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

August 22, 2023

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

RE **Notice of Exempt Modification for Verizon**
Crown #841290_Crown_VZW
363 Riversville Road, Greenwich, CT 06831
Latitude: 41.066322 / Longitude: -73.671516

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 363 Riversville Road, Greenwich, CT 06831. The property is owned by Greenwich Council of Boy Scouts Inc. and the tower is owned by Crown Castle. Verizon now intends to add one (1) interference mitigation filter to be installed at the 141-foot level of the tower of the 160-foot monopole. This modification may include B2, B5, B17, B14, B29, B30, B66 & n77 hardware that is 4G(LTE) and/or 5GNR capable through remote software configuration and either or both services may be turned on or off at various times.

Panned Modification:

Tower:

Installed New:
(1) Kaelus BSF0020F3V1-1 Twin Bandstop 900MHZ Interference Mitigation Filter

The facility was approved by the Connecticut Siting Council, Docket #050, on July 9, 1985. Please see attached.

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 First Selectman Fred Camillo and Planning Director Patrick LaRow for the municipality. A copy is also being sent to Greenwich Council of Boy Scouts Inc. as the property owner and Crown Castle is the tower owner. The proposed modifications will not result in an increase in the height of the existing tower.

1. The proposed modifications will not require the extension of the site boundary.
2. 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.
3. 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.

4. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
5. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, Verizon 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: Domenica Tatasciore.

Sincerely,

Domenica Tatasciore
Site Acquisition Specialist
1800 W. Park Drive
Westborough, MA 01581
(508) 621-9161/ Domenica.Tatasciore@crowncastle.com

Attachments

cc:

First Selectman Fred Camillo
Town of Greenwich
101 Field Point Road, 1st Floor
Greenwich, CT 06830
203-622-7710

Planning Director Patrick LaRow
Town of Greenwich
101 Field Point Road, 2nd Floor
Greenwich, CT 06830
203-622-7894

Greenwich Council of Boy Scouts Inc., Property Owner
63 Mason Street
Greenwich, CT 06830
203-869-8424

Crown Castle, Tower Owner

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 773096768327: Your package has been delivered
Date: Tuesday, August 22, 2023 10:14:18 AM

FedEx

Hi. Your package was delivered Tue, 08/22/2023 at 10:06am.

Delivered to 101 FIELD POINT RD, GREENWICH, CT 06830
Received by A.BARBRA

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 773096768327

FROM Crown Castle
1800 West Park Drive

	Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Greenwich First Selectman Fred Camillo 101 Field Point Road 1st Floor GREENWICH, CT, US, 06830
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 8/21/2023 05:53 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	GREENWICH, CT, US, 06830
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

Wondering when a package will arrive?

Enter your tracking number to see your estimated delivery time within a 4-hour window.

TRACK A PACKAGE

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 773096781622: Your package has been delivered
Date: Tuesday, August 22, 2023 10:12:11 AM

FedEx

Hi. Your package was delivered Tue, 08/22/2023 at 10:03am.

Delivered to 101 FIELD POINT RD, GREENWICH, CT 06830
Received by A.JURY

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 773096781622

FROM Crown Castle
1800 West Park Drive

	Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Greenwich Planning Director Patrick LaRow 101 Field Point Road 2nd Floor GREENWICH, CT, US, 06830
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 8/21/2023 05:53 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	GREENWICH, CT, US, 06830
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 773096795630: Your package has been delivered
Date: Tuesday, August 22, 2023 10:12:12 AM

FedEx

Hi. Your package was delivered Tue, 08/22/2023 at 10:05am.

Delivered to 63 MASON ST, GREENWICH, CT 06830
Received by T.PANKOWSKI

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 773096795630

FROM Crown Castle
1800 West Park Drive

	Suite 200 WESTBOROUGH, MA, US, 01581
TO	Greenwich Council of Boy Scouts Inc 63 Mason Street GREENWICH, CT, US, 06830
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 8/21/2023 05:53 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	GREENWICH, CT, US, 06830
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

Wondering when a package will arrive?

Enter your tracking number to see your estimated delivery time within a 4-hour window.

TRACK A PACKAGE

DOCKET NO. 50

AN APPLICATION SUBMITTED BY THE NEW YORK SMSA LIMITED PARTNERSHIP FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE, AND OPERATION OF A FACILITY IN THE TOWN OF GREENWICH, CONNECTICUT, TO PROVIDE CELLULAR SERVICE.	:	CONNECTICUT SITING COUNCIL
	:	July 9, 1985

D E C I S I O N A N D O R D E R

Pursuant to the foregoing Opinion, the Council hereby orders that a Certificate of Environmental Compatibility and Public Need as required by section 16-50k of the General Statutes of Connecticut be issued to New York SMSA Limited Partnership (the Partnership) for the construction, operation, and maintenance of a telecommunication tower and associated equipment in the Town of Greenwich, Connecticut.

The facility shall be constructed, operated, and maintained as specified in the Council's record on this matter, and subject to the following conditions:

1. The tower and antennas shall be no taller than necessary to provide the proposed service, and in no event shall exceed 167 feet;
2. The certificate holder shall provide confirmation of the relocation of the Boy Scout tent platforms beyond 200' from the tower site prior to the erection of the tower;
3. The certificate holder shall notify the Council if any additional equipment other than that listed in the Findings of Fact accompanying this Decision and Order is added to this facility;
4. The facility construction shall be conducted in accordance with all applicable federal, state, and municipal laws and regulations;

5. The certificate holder shall provide, prior to commencement of construction, plans for the plantings of trees and shrubs for screening and plans for a 8' high fence around the facility;
6. The certificate holder shall comply with the reporting requirements of section 16-50j-77 of the Regulations of State Agencies;
7. Construction activities shall take place during daylight working hours; and
8. This Decision and Order shall be void if all construction authorized is not completed within three years of the issuance of this decision.

Pursuant to section 16-50p of the General Statutes, we hereby direct that a copy of the Opinion and Decision and Order shall be served on each person listed below. A notice of the issuance shall be published in the Stamford Advocate and the Greenwich Times.

The parties to this proceeding are:

NYNEX Mobil Communications Company (applicant)
One Blue Hill Plaza
P.O. Box 1569
Pearl River, New York 10965-8569

ATTN: John Casamassina
General Manager - Network Design

Mr. Edward R. Wholl, General Counsel (its attorney)
NYNEX Mobile Communications Company
One Blue Hill Plaza
P.O. Box 1569
Pearl River, New York 10965-8569

C E R T I F I C A T I O N

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut, this 9th day of July, 1985.

Council Members	Vote Cast
Gloria Dibble Pond Chairperson	Absent
Commissioner John Downey Designee: Commissioner Peter G. Boucher	Absent
Commissioner Stanley Pac Designee: Christopher Cooper	Absent
Owen L. Clark	Yes
Fred J. Doocy	Yes
Mortimer A. Gelston	Yes
James G. Horsfall	Yes
William H. Smith	Absent
Colin C. Tait	Yes

STATE OF CONNECTICUT)
: ss. New Britain, July 9, 1985
COUNTY OF HARTFORD)

I hereby certify that the foregoing is a true and correct copy of the decision and order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:

Christopher S. Wood, Executive Director
Connecticut Siting Council

Tax ID 081/014

Card No. 1 of 1

ADMINISTRATIVE INFORMATION

PARCEL NUMBER
10-4035

Parent Parcel Number

Property Address
RIVERSVILLE ROAD 0363

Neighborhood
162100 MID COUNTRY WEST - DIST 10 [3]

Property Class
699 Exempt Open Space

TAXING DISTRICT INFORMATION

Jurisdiction	57	Greenwich, CT
Area	001	
Corporation	057	
District	10	
Section & Plat	091	
Routing Number	7227E0051	

Site Description

Topography:

Public Utilities:
Electric

Street or Road:

Neighborhood:

Zoning:
RA-2 Single Family 2

Legal Acres:
91.0000

OWNERSHIP

GREENWICH COUNCIL OF BOY SCOUTS INC
63 MASON STREET
GREENWICH, CT 06830

LOT NO PT 25 RIVERSVILLE E51

TRANSFER OF OWNERSHIP

Date		
01/07/2011	GREENWICH COUNCIL OF BOY SCOUTS INC	Bk/Pg: 6081, 35
	$0	
02/21/1974	NA	Bk/Pg: 880, 287
	$0	

EXEMPT

VALUATION RECORD

Assessment Year		10/01/2005	10/01/2007	10/01/2010	10/01/2015	10/01/2015	10/01/2016
Reason for Change		2005 Reval	2007 List	2010 Reval	2015 Prelim	2015 Final	2016 List
VALUATION	I	7866600	7866600	7162500	3010000	3810000	4710000
Market	B	271100	82200	44600	63500	63500	63500
	T	8137700	7948800	7207100	3073500	3873500	4773500
VALUATION	L	5506620	5506620	5013750	2107000	2667000	3297000
70% Assessed	B	189770	57540	31220	44450	44450	44450
	T	5696390	5564160	5044970	2151450	2711450	3341450

LAND DATA AND CALCULATIONS

	Land Type	Rating Soil ID -or- Actual Frontage	Measured Acreage -or- Effective Frontage	Table Effective Depth	Prod. Factor -or- Depth Factor -or- Square Feet	Base Rate	Adjusted Rate	Extended Value	Influence Factor	Value
1	Residential Land		4.0000		1.00	525000.00	525000.00	2100000		2100000
2	Open Space 1		87.0000		1.00	30000.00	30000.00	2610000		2610000

BP15: 15-1382: 3 antennas: $15,000
BP16: 16-0675 nvc $20,000 replace 3 antennas
DBA: Portion of Seton Boy Scout Reservation southeast of Merritt Parkway. Supporting parcel w/ most improvements on 10-4036, northwest of Merritt.
GEN: Revised NBHD from 180100 to 162100. RCS - 11/30/15.

