2857.63	8.75
0.9 Dead+1.0 Wind 330 deg - No Ice	67.16	-23.77	-41.16	-4907.98	2834.17	8.75
1.2 Dead+1.0 Ice+1.0 Temp	118.83	0.00	0.00	5.24	-0.97	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	118.83	0.00	-11.21	-1393.40	-1.03	-0.10
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	118.83	5.60	-9.70	-1204.65	-699.73	-1.98
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	118.83	9.70	-5.60	-692.91	-1210.77	-0.01
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	118.83	11.20	0.00	5.53	-1398.94	1.96
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	118.83	9.71	5.61	705.26	-1212.98	0.09
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	118.83	5.61	9.71	1217.93	-701.00	-1.80
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	118.83	0.00	11.21	1404.47	-1.03	0.10
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	118.83	-5.60	9.70	1215.72	697.67	1.98
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	118.83	-9.70	5.60	703.98	1208.72	0.01
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	118.83	-11.20	0.00	5.53	1396.89	-1.96
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	118.83	-9.71	-5.61	-694.19	1210.93	-0.09
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	118.83	-5.61	-9.71	-1206.86	698.96	1.80
Dead+Wind 0 deg - Service	74.62	0.00	-11.19	-1336.11	-0.92	-0.14
Dead+Wind 30 deg - Service	74.62	5.59	-9.68	-1155.15	-669.30	-2.32
Dead+Wind 60 deg - Service	74.62	9.68	-5.59	-665.54	-1158.01	-0.02
Dead+Wind 90 deg - Service	74.62	11.18	0.00	2.51	-1338.22	2.29
Dead+Wind 120 deg - Service	74.62	9.69	5.60	672.09	-1160.67	0.12
Dead+Wind 150 deg - Service	74.62	5.60	9.69	1162.83	-670.83	-2.08
Dead+Wind 180 deg - Service	74.62	0.00	11.19	1341.13	-0.92	0.14
Dead+Wind 210 deg - Service	74.62	-5.59	9.68	1160.17	667.45	2.32
Dead+Wind 240 deg - Service	74.62	-9.68	5.59	670.56	1156.17	0.02
Dead+Wind 270 deg - Service	74.62	-11.18	0.00	2.51	1336.38	-2.29
Dead+Wind 300 deg - Service	74.62	-9.69	-5.60	-667.08	1158.84	-0.12
Dead+Wind 330 deg - Service	74.62	-5.60	-9.69	-1157.81	669.00	2.08

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	-74.62	0.00	0.00	74.62	0.00	0.000%
2	0.00	-89.54	-47.50	0.00	89.54	47.50	0.000%
3	0.00	-67.16	-47.50	0.00	67.16	47.50	0.000%
4	23.73	-89.54	-41.10	-23.73	89.54	41.10	0.000%
5	23.73	-67.16	-41.10	-23.73	67.16	41.10	0.000%
6	41.09	-89.54	-23.72	-41.09	89.54	23.72	0.000%
7	41.09	-67.16	-23.72	-41.09	67.16	23.72	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
8	47.47	-89.54	0.00	-47.47	89.54	0.00	0.000%
9	47.47	-67.16	0.00	-47.47	67.16	0.00	0.000%
10	41.15	-89.54	23.76	-41.15	89.54	-23.76	0.000%
11	41.15	-67.16	23.76	-41.15	67.16	-23.76	0.000%
12	23.77	-89.54	41.16	-23.77	89.54	-41.16	0.000%
13	23.77	-67.16	41.16	-23.77	67.16	-41.16	0.000%
14	0.00	-89.54	47.50	0.00	89.54	-47.50	0.000%
15	0.00	-67.16	47.50	0.00	67.16	-47.50	0.000%
16	-23.73	-89.54	41.10	23.73	89.54	-41.10	0.000%
17	-23.73	-67.16	41.10	23.73	67.16	-41.10	0.000%
18	-41.09	-89.54	23.72	41.09	89.54	-23.72	0.000%
19	-41.09	-67.16	23.72	41.09	67.16	-23.72	0.000%
20	-47.47	-89.54	0.00	47.47	89.54	0.00	0.000%
21	-47.47	-67.16	0.00	47.47	67.16	0.00	0.000%
22	-41.15	-89.54	-23.76	41.15	89.54	23.76	0.000%
23	-41.15	-67.16	-23.76	41.15	67.16	23.76	0.000%
24	-23.77	-89.54	-41.16	23.77	89.54	41.16	0.000%
25	-23.77	-67.16	-41.16	23.77	67.16	41.16	0.000%
26	0.00	-118.83	0.00	0.00	118.83	-0.00	0.000%
27	0.00	-118.83	-11.21	0.00	118.83	11.21	0.000%
28	5.60	-118.83	-9.70	-5.60	118.83	9.70	0.000%
29	9.70	-118.83	-5.60	-9.70	118.83	5.60	0.000%
30	11.20	-118.83	0.00	-11.20	118.83	0.00	0.000%
31	9.71	-118.83	5.61	-9.71	118.83	-5.61	0.000%
32	5.61	-118.83	9.71	-5.61	118.83	-9.71	0.000%
33	0.00	-118.83	11.21	0.00	118.83	-11.21	0.000%
34	-5.60	-118.83	9.70	5.60	118.83	-9.70	0.000%
35	-9.70	-118.83	5.60	9.70	118.83	-5.60	0.000%
36	-11.20	-118.83	0.00	11.20	118.83	0.00	0.000%
37	-9.71	-118.83	-5.61	9.71	118.83	5.61	0.000%
38	-5.61	-118.83	-9.71	5.61	118.83	9.71	0.000%
39	0.00	-74.62	-11.19	0.00	74.62	11.19	0.000%
40	5.59	-74.62	-9.68	-5.59	74.62	9.68	0.000%
41	9.68	-74.62	-5.59	-9.68	74.62	5.59	0.000%
42	11.18	-74.62	0.00	-11.18	74.62	0.00	0.000%
43	9.69	-74.62	5.60	-9.69	74.62	-5.60	0.000%
44	5.60	-74.62	9.69	-5.60	74.62	-9.69	0.000%
45	0.00	-74.62	11.19	0.00	74.62	-11.19	0.000%
46	-5.59	-74.62	9.68	5.59	74.62	-9.68	0.000%
47	-9.68	-74.62	5.59	9.68	74.62	-5.59	0.000%
48	-11.18	-74.62	0.00	11.18	74.62	0.00	0.000%
49	-9.69	-74.62	-5.60	9.69	74.62	5.60	0.000%
50	-5.60	-74.62	-9.69	5.60	74.62	9.69	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00027451
3	Yes	5	0.00000001	0.00011041
4	Yes	6	0.00000001	0.00033937
5	Yes	6	0.00000001	0.00011505
6	Yes	6	0.00000001	0.00038058
7	Yes	6	0.00000001	0.00013013
8	Yes	6	0.00000001	0.00011206
9	Yes	6	0.00000001	0.00004043
10	Yes	6	0.00000001	0.00038649
11	Yes	6	0.00000001	0.00013205
12	Yes	6	0.00000001	0.00044859
13	Yes	6	0.00000001	0.00015551
14	Yes	5	0.00000001	0.00027474
15	Yes	5	0.00000001	0.00011048
16	Yes	6	0.00000001	0.00045469
17	Yes	6	0.00000001	0.00015806
18	Yes	6	0.00000001	0.00038026

19	Yes	6	0.00000001	0.00012993
20	Yes	6	0.00000001	0.00011203
21	Yes	6	0.00000001	0.00004043
22	Yes	6	0.00000001	0.00037900
23	Yes	6	0.00000001	0.00012939
24	Yes	6	0.00000001	0.00034358
25	Yes	6	0.00000001	0.00011640
26	Yes	4	0.00000001	0.00001231
27	Yes	6	0.00000001	0.00026968
28	Yes	6	0.00000001	0.00029188
29	Yes	6	0.00000001	0.00029209
30	Yes	6	0.00000001	0.00027259
31	Yes	6	0.00000001	0.00029483
32	Yes	6	0.00000001	0.00029802
33	Yes	6	0.00000001	0.00027217
34	Yes	6	0.00000001	0.00029739
35	Yes	6	0.00000001	0.00029361
36	Yes	6	0.00000001	0.00027219
37	Yes	6	0.00000001	0.00029231
38	Yes	6	0.00000001	0.00029214
39	Yes	5	0.00000001	0.00004474
40	Yes	5	0.00000001	0.00013967
41	Yes	5	0.00000001	0.00012966
42	Yes	5	0.00000001	0.00012535
43	Yes	5	0.00000001	0.00013374
44	Yes	5	0.00000001	0.00019831
45	Yes	5	0.00000001	0.00004492
46	Yes	5	0.00000001	0.00020691
47	Yes	5	0.00000001	0.00012976
48	Yes	5	0.00000001	0.00012518
49	Yes	5	0.00000001	0.00012767
50	Yes	5	0.00000001	0.00013405

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	185 - 180	19.674	44	1.1630	0.0210
L2	180 - 175	18.459	44	1.1566	0.0194
L3	175 - 170	17.256	44	1.1395	0.0181
L4	170 - 165	16.075	44	1.1141	0.0166
L5	165 - 160	14.928	44	1.0734	0.0138
L6	160 - 155	13.831	44	1.0210	0.0113
L7	155 - 154	12.793	44	0.9598	0.0092
L8	154 - 153.75	12.594	44	0.9468	0.0087
L9	153.75 - 152.5	12.544	44	0.9445	0.0086
L10	152.5 - 152.25	12.298	44	0.9329	0.0083
L11	152.25 - 151.5	12.250	44	0.9312	0.0082
L12	151.5 - 151.25	12.104	44	0.9264	0.0081
L13	151.25 - 146.25	12.055	44	0.9242	0.0080
L14	146.25 - 141.25	11.111	44	0.8789	0.0068
L15	141.25 - 136.25	10.216	44	0.8299	0.0058
L16	136.25 - 130	9.374	44	0.7791	0.0050
L17	135 - 129	9.171	44	0.7664	0.0048
L18	129 - 124	8.226	44	0.7338	0.0043
L19	124 - 121.42	7.482	44	0.6887	0.0038
L20	121.42 - 121.17	7.116	44	0.6657	0.0035
L21	121.17 - 116.17	7.081	44	0.6636	0.0035
L22	116.17 - 115	6.408	44	0.6220	0.0031
L23	115 - 113.75	6.257	44	0.6126	0.0030
L24	113.75 - 113.5	6.097	44	0.6036	0.0029
L25	113.5 - 108.5	6.066	44	0.6015	0.0029
L26	108.5 - 103.5	5.458	44	0.5594	0.0025
L27	103.5 - 95	4.894	44	0.5178	0.0022
L28	101 - 94	4.628	44	0.4972	0.0021
L29	94 - 91.4	3.918	44	0.4693	0.0019
L30	91.4 - 91.15	3.667	44	0.4525	0.0018
L31	91.15 - 91	3.643	44	0.4505	0.0018

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L32	91 - 86	3.629	44	0.4493	0.0018
L33	86 - 81	3.178	44	0.4134	0.0015
L34	81 - 76	2.763	44	0.3786	0.0014
L35	76 - 71	2.385	44	0.3444	0.0012
L36	71 - 66	2.042	44	0.3109	0.0010
L37	66 - 63.75	1.733	44	0.2784	0.0009
L38	63.75 - 63.5	1.605	44	0.2641	0.0008
L39	63.5 - 58.5	1.591	44	0.2625	0.0008
L40	58.5 - 51	1.333	44	0.2311	0.0007
L41	58 - 50	1.309	44	0.2280	0.0007
L42	50 - 45	0.947	44	0.2023	0.0006
L43	45 - 40.42	0.749	44	0.1757	0.0005
L44	40.42 - 40.17	0.592	44	0.1518	0.0004
L45	40.17 - 40	0.584	44	0.1503	0.0004
L46	40 - 35	0.578	44	0.1493	0.0004
L47	35 - 33	0.436	44	0.1233	0.0003
L48	33 - 32.75	0.386	44	0.1130	0.0003
L49	32.75 - 19	0.380	44	0.1118	0.0003
L50	28 - 18	0.280	44	0.0907	0.0002
L51	18 - 13	0.113	44	0.0667	0.0002
L52	13 - 8	0.054	44	0.0449	0.0001
L53	8 - 6.42	0.018	44	0.0237	0.0001
L54	6.42 - 6.17	0.011	44	0.0172	0.0000
L55	6.17 - 1.17	0.011	44	0.0165	0.0000
L56	1.17 - 0	0.000	44	0.0000	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
186.00	3' x 2" Pipe Mount	44	19.674	1.1630	0.0210	23096
184.00	AIR6449 B41_T-MOBILE	44	19.431	1.1622	0.0206	23096
171.00	DMP65R-BU6D	44	16.309	1.1202	0.0170	9528
163.00	MX08FRO665-21 w/ Mount Pipe	44	14.483	1.0534	0.0127	5574
155.00	SBNHH-1D65B w/ Mount Pipe	44	12.793	0.9598	0.0092	5075

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	185 - 180	83.960	12	4.9718	0.0887
L2	180 - 175	78.772	12	4.9443	0.0820
L3	175 - 170	73.640	12	4.8713	0.0765
L4	170 - 165	68.603	12	4.7627	0.0702
L5	165 - 160	63.711	12	4.5884	0.0582
L6	160 - 155	59.027	12	4.3642	0.0478
L7	155 - 154	54.599	12	4.1017	0.0387
L8	154 - 153.75	53.747	12	4.0462	0.0368
L9	153.75 - 152.5	53.536	12	4.0364	0.0365
L10	152.5 - 152.25	52.487	12	3.9865	0.0349
L11	152.25 - 151.5	52.279	12	3.9796	0.0347
L12	151.5 - 151.25	51.656	12	3.9587	0.0341
L13	151.25 - 146.25	51.450	12	3.9497	0.0338
L14	146.25 - 141.25	47.419	12	3.7555	0.0289
L15	141.25 - 136.25	43.600	12	3.5460	0.0246
L16	136.25 - 130	40.004	12	3.3289	0.0209
L17	135 - 129	39.140	12	3.2743	0.0201
L18	129 - 124	35.107	12	3.1348	0.0182
L19	124 - 121.42	31.928	12	2.9419	0.0159
L20	121.42 - 121.17	30.366	12	2.8436	0.0149