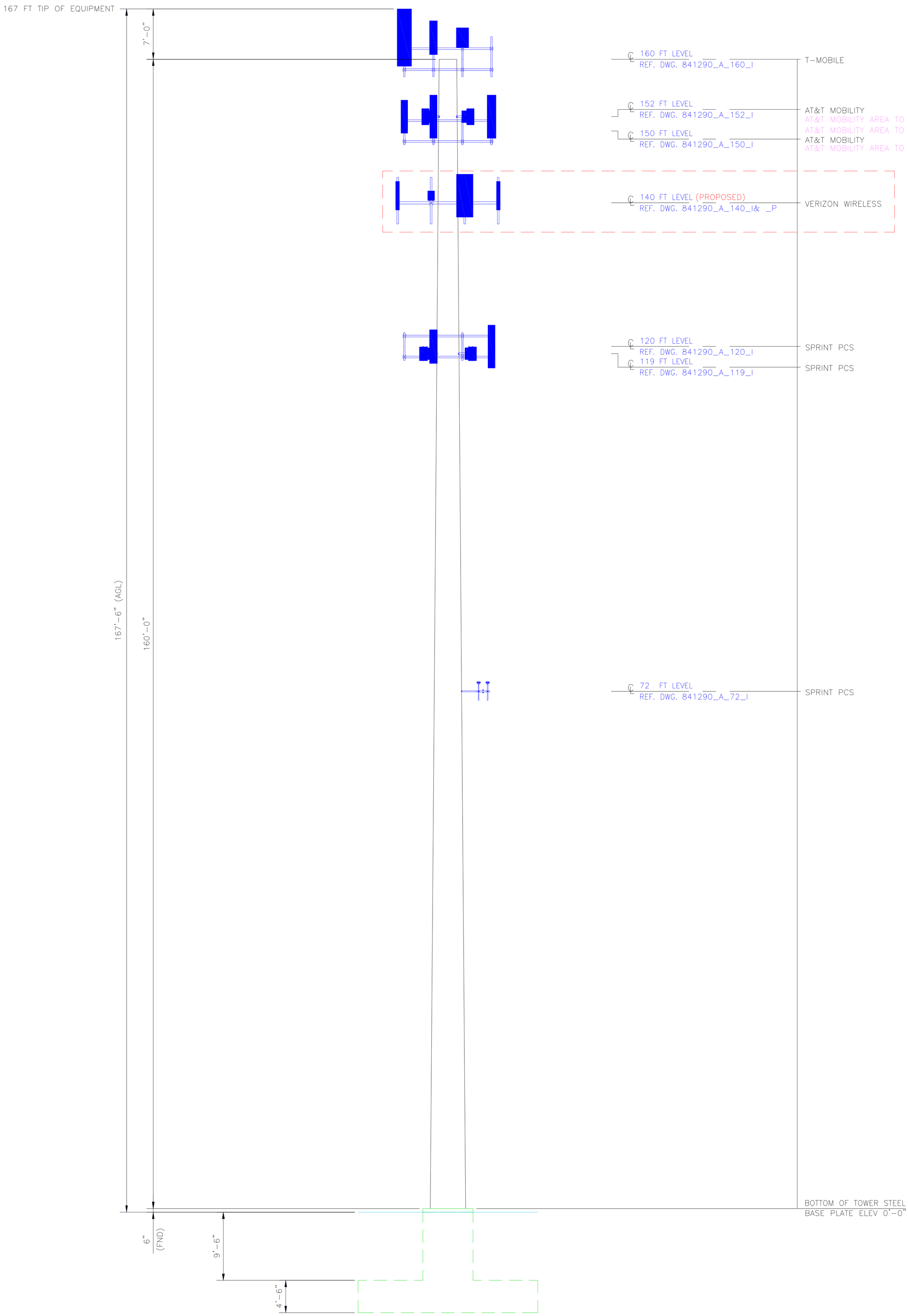
Permit Number / Type	FilingDate	Est. Cost / Est. SqFt	Field Visit

Supplemental Cards

TRUE TAX VALUE 4710000

Supplemental Cards
TOTAL LAND VALUE 4710000

Google Maps 363 Riversville Rd


167 FT TIP OF EQUIPMENT
7'-0"
160 FT LEVEL
REF. DWG. 841290_A_160_I
T-MOBILE
152 FT LEVEL
REF. DWG. 841290_A_152_I
AT&T MOBILITY
AT&T MOBILITY AREA TO 153 FT
AT&T MOBILITY AREA TO 152 FT
150 FT LEVEL
REF. DWG. 841290_A_150_I
AT&T MOBILITY
AT&T MOBILITY AREA TO 145 FT
140 FT LEVEL (PROPOSED)
REF. DWG. 841290_A_140_I& _P
VERIZON WIRELESS
120 FT LEVEL
REF. DWG. 841290_A_120_I
SPRINT PCS
119 FT LEVEL
REF. DWG. 841290_A_119_I
SPRINT PCS
72 FT LEVEL
REF. DWG. 841290_A_72_I
SPRINT PCS
167'-6" (AGL)
160'-0"
BOTTOM OF TOWER STEEL
BASE PLATE ELEV 0'-0"
6"
(FND)
9'-6"
4'-6"

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

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

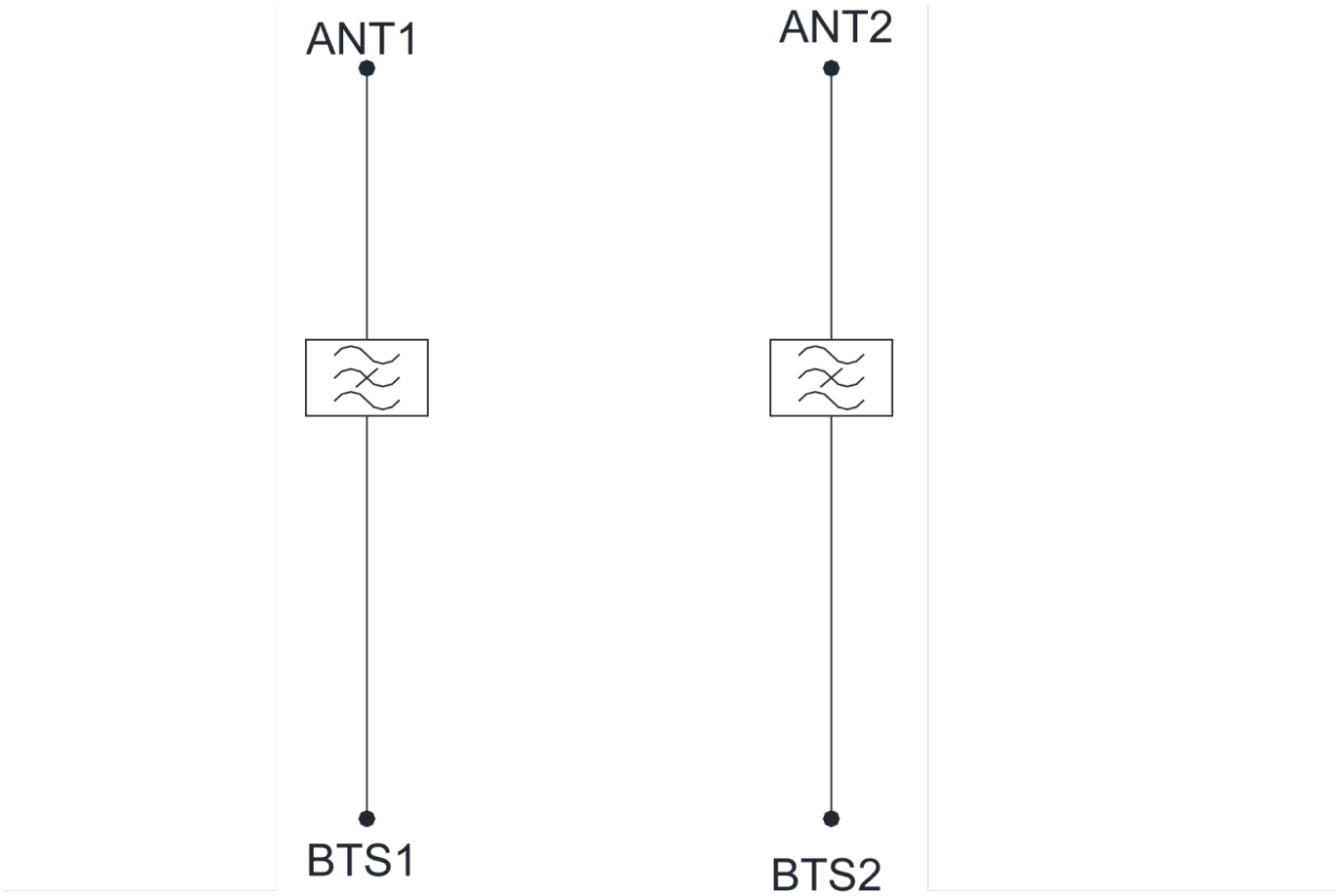
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ORDERING INFORMATION

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

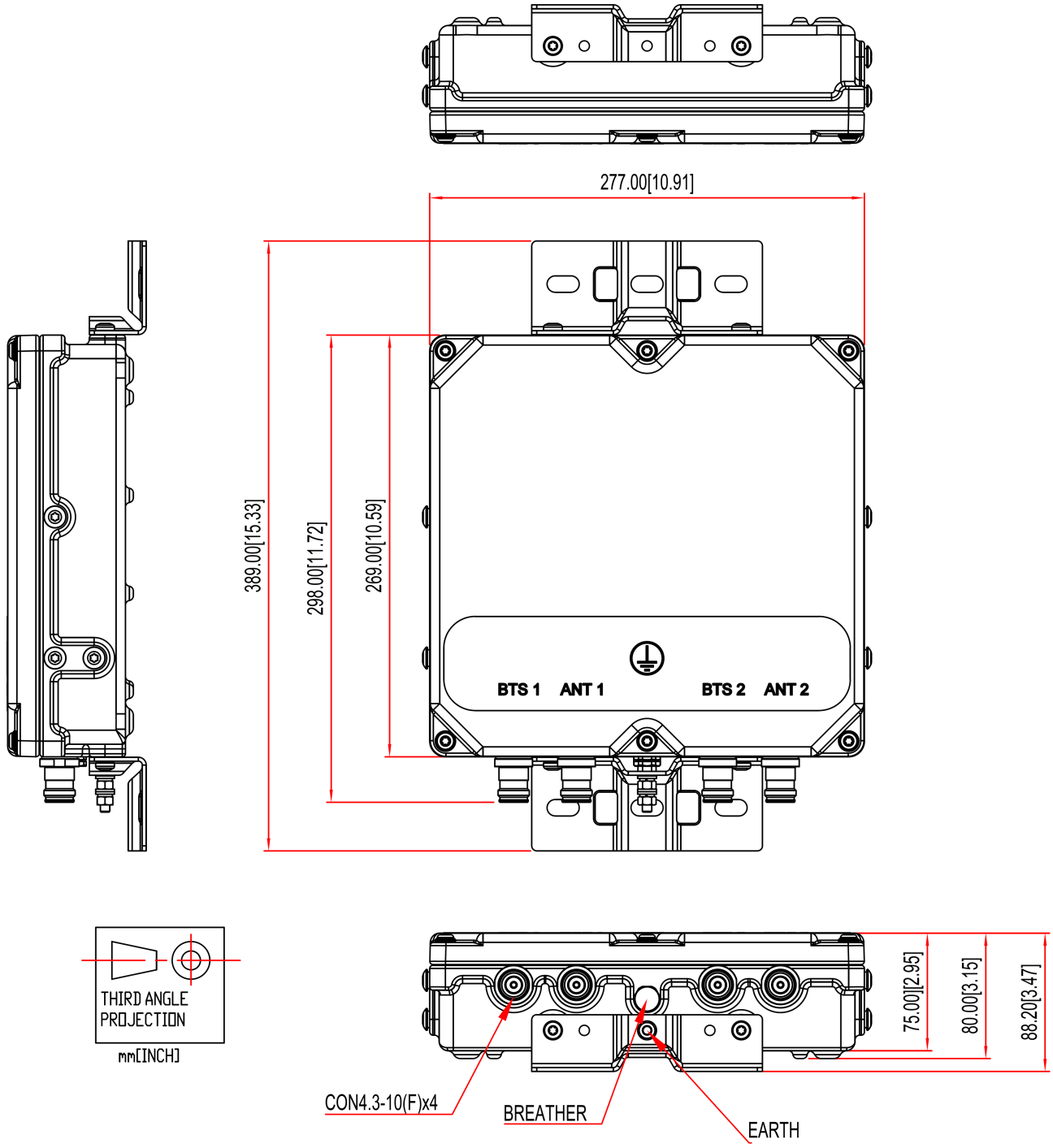
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