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L21	121.17 - 116.17	30.217	12	2.8349	0.0148
L22	116.17 - 115	27.344	12	2.6569	0.0130
L23	115 - 113.75	26.698	12	2.6165	0.0126
L24	113.75 - 113.5	26.019	12	2.5783	0.0123
L25	113.5 - 108.5	25.884	12	2.5693	0.0122
L26	108.5 - 103.5	23.290	12	2.3890	0.0107
L27	103.5 - 95	20.882	12	2.2113	0.0093
L28	101 - 94	19.748	12	2.1231	0.0087
L29	94 - 91.4	16.716	12	2.0037	0.0079
L30	91.4 - 91.15	15.645	12	1.9321	0.0075
L31	91.15 - 91	15.544	12	1.9234	0.0074
L32	91 - 86	15.483	12	1.9181	0.0074
L33	86 - 81	13.556	12	1.7647	0.0065
L34	81 - 76	11.787	12	1.6160	0.0057
L35	76 - 71	10.172	12	1.4701	0.0050
L36	71 - 66	8.708	12	1.3269	0.0043
L37	66 - 63.75	7.392	12	1.1880	0.0037
L38	63.75 - 63.5	6.846	12	1.1269	0.0035
L39	63.5 - 58.5	6.787	12	1.1202	0.0034
L40	58.5 - 51	5.685	12	0.9857	0.0029
L41	58 - 50	5.583	12	0.9725	0.0029
L42	50 - 45	4.036	12	0.8630	0.0025
L43	45 - 40.42	3.192	12	0.7495	0.0021
L44	40.42 - 40.17	2.523	12	0.6472	0.0017
L45	40.17 - 40	2.489	12	0.6409	0.0017
L46	40 - 35	2.466	12	0.6367	0.0017
L47	35 - 33	1.858	12	0.5257	0.0014
L48	33 - 32.75	1.647	12	0.4816	0.0012
L49	32.75 - 19	1.622	12	0.4769	0.0012
L50	28 - 18	1.192	12	0.3868	0.0010
L51	18 - 13	0.480	12	0.2845	0.0007
L52	13 - 8	0.231	12	0.1915	0.0004
L53	8 - 6.42	0.078	12	0.1009	0.0002
L54	6.42 - 6.17	0.049	12	0.0731	0.0002
L55	6.17 - 1.17	0.045	12	0.0703	0.0002
L56	1.17 - 0	0.002	12	0.0132	0.0000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
186.00	3' x 2" Pipe Mount	12	83.960	4.9718	0.0887	5459
184.00	AIR6449 B41_T-MOBILE	12	82.920	4.9684	0.0873	5459
171.00	DMP65R-BU6D	12	69.600	4.7888	0.0719	2258
163.00	MX08FRO665-21 w/ Mount Pipe	12	61.809	4.5028	0.0536	1318
155.00	SBNHH-1D65B w/ Mount Pipe	12	54.599	4.1017	0.0387	1198

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	185 - 180 (1)	TP18x18x0.1875	5.00	0.00	0.0	10.7543	-4.64	406.51	0.011
L2	180 - 175 (2)	TP19.6313x18x0.25	5.00	0.00	0.0	15.6019	-4.97	589.75	0.008
L3	175 - 170 (3)	TP21.2625x19.6313x0.25	5.00	0.00	0.0	16.9151	-12.49	639.39	0.020
L4	170 - 165 (4)	TP22.8938x21.2625x0.25	5.00	0.00	0.0	18.2282	-12.98	689.03	0.019
L5	165 - 160 (5)	TP24.525x22.8938x0.25	5.00	0.00	0.0	19.5414	-15.89	738.66	0.022

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L6	160 - 155 (6)	TP26.1563x24.525x0.25	5.00	0.00	0.0	20.8545	-16.49	788.30	0.021
L7	155 - 154 (7)	TP26.4825x26.1563x0.25	1.00	0.00	0.0	21.1172	-20.15	798.23	0.025
L8	154 - 153.75 (8)	TP26.5641x26.4825x0.3688	0.25	0.00	0.0	31.1037	-20.20	1175.72	0.017
L9	153.75 - 152.5 (9)	TP26.9719x26.5641x0.3625	1.25	0.00	0.0	31.0598	-20.40	1174.06	0.017
L10	152.5 - 152.25 (10)	TP27.0534x26.9719x0.55	0.25	0.00	0.0	46.9376	-20.46	1774.24	0.012
L11	152.25 - 151.5 (11)	TP27.2981x27.0534x0.55	0.75	0.00	0.0	47.3709	-20.62	1790.62	0.012
L12	151.5 - 151.25 (12)	TP27.3797x27.2981x0.425	0.25	0.00	0.0	36.8875	-20.67	1394.35	0.015
L13	151.25 - 146.25 (13)	TP29.0109x27.3797x0.4125	5.00	0.00	0.0	37.9859	-21.59	1435.87	0.015
L14	146.25 - 141.25 (14)	TP30.6422x29.0109x0.4	5.00	0.00	0.0	38.9519	-22.55	1472.38	0.015
L15	141.25 - 136.25 (15)	TP32.2734x30.6422x0.3938	5.00	0.00	0.0	40.4195	-23.55	1527.86	0.015
L16	136.25 - 130 (16)	TP34.3125x32.2734x0.3938	6.25	0.00	0.0	40.9365	-23.80	1547.40	0.015
L17	130 - 129 (17)	TP34.1331x32.1813x0.475	6.00	0.00	0.0	51.4801	-26.02	1945.95	0.013
L18	129 - 124 (18)	TP35.7597x34.1331x0.4625	5.00	0.00	0.0	52.5663	-27.25	1987.01	0.014
L19	124 - 121.42 (19)	TP36.599x35.7597x0.4625	2.58	0.00	0.0	53.8163	-27.90	2034.26	0.014
L20	121.42 - 121.17 (20)	TP36.6803x36.599x0.5	0.25	0.00	0.0	58.2503	-27.98	2201.86	0.013
L21	121.17 - 116.17 (21)	TP38.3069x36.6803x0.4875	5.00	0.00	0.0	59.3670	-29.33	2244.07	0.013
L22	116.17 - 115 (22)	TP38.6875x38.3069x0.4875	1.17	0.00	0.0	59.9645	-29.66	2266.66	0.013
L23	115 - 113.75 (23)	TP39.0938x38.6875x0.55	1.25	0.00	0.0	68.2610	-30.04	2580.26	0.012
L24	113.75 - 113.5 (24)	TP39.175x39.0938x0.4688	0.25	0.00	0.0	58.4222	-30.12	2208.36	0.014
L25	113.5 - 108.5 (25)	TP40.8x39.175x0.4625	5.00	0.00	0.0	60.0726	-31.50	2270.74	0.014
L26	108.5 - 103.5 (26)	TP42.425x40.8x0.4563	5.00	0.00	0.0	61.6573	-32.93	2330.65	0.014
L27	103.5 - 95 (27)	TP45.1875x42.425x0.45	8.50	0.00	0.0	61.9991	-33.66	2343.57	0.014
L28	95 - 94 (28)	TP44.8525x42.6125x0.5875	7.00	0.00	0.0	83.7383	-37.70	3165.31	0.012
L29	94 - 91.4 (29)	TP45.6845x44.8525x0.575	2.60	0.00	0.0	83.5202	-38.66	3157.06	0.012
L30	91.4 - 91.15 (30)	TP45.7645x45.6845x0.4438	0.25	0.00	0.0	64.7577	-38.74	2447.84	0.016
L31	91.15 - 91 (31)	TP45.8125x45.7645x0.4438	0.15	0.00	0.0	64.8263	-38.79	2450.43	0.016
L32	91 - 86 (32)	TP47.4453x45.8125x0.5	5.00	0.00	0.0	75.5820	-40.50	2857.00	0.014
L33	86 - 81 (33)	TP49.0781x47.4453x0.5	5.00	0.00	0.0	78.2108	-42.27	2956.37	0.014
L34	81 - 76 (34)	TP50.7109x49.0781x0.4938	5.00	0.00	0.0	79.8391	-44.07	3017.92	0.015
L35	76 - 71 (35)	TP52.3438x50.7109x0.4875	5.00	0.00	0.0	81.4014	-45.92	3076.97	0.015
L36	71 - 66 (36)	TP53.9766x52.3438x0.4875	5.00	0.00	0.0	83.9645	-47.81	3173.86	0.015
L37	66 - 63.75 (37)	TP54.7113x53.9766x0.4875	2.25	0.00	0.0	85.1179	-48.67	3217.46	0.015
L38	63.75 - 63.5 (38)	TP54.793x54.7113x0.4875	0.25	0.00	0.0	85.2460	-48.78	3222.30	0.015
L39	63.5 - 58.5 (39)	TP56.4258x54.793x0.4813	5.00	0.00	0.0	86.6930	-50.72	3277.00	0.015
L40	58.5 - 51 (40)	TP58.875x56.4258x0.4813	7.50	0.00	0.0	86.9461	-50.93	3286.56	0.015
L41	51 - 50 (41)	TP58.4384x55.8391x0.55	8.00	0.00	0.0	102.5200	-56.98	3875.27	0.015
L42	50 - 45 (42)	TP60.0629x58.4384x0.55	5.00	0.00	0.0	105.3970	-59.29	3984.02	0.015
L43	45 - 40.42 (43)	TP61.551x60.0629x0.5438	4.58	0.00	0.0	106.8160	-61.45	4037.65	0.015
L44	40.42 - 40.17 (44)	TP61.6323x61.551x0.475	0.25	0.00	0.0	93.5400	-61.56	3535.81	0.017
L45	40.17 - 40 (45)	TP61.6875x61.6323x0.475	0.17	0.00	0.0	93.6245	-61.63	3539.01	0.017
L46	40 - 35 (46)	TP63.3095x61.6875x0.5313	5.00	0.00	0.0	107.3900	-64.00	4059.35	0.016
L47	35 - 33 (47)	TP63.9583x63.3095x0.525	2.00	0.00	0.0	107.2340	-64.97	4053.45	0.016
L48	33 - 32.75 (48)	TP64.0394x63.9583x0.6	0.25	0.00	0.0	122.5650	-65.12	4632.96	0.014
L49	32.75 - 19 (49)	TP68.5x64.0394x0.6	13.75	0.00	0.0	125.5420	-67.90	4745.49	0.014
L50	19 - 18 (50)	TP67.9579x64.7054x0.6	10.00	0.00	0.0	130.1350	-78.82	4919.12	0.016
L51	18 - 13 (51)	TP69.5842x67.9579x0.5875	5.00	0.00	0.0	130.5240	-81.88	4933.82	0.017
L52	13 - 8 (52)	TP71.2105x69.5842x0.5875	5.00	0.00	0.0	133.6010	-84.98	5050.12	0.017
L53	8 - 6.42 (53)	TP71.7244x71.2105x0.5875	1.58	0.00	0.0	134.5730	-85.97	5086.87	0.017
L54	6.42 - 6.17 (54)	TP71.8057x71.7244x0.9375	0.25	0.00	0.0	213.6880	-85.98	8077.40	0.011
L55	6.17 - 1.17 (55)	TP73.432x71.8057x0.9125	5.00	0.00	0.0	208.3020	-86.12	7873.81	0.011
L56	1.17 - 0 (56)	TP73.8125x73.432x0.9	1.17	0.00	0.0	210.1980	-88.89	7945.47	0.011

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	185 - 180 (1)	TP18x18x0.1875	20.80	185.39	0.112	0.00	185.39	0.000
L2	180 - 175 (2)	TP19.6313x18x0.25	48.07	291.96	0.165	0.00	291.96	0.000
L3	175 - 170 (3)	TP21.2625x19.6313x0.25	95.07	343.52	0.277	0.00	343.52	0.000
L4	170 - 165 (4)	TP22.8938x21.2625x0.25	169.10	399.26	0.424	0.00	399.26	0.000
L5	165 - 160 (5)	TP24.525x22.8938x0.25	254.51	459.20	0.554	0.00	459.20	0.000
L6	160 - 155 (6)	TP26.1563x24.525x0.25	346.52	519.54	0.667	0.00	519.54	0.000
L7	155 - 154 (7)	TP26.4825x26.1563x0.25	373.31	530.76	0.703	0.00	530.76	0.000
L8	154 - 153.75 (8)	TP26.5641x26.4825x0.3688	379.13	785.78	0.482	0.00	785.78	0.000