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

MECHANICAL BLOCK DIAGRAM



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

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

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10206431
Colliers Engineering & Design Project #: 23777078

July 6, 2023

Site Information	*Site ID:*	*5000382493-VZW / W GREENWICH CT*
	Site Name:	*W GREENWICH CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*363 Riverville Rd.* *Greenwich, Connecticut 06831* *Fairfield County*
	Latitude:	*41.066208°*
	Longitude:	*-73.67124°*
Structure Information	*Tower Type:*	*163-Ft Monopole*
	Mount Type:	*14.2-Ft Platform*

FUZE ID # 17123954

Analysis Results

Platform: **91.1% Pass***

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

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

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

Report Prepared By: Frank Centone

STATE OF CONNECTICUT
DEJIAN XU
No. 33733
LICENSED PROFESSIONAL ENGINEER

07/06/2023

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 325026, dated October 12, 2021*
Mount Mapping Form	*TTS Wireless/Amdocs, Site ID: 841290, dated January 31, 2022*
Previous Mount Modification Report	*Maser Consulting Connecticut, Project #: 21781022A, dated March 7, 2022*
Final Loading Guidance	*Filter Add Scope Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.992
Seismic Parameters:	S_S:	0.274 g
	S_1:	0.059 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
139.00	141.00	1	KAelus	BSF0020F3V1-1	Added
		6	Commscope	JAHH-65B-R3B	Retained
		3	Samsung	XXDWMM-12.5-65-8T-CBRS	
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Samsung	MT6407-77A	
		3	Commscope	TD-850AB-L78-43	
		2	Raycap	RRFDC-3315-PF-48	

The previous mount analysis report proposed 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 documentation. 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
Standoff Horizontal	27.6%	Pass
Mount Pipe	33.1%	Pass
Support Rail	24.6%	Pass
Upper Corner Plate	24.7%	Pass
Face Horizontal	22.4%	Pass
Kicker	8.0%	Pass
Mount Connection	91.1%	Pass

Structure Rating – ***(Controlling Utilization of all Components)***	**91.1%**

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

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	27.0	27.0	45.1	45.1
0.5	34.8	34.8	60.7	60.7
1	42.1	42.1	75.6	75.6

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.

Contractor shall verify that all equipment and modifications per the previous mount analysis report by Maser Consulting Connecticut, Project #: 21781022A, dated March 7, 2022 have been installed as intended.

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

---

MDG #: 5000382493 SMART Project #: 10206431 Fuze Project ID: 17123954

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

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

Base Requirements:

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

Photo Requirements:

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

- Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.
    - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

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

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

OR

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

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

Issue:

Contractor shall verify that all equipment and modifications per the previous mount analysis report by Maser Consulting Connecticut, Project #: 21781022A, dated March 7, 2022 have been installed as intended.

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:	

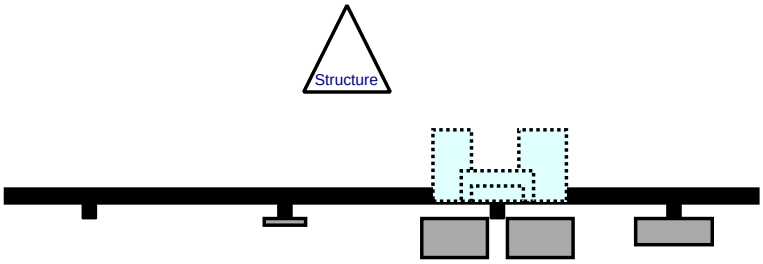
Structure: 5000382493-VZW - W GREENWICH CT

Sector: **A** 7/5/2023

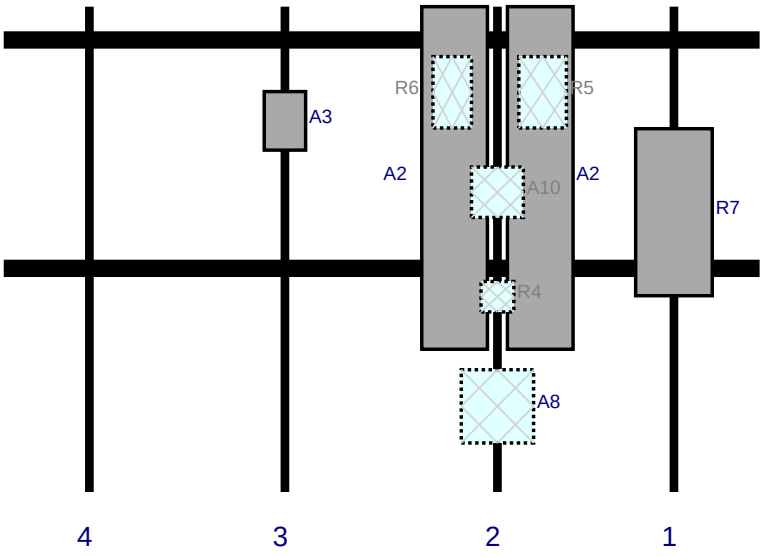
Structure Type: Monopole 10206431

Mount Elev: 139.00 Page: 1

Plan View

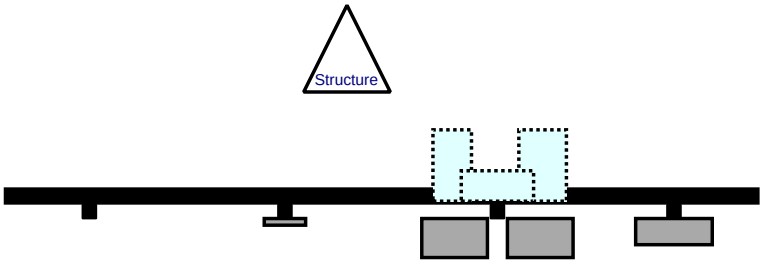


Front View - Looking at Structure

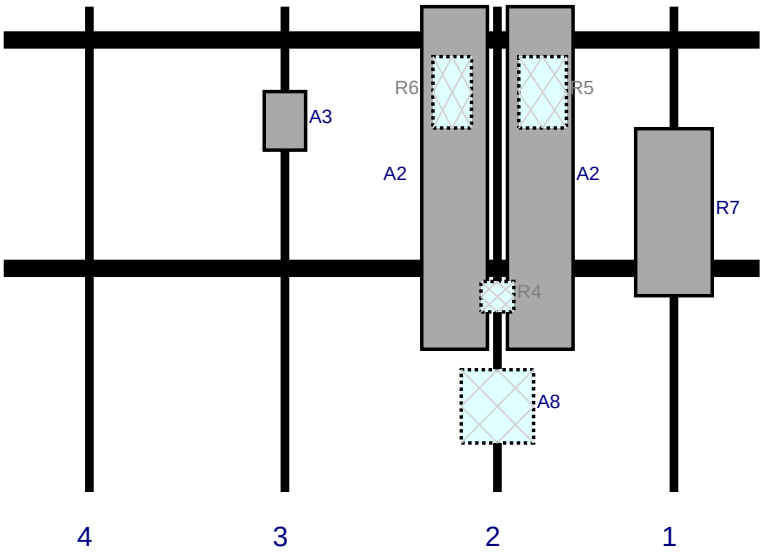


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R7	MT6407-77A	35.1	16.1	140.86	1	a	Front	43.2	0	Retained	
A2	JAHH-65B-R3B	72	13.8	103.76	2	a	Front	36	9	Retained	01/31/2022
A2	JAHH-65B-R3B	72	13.8	103.76	2	b	Front	36	-9	Retained	01/31/2022
R4	CBC78T-DS-43-2X	6.4	6.9	103.76	2	a	Behind	60.96	0	Retained	01/31/2022
R5	B2/B66A RRH-BR049	15	10	103.76	2	a	Behind	18	9.5	Retained	01/31/2022
R6	B5/B13 RRH-BR04C	15	8.1	103.76	2	a	Behind	18	-9.5	Retained	01/31/2022
A8	TD-850AB-L78-43	15.4	15.2	103.76	2	a	Behind	84	0	Retained	
A10	BSF0020F3V1-1	10.6	10.9	103.76	2	a	Behind	39	0	Added	
A3	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	59.1	3	a	Front	24	0	Retained	01/31/2022
M93	RRFDC-3315-PF-48	29.5	16.5		Member					Retained	
DC	RRFDC-3315-PF-48	29.5	16.5		Member					Retained	

Plan View

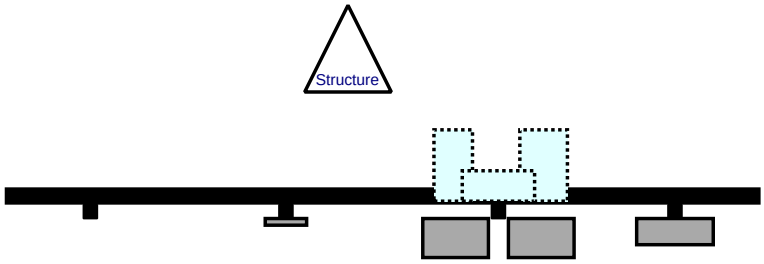


Front View - Looking at Structure

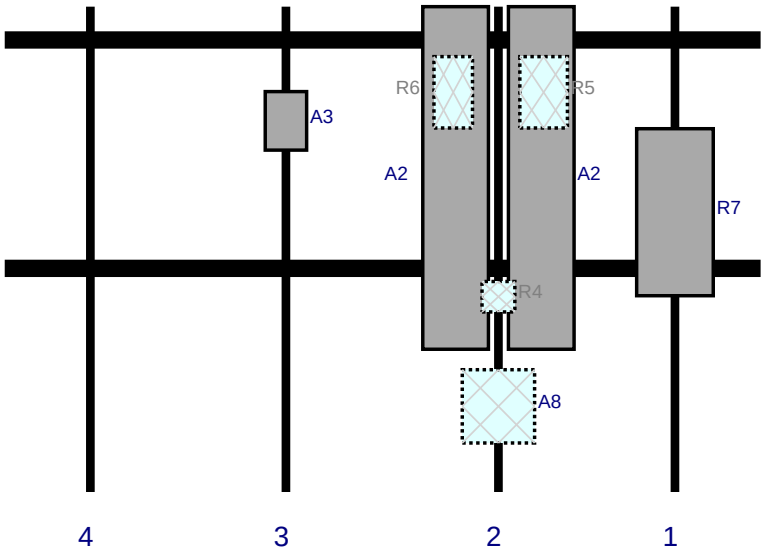


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R7	MT6407-77A	35.1	16.1	140.86	1	a	Front	43.2	0	Retained	
A2	JAHH-65B-R3B	72	13.8	103.76	2	a	Front	36	9	Retained	01/31/2022
A2	JAHH-65B-R3B	72	13.8	103.76	2	b	Front	36	-9	Retained	01/31/2022
R4	CBC78T-DS-43-2X	6.4	6.9	103.76	2	a	Behind	60.96	0	Retained	01/31/2022
R5	B2/B66A RRH-BR049	15	10	103.76	2	a	Behind	18	9.5	Retained	01/31/2022
R6	B5/B13 RRH-BR04C	15	8.1	103.76	2	a	Behind	18	-9.5	Retained	01/31/2022
A8	TD-850AB-L78-43	15.4	15.2	103.76	2	a	Behind	84	0	Retained	
A3	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	59.1	3	a	Front	24	0	Retained	01/31/2022

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
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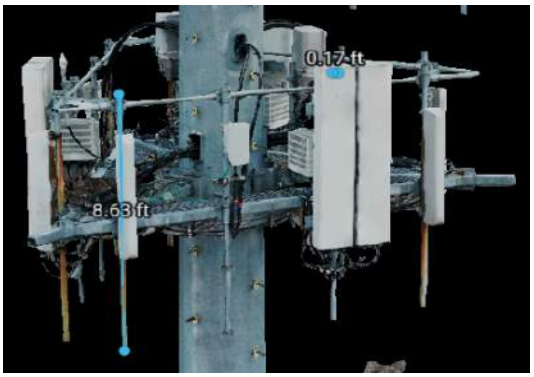
A2	JAHH-65B-R3B	72	13.8	103.76	2	a	Front	36	9	Retained	01/31/2022
A2	JAHH-65B-R3B	72	13.8	103.76	2	b	Front	36	-9	Retained	01/31/2022
R4	CBC78T-DS-43-2X	6.4	6.9	103.76	2	a	Behind	60.96	0	Retained	01/31/2022
R5	B2/B66A RRH-BR049	15	10	103.76	2	a	Behind	18	9.5	Retained	01/31/2022
R6	B5/B13 RRH-BR04C	15	8.1	103.76	2	a	Behind	18	-9.5	Retained	01/31/2022
A8	TD-850AB-L78-43	15.4	15.2	103.76	2	a	Behind	84	0	Retained	
A3	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	59.1	3	a	Front	24	0	Retained	01/31/2022

V4.1 Updated on 12-17-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1280169

Tower Owner:	Crown Castle	**Mapping Date:**	1/31/2022
Site Name:	W GREENWICH CT	**Tower Type:**	Monopole
Site Number or ID:	841290	**Tower Height (Ft.):**	163
Mapping Contractor:	TTS Wireless / Amdocs	**Mount Elevation (Ft.):**	142



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 3/8"Øx 108" +/- 0.5"	49.00	23.00	C1	2 3/8"Øx 108" +/- 0.5"	49.00	23.00
A2	2 3/8"Øx 108" +/- 0.5"	49.00	61.00	C2	2 3/8"Øx 108" +/- 0.5"	49.00	61.00
A3	2 3/8"Øx 108" +/- 0.5"	49.00	106.00	C3	2 3/8"Øx 108" +/- 0.5"	49.00	106.00
A4	2 3/8"Øx 108" +/- 0.5"	49.00	147.00	C4	2 3/8"Øx 108" +/- 0.5"	49.00	147.00
A5				C5			
A6				C6			
B1	2 3/8"Øx 96" +/- 0.5"	49.00	23.00	D1			
B2	2 3/8"Øx 96" +/- 0.5"	49.00	61.00	D2			
B3	2 3/8"Øx 96" +/- 0.5"	49.00	106.00	D3			
B4	2 3/8"Øx 96" +/- 0.5"	49.00	147.00	D4			
B5				D5			
B6				D6			

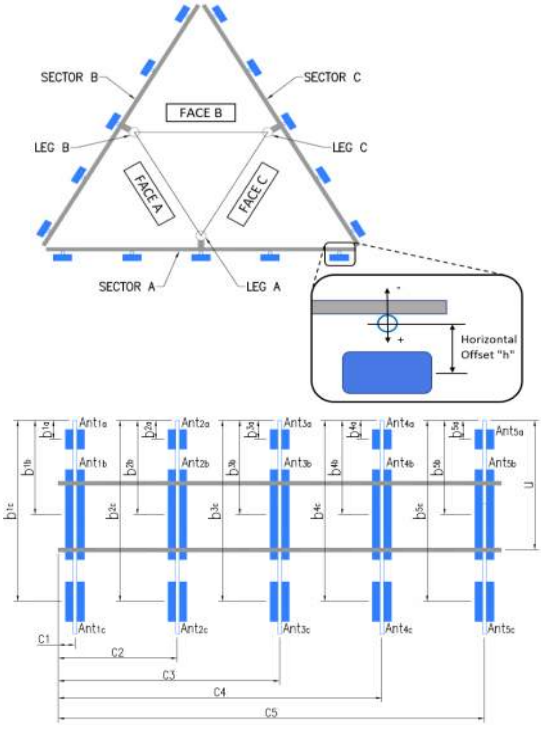
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	10
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	15

Please enter additional infomation or comments below.

Tolerences for measurements: Dimensions= +/- 0.5"; Degrees= +/- 1 degree

There are two JAHH-65B-R3B antennas, both are mounted on Pipe 2

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	20

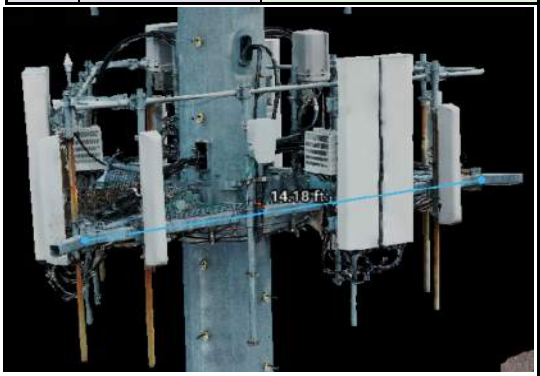


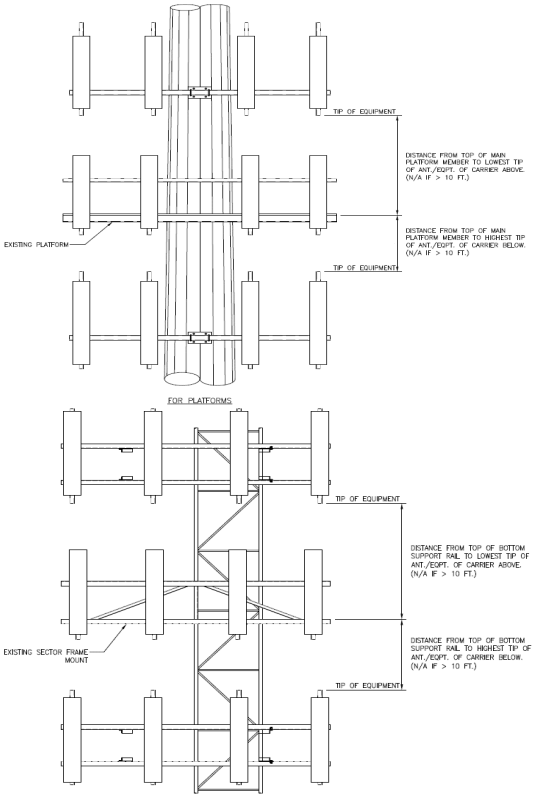
Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	RFS APL868013	6.00	8.00	48.00	1 5/8"	144	42.00	9.00	32.00	1.1
Ant_{1c}										
Ant_{2a}	B2/B66A RRH-BR049	12.00	7.20	26.40			32.00	-11.00		1.2
Ant_{2b}	COMMSCOPE JAHH-6	13.78	8.18	71.96		144	35.00	18.00	34.00	1.1
Ant_{2c}	B5/B13 RRH-BR04C	12.00	7.20	21.00			32.00	-11.00		1.2
Ant_{3a}										
Ant_{3b}	XXDWMM-12.5-65-8T	7.30	4.68	16.20		145	23.00	9.00	34.00	1.1
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	RFS APL868013	6.00	8.00	48.00	1 5/8"	144	42.00	9.00	32.00	1.1
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:	30.00	Deg	Leg A:		Deg
Sector B:	170.00	Deg	Leg B:		Deg
Sector C:	265.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	213.00 Deg	Inside Face C
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was obstructed.
	Condition:	Good condition.