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L9	153.75 - 152.5 (9)	TP26.9719x26.5641x0.3625	408.33	797.43	0.512	0.00	797.43	0.000
L10	152.5 - 152.25 (10)	TP27.0534x26.9719x0.55	414.19	1191.90	0.347	0.00	1191.90	0.000
L11	152.25 - 151.5 (11)	TP27.2981x27.0534x0.55	431.81	1214.23	0.356	0.00	1214.23	0.000
L12	151.5 - 151.25 (12)	TP27.3797x27.2981x0.425	437.69	957.32	0.457	0.00	957.32	0.000
L13	151.25 - 146.25 (13)	TP29.0109x27.3797x0.4125	556.92	1047.33	0.532	0.00	1047.33	0.000
L14	146.25 - 141.25 (14)	TP30.6422x29.0109x0.4	679.01	1137.03	0.597	0.00	1137.03	0.000
L15	141.25 - 136.25 (15)	TP32.2734x30.6422x0.3938	804.08	1244.83	0.646	0.00	1244.83	0.000
L16	136.25 - 130 (16)	TP34.3125x32.2734x0.3938	835.82	1277.08	0.654	0.00	1277.08	0.000
L17	130 - 129 (17)	TP34.1331x32.1813x0.475	991.27	1671.02	0.593	0.00	1671.02	0.000
L18	129 - 124 (18)	TP35.7597x34.1331x0.4625	1124.61	1791.15	0.628	0.00	1791.15	0.000
L19	124 - 121.42 (19)	TP36.599x35.7597x0.4625	1194.72	1877.91	0.636	0.00	1877.91	0.000
L20	121.42 - 121.17 (20)	TP36.6803x36.599x0.5	1201.56	2033.05	0.591	0.00	2033.05	0.000
L21	121.17 - 116.17 (21)	TP38.3069x36.6803x0.4875	1340.25	2167.88	0.618	0.00	2167.88	0.000
L22	116.17 - 115 (22)	TP38.6875x38.3069x0.4875	1373.22	2212.01	0.621	0.00	2212.01	0.000
L23	115 - 113.75 (23)	TP39.0938x38.6875x0.55	1408.66	2536.94	0.555	0.00	2536.94	0.000
L24	113.75 - 113.5 (24)	TP39.175x39.0938x0.4688	1415.78	2185.08	0.648	0.00	2185.08	0.000
L25	113.5 - 108.5 (25)	TP40.8x39.175x0.4625	1560.00	2343.00	0.666	0.00	2343.00	0.000
L26	108.5 - 103.5 (26)	TP42.425x40.8x0.4563	1707.93	2503.53	0.682	0.00	2503.53	0.000
L27	103.5 - 95 (27)	TP45.1875x42.425x0.45	1783.31	2567.42	0.695	0.00	2567.42	0.000
L28	95 - 94 (28)	TP44.8525x42.6125x0.5875	2000.06	3577.63	0.559	0.00	3577.63	0.000
L29	94 - 91.4 (29)	TP45.6845x44.8525x0.575	2082.70	3638.28	0.572	0.00	3638.28	0.000
L30	91.4 - 91.15 (30)	TP45.7645x45.6845x0.4438	2090.70	2834.07	0.738	0.00	2834.07	0.000
L31	91.15 - 91 (31)	TP45.8125x45.7645x0.4438	2095.51	2839.22	0.738	0.00	2839.22	0.000
L32	91 - 86 (32)	TP47.4453x45.8125x0.5	2257.80	3433.57	0.658	0.00	3433.57	0.000
L33	86 - 81 (33)	TP49.0781x47.4453x0.5	2424.15	3677.88	0.659	0.00	3677.88	0.000
L34	81 - 76 (34)	TP50.7109x49.0781x0.4938	2594.62	3876.18	0.669	0.00	3876.18	0.000
L35	76 - 71 (35)	TP52.3438x50.7109x0.4875	2769.28	4028.01	0.688	0.00	4028.01	0.000
L36	71 - 66 (36)	TP53.9766x52.3438x0.4875	2948.18	4245.06	0.694	0.00	4245.06	0.000
L37	66 - 63.75 (37)	TP54.7113x53.9766x0.4875	3030.07	4343.68	0.698	0.00	4343.68	0.000
L38	63.75 - 63.5 (38)	TP54.793x54.7113x0.4875	3039.23	4354.67	0.698	0.00	4354.67	0.000
L39	63.5 - 58.5 (39)	TP56.4258x54.793x0.4813	3224.57	4498.48	0.717	0.00	4498.48	0.000
L40	58.5 - 51 (40)	TP58.875x56.4258x0.4813	3243.34	4520.28	0.718	0.00	4520.28	0.000
L41	51 - 50 (41)	TP58.4384x55.8391x0.55	3550.18	5681.07	0.625	0.00	5681.07	0.000
L42	50 - 45 (42)	TP60.0629x58.4384x0.55	3747.93	5954.45	0.629	0.00	5954.45	0.000
L43	45 - 40.42 (43)	TP61.551x60.0629x0.5438	3932.88	6115.80	0.643	0.00	6115.80	0.000
L44	40.42 - 40.17 (44)	TP61.6323x61.551x0.475	3943.07	5111.28	0.771	0.00	5111.28	0.000
L45	40.17 - 40 (45)	TP61.6875x61.6323x0.475	3950.02	5118.70	0.772	0.00	5118.70	0.000
L46	40 - 35 (46)	TP63.3095x61.6875x0.5313	4156.43	6217.93	0.668	0.00	6217.93	0.000
L47	35 - 33 (47)	TP63.9583x63.3095x0.525	4240.19	6224.60	0.681	0.00	6224.60	0.000
L48	33 - 32.75 (48)	TP64.0394x63.9583x0.6	4250.71	7433.05	0.572	0.00	7433.05	0.000
L49	32.75 - 19 (49)	TP68.5x64.0394x0.6	4452.55	7742.02	0.575	0.00	7742.02	0.000
L50	19 - 18 (50)	TP67.9579x64.7054x0.6	4890.67	8225.02	0.595	0.00	8225.02	0.000
L51	18 - 13 (51)	TP69.5842x67.9579x0.5875	5116.12	8323.87	0.615	0.00	8323.87	0.000
L52	13 - 8 (52)	TP71.2105x69.5842x0.5875	5345.39	8649.92	0.618	0.00	8649.92	0.000
L53	8 - 6.42 (53)	TP71.7244x71.2105x0.5875	5418.64	8753.50	0.619	0.00	8753.50	0.000
L54	6.42 - 6.17 (54)	TP71.8057x71.7244x0.9375	5418.64	14600.08	0.371	0.00	14600.08	0.000
L55	6.17 - 1.17 (55)	TP73.432x71.8057x0.9125	5430.27	14258.75	0.381	0.00	14258.75	0.000
L56	1.17 - 0 (56)	TP73.8125x73.432x0.9	5664.98	14727.83	0.385	0.00	14727.83	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	185 - 180 (1)	TP18x18x0.1875	5.25	121.95	0.043	2.00	191.08	0.010
L2	180 - 175 (2)	TP19.6313x18x0.25	5.67	176.93	0.032	2.00	301.63	0.007
L3	175 - 170 (3)	TP21.2625x19.6313x0.25	14.57	191.82	0.076	6.63	354.54	0.019
L4	170 - 165 (4)	TP22.8938x21.2625x0.25	15.04	206.71	0.073	6.63	411.72	0.016
L5	165 - 160 (5)	TP24.525x22.8938x0.25	18.16	221.60	0.082	7.67	473.18	0.016
L6	160 - 155 (6)	TP26.1563x24.525x0.25	18.65	236.49	0.079	7.67	538.91	0.014
L7	155 - 154 (7)	TP26.4825x26.1563x0.25	23.26	239.47	0.097	8.79	552.57	0.016
L8	154 - 153.75 (8)	TP26.5641x26.4825x0.3688	23.28	352.72	0.066	8.79	812.73	0.011
L9	153.75 - 152.5 (9)	TP26.9719x26.5641x0.3625	23.42	352.22	0.066	8.78	824.42	0.011
L10	152.5 - 152.25 (10)	TP27.0534x26.9719x0.55	23.45	532.27	0.044	8.78	1240.90	0.007
L11	152.25 - 151.5 (11)	TP27.2981x27.0534x0.55	23.53	537.19	0.044	8.78	1263.92	0.007

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L12	151.5 - 151.25 (12)	TP27.3797x27.2981x0.425	23.56	418.30	0.056	8.78	991.81	0.009
L13	151.25 - 146.25 (13)	TP29.0109x27.3797x0.4125	24.13	430.76	0.056	8.78	1083.62	0.008
L14	146.25 - 141.25 (14)	TP30.6422x29.0109x0.4	24.71	441.71	0.056	8.78	1175.05	0.007
L15	141.25 - 136.25 (15)	TP32.2734x30.6422x0.3938	25.31	458.36	0.055	8.78	1285.34	0.007
L16	136.25 - 130 (16)	TP34.3125x32.2734x0.3938	25.47	464.22	0.055	8.78	1318.43	0.007
L17	130 - 129 (17)	TP34.1331x32.1813x0.475	26.33	583.78	0.045	8.77	1728.39	0.005
L18	129 - 124 (18)	TP35.7597x34.1331x0.4625	27.00	596.10	0.045	8.77	1850.81	0.005
L19	124 - 121.42 (19)	TP36.599x35.7597x0.4625	27.35	610.28	0.045	8.77	1939.87	0.005
L20	121.42 - 121.17 (20)	TP36.6803x36.599x0.5	27.38	660.56	0.041	8.77	2102.25	0.004
L21	121.17 - 116.17 (21)	TP38.3069x36.6803x0.4875	28.09	673.22	0.042	8.77	2239.61	0.004
L22	116.17 - 115 (22)	TP38.6875x38.3069x0.4875	28.26	680.00	0.042	8.77	2284.92	0.004
L23	115 - 113.75 (23)	TP39.0938x38.6875x0.55	28.44	774.08	0.037	8.77	2624.46	0.003
L24	113.75 - 113.5 (24)	TP39.175x39.0938x0.4688	28.47	662.51	0.043	8.77	2255.65	0.004
L25	113.5 - 108.5 (25)	TP40.8x39.175x0.4625	29.21	681.22	0.043	8.76	2417.12	0.004
L26	108.5 - 103.5 (26)	TP42.425x40.8x0.4563	29.96	699.19	0.043	8.76	2581.21	0.003
L27	103.5 - 95 (27)	TP45.1875x42.425x0.45	30.34	703.07	0.043	8.76	2646.15	0.003
L28	95 - 94 (28)	TP44.8525x42.6125x0.5875	31.57	949.59	0.033	8.76	3697.41	0.002
L29	94 - 91.4 (29)	TP45.6845x44.8525x0.575	31.99	947.12	0.034	8.76	3758.13	0.002
L30	91.4 - 91.15 (30)	TP45.7645x45.6845x0.4438	32.02	734.35	0.044	8.76	2927.53	0.003
L31	91.15 - 91 (31)	TP45.8125x45.7645x0.4438	32.05	735.13	0.044	8.76	2933.73	0.003
L32	91 - 86 (32)	TP47.4453x45.8125x0.5	32.86	857.10	0.038	8.76	3539.35	0.002
L33	86 - 81 (33)	TP49.0781x47.4453x0.5	33.68	886.91	0.038	8.76	3789.83	0.002
L34	81 - 76 (34)	TP50.7109x49.0781x0.4938	34.51	905.38	0.038	8.76	3999.27	0.002
L35	76 - 71 (35)	TP52.3438x50.7109x0.4875	35.35	923.09	0.038	8.76	4210.62	0.002
L36	71 - 66 (36)	TP53.9766x52.3438x0.4875	36.20	952.16	0.038	8.75	4479.95	0.002
L37	66 - 63.75 (37)	TP54.7113x53.9766x0.4875	36.59	965.24	0.038	8.75	4603.88	0.002
L38	63.75 - 63.5 (38)	TP54.793x54.7113x0.4875	36.62	966.69	0.038	8.75	4617.75	0.002
L39	63.5 - 58.5 (39)	TP56.4258x54.793x0.4813	37.49	983.10	0.038	8.75	4837.88	0.002
L40	58.5 - 51 (40)	TP58.875x56.4258x0.4813	37.57	985.97	0.038	8.75	4866.16	0.002
L41	51 - 50 (41)	TP58.4384x55.8391x0.55	39.10	1162.58	0.034	8.75	5919.90	0.001
L42	50 - 45 (42)	TP60.0629x58.4384x0.55	39.98	1195.21	0.033	8.75	6256.83	0.001
L43	45 - 40.42 (43)	TP61.551x60.0629x0.5438	40.77	1211.30	0.034	8.75	6500.27	0.001
L44	40.42 - 40.17 (44)	TP61.6323x61.551x0.475	40.81	1060.74	0.038	8.75	5706.35	0.002
L45	40.17 - 40 (45)	TP61.6875x61.6323x0.475	40.83	1061.70	0.038	8.75	5716.67	0.002
L46	40 - 35 (46)	TP63.3095x61.6875x0.5313	41.70	1217.80	0.034	8.75	6724.91	0.001
L47	35 - 33 (47)	TP63.9583x63.3095x0.525	42.05	1216.03	0.035	8.75	6785.21	0.001
L48	33 - 32.75 (48)	TP64.0394x63.9583x0.6	42.08	1389.89	0.030	8.75	7756.02	0.001
L49	32.75 - 19 (49)	TP68.5x64.0394x0.6	42.88	1423.65	0.030	8.75	8137.37	0.001
L50	19 - 18 (50)	TP67.9579x64.7054x0.6	44.70	1475.74	0.030	8.75	8743.75	0.001
L51	18 - 13 (51)	TP69.5842x67.9579x0.5875	45.46	1480.15	0.031	8.75	8983.25	0.001
L52	13 - 8 (52)	TP71.2105x69.5842x0.5875	46.23	1515.04	0.031	8.75	9411.75	0.001
L53	8 - 6.42 (53)	TP71.7244x71.2105x0.5875	46.48	1526.06	0.030	8.75	9549.17	0.001
L54	6.42 - 6.17 (54)	TP71.8057x71.7244x0.9375	46.50	2426.00	0.019	8.75	15088.50	0.001
L55	6.17 - 1.17 (55)	TP73.432x71.8057x0.9125	46.68	2372.98	0.020	8.75	14730.25	0.001
L56	1.17 - 0 (56)	TP73.8125x73.432x0.9	47.54	2396.15	0.020	8.75	15207.92	0.001

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	185 - 180 (1)	0.011	0.112	0.000	0.043	0.010	0.126	1.050	
L2	180 - 175 (2)	0.008	0.165	0.000	0.032	0.007	0.175	1.050	
L3	175 - 170 (3)	0.020	0.277	0.000	0.076	0.019	0.305	1.050	
L4	170 - 165 (4)	0.019	0.424	0.000	0.073	0.016	0.450	1.050	
L5	165 - 160 (5)	0.022	0.554	0.000	0.082	0.016	0.585	1.050	
L6	160 - 155 (6)	0.021	0.667	0.000	0.079	0.014	0.697	1.050	
L7	155 - 154 (7)	0.025	0.703	0.000	0.097	0.016	0.741	1.050	
L8	154 - 153.75 (8)	0.017	0.482	0.000	0.066	0.011	0.506	1.050	
L9	153.75 - 152.5 (9)	0.017	0.512	0.000	0.066	0.011	0.535	1.050	
L10	152.5 - 152.25 (10)	0.012	0.347	0.000	0.044	0.007	0.362	1.050	
L11	152.25 - 151.5 (11)	0.012	0.356	0.000	0.044	0.007	0.370	1.050	
L12	151.5 - 151.25 (12)	0.015	0.457	0.000	0.056	0.009	0.476	1.050	
L13	151.25 - 146.25 (13)	0.015	0.532	0.000	0.056	0.008	0.551	1.050	