Sector B										
Ant_{1a}										
Ant_{1b}	RFS APL868013	6.00	8.00	48.00	1 5/8"	144	42.00	9.00	164.00	2.1
Ant_{1c}										
Ant_{2a}	B2/B66A RRH-BR049	12.00	7.20	26.40			32.00	-11.00		2.2
Ant_{2b}	COMMSCOPE JAHH-6	13.78	8.18	71.96		144	35.00	18.00	161.00	2.1
Ant_{2c}	B5/B13 RRH-BR04C	12.00	7.20	21.00			32.00	-11.00		2.2
Ant_{3a}										
Ant_{3b}	XXDWMM-12.5-65-8T	7.30	4.68	16.20		145	23.00	9.00	161.00	2.1
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	RFS APL868013	6.00	8.00	48.00	1 5/8"	144	42.00	9.00	164.00	2.1
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	DB844H80E-XY	6.50	8.00	48.00	1 5/8"	144	42.00	9.00	274.00	3.1
Ant_{1c}										
Ant_{2a}	B2/B66A RRH-BR049	12.00	7.20	26.40			32.00	-11.00		3.2
Ant_{2b}	COMMSCOPE JAHH-6	13.78	8.18	71.96		144	35.00	18.00	271.00	3.1
Ant_{2c}	B5/B13 RRH-BR04C	12.00	7.20	21.00			32.00	-11.00		3.2
Ant_{3a}										
Ant_{3b}	XXDWMM-12.5-65-8T	7.30	4.68	16.20		145	23.00	9.00	271.00	3.1
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	DB844H80E-XY	6.50	8.00	48.00	1 5/8"	144	42.00	9.00	274.00	3.1
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	Informational - Mount Pipes ISO view. Sector (A,B,C)	4.1-4.3
2	Informational - Mount Centerlines between sectors (A,B,C)	5.1-5.3
3	Informational - Sector mount connection - Tower Connection	6.1-6.3
4	There are 2 safety cables - The top one is obstruced by below mount standoff and the bottom one is out of rubber grommet. There is no safety cable near VZW carrier	7.1 - 7.2
5	Information - Gate	8
6		
7		
8		

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

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

Antenna Mount Mapping Form (PATENT PENDING)

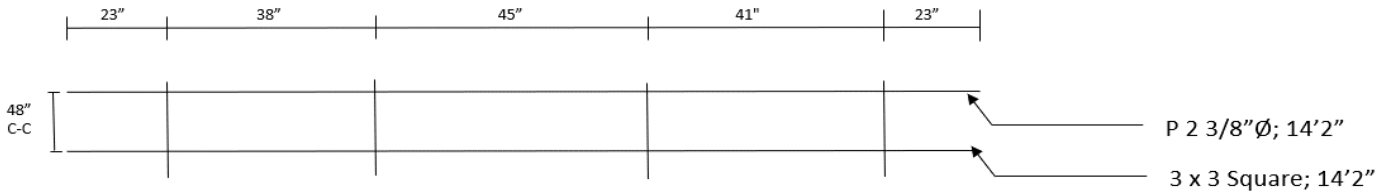
FCC #
1280169

Tower Owner:	Crown Castle	**Mapping Date:**	1/31/2022
Site Name:	W GREENWICH CT	**Tower Type:**	Monopole
Site Number or ID:	841290	**Tower Height (Ft.):**	163
Mapping Contractor:	TTS Wireless / Amdocs	**Mount Elevation (Ft.):**	142

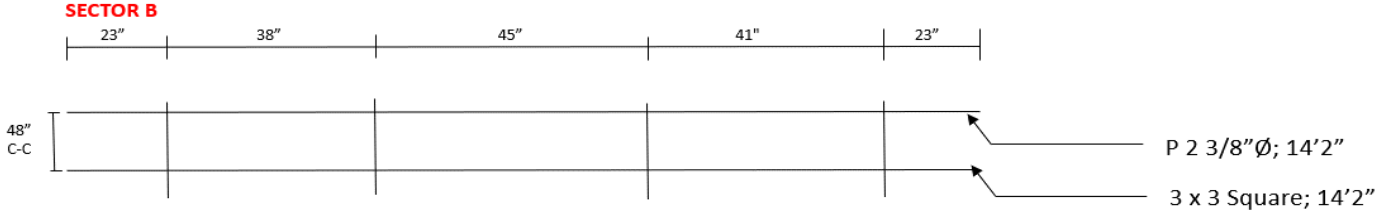
Please Insert Sketches of the Antenna Mount

PIPE SPACING:

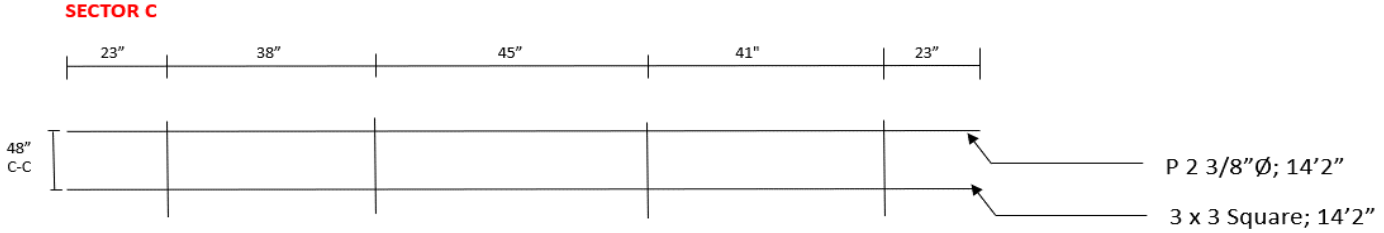
SECTOR A



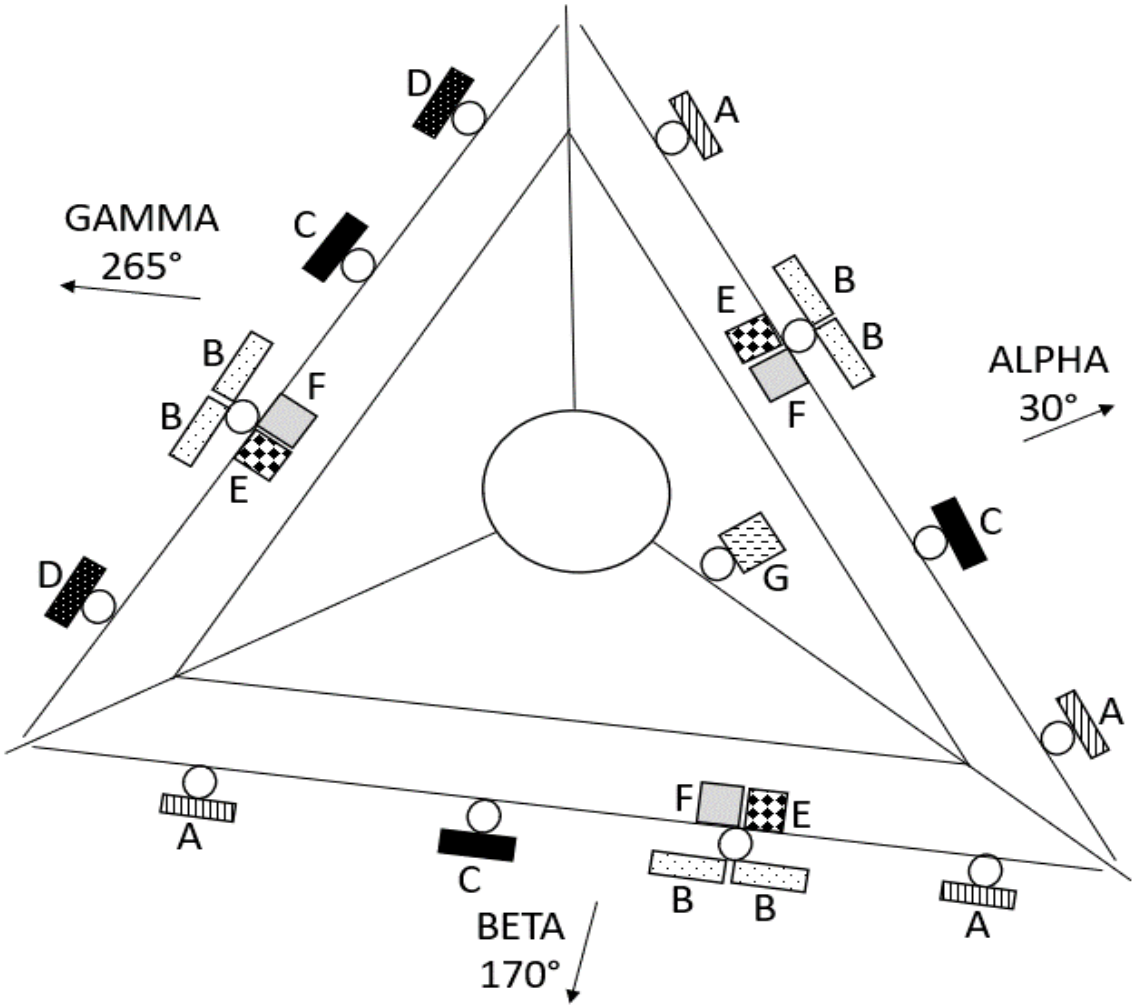
SECTOR B



SECTOR C



Please Insert Sketches of the Antenna Mount, cont'd

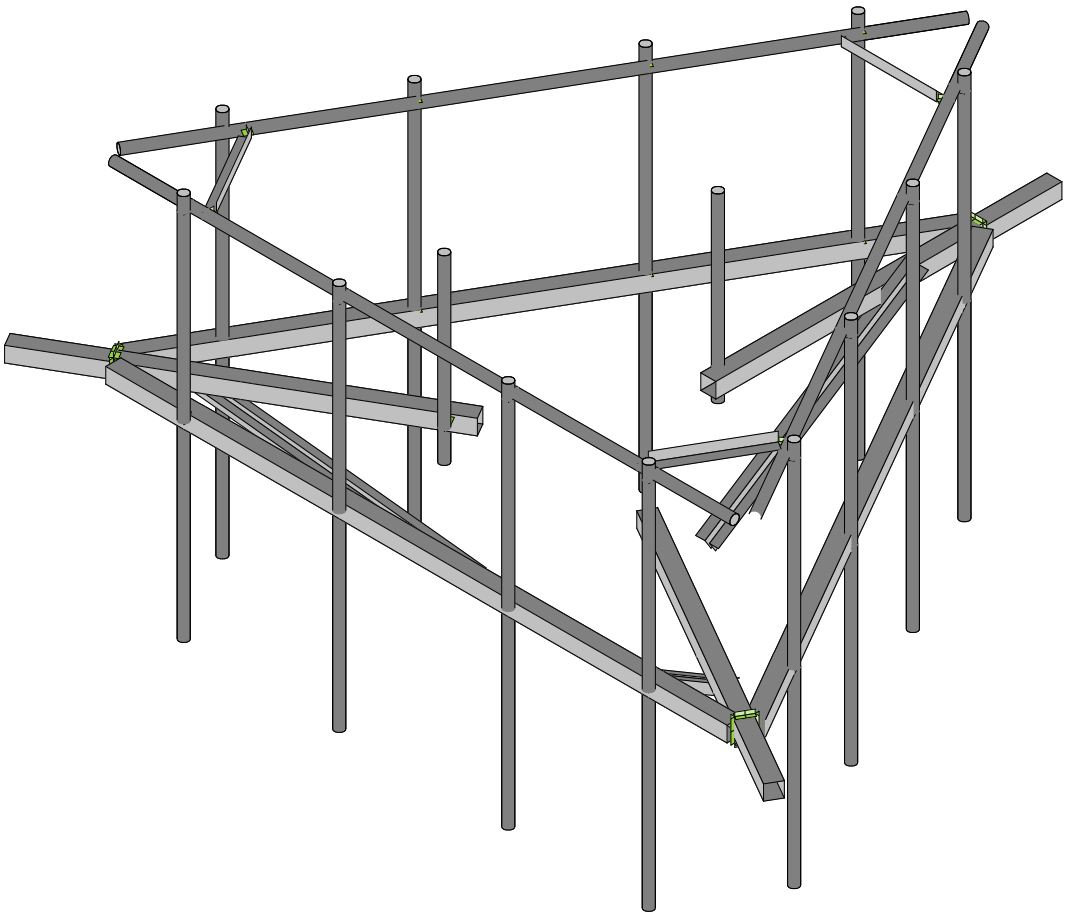


LOADING:

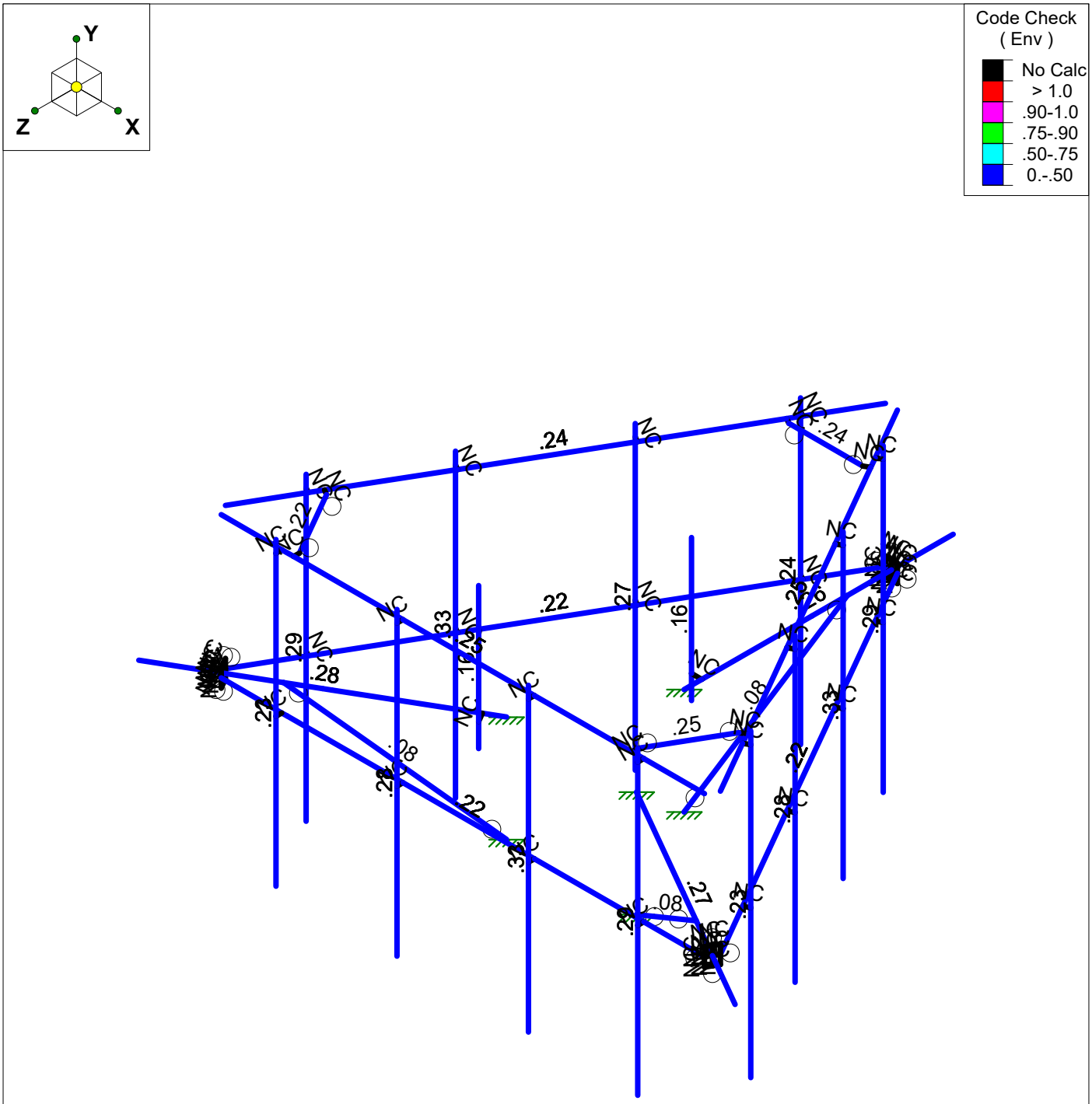
A. RFS APL868013: 6” x 8” x 48”
B. COMMSCOPE JAHH-65B-R3B: 13.78” x 8.18” x 71.96”
C. XXDWMM-12.5-65-8TCBRS: 7.30” x 4.68” x 16.20”
D. DB844H80E-XY: 6.5” x 8” x 48”
E. B2/B66A RRH-BR049: 12” x 7.20” x 26.40”
F. B5/B13 RRH-BR04C: 12” x 7.20” x 21”
G. Raycap RRFDC-3315-PF-48: 16.50” x 12.6” x 29.50”

Please Insert Sketches of the Antenna Mount, cont'd

Image#9: Length of the standoff arms for T-arms and length of the inner bracings for platform
(All sectors have same dimensions)

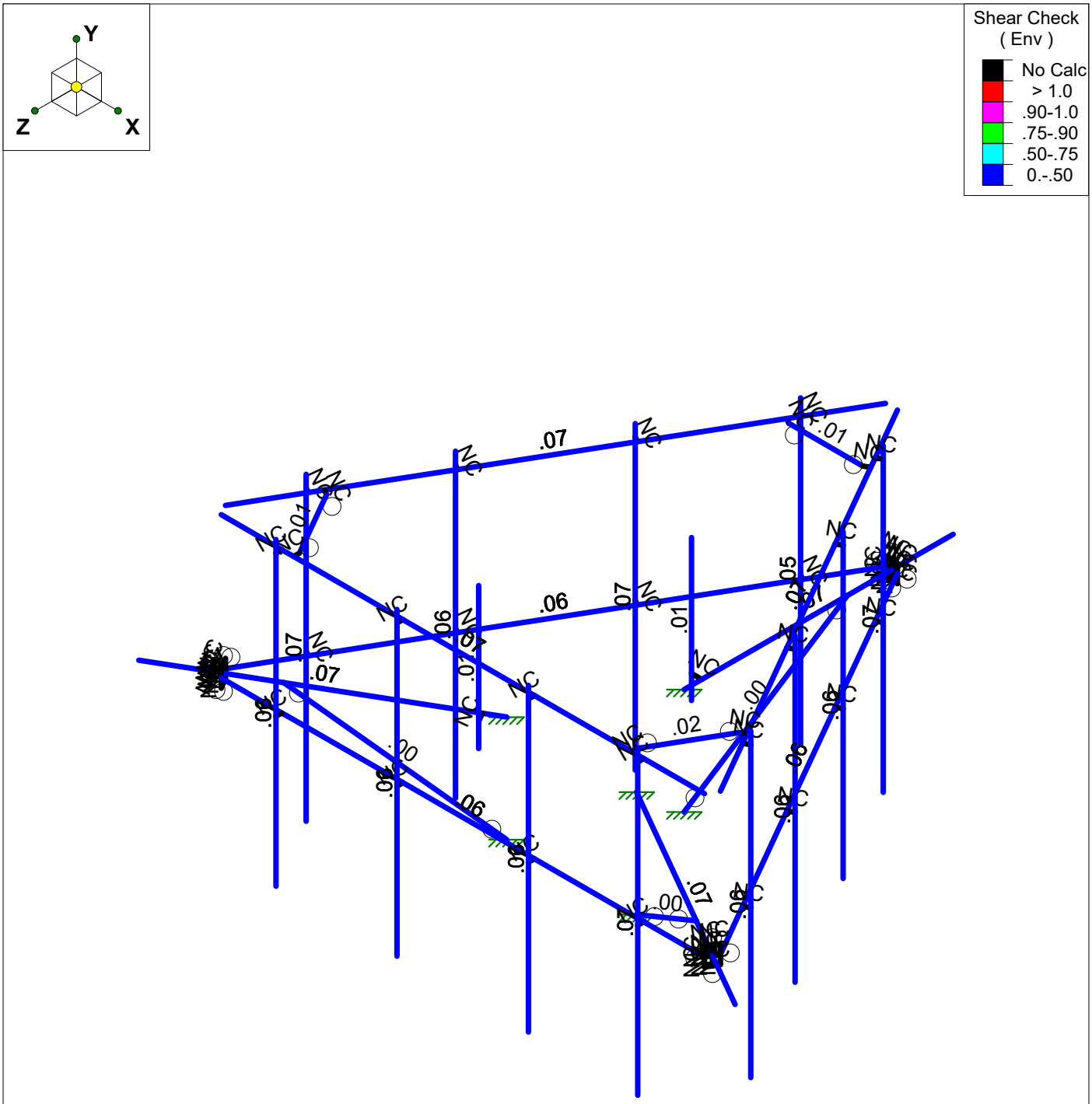


Colliers Engineering & De...	Mount Analysis	SK - 1
		July 5, 2023 at 3:43 PM
		5000382493-VZW_MT_LO_H.r3d



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

Colliers Engineering & De...	Mount Analysis	SK - 2
		July 5, 2023 at 3:43 PM
		5000382493-VZW_MT_LO_H.r3d