Section No.	Elevation ft	Ratio P_u / ϕP_n	Ratio M_{ux} / ϕM_{nx}	Ratio M_{uy} / ϕM_{ny}	Ratio V_u / ϕV_n	Ratio T_u / ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L14	146.25 - 141.25 (14)	0.015	0.597	0.000	0.056	0.007	0.617	1.050	
L15	141.25 - 136.25 (15)	0.015	0.646	0.000	0.055	0.007	0.665	1.050	
L16	136.25 - 130 (16)	0.015	0.654	0.000	0.055	0.007	0.674	1.050	
L17	130 - 129 (17)	0.013	0.593	0.000	0.045	0.005	0.609	1.050	
L18	129 - 124 (18)	0.014	0.628	0.000	0.045	0.005	0.644	1.050	
L19	124 - 121.42 (19)	0.014	0.636	0.000	0.045	0.005	0.652	1.050	
L20	121.42 - 121.17 (20)	0.013	0.591	0.000	0.041	0.004	0.606	1.050	
L21	121.17 - 116.17 (21)	0.013	0.618	0.000	0.042	0.004	0.633	1.050	
L22	116.17 - 115 (22)	0.013	0.621	0.000	0.042	0.004	0.636	1.050	
L23	115 - 113.75 (23)	0.012	0.555	0.000	0.037	0.003	0.569	1.050	
L24	113.75 - 113.5 (24)	0.014	0.648	0.000	0.043	0.004	0.664	1.050	
L25	113.5 - 108.5 (25)	0.014	0.666	0.000	0.043	0.004	0.682	1.050	
L26	108.5 - 103.5 (26)	0.014	0.682	0.000	0.043	0.003	0.698	1.050	
L27	103.5 - 95 (27)	0.014	0.695	0.000	0.043	0.003	0.711	1.050	
L28	95 - 94 (28)	0.012	0.559	0.000	0.033	0.002	0.572	1.050	
L29	94 - 91.4 (29)	0.012	0.572	0.000	0.034	0.002	0.586	1.050	
L30	91.4 - 91.15 (30)	0.016	0.738	0.000	0.044	0.003	0.756	1.050	
L31	91.15 - 91 (31)	0.016	0.738	0.000	0.044	0.003	0.756	1.050	
L32	91 - 86 (32)	0.014	0.658	0.000	0.038	0.002	0.673	1.050	
L33	86 - 81 (33)	0.014	0.659	0.000	0.038	0.002	0.675	1.050	
L34	81 - 76 (34)	0.015	0.669	0.000	0.038	0.002	0.686	1.050	
L35	76 - 71 (35)	0.015	0.688	0.000	0.038	0.002	0.704	1.050	
L36	71 - 66 (36)	0.015	0.694	0.000	0.038	0.002	0.711	1.050	
L37	66 - 63.75 (37)	0.015	0.698	0.000	0.038	0.002	0.714	1.050	
L38	63.75 - 63.5 (38)	0.015	0.698	0.000	0.038	0.002	0.715	1.050	
L39	63.5 - 58.5 (39)	0.015	0.717	0.000	0.038	0.002	0.734	1.050	
L40	58.5 - 51 (40)	0.015	0.718	0.000	0.038	0.002	0.735	1.050	
L41	51 - 50 (41)	0.015	0.625	0.000	0.034	0.001	0.641	1.050	
L42	50 - 45 (42)	0.015	0.629	0.000	0.033	0.001	0.646	1.050	
L43	45 - 40.42 (43)	0.015	0.643	0.000	0.034	0.001	0.660	1.050	
L44	40.42 - 40.17 (44)	0.017	0.771	0.000	0.038	0.002	0.790	1.050	
L45	40.17 - 40 (45)	0.017	0.772	0.000	0.038	0.002	0.791	1.050	
L46	40 - 35 (46)	0.016	0.668	0.000	0.034	0.001	0.685	1.050	
L47	35 - 33 (47)	0.016	0.681	0.000	0.035	0.001	0.699	1.050	
L48	33 - 32.75 (48)	0.014	0.572	0.000	0.030	0.001	0.587	1.050	
L49	32.75 - 19 (49)	0.014	0.575	0.000	0.030	0.001	0.590	1.050	
L50	19 - 18 (50)	0.016	0.595	0.000	0.030	0.001	0.612	1.050	
L51	18 - 13 (51)	0.017	0.615	0.000	0.031	0.001	0.632	1.050	
L52	13 - 8 (52)	0.017	0.618	0.000	0.031	0.001	0.636	1.050	
L53	8 - 6.42 (53)	0.017	0.619	0.000	0.030	0.001	0.637	1.050	
L54	6.42 - 6.17 (54)	0.011	0.371	0.000	0.019	0.001	0.382	1.050	
L55	6.17 - 1.17 (55)	0.011	0.381	0.000	0.020	0.001	0.392	1.050	
L56	1.17 - 0 (56)	0.011	0.385	0.000	0.020	0.001	0.396	1.050	

Section Capacity Table

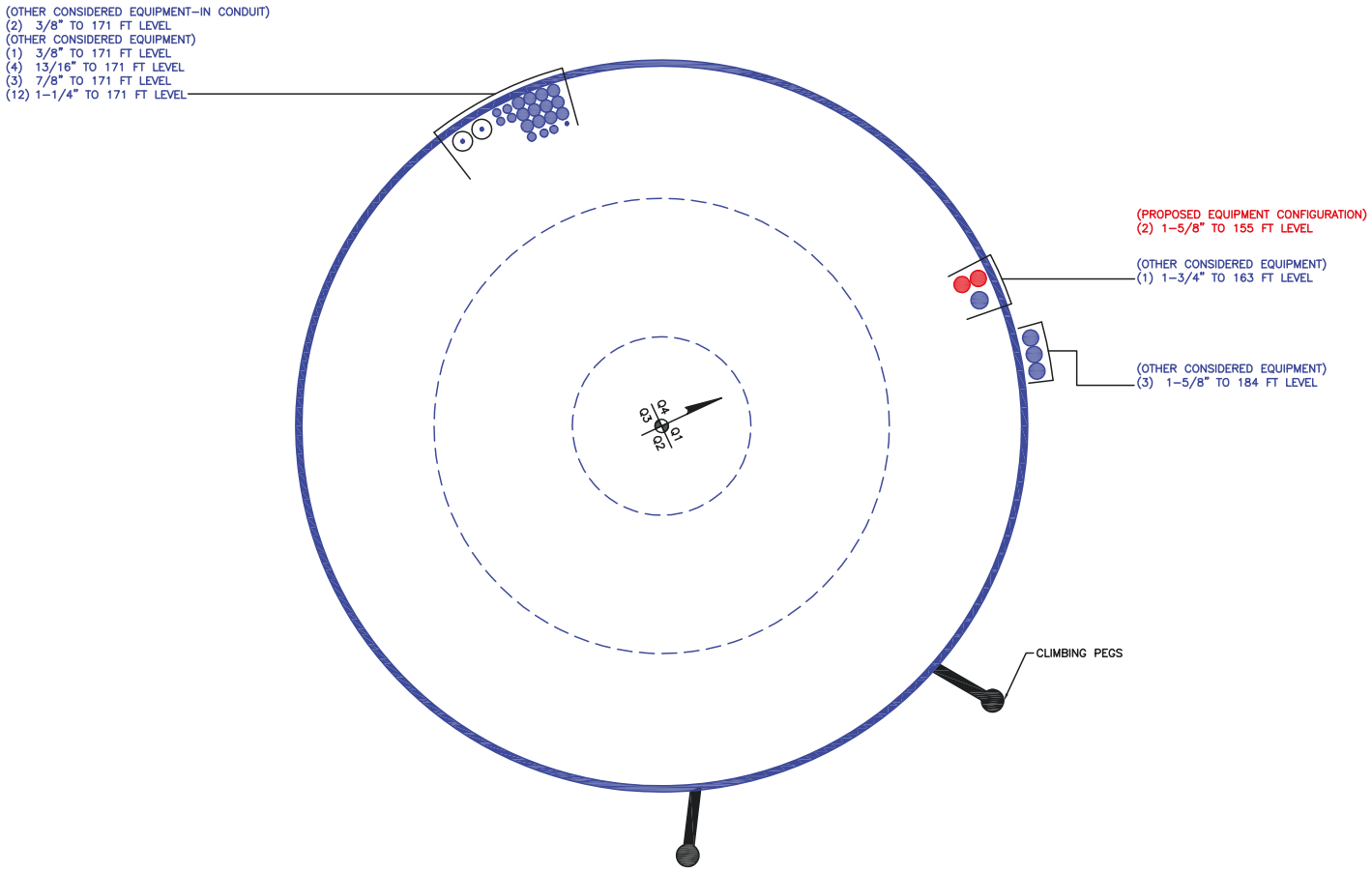
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	185 - 180	Pole	TP18x18x0.1875	1	-4.64	426.84	12.0	Pass
L2	180 - 175	Pole	TP19.6313x18x0.25	2	-4.97	619.24	16.6	Pass
L3	175 - 170	Pole	TP21.2625x19.6313x0.25	3	-12.49	671.36	29.1	Pass
L4	170 - 165	Pole	TP22.8938x21.2625x0.25	4	-12.98	723.48	42.9	Pass
L5	165 - 160	Pole	TP24.525x22.8938x0.25	5	-15.89	775.60	55.8	Pass
L6	160 - 155	Pole	TP26.1563x24.525x0.25	6	-16.49	827.72	66.3	Pass
L7	155 - 154	Pole	TP26.4825x26.1563x0.25	7	-20.15	838.14	70.6	Pass
L8	154 - 153.75	Pole	TP26.5641x26.4825x0.3688	8	-20.20	1234.51	48.1	Pass
L9	153.75 - 152.5	Pole	TP26.9719x26.5641x0.3625	9	-20.40	1232.76	51.0	Pass
L10	152.5 - 152.25	Pole	TP27.0534x26.9719x0.55	10	-20.46	1862.95	34.4	Pass
L11	152.25 - 151.5	Pole	TP27.2981x27.0534x0.55	11	-20.62	1880.15	35.2	Pass
L12	151.5 - 151.25	Pole	TP27.3797x27.2981x0.425	12	-20.67	1464.07	45.4	Pass
L13	151.25 - 146.25	Pole	TP29.0109x27.3797x0.4125	13	-21.59	1507.66	52.5	Pass
L14	146.25 - 141.25	Pole	TP30.6422x29.0109x0.4	14	-22.55	1546.00	58.7	Pass
L15	141.25 - 136.25	Pole	TP32.2734x30.6422x0.3938	15	-23.55	1604.25	63.4	Pass
L16	136.25 - 130	Pole	TP34.3125x32.2734x0.3938	16	-23.80	1624.77	64.2	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L17	130 - 129	Pole	TP34.1331x32.1813x0.475	17	-26.02	2043.25	58.0	Pass
L18	129 - 124	Pole	TP35.7597x34.1331x0.4625	18	-27.25	2086.36	61.3	Pass
L19	124 - 121.42	Pole	TP36.599x35.7597x0.4625	19	-27.90	2135.97	62.1	Pass
L20	121.42 - 121.17	Pole	TP36.6803x36.599x0.5	20	-27.98	2311.95	57.7	Pass
L21	121.17 - 116.17	Pole	TP38.3069x36.6803x0.4875	21	-29.33	2356.27	60.3	Pass
L22	116.17 - 115	Pole	TP38.6875x38.3069x0.4875	22	-29.66	2379.99	60.6	Pass
L23	115 - 113.75	Pole	TP39.0938x38.6875x0.55	23	-30.04	2709.27	54.1	Pass
L24	113.75 - 113.5	Pole	TP39.175x39.0938x0.4688	24	-30.12	2318.78	63.2	Pass
L25	113.5 - 108.5	Pole	TP40.8x39.175x0.4625	25	-31.50	2384.28	64.9	Pass
L26	108.5 - 103.5	Pole	TP42.425x40.8x0.4563	26	-32.93	2447.18	66.5	Pass
L27	103.5 - 95	Pole	TP45.1875x42.425x0.45	27	-33.66	2460.75	67.7	Pass
L28	95 - 94	Pole	TP44.8525x42.6125x0.5875	28	-37.70	3323.58	54.5	Pass
L29	94 - 91.4	Pole	TP45.6845x44.8525x0.575	29	-38.66	3314.91	55.8	Pass
L30	91.4 - 91.15	Pole	TP45.7645x45.6845x0.4438	30	-38.74	2570.23	72.0	Pass
L31	91.15 - 91	Pole	TP45.8125x45.7645x0.4438	31	-38.79	2572.95	72.0	Pass
L32	91 - 86	Pole	TP47.4453x45.8125x0.5	32	-40.50	2999.85	64.1	Pass
L33	86 - 81	Pole	TP49.0781x47.4453x0.5	33	-42.27	3104.19	64.3	Pass
L34	81 - 76	Pole	TP50.7109x49.0781x0.4938	34	-44.07	3168.82	65.3	Pass
L35	76 - 71	Pole	TP52.3438x50.7109x0.4875	35	-45.92	3230.82	67.1	Pass
L36	71 - 66	Pole	TP53.9766x52.3438x0.4875	36	-47.81	3332.55	67.7	Pass
L37	66 - 63.75	Pole	TP54.7113x53.9766x0.4875	37	-48.67	3378.33	68.0	Pass
L38	63.75 - 63.5	Pole	TP54.793x54.7113x0.4875	38	-48.78	3383.41	68.1	Pass
L39	63.5 - 58.5	Pole	TP56.4258x54.793x0.4813	39	-50.72	3440.85	69.9	Pass
L40	58.5 - 51	Pole	TP58.875x56.4258x0.4813	40	-50.93	3450.89	70.0	Pass
L41	51 - 50	Pole	TP58.4384x55.8391x0.55	41	-56.98	4069.03	61.0	Pass
L42	50 - 45	Pole	TP60.0629x58.4384x0.55	42	-59.29	4183.22	61.5	Pass
L43	45 - 40.42	Pole	TP61.551x60.0629x0.5438	43	-61.45	4239.53	62.8	Pass
L44	40.42 - 40.17	Pole	TP61.6323x61.551x0.475	44	-61.56	3712.60	75.3	Pass
L45	40.17 - 40	Pole	TP61.6875x61.6323x0.475	45	-61.63	3715.96	75.3	Pass
L46	40 - 35	Pole	TP63.3095x61.6875x0.5313	46	-64.00	4262.32	65.3	Pass
L47	35 - 33	Pole	TP63.9583x63.3095x0.525	47	-64.97	4256.12	66.5	Pass
L48	33 - 32.75	Pole	TP64.0394x63.9583x0.6	48	-65.12	4864.61	55.9	Pass
L49	32.75 - 19	Pole	TP68.5x64.0394x0.6	49	-67.90	4982.76	56.2	Pass
L50	19 - 18	Pole	TP67.9579x64.7054x0.6	50	-78.82	5165.08	58.2	Pass
L51	18 - 13	Pole	TP69.5842x67.9579x0.5875	51	-81.88	5180.51	60.2	Pass
L52	13 - 8	Pole	TP71.2105x69.5842x0.5875	52	-84.98	5302.63	60.6	Pass
L53	8 - 6.42	Pole	TP71.7244x71.2105x0.5875	53	-85.97	5341.21	60.7	Pass
L54	6.42 - 6.17	Pole	TP71.8057x71.7244x0.9375	54	-85.98	8481.27	36.4	Pass
L55	6.17 - 1.17	Pole	TP73.432x71.8057x0.9125	55	-86.12	8267.50	37.4	Pass
L56	1.17 - 0	Pole	TP73.8125x73.432x0.9	56	-88.89	8342.74	37.7	Pass
							Summary	
						Pole (L45)	75.3	Pass
						RATING =	**75.3**	**Pass**

***NOTE: Above stress ratios for reinforced sections are approximate. More exact calculations are presented in Appendix C.**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 825983 TOWER ID:C_BASELEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

CCIpole
per TIA-222- H

Site BU: 825983
Work Order: 2278130

CROWN CASTLE

Pole Geometry

CN9-327R5 BU_825983 WO_2278130_Unmodified.eri *(last saved 01/16 11:10 am)*

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	185	5	0	12	18	18	0.1875	Auto	A36M-42
2	180	50	5	12	18.00	34.3125	0.25	Auto	A36M-42
3	135	20	0	12	32.18	38.6875	0.25	Auto	A36M-42
4	115	20	6	12	38.69	45.1875	0.3125	Auto	A36M-42
5	101	10	0	12	42.61	45.8125	0.3125	Auto	A36M-42
6	91	40	7	12	45.81	58.875	0.375	Auto	A36M-42
7	58	18	0	12	55.84	61.6875	0.375	Auto	A36M-42
8	40	21	9	12	61.69	68.5	0.4375	Auto	A36M-42
9	28	28	0	12	64.71	73.8125	0.4375	Auto	A36M-42

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12
1	40.42	52.42	plate	CCI-045100_1	3	x				x				x			
2	91.4	121.42	plate	CCI-060100_1	3	x				x				x			
3	121.42	152.5	plate	CCI-045100_2	3		x				x				x		
4	6.42	33	plate	CCI-085125_1	4			x			x			x		x	
5	33	63.75	plate	CCI-060100_2	3				x				x				x
6	63.75	99.42	plate	CCI-060100_2	3			x				x				x	
7	113.75	131	plate	CCI-040075_1	3			x				x				x	
8	151.5	154	plate	CCI-040075_2	3			x				x				x	
9	0	6.42	plate	Titan 73/45_1	6	x		x		x			x	x			x
10																	

Reinforcement Details

	B (in)	H (in)	Gross Area (in^2)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in2)	Bolt Hole Size (in)	Reinforcement Material
1	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.000	3.250	1.1875	A572-65
2	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
3	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	20.000	3.250	1.1875	A572-65
4	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	48	PC 8.8 - M20 (100)	51.000	17.000	9.063	1.1875	A572-65
5	6	1	6	0.5	PC 8.8 - M20 (100)	27	PC 8.8 - M20 (100)	27.000	16.000	4.750	1.1875	A572-65
6	6	1	6	0.5	PC 8.8 - M20 (100)	27	PC 8.8 - M20 (100)	27.000	16.000	4.750	1.1875	A572-65
7	4	0.75	3	0.375	PC 8.8 - M20 (100)	15	PC 8.8 - M20 (100)	18.000	16.000	2.063	1.1875	A572-65
8	4	0.75	3	0.375	PC 8.8 - M20 (100)	15	PC 8.8 - M20 (100)	15.000	16.000	2.063	1.1875	A572-65
9	11.6978	0.34366	4.02007	48.00075	Capacity Input	0	Capacity Input	0.000	0.000	3.500	0.0000	A572-65

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
CCI-045100_1	Top	6	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	6	N	3	3	-	-	-	-	-	-	-	-	-
CCI-060100_1	Top	10	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	10	N	3	3	-	-	-	-	-	-	-	-	-
CCI-045100_2	Top	8	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	8	N	3	3	-	-	-	-	-	-	-	-	-
CCI-085125_1	Top	17	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	16	N	3	3	-	-	-	-	-	-	-	-	-
CCI-060100_2	Top	9	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	9	N	3	3	-	-	-	-	-	-	-	-	-
CCI-040075_1	Top	6	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	5	N	3	3	-	-	-	-	-	-	-	-	-
CCI-040075_2	Top	5	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	5	N	3	3	-	-	-	-	-	-	-	-	-
Titan 73/45_1	Top	0	-	0	0	0	None	-	-	-	-	-	-	285.12
	Bottom	0	-	0	0	0	None	-	-	-	-	-	-	285.12

TNX Geometry Input

Increment (ft): 5 Export to TNX

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	185 - 180	5	0	12	18.000	18.000	0.1875	A36M-42	1.000
2	180 - 175	5		12	18.000	19.631	0.25	A36M-42	1.000
3	175 - 170	5		12	19.631	21.263	0.25	A36M-42	1.000
4	170 - 165	5		12	21.263	22.894	0.25	A36M-42	1.000
5	165 - 160	5		12	22.894	24.525	0.25	A36M-42	1.000
6	160 - 155	5		12	24.525	26.156	0.25	A36M-42	1.000
7	155 - 154	1		12	26.156	26.483	0.25	A36M-42	1.000
8	154 - 153.75	0.25		12	26.483	26.564	0.36875	A36M-42	0.971
9	153.75 - 152.5	1.25		12	26.564	26.972	0.3625	A36M-42	0.983
10	152.5 - 152.25	0.25		12	26.972	27.053	0.55	A36M-42	0.940
11	152.25 - 151.5	0.75		12	27.053	27.298	0.55	A36M-42	0.935
12	151.5 - 151.25	0.25		12	27.298	27.380	0.425	A36M-42	0.959
13	151.25 - 146.25	5		12	27.380	29.011	0.4125	A36M-42	0.965
14	146.25 - 141.25	5		12	29.011	30.642	0.4	A36M-42	0.975
15	141.25 - 136.25	5		12	30.642	32.273	0.39375	A36M-42	0.972
16	136.25 - 135	6.25	5	12	32.273	34.313	0.39375	A36M-42	0.968
17	135 - 129	6		12	32.181	34.133	0.475	A36M-42	0.968
18	129 - 124	5		12	34.133	35.760	0.4625	A36M-42	0.972
19	124 - 121.42	2.58		12	35.760	36.599	0.4625	A36M-42	0.962
20	121.42 - 121.17	0.25		12	36.599	36.680	0.5	A36M-42	0.968
21	121.17 - 116.17	5		12	36.680	38.307	0.4875	A36M-42	0.971
22	116.17 - 115	1.17	0	12	38.307	38.688	0.4875	A36M-42	0.967
23	115 - 113.75	1.25		12	38.688	39.094	0.55	A36M-42	0.968
24	113.75 - 113.5	0.25		12	39.094	39.175	0.46875	A36M-42	0.978
25	113.5 - 108.5	5		12	39.175	40.800	0.4625	A36M-42	0.978
26	108.5 - 103.5	5		12	40.800	42.425	0.45625	A36M-42	0.980
27	103.5 - 101	8.5	6	12	42.425	45.188	0.45	A36M-42	0.987
28	101 - 94	7		12	42.613	44.853	0.5875	A36M-42	0.966
29	94 - 91.4	2.6		12	44.853	45.685	0.575	A36M-42	0.978
30	91.4 - 91.15	0.25		12	45.685	45.765	0.44375	A36M-42	0.985
31	91.15 - 91	0.15	0	12	45.765	45.813	0.44375	A36M-42	0.984
32	91 - 86	5		12	45.813	47.445	0.5	A36M-42	0.990
33	86 - 81	5		12	47.445	49.078	0.5	A36M-42	0.982
34	81 - 76	5		12	49.078	50.711	0.49375	A36M-42	0.987
35	76 - 71	5		12	50.711	52.344	0.4875	A36M-42	0.992
36	71 - 66	5		12	52.344	53.977	0.4875	A36M-42	0.986
37	66 - 63.75	2.25		12	53.977	54.711	0.4875	A36M-42	0.983
38	63.75 - 63.5	0.25		12	54.711	54.793	0.4875	A36M-42	0.982
39	63.5 - 58.5	5		12	54.793	56.426	0.48125	A36M-42	0.989
40	58.5 - 58	7.5	7	12	56.426	58.875	0.48125	A36M-42	0.988
41	58 - 50	8		12	55.839	58.438	0.55	A36M-42	0.992
42	50 - 45	5		12	58.438	60.063	0.55	A36M-42	0.983
43	45 - 40.42	4.58		12	60.063	61.551	0.54375	A36M-42	0.987
44	40.42 - 40.17	0.25		12	61.551	61.632	0.475	A36M-42	0.983
45	40.17 - 40	0.17	0	12	61.632	61.688	0.475	A36M-42	0.983
46	40 - 35	5		12	61.688	63.310	0.53125	A36M-42	0.993
47	35 - 33	2		12	63.310	63.958	0.525	A36M-42	1.003
48	33 - 32.75	0.25		12	63.958	64.039	0.6	A36M-42	1.078
49	32.75 - 28	13.75	9	12	64.039	68.500	0.6	A36M-42	1.070
50	28 - 18	10		12	64.705	67.958	0.6	A36M-42	1.058
51	18 - 13	5		12	67.958	69.584	0.5875	A36M-42	1.072
52	13 - 8	5		12	69.584	71.210	0.5875	A36M-42	1.065
53	8 - 6.42	1.58		12	71.210	71.724	0.5875	A36M-42	1.063
54	6.42 - 6.17	0.25		12	71.724	71.806	0.9375	A36M-42	0.583
55	6.17 - 1.17	5		12	71.806	73.432	0.9125	A36M-42	0.596
56	1.17 - 0	1.17		12	73.432	73.813	0.9	A36M-42	0.604

TNX Section Forces

Increment (ft): 5

	Section Height (ft)	TNX Output P_u (K)	M_{ux} (kip-ft)	V_u (K)
1	185 - 180	4.64	20.81	5.25
2	180 - 175	4.96	48.10	5.67
3	175 - 170	12.48	95.10	14.58
4	170 - 165	12.97	169.15	15.04
5	165 - 160	15.88	258.70	18.17
6	160 - 155	20.35	354.34	22.89
7	155 - 154	20.14	377.56	23.27
8	154 - 153.75	20.19	383.38	23.29
9	153.75 - 152.5	20.39	412.59	23.43
10	152.5 - 152.25	20.45	418.45	23.46
11	152.25 - 151.5	20.61	436.08	23.54
12	151.5 - 151.25	20.66	441.97	23.57
13	151.25 - 146.25	21.58	561.24	24.14
14	146.25 - 141.25	22.54	683.37	24.72
15	141.25 - 136.25	23.54	808.48	25.32
16	136.25 - 135	23.79	840.23	25.48
17	135 - 129	26.02	995.73	26.34
18	129 - 124	27.25	1129.10	27.01
19	124 - 121.42	27.90	1199.23	27.36
20	121.42 - 121.17	27.98	1206.08	27.39
21	121.17 - 116.17	29.33	1344.80	28.10
22	116.17 - 115	29.65	1377.78	28.27
23	115 - 113.75	30.04	1413.23	28.45
24	113.75 - 113.5	30.12	1420.35	28.48
25	113.5 - 108.5	31.50	1564.61	29.22
26	108.5 - 103.5	32.93	1712.57	29.96
27	103.5 - 101	33.66	1787.97	30.35
28	101 - 94	37.69	2004.76	31.58
29	94 - 91.4	38.66	2087.42	32.00
30	91.4 - 91.15	38.74	2095.43	32.03
31	91.15 - 91	38.79	2100.24	32.06
32	91 - 86	40.50	2262.56	32.86
33	86 - 81	42.26	2428.94	33.68
34	81 - 76	44.07	2599.45	34.51
35	76 - 71	45.92	2774.14	35.35
36	71 - 66	47.81	2953.06	36.21
37	66 - 63.75	48.67	3034.98	36.59
38	63.75 - 63.5	48.78	3044.13	36.63
39	63.5 - 58.5	50.72	3229.50	37.50
40	58.5 - 58	50.93	3248.27	37.58
41	58 - 50	56.98	3555.17	39.11
42	50 - 45	59.29	3752.93	39.98
43	45 - 40.42	61.45	3937.91	40.78
44	40.42 - 40.17	61.56	3948.11	40.81
45	40.17 - 40	61.63	3955.05	40.84
46	40 - 35	64.00	4161.49	41.71
47	35 - 33	64.97	4245.27	42.05
48	33 - 32.75	65.12	4255.79	42.08
49	32.75 - 28	67.90	4457.65	42.88
50	28 - 18	78.82	4895.82	44.71
51	18 - 13	81.88	5121.30	45.46
52	13 - 8	84.98	5350.59	46.23
53	8 - 6.42	85.97	5423.85	46.49
54	6.42 - 6.17	86.11	5435.48	46.51
55	6.17 - 1.17	88.88	5670.21	47.35
56	1.17 - 0	89.54	5725.75	47.55