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

Colliers Engineering & De...	Mount Analysis	SK - 3
		July 5, 2023 at 3:43 PM
		5000382493-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(Member)	Surface(Plate/Wall)
1	Antenna D	None					108			
2	Antenna Di	None					108			
3	Antenna Wo (0...	None					108			
4	Antenna Wo (3...	None					108			
5	Antenna Wo (6...	None					108			
6	Antenna Wo (9...	None					108			
7	Antenna Wo (1...	None					108			
8	Antenna Wo (1...	None					108			
9	Antenna Wo (1...	None					108			
10	Antenna Wo (2...	None					108			
11	Antenna Wo (2...	None					108			
12	Antenna Wo (2...	None					108			
13	Antenna Wo (3...	None					108			
14	Antenna Wo (3...	None					108			
15	Antenna Wi (0 ...	None					108			
16	Antenna Wi (30...	None					108			
17	Antenna Wi (60...	None					108			
18	Antenna Wi (90...	None					108			
19	Antenna Wi (12...	None					108			
20	Antenna Wi (15...	None					108			
21	Antenna Wi (18...	None					108			
22	Antenna Wi (21...	None					108			
23	Antenna Wi (24...	None					108			
24	Antenna Wi (27...	None					108			
25	Antenna Wi (30...	None					108			
26	Antenna Wi (33...	None					108			
27	Antenna Wm (...	None					108			
28	Antenna Wm (...	None					108			
29	Antenna Wm (...	None					108			
30	Antenna Wm (...	None					108			
31	Antenna Wm (...	None					108			
32	Antenna Wm (...	None					108			
33	Antenna Wm (...	None					108			
34	Antenna Wm (...	None					108			
35	Antenna Wm (...	None					108			
36	Antenna Wm (...	None					108			
37	Antenna Wm (...	None					108			
38	Antenna Wm (...	None					108			
39	Structure D	None		-1					3	
40	Structure Di	None						29	3	
41	Structure Wo (...	None						58		
42	Structure Wo (...	None						58		
43	Structure Wo (...	None						58		
44	Structure Wo (...	None						58		
45	Structure Wo (...	None						58		
46	Structure Wo (...	None						58		
47	Structure Wo (...	None						58		
48	Structure Wo (...	None						58		
49	Structure Wo (...	None						58		
50	Structure Wo (...	None						58		
51	Structure Wo (...	None						58		
52	Structure Wo (...	None						58		
53	Structure Wi (...	None						58		
54	Structure Wi (...	None						58		
55	Structure Wi (...	None						58		
56	Structure Wi (...	None						58		
57	Structure Wi (...	None						58		
58	Structure Wi (...	None						58		

Basic Load Cases (Continued)

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(Member)	Surface(Plate/Wall)
59	Structure Wi (...	None						58		
60	Structure Wi (...	None						58		
61	Structure Wi (...	None						58		
62	Structure Wi (...	None						58		
63	Structure Wi (...	None						58		
64	Structure Wi (...	None						58		
65	Structure Wm ...	None						58		
66	Structure Wm ...	None						58		
67	Structure Wm ...	None						58		
68	Structure Wm ...	None						58		
69	Structure Wm ...	None						58		
70	Structure Wm ...	None						58		
71	Structure Wm ...	None						58		
72	Structure Wm ...	None						58		
73	Structure Wm ...	None						58		
74	Structure Wm ...	None						58		
75	Structure Wm ...	None						58		
76	Structure Wm ...	None						58		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					108			
82	Antenna Eh (0 ...	None					72			
83	Antenna Eh (90...	None					72			
84	Structure Ev	ELY							3	
85	Structure Eh (0...	ELZ			-.03				3	
86	Structure Eh (9...	ELX	.03						3	
87	BLC 39 Transie...	None						31		
88	BLC 40 Transie...	None						31		
89	BLC 84 Transie...	None								
90	BLC 85 Transie...	None						31		
91	BLC 86 Transie...	None						31		

Load Combinations

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										

Load Combinations (Continued)

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
22	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	0	0	-2.125	0	
2	N27	0	0	-9.739583	0	
3	CP	0	0	0	0	
4	N5	0	0	-7.989583	0	
5	N6	0.166667	0	-7.989583	0	
6	N7	-0.166667	0	-7.989583	0	
7	N8	0	.25	-7.989583	0	
8	N9	0.166667	.25	-7.989583	0	
9	N10	-0.166667	.25	-7.989583	0	
10	N11	0	-.25	-7.989583	0	
11	N12	0.166667	-.25	-7.989583	0	
12	N13	-0.166667	-.25	-7.989583	0	
13	N14	-1.840304	0	1.0625	0	
14	N15	-8.434727	0	4.869792	0	
15	N26	1.840304	0	1.0625	0	
16	N27A	8.434727	0	4.869792	0	
17	N38	-5.119342	0	4.139129	0	
18	N39	-1.694342	0	4.139129	0	
19	N41	5.119342	0	4.139129	0	
20	N41A	2.027676	0	4.139129	0	
21	N42	-5.119342	0	4.305796	0	
22	N43	-1.694342	0	4.305796	0	
23	N44	5.119342	0	4.305796	0	
24	N45	2.027676	0	4.305796	0	
25	N46	-5.119342	4.333333	4.305796	0	
26	N47	-1.694342	4.333333	4.305796	0	
27	N48	5.119342	4.333333	4.305796	0	
28	N49	2.027676	4.333333	4.305796	0	
29	N50	-5.119342	-4.166667	4.305796	0	
30	N51	-1.694342	-4.166667	4.305796	0	
31	N52	5.119342	-4.166667	4.305796	0	
32	N53	2.027676	-4.166667	4.305796	0	
33	N90A	-6.835849	4	4.139129	0	
34	N91A	6.835849	4	4.139129	0	
35	N93A	-4.786009	4	4.139129	0	
36	N94	4.786009	4	4.139129	0	
37	N99	-4.786009	4	3.972463	0	
38	N100	4.786009	4	3.972463	0	
39	N73	-5.119342	4	4.139129	0	
40	N74	-1.694342	4	4.139129	0	
41	N75	5.119342	4	4.139129	0	
42	N76	2.027676	4	4.139129	0	
43	N77	-5.119342	4	4.305796	0	
44	N78	-1.694342	4	4.305796	0	
45	N79	5.119342	4	4.305796	0	
46	N80	2.027676	4	4.305796	0	
47	N129	-0.291667	0	-2.625	0	
48	N130	-0.	0	-2.625	0	
49	N131	-0.291667	3.333333	-2.625	0	
50	N132	-0.291667	-0.666667	-2.625	0	
51	N139	0	0	-5.739583	0	
52	N140	-4.970625	0	2.869792	0	
53	N141	4.970625	0	2.869792	0	
54	N142	4.970625	0	4.139129	0	
55	N130A	-6.919182	0	3.994792	0	
56	N131A	-7.002515	0	3.850454	0	
57	N132A	-6.835849	0	4.139129	0	
58	N133A	-6.919182	.25	3.994792	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
59	N134A	-7.002515	.25	3.850454	0	
60	N135A	-6.835849	.25	4.139129	0	
61	N136A	-6.919182	-.25	3.994792	0	
62	N137A	-7.002515	-.25	3.850454	0	
63	N138A	-6.835849	-.25	4.139129	0	
64	N139A	6.919182	0	3.994792	0	
65	N140A	6.835849	0	4.139129	0	
66	N141A	7.002515	0	3.850454	0	
67	N142A	6.919182	.25	3.994792	0	
68	N143A	6.835849	.25	4.139129	0	
69	N144A	7.002515	.25	3.850454	0	
70	N145A	6.919182	-.25	3.994792	0	
71	N146A	6.835849	-.25	4.139129	0	
72	N147A	7.002515	-.25	3.850454	0	
73	N114	1.099279	0	-6.374252	0	
74	N140B	-6.069904	0	2.235123	0	
75	N142B	-4.970624	0	4.139129	0	
76	N140C	6.069903	0	2.235122	0	
77	N141B	-1.099279	0	-6.374251	0	
78	N142C	-5.137515	0	2.966146	0	
79	N85	6.144262	0	2.363916	0	
80	N86	4.431762	0	-0.602221	0	
81	N87	1.02492	0	-6.503045	0	
82	N88	2.570753	0	-3.825583	0	
83	N89	6.2886	0	2.280583	0	
84	N90B	4.5761	0	-0.685554	0	
85	N91B	1.169257	0	-6.586379	0	
86	N92A	2.715091	0	-3.908917	0	
87	N93B	6.2886	4.333333	2.280583	0	
88	N94A	4.5761	4.333333	-0.685554	0	
89	N95	1.169257	4.333333	-6.586379	0	
90	N96	2.715091	4.333333	-3.908917	0	
91	N97	6.2886	-4.166667	2.280583	0	
92	N98A	4.5761	-4.166667	-0.685554	0	
93	N99A	1.169257	-4.166667	-6.586379	0	
94	N100A	2.715091	-4.166667	-3.908917	0	
95	N101	7.002515	4	3.850454	0	
96	N102	0.166667	4	-7.989583	0	
97	N104A	1.191587	4	-6.21437	0	
98	N106	1.047249	4	-6.131037	0	
99	N107	6.144262	4	2.363916	0	
100	N108	4.431762	4	-0.602221	0	
101	N109	1.02492	4	-6.503045	0	
102	N110	2.570753	4	-3.825583	0	
103	N111	6.2886	4	2.280583	0	
104	N112	4.5761	4	-0.685554	0	
105	N113	1.169257	4	-6.586379	0	
106	N114A	2.715091	4	-3.908917	0	
107	N117	-1.02492	0	-6.503045	0	
108	N118	-2.73742	0	-3.536908	0	
109	N119	-6.144262	0	2.363916	0	
110	N120	-4.598429	0	-0.313546	0	
111	N121	-1.169257	0	-6.586379	0	
112	N122	-2.881757	0	-3.620242	0	
113	N123	-6.2886	0	2.280583	0	
114	N124	-4.742767	0	-0.396879	0	
115	N125	-1.169257	4.333333	-6.586379	0	
116	N126	-2.881757	4.333333	-3.620242	0	
117	N127	-6.2886	4.333333	2.280583	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
118	N128	-4.742767	4.333333	-0.396879	0	
119	N129A	-1.169257	-4.166667	-6.586379	0	
120	N130B	-2.881757	-4.166667	-3.620242	0	
121	N131B	-6.2886	-4.166667	2.280583	0	
122	N132B	-4.742767	-4.166667	-0.396879	0	
123	N133	-0.166667	4	-7.989583	0	
124	N134	-7.002515	4	3.850454	0	
125	N136	-5.977596	4	2.075241	0	
126	N138	-5.833258	4	2.158574	0	
127	N139B	-1.02492	4	-6.503045	0	
128	N140D	-2.73742	4	-3.536908	0	
129	N141C	-6.144262	4	2.363916	0	
130	N142D	-4.598429	4	-0.313546	0	
131	N143	-1.169257	4	-6.586379	0	
132	N144	-2.881757	4	-3.620242	0	
133	N145	-6.2886	4	2.280583	0	
134	N146	-4.742767	4	-0.396879	0	
135	N143B	5.977596	4	2.075241	0	
136	N144B	5.833258	4	2.158574	0	
137	N145B	-1.191587	4	-6.21437	0	
138	N146B	-1.047249	4	-6.131037	0	
139	N143C	0	0	-6.739583	0	
140	N144C	0	-3	-2.125	0	
141	N145C	-2.127483	0	1.565091	0	
142	N146C	-2.273317	0	1.3125	0	
143	N147	-2.127483	3.333333	1.565091	0	
144	N148	-2.127483	-0.666667	1.565091	0	
145	N145D	-5.83665	0	3.369792	0	
146	N146D	-1.840304	-3	1.0625	0	
147	N147B	5.83665	0	3.369792	0	
148	N148A	1.840304	-3	1.0625	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	HSS4X4X3	Beam	SquareT...	A500 Gr....	Typical	2.58	6.21	6.21	10
2	Standoff Horizontal	HSS4X4X3	Beam	SquareT...	A500 Gr....	Typical	2.58	6.21	6.21	10
3	Support Rail	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
4	Upper Corner Plate	L2.5x2.5x4	Column	Single A...	A36 Gr.36	Typical	1.19	.692	.692	.026
5	Mount Pipe	PIPE_2.0	Column	Single A...	A53 Gr.B	Typical	1.02	.627	.627	1.25
6	Kicker	LL3x3x3x0	Column	Double A..	A36 Gr.36	Typical	2.18	3.35	1.9	.027