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
185 - 180	Pole	TP18x18x0.1875	Pole	11.9%	Pass
180 - 175	Pole	TP19.631x18x0.25	Pole	16.5%	Pass
175 - 170	Pole	TP21.263x19.631x0.25	Pole	28.7%	Pass
170 - 165	Pole	TP22.894x21.263x0.25	Pole	42.5%	Pass
165 - 160	Pole	TP24.525x22.894x0.25	Pole	56.2%	Pass
160 - 155	Pole	TP26.156x24.525x0.25	Pole	68.1%	Pass
155 - 154	Pole	TP26.483x26.156x0.25	Pole	70.9%	Pass
154 - 153.75	Pole + Reinf.	TP26.564x26.483x0.3688	Reinf. 8 Tension Rupture	55.2%	Pass
153.75 - 152.5	Pole + Reinf.	TP26.972x26.564x0.3625	Reinf. 8 Tension Rupture	57.7%	Pass
152.5 - 152.25	Pole + Reinf.	TP27.053x26.972x0.55	Reinf. 8 Tension Rupture	39.6%	Pass
152.25 - 151.5	Pole + Reinf.	TP27.298x27.053x0.55	Reinf. 8 Tension Rupture	40.7%	Pass
151.5 - 151.25	Pole + Reinf.	TP27.38x27.298x0.425	Reinf. 3 Tension Rupture	49.8%	Pass
151.25 - 146.25	Pole + Reinf.	TP29.011x27.38x0.4125	Reinf. 3 Tension Rupture	57.3%	Pass
146.25 - 141.25	Pole + Reinf.	TP30.642x29.011x0.4	Reinf. 3 Tension Rupture	63.7%	Pass
141.25 - 136.25	Pole + Reinf.	TP32.273x30.642x0.3938	Reinf. 3 Tension Rupture	69.0%	Pass
136.25 - 135	Pole + Reinf.	TP34.313x32.273x0.3938	Reinf. 3 Tension Rupture	70.2%	Pass
135 - 129	Pole + Reinf.	TP34.133x32.181x0.475	Reinf. 7 Tension Rupture	65.7%	Pass
129 - 124	Pole + Reinf.	TP35.76x34.133x0.4625	Reinf. 7 Tension Rupture	69.3%	Pass
124 - 121.42	Pole + Reinf.	TP36.599x35.76x0.4625	Pole	71.4%	Pass
121.42 - 121.17	Pole + Reinf.	TP36.68x36.599x0.5	Pole	65.6%	Pass
121.17 - 116.17	Pole + Reinf.	TP38.307x36.68x0.4875	Pole	70.0%	Pass
116.17 - 115	Pole + Reinf.	TP38.688x38.307x0.4875	Pole	71.0%	Pass
115 - 113.75	Pole + Reinf.	TP39.094x38.688x0.55	Reinf. 7 Tension Rupture	61.4%	Pass
113.75 - 113.5	Pole + Reinf.	TP39.175x39.094x0.4688	Pole	67.3%	Pass
113.5 - 108.5	Pole + Reinf.	TP40.8x39.175x0.4625	Pole	70.4%	Pass
108.5 - 103.5	Pole + Reinf.	TP42.425x40.8x0.4563	Pole	73.3%	Pass
103.5 - 101	Pole + Reinf.	TP45.188x42.425x0.45	Pole	74.7%	Pass
101 - 94	Pole + Reinf.	TP44.853x42.613x0.5875	Pole	61.8%	Pass
94 - 91.4	Pole + Reinf.	TP45.685x44.853x0.575	Pole	63.1%	Pass
91.4 - 91.15	Pole + Reinf.	TP45.765x45.685x0.4438	Pole	81.6%	Pass
91.15 - 91	Pole + Reinf.	TP45.813x45.765x0.4438	Pole	81.7%	Pass
91 - 86	Pole + Reinf.	TP47.445x45.813x0.5	Pole	68.3%	Pass
86 - 81	Pole + Reinf.	TP49.078x47.445x0.5	Pole	70.0%	Pass
81 - 76	Pole + Reinf.	TP50.711x49.078x0.4938	Pole	71.7%	Pass
76 - 71	Pole + Reinf.	TP52.344x50.711x0.4875	Pole	73.3%	Pass
71 - 66	Pole + Reinf.	TP53.977x52.344x0.4875	Pole	74.9%	Pass
66 - 63.75	Pole + Reinf.	TP54.711x53.977x0.4875	Pole	75.7%	Pass
63.75 - 63.5	Pole + Reinf.	TP54.793x54.711x0.4875	Pole	75.8%	Pass
63.5 - 58.5	Pole + Reinf.	TP56.426x54.793x0.4813	Pole	77.4%	Pass
58.5 - 58	Pole + Reinf.	TP58.875x56.426x0.4813	Pole	77.5%	Pass
58 - 50	Pole + Reinf.	TP58.438x55.839x0.55	Pole	70.4%	Pass
50 - 45	Pole + Reinf.	TP60.063x58.438x0.55	Pole	72.0%	Pass
45 - 40.42	Pole + Reinf.	TP61.551x60.063x0.5438	Pole	73.5%	Pass
40.42 - 40.17	Pole + Reinf.	TP61.632x61.551x0.475	Pole	84.6%	Pass
40.17 - 40	Pole + Reinf.	TP61.688x61.632x0.475	Pole	84.7%	Pass
40 - 35	Pole + Reinf.	TP63.31x61.688x0.5313	Pole	70.4%	Pass
35 - 33	Pole + Reinf.	TP63.958x63.31x0.525	Pole	70.8%	Pass
33 - 32.75	Pole + Reinf.	TP64.039x63.958x0.6	Pole	63.9%	Pass
32.75 - 28	Pole + Reinf.	TP68.5x64.039x0.6	Pole	64.9%	Pass
28 - 18	Pole + Reinf.	TP67.958x64.705x0.6	Pole	68.3%	Pass
18 - 13	Pole + Reinf.	TP69.584x67.958x0.5875	Pole	69.4%	Pass
13 - 8	Pole + Reinf.	TP71.21x69.584x0.5875	Pole	70.5%	Pass
8 - 6.42	Pole + Reinf.	TP71.724x71.21x0.5875	Pole	70.9%	Pass
6.42 - 6.17	Pole + Reinf.	TP71.806x71.724x0.9375	Reinf. 9 Tension Rupture	76.3%	Pass
6.17 - 1.17	Pole + Reinf.	TP73.432x71.806x0.9125	Reinf. 9 Tension Rupture	77.0%	Pass
1.17 - 0	Pole + Reinf.	TP73.813x73.432x0.9	Reinf. 9 Tension Rupture	77.2%	Pass
				Summary	
			Pole	84.7%	Pass
			Reinforcement	77.2%	Pass
			Overall	84.7%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in^4)			Area (in^2)			% Capacity*									
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8	R9
185 - 180	436	n/a	436	10.74	n/a	10.74	11.9%									
180 - 175	749	n/a	749	15.58	n/a	15.58	16.5%									
175 - 170	955	n/a	955	16.89	n/a	16.89	28.7%									
170 - 165	1195	n/a	1195	18.20	n/a	18.20	42.5%									
165 - 160	1472	n/a	1472	19.51	n/a	19.51	56.2%									
160 - 155	1789	n/a	1789	20.82	n/a	20.82	68.1%									
155 - 154	1857	n/a	1857	21.09	n/a	21.09	70.9%									
154 - 153.75	1875	846	2720	21.15	9.00	30.15	47.3%								55.2%	
153.75 - 152.5	1963	871	2834	21.48	9.00	30.48	49.7%								57.7%	
152.5 - 152.25	1981	2216	4197	21.55	22.50	44.05	34.1%			38.0%					39.6%	
152.25 - 151.5	2036	2255	4291	21.74	22.50	44.24	35.1%			39.1%					40.7%	
151.5 - 151.25	2054	1371	3426	21.81	13.50	35.31	44.8%			49.8%						
151.25 - 146.25	2448	1532	3980	23.12	13.50	36.62	52.7%			57.3%						
146.25 - 141.25	2888	1702	4590	24.43	13.50	37.93	59.7%			63.7%						
141.25 - 136.25	3379	1880	5259	25.74	13.50	39.24	66.1%			69.0%						
136.25 - 135	3510	1926	5436	26.07	13.50	39.57	67.6%			70.2%						
135 - 129	4002	3470	7472	27.24	22.50	49.74	61.9%			63.0%				65.7%		
129 - 124	4607	3798	8405	28.54	22.50	51.04	66.6%			66.5%				69.3%		
124 - 121.42	4941	3973	8914	29.22	22.50	51.72	71.4%			68.1%				71.0%		
121.42 - 121.17	4975	4805	9779	29.28	27.00	56.28	65.6%		57.1%					65.1%		
121.17 - 116.17	5671	5226	10897	30.59	27.00	57.59	70.0%		59.6%					68.0%		
116.17 - 115	5843	5328	11171	30.90	27.00	57.90	71.0%		60.1%					68.6%		
115 - 113.75	7501	5437	12938	38.97	27.00	65.97	55.9%		53.8%					61.4%		
113.75 - 113.5	7549	3659	11208	39.05	18.00	57.05	67.3%		62.6%							
113.5 - 108.5	8536	3959	12495	40.68	18.00	58.68	70.4%		64.3%							
108.5 - 103.5	9605	4271	13876	42.32	18.00	60.32	73.3%		65.8%							
103.5 - 101	10172	4431	14603	43.13	18.00	61.13	74.7%		66.5%							
101 - 94	11364	9517	20880	44.75	36.00	80.75	61.8%		54.0%				54.0%			
94 - 91.4	12013	9863	21876	45.59	36.00	81.59	63.1%		54.7%				54.7%			
91.4 - 91.15	12076	4948	17025	45.67	18.00	63.67	81.6%						70.8%			
91.15 - 91	12115	4958	17073	45.72	18.00	63.72	81.7%						70.8%			
91 - 86	16095	5308	21404	56.76	18.00	74.76	68.3%						63.0%			
86 - 81	17829	5670	23499	58.72	18.00	76.72	70.0%						63.6%			
81 - 76	19683	6044	25727	60.69	18.00	78.69	71.7%						64.3%			
76 - 71	21661	6430	28091	62.66	18.00	80.66	73.3%						64.8%			
71 - 66	23768	6828	30596	64.63	18.00	82.63	74.9%						65.3%			
66 - 63.75	24758	7011	31770	65.52	18.00	83.52	75.7%						65.5%			
63.75 - 63.5	24870	7032	31902	65.62	18.00	83.62	75.8%					65.5%				
63.5 - 58.5	27177	7448	34624	67.58	18.00	85.58	77.4%					65.9%				
58.5 - 58	27415	7490	34905	67.78	18.00	85.78	77.5%					66.0%				
58 - 50	30211	13951	44161	70.01	31.50	101.51	70.4%	64.5%				58.9%				
50 - 45	32818	14721	47539	71.97	31.50	103.47	72.0%	65.0%				59.4%				
45 - 40.42	35334	15446	50780	73.76	31.50	105.26	73.5%	65.4%				59.8%				
40.42 - 40.17	35475	8854	44329	73.86	18.00	91.86	84.6%					68.8%				
40.17 - 40	35571	8870	44441	73.93	18.00	91.93	84.7%					68.8%				
40 - 35	44748	9333	54081	88.44	18.00	106.44	70.4%					61.0%				
35 - 33	46148	9522	55669	89.36	18.00	107.36	70.8%					61.1%				
33 - 32.75	46436	17211	63646	89.47	42.50	131.97	63.9%				47.8%					
32.75 - 28	49889	18029	67918	91.64	42.50	134.14	64.9%				48.0%					
28 - 18	55547	19329	74876	94.98	42.50	137.48	68.3%				49.7%					
18 - 13	59654	20245	79898	97.27	42.50	139.77	69.4%				50.0%					
13 - 8	63958	21182	85140	99.56	42.50	142.06	70.5%				50.2%					
8 - 6.42	65360	21482	86842	100.28	42.50	142.78	70.9%				50.2%					
6.42 - 6.17	65549	70691	136240	100.40	24.12	124.52	45.2%									76.3%
6.17 - 1.17	70127	72068	142195	102.68	24.12	126.80	46.7%									77.0%
1.17 - 0	71228	72392	143620	103.22	24.12	127.34	47.0%									77.2%

Note: Section capacity checked using 5 degree increments.
Rating per TIA-222-H Section 15.5.

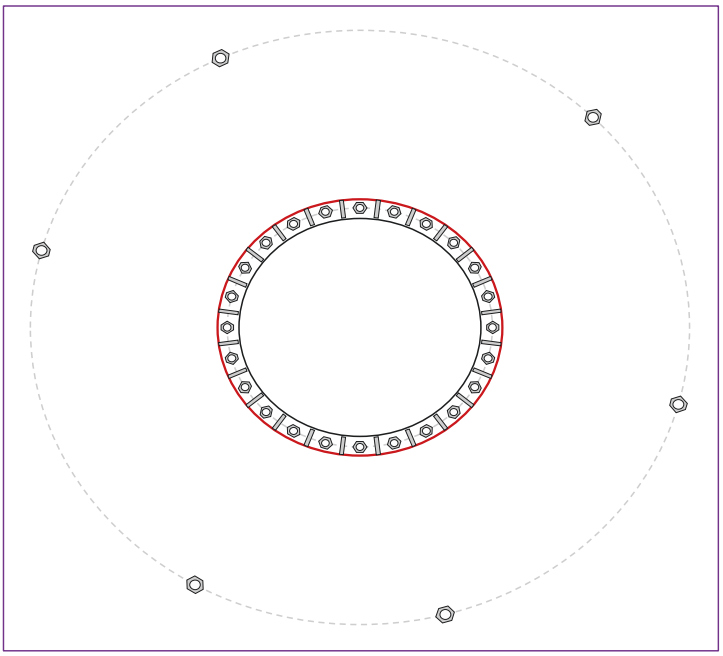
Monopole Base Plate Connection

Site Info	
BU #	825983
Site Name	Middletown_1
Order #	654591 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	See Custom Sheet
l_{ar} (in)	See Custom Sheet

Applied Loads	
Moment (kip-ft)	5720.51
Axial Force (kips)	89.54
Shear Force (kips)	47.54

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (24) 2" ø bolts (A36 N; Fy=36 ksi, Fu=58 ksi) on 68" BC

GROUP 2: (6) 2-3/4" ø bolts (Titan 73/45 N; Fy=90.51429 ksi, Fu=108.6171 ksi) on 169" E

pos. (deg): 45, 115, 165, 240, 285, 345

Base Plate Data

62" ID x 2" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Stiffener Data

(24) 18"H x 5"W x 1"T, Notch: 1"

plate: Fy= 50 ksi ; weld: Fy= 70 ksi

horiz. weld: 0.75" fillet

vert. weld: 0.375" fillet

Pole Data

73.8125" x 0.4375" 12-sided pole (A36M-42; Fy=42 ksi, Fu=60 ksi)

Analysis Results

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

GROUP 1:			
	Pu_c = 60.48	ϕPn_c = 101.79	**Stress Rating**
	Vu = 1.98	ϕVn = 45.8	**56.8%**
	Mu = n/a	ϕMn = n/a	**Pass**
GROUP 2:			
	Pu_c = 195.12	ϕPn_c = 285.12	**Stress Rating**
	Vu = 0	ϕVn = 128.3	**65.2%**
	Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	12.23	(Roark's Flexural)
Allowable Stress (ksi):	32.4	
Stress Rating:	**36.0%**	**Pass**

Stiffener Summary

Horizontal Weld:	**19.2%**	**Pass**
Vertical Weld:	**9.7%**	**Pass**
Plate Flexure+Shear:	**1.8%**	**Pass**
Plate Tension+Shear:	**14.1%**	**Pass**
Plate Compression:	**12.7%**	**Pass**

Pole Summary

Punching Shear:	**3.1%**	**Pass**

CCIplate

Elevation (ft)	0	*(Base)*

note: Bending interaction not considered when Grout Considered = "Yes"

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending	Grout Considered	Apply at BARB Elevation	BARB CL Elevation (ft)
1	Yes	Yes	Yes	No	No	
2	No	No	No	No	No	

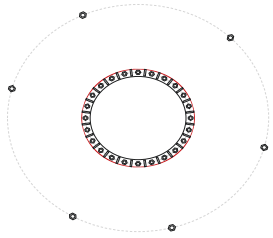
Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, n:	l_{sr} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	2	A36	68	0.5	1.75	N-Included		No
2	1	15	2	A36	68	0.5	1.75	N-Included		No
3	1	30	2	A36	68	0.5	1.75	N-Included		No
4	1	45	2	A36	68	0.5	1.75	N-Included		No
5	1	60	2	A36	68	0.5	1.75	N-Included		No
6	1	75	2	A36	68	0.5	1.75	N-Included		No
7	1	90	2	A36	68	0.5	1.75	N-Included		No
8	1	105	2	A36	68	0.5	1.75	N-Included		No
9	1	120	2	A36	68	0.5	1.75	N-Included		No
10	1	135	2	A36	68	0.5	1.75	N-Included		No
11	1	150	2	A36	68	0.5	1.75	N-Included		No
12	1	165	2	A36	68	0.5	1.75	N-Included		No
13	1	180	2	A36	68	0.5	1.75	N-Included		No
14	1	195	2	A36	68	0.5	1.75	N-Included		No
15	1	210	2	A36	68	0.5	1.75	N-Included		No
16	1	225	2	A36	68	0.5	1.75	N-Included		No
17	1	240	2	A36	68	0.5	1.75	N-Included		No
18	1	255	2	A36	68	0.5	1.75	N-Included		No
19	1	270	2	A36	68	0.5	1.75	N-Included		No
20	1	285	2	A36	68	0.5	1.75	N-Included		No
21	1	300	2	A36	68	0.5	1.75	N-Included		No
22	1	315	2	A36	68	0.5	1.75	N-Included		No
23	1	330	2	A36	68	0.5	1.75	N-Included		No
24	1	345	2	A36	68	0.5	1.75	N-Included		No
25	2	45	2.75	Titan 73/45	169	0.5	0	N-Included	3.5	No
26	2	115	2.75	Titan 73/45	169	0.5	0	N-Included	3.5	No
27	2	165	2.75	Titan 73/45	169	0.5	0	N-Included	3.5	No
28	2	240	2.75	Titan 73/45	169	0.5	0	N-Included	3.5	No
29	2	285	2.75	Titan 73/45	169	0.5	0	N-Included	3.5	No
30	2	345	2.75	Titan 73/45	169	0.5	0	N-Included	3.5	No

Custom Stiffener Connection

Stiffener	Stiffener Group ID	Location (deg.)	Width (in)	Height (in)	Thickness (in)	H. Notch (in)	V. Notch (in)	Grade (ksi)	Weld Type	Groove Depth (in)	Groove Angle (deg.)	H. Fillet Weld Size (in)	V. Fillet Weld Size (in)	Weld Strength (ksi)
1	1	7.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
2	1	22.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
3	1	37.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
4	1	52.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
5	1	67.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
6	1	82.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
7	1	97.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
8	1	112.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
9	1	127.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
10	1	142.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
11	1	157.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
12	1	172.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
13	1	187.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
14	1	202.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
15	1	217.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
16	1	232.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
17	1	247.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
18	1	262.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
19	1	277.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
20	1	292.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
21	1	307.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
22	1	322.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
23	1	337.5	5	18	1	1	1	50	Fillet			0.75	0.375	70
24	1	352.5	5	18	1	1	1	50	Fillet			0.75	0.375	70

Plot Graphic



Pier and Pad Foundation

BU # :	825983
Site Name:	Middletown_1
App. Number:	654591 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

Top & Bot. Pad Rein. Different?:	☐
Block Foundation?:	☐
Rectangular Pad?:	☐

Superstructure Analysis Reactions		
Compression, P_{comp}:	89.54	kips
Base Shear, Vu_comp:	47.53	kips
Moment, M_u:	5720.51	ft-kips
Tower Height, **H**:	185	ft
BP Dist. Above Fdn, bp_{dist}:	4	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	7.5	ft
Ext. Above Grade, **E**:	0.25	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	65	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	8	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	10.5	ft
Pad Width, W_1:	25	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	8	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	35	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties		
Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	4	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties		
Total Soil Unit Weight, γ:	120	pcf
Ultimate Net Bearing, Qnet:	6.600	ksf
Cohesion, **Cu**:	1.000	ksf
Friction Angle, φ:	0	degrees
SPT Blow Count, N_{blows}:	13	
Base Friction, μ:	0.3	
Neglected Depth, **N**:	3.80	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	16	ft

Seismic Design Category:	B

<--Toggle between Gross and Net

Foundation Analysis Checks				
	Capacity	**Demand**	**Rating***	**Check**
Lateral (Sliding) (kips)	417.30	47.53	**10.8%**	**Pass**
Bearing Pressure (ksf)	5.90	3.44	**58.4%**	**Pass**
*Overturning (kip*ft)*	8360.03	6247.30	**74.7%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	8837.09	6088.87	**65.6%**	**Pass**
Pier Compression (kip)	28118.83	151.17	**0.5%**	**Pass**
*Pad Flexure (kip*ft)*	3818.20	2259.96	**56.4%**	**Pass**
Pad Shear - 1-way (kips)	896.51	355.04	**37.7%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.058	**28.9%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	5013.71	3653.32	**69.4%**	**Pass**

**Rating per TIA-222-H Section 15.5*

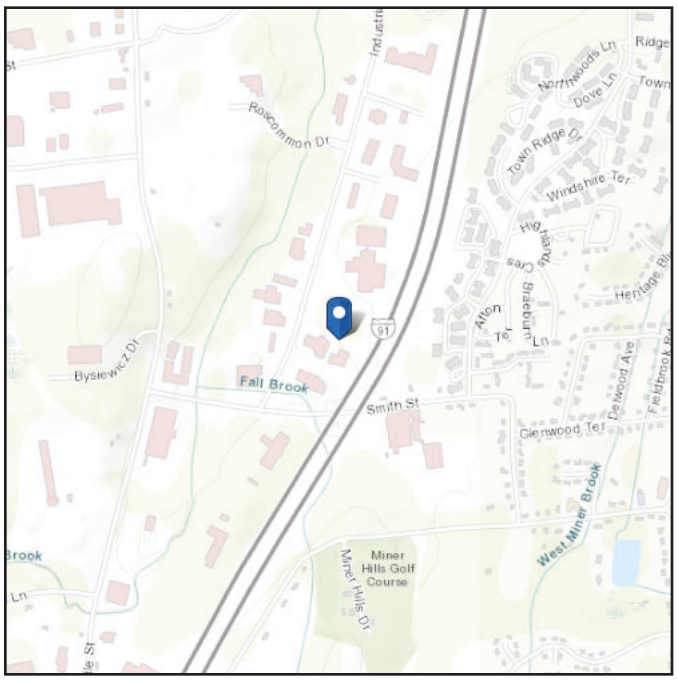
Structural Rating*:	**69.4%**
Soil Rating*:	**74.7%**

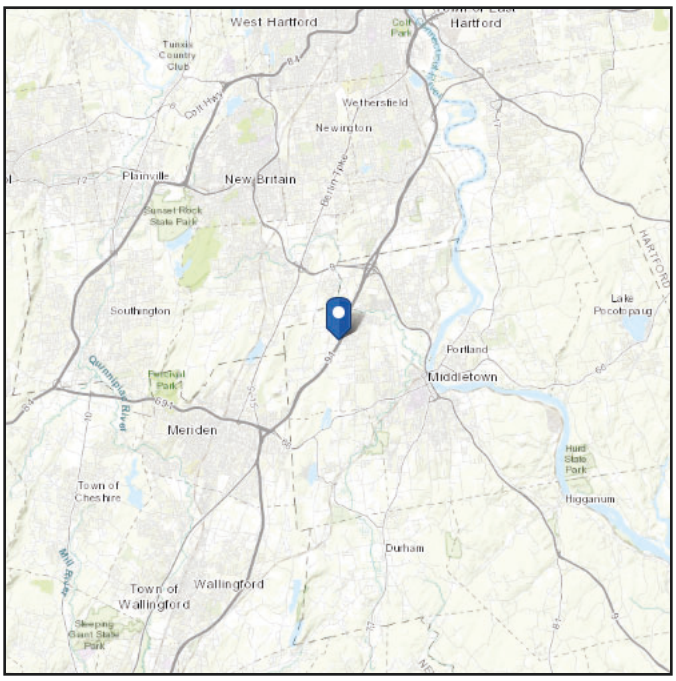
Version 5.0.2

ASCE Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Latitude:**	41.585639
Risk Category:	II	**Longitude:**	-72.714025
Soil Class:	D - Default (see Section 11.4.3)	**Elevation:**	88.5225434495192 ft (NAVD 88)





Wind

Results:

Wind Speed	119 Vmph	Considered 120 Vmph as per local Jurisdiction requirement
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 15 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

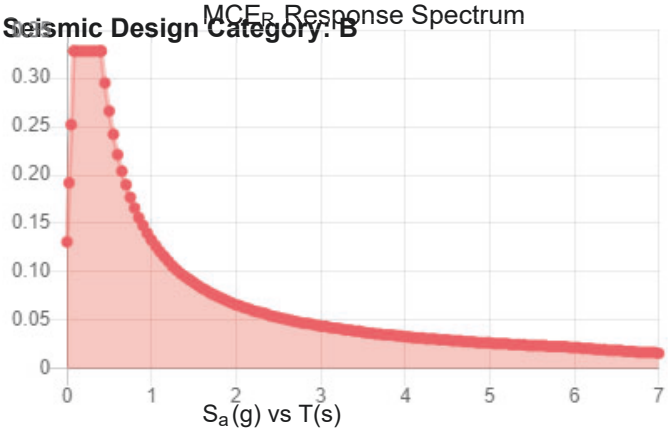
Site Soil Class: D - Default (see Section 11.4.3)

Results:

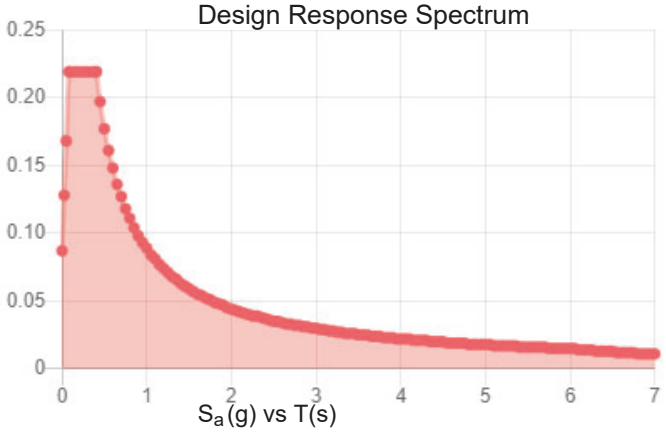
S_S :	0.205	S_{D1} :	0.089
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.113
F_v :	2.4	PGA_M :	0.178
S_{MS} :	0.328	F_{PGA} :	1.573
S_{M1} :	0.133	I_e :	1
S_{DS} :	0.219	C_v :	0.71

Seismic Design Category: B

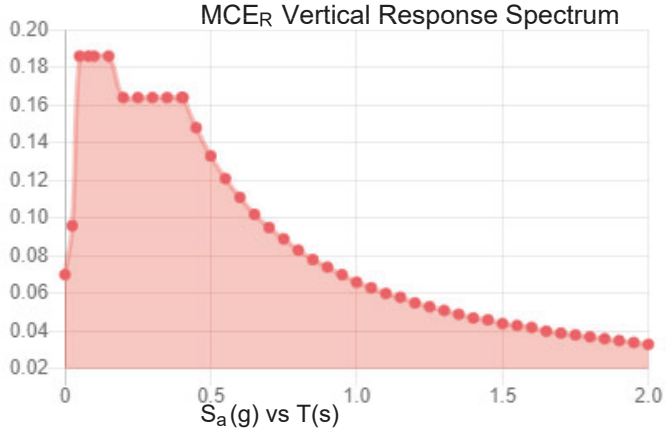
MCE_R Response Spectrum



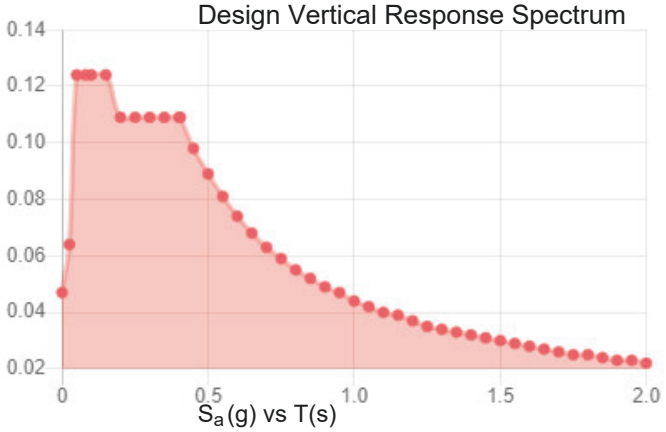
Design Response Spectrum



MCE_R Vertical Response Spectrum



Design Vertical Response Spectrum



Data Accessed: **Mon Jan 15 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:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Mon Jan 15 2024

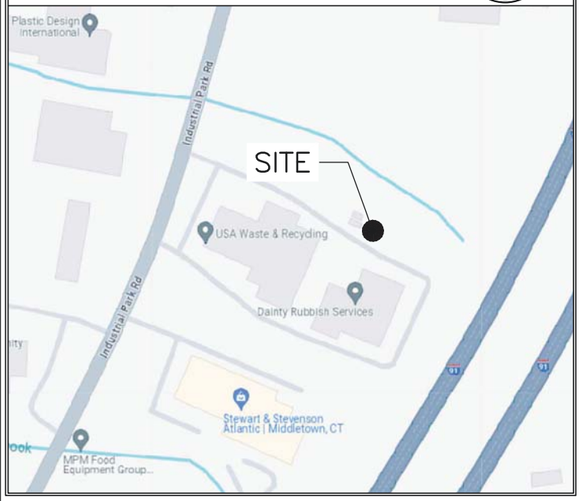
Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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 16, 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.

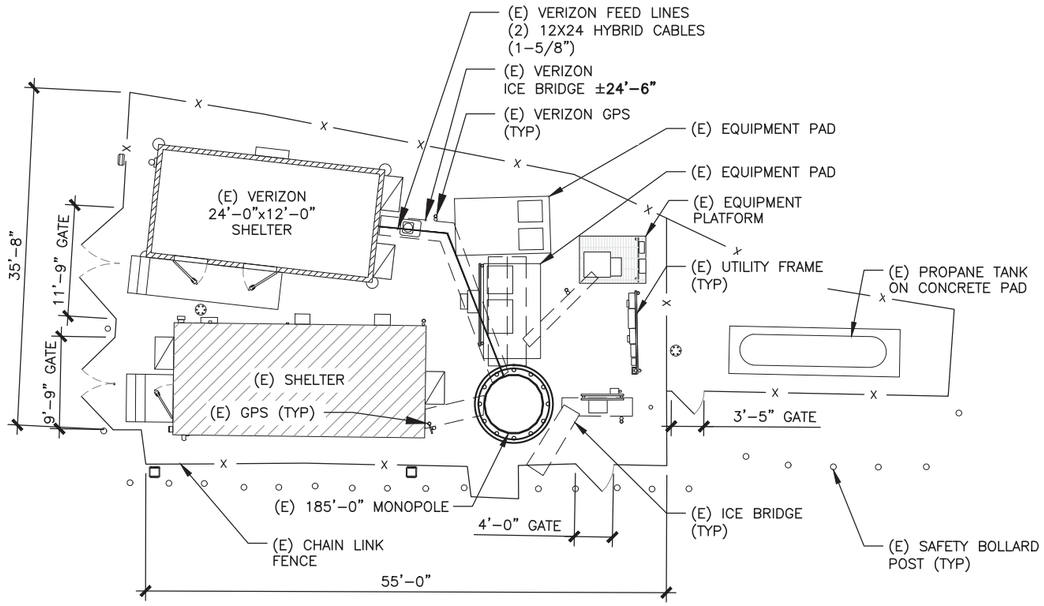
LOCATION MAP
N.T.S



APPROXIMATE COORDINATES:	LATITUDE:	41° 35' 8.30" N	41.585639° N
	LONGITUDE:	72° 42' 50.49" W	72.714025° W

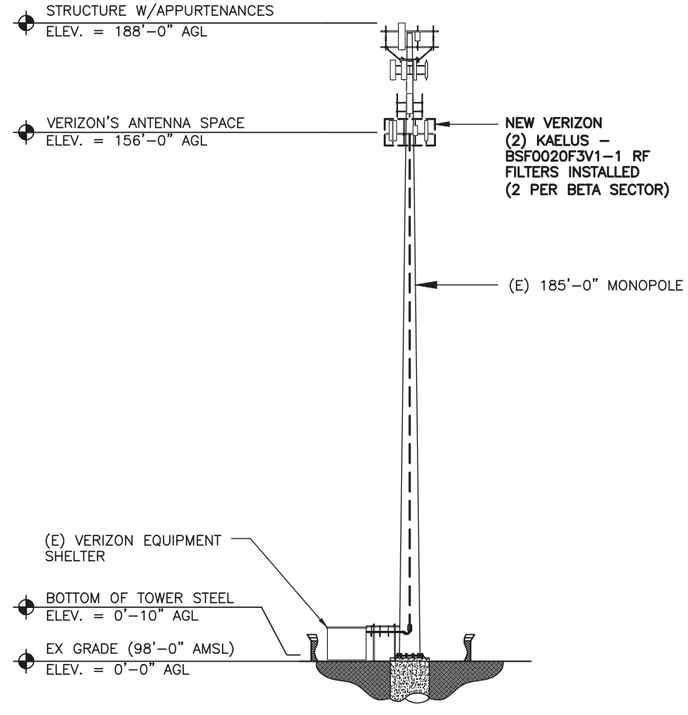
N

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

MIDDLETOWN
NW CT

90 INDUSTRIAL PARK ROAD
MIDDLETOWN, CT 06457

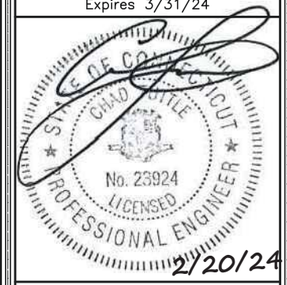
EXISTING MONOPOLE

PROJECT NO:	136918.012.01
CHECKED BY:	LR

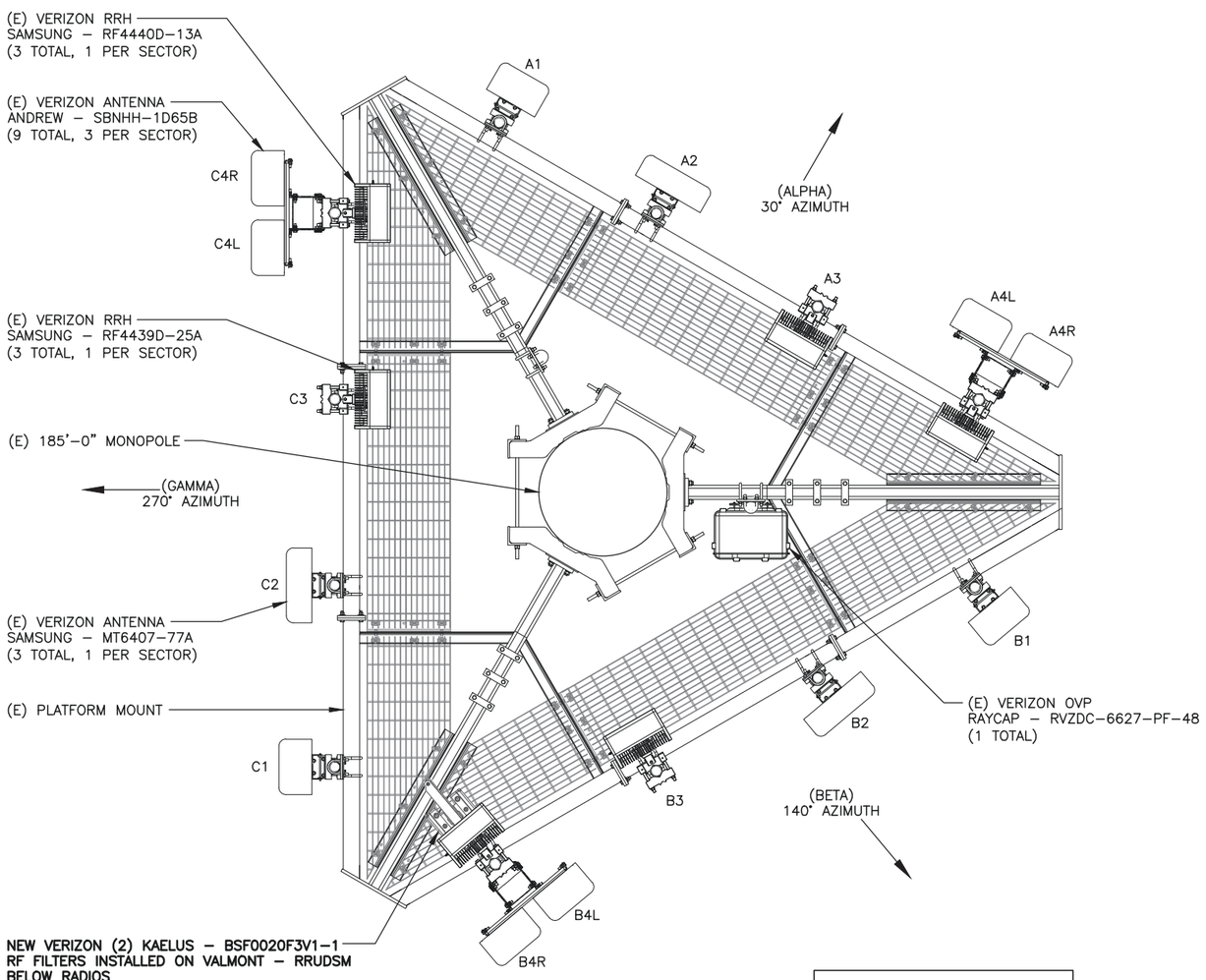
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
0	2/20/24	RMC	ISSUED FOR REVIEW

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



SHEET NUMBER:	REVISION:
LE-1	0



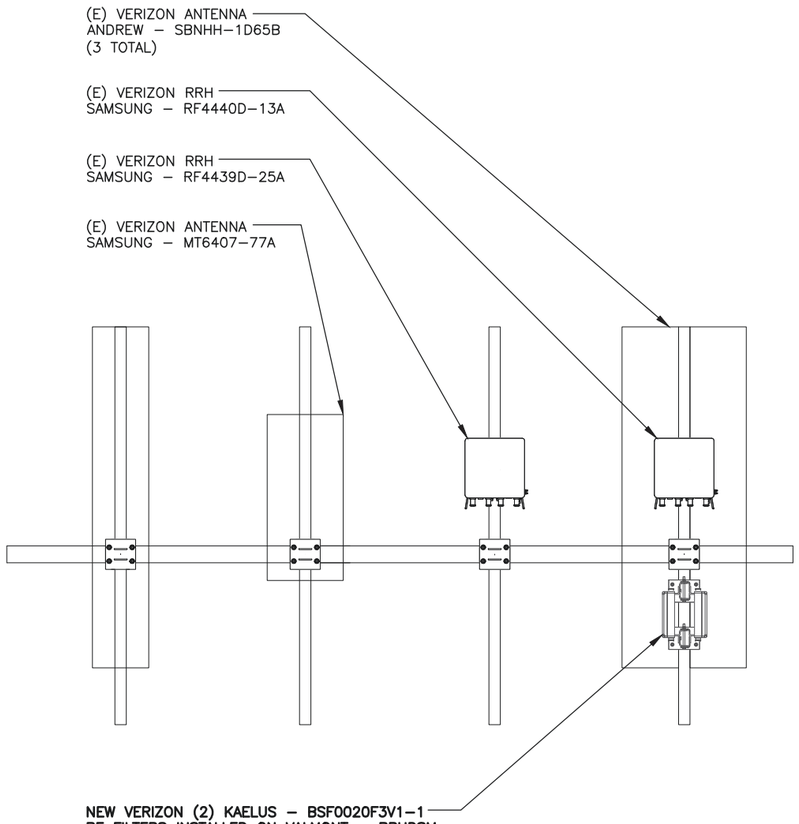
NOTE:

ANTENNA POSITIONS LABELED PER MOUNT ANALYSIS

1 NEW RF FILTER PLAN

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

N



NOTE:

ELEVATION VIEW FROM BEHIND ANTENNAS

2 NEW RF FILTER ELEVATION

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

verizon

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

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MIDDLETOWN NW CT

90 INDUSTRIAL PARK ROAD
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EXISTING MONOPOLE

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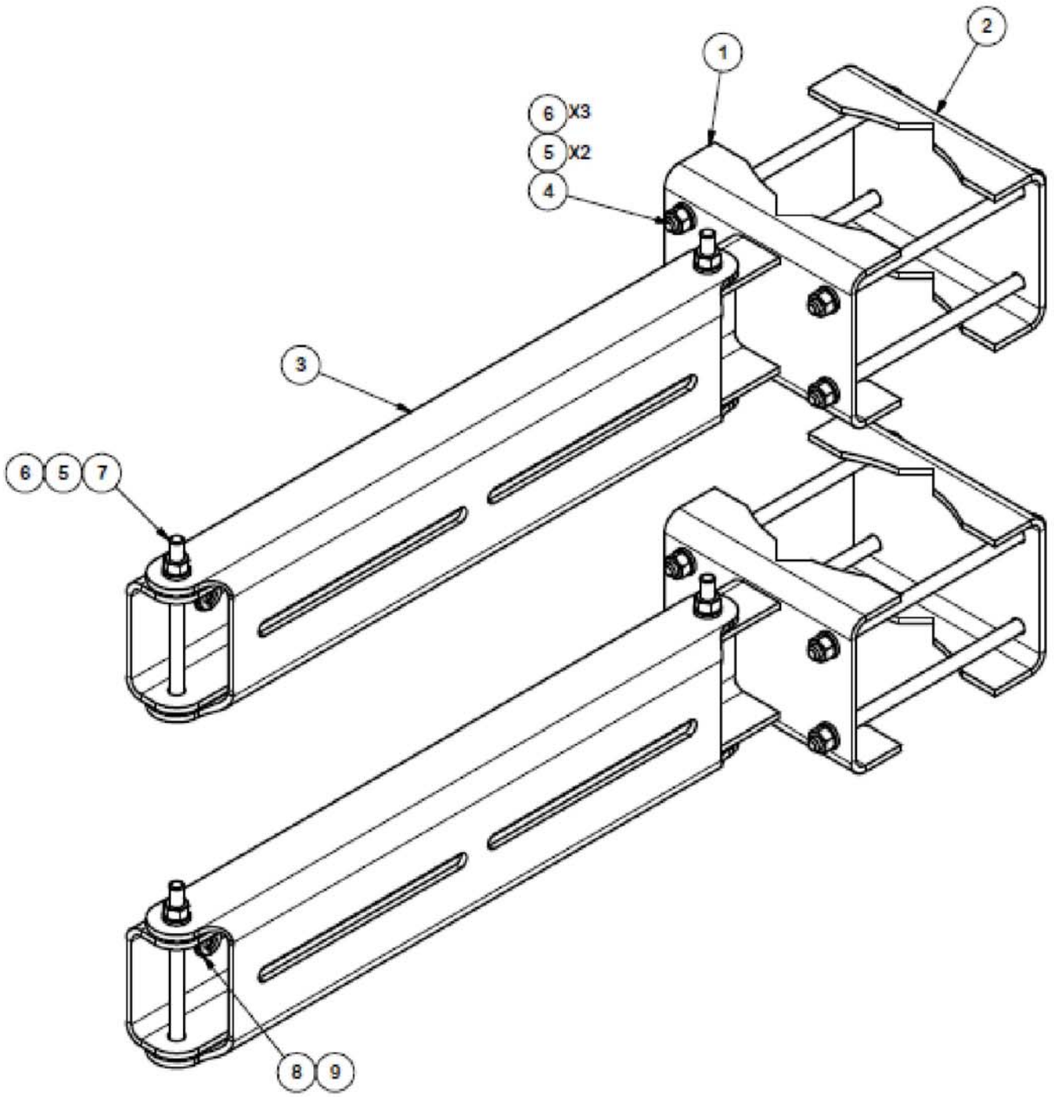
ISSUED FOR:

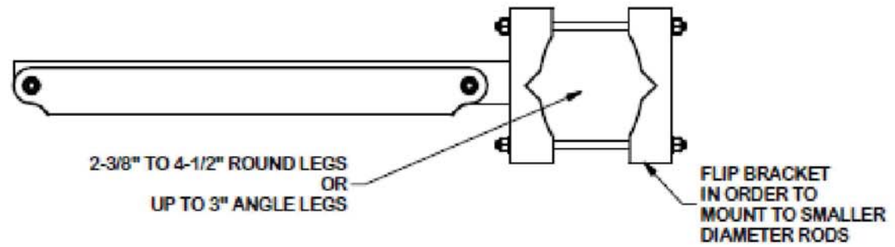
REV	DATE	DRWN	DESCRIPTION
0	2/20/24	RMC	ISSUED FOR REVIEW

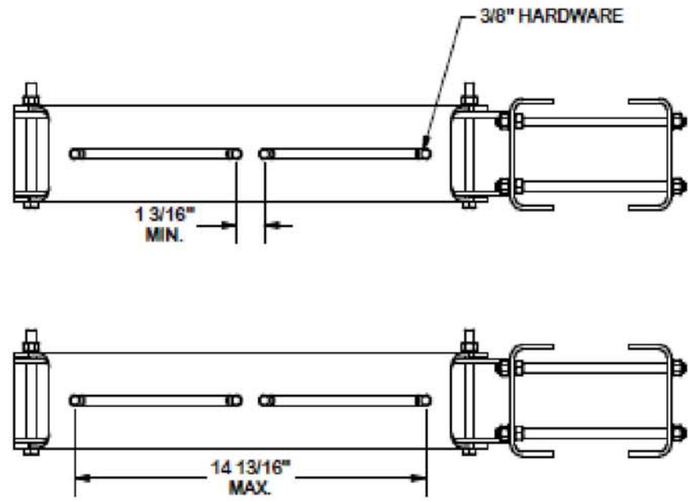
MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

SHEET NUMBER:	REVISION:
LE-2	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 *(± 0.030")*
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

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
	CEK 1/12/2015		RRUDSM	1 OF 1

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	01	SHOP	BMC 2/3/2015	RRUDSM