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M2	N7	N5			RIGID	None	None	RIGID	Typical
3	M3	N6	N5			RIGID	None	None	RIGID	Typical
4	M4A	N10	N8			RIGID	None	None	RIGID	Typical
5	M5	N9	N8			RIGID	None	None	RIGID	Typical
6	M6	N13	N11			RIGID	None	None	RIGID	Typical
7	M7	N12	N11			RIGID	None	None	RIGID	Typical
8	M8	N8	N5			RIGID	None	None	RIGID	Typical
9	M9	N11	N5			RIGID	None	None	RIGID	Typical
10	M10	N7	N10			RIGID	None	None	RIGID	Typical
11	M11	N6	N9			RIGID	None	None	RIGID	Typical
12	M12	N7	N13			RIGID	None	None	RIGID	Typical
13	M13	N6	N12			RIGID	None	None	RIGID	Typical
14	M14	N14	N15			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
15	M27	N26	N27A			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
16	M43	N38	N42			RIGID	None	None	RIGID	Typical
17	M44	N39	N43			RIGID	None	None	RIGID	Typical
18	LIVE1	N41A	N45			RIGID	None	None	RIGID	Typical
19	LIVE2	N41	N44			RIGID	None	None	RIGID	Typical
20	MP4A	N46	N50			Mount Pipe	Column	Single Angle	A53 Gr.B	Typical
21	MP3A	N47	N51			Mount Pipe	Column	Single Angle	A53 Gr.B	Typical
22	MP2A	N49	N53			Mount Pipe	Column	Single Angle	A53 Gr.B	Typical
23	MP1A	N48	N52			Mount Pipe	Column	Single Angle	A53 Gr.B	Typical
24	M71	N90A	N91A			Support Rail	Column	Pipe	A53 Gr.B	Typical
25	M74	N94	N100			RIGID	None	None	RIGID	Typical
26	M75	N93A	N99			RIGID	None	None	RIGID	Typical
27	M80	N138	N99			Upper Corner ...	Column	Single Angle	A36 Gr.36	Typical
28	M65	N73	N77			RIGID	None	None	RIGID	Typical
29	M66	N74	N78			RIGID	None	None	RIGID	Typical
30	M67	N76	N80			RIGID	None	None	RIGID	Typical
31	M68A	N75	N79			RIGID	None	None	RIGID	Typical
32	M93	N131	N132			Support Rail	Column	Pipe	A53 Gr.B	Typical
33	M94	N130	N129			RIGID	None	None	RIGID	Typical
34	M70B	N132A	N130A			RIGID	None	None	RIGID	Typical
35	M71B	N131A	N130A			RIGID	None	None	RIGID	Typical
36	M72B	N135A	N133A			RIGID	None	None	RIGID	Typical
37	M73A	N134A	N133A			RIGID	None	None	RIGID	Typical
38	M74A	N138A	N136A			RIGID	None	None	RIGID	Typical
39	M75A	N137A	N136A			RIGID	None	None	RIGID	Typical
40	M76A	N133A	N130A			RIGID	None	None	RIGID	Typical
41	M77B	N136A	N130A			RIGID	None	None	RIGID	Typical
42	M78B	N132A	N135A			RIGID	None	None	RIGID	Typical
43	M79B	N131A	N134A			RIGID	None	None	RIGID	Typical
44	M80B	N132A	N138A			RIGID	None	None	RIGID	Typical
45	M81A	N131A	N137A			RIGID	None	None	RIGID	Typical
46	M82A	N141A	N139A			RIGID	None	None	RIGID	Typical
47	M83A	N140A	N139A			RIGID	None	None	RIGID	Typical
48	M84A	N144A	N142A			RIGID	None	None	RIGID	Typical
49	M85	N143A	N142A			RIGID	None	None	RIGID	Typical
50	M86	N147A	N145A			RIGID	None	None	RIGID	Typical
51	M87	N146A	N145A			RIGID	None	None	RIGID	Typical
52	M88	N142A	N139A			RIGID	None	None	RIGID	Typical
53	M89A	N145A	N139A			RIGID	None	None	RIGID	Typical
54	M90A	N141A	N144A			RIGID	None	None	RIGID	Typical
55	M91A	N140A	N143A			RIGID	None	None	RIGID	Typical
56	M92A	N141A	N147A			RIGID	None	None	RIGID	Typical
57	M93A	N140A	N146A			RIGID	None	None	RIGID	Typical
58	FACE	N140A	N132A			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
59	M95A	N131A	N7			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
60	M96A	N6	N141A			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
61	M64	N85	N89			RIGID	None	None	RIGID	Typical
62	M65A	N86	N90B			RIGID	None	None	RIGID	Typical
63	M66A	N88	N92A			RIGID	None	None	RIGID	Typical
64	M67A	N87	N91B			RIGID	None	None	RIGID	Typical
65	MP4C	N93B	N97		240	Mount Pipe	Column	Single Angle	A53 Gr.B	Typical
66	MP3C	N94A	N98A		240	Mount Pipe	Column	Single Angle	A53 Gr.B	Typical
67	MP2C	N96	N100A		240	Mount Pipe	Column	Single Angle	A53 Gr.B	Typical
68	MP1C	N95	N99A		240	Mount Pipe	Column	Single Angle	A53 Gr.B	Typical
69	M72	N101	N102			Support Rail	Column	Pipe	A53 Gr.B	Typical
70	M73	N104A	N106			RIGID	None	None	RIGID	Typical
71	M75B	N107	N111			RIGID	None	None	RIGID	Typical
72	M76B	N108	N112			RIGID	None	None	RIGID	Typical
73	M77	N110	N114A			RIGID	None	None	RIGID	Typical
74	M78	N109	N113			RIGID	None	None	RIGID	Typical
75	M79	N117	N121			RIGID	None	None	RIGID	Typical
76	M80A	N118	N122			RIGID	None	None	RIGID	Typical
77	M81	N120	N124			RIGID	None	None	RIGID	Typical
78	M82	N119	N123			RIGID	None	None	RIGID	Typical
79	MP4B	N125	N129A		120	Mount Pipe	Column	Single Angle	A53 Gr.B	Typical
80	MP3B	N126	N130B		120	Mount Pipe	Column	Single Angle	A53 Gr.B	Typical
81	MP2B	N128	N132B		120	Mount Pipe	Column	Single Angle	A53 Gr.B	Typical
82	MP1B	N127	N131B		120	Mount Pipe	Column	Single Angle	A53 Gr.B	Typical
83	M87A	N133	N134			Support Rail	Column	Pipe	A53 Gr.B	Typical
84	M88A	N136	N138			RIGID	None	None	RIGID	Typical
85	M90	N139B	N143			RIGID	None	None	RIGID	Typical
86	M91	N140D	N144			RIGID	None	None	RIGID	Typical
87	M92	N142D	N146			RIGID	None	None	RIGID	Typical
88	M93B	N141C	N145			RIGID	None	None	RIGID	Typical
89	M95	N143B	N144B			RIGID	None	None	RIGID	Typical
90	M96	N145B	N146B			RIGID	None	None	RIGID	Typical
91	M93C	N100	N144B			Upper Corner ...	Column	Single Angle	A36 Gr.36	Typical
92	M94B	N106	N146B			Upper Corner ...	Column	Single Angle	A36 Gr.36	Typical
93	DC	N147	N148		240	Support Rail	Column	Pipe	A53 Gr.B	Typical
94	M96B	N146C	N145C			RIGID	None	None	RIGID	Typical
95	M95B	N143C	N144C			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
96	M96C	N145D	N146D			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
97	M97	N147B	N148A			Kicker	Column	Double Angle (...	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M4	Standoff Ho...	7.615			Lbyy						Lateral
2	M14	Standoff Ho...	7.615			Lbyy						Lateral
3	M27	Standoff Ho...	7.615			Lbyy						Lateral
4	MP4A	Mount Pipe	8.5									Lateral
5	MP3A	Mount Pipe	8.5									Lateral
6	MP2A	Mount Pipe	8.5									Lateral
7	MP1A	Mount Pipe	8.5									Lateral
8	M71	Support Rail	13.672			Lbyy						Lateral
9	M80	Upper Corn...	2.094									Lateral
10	M93	Support Rail	4									Lateral
11	FACE	Face Horizo...	13.672			Lbyy						Lateral
12	M95A	Face Horizo...	13.672			Lbyy						Lateral
13	M96A	Face Horizo...	13.672			Lbyy						Lateral
14	MP4C	Mount Pipe	8.5									Lateral
15	MP3C	Mount Pipe	8.5									Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
16	MP2C	Mount Pipe	8.5									Lateral
17	MP1C	Mount Pipe	8.5									Lateral
18	M72	Support Rail	13.672			Lbyy						Lateral
19	MP4B	Mount Pipe	8.5									Lateral
20	MP3B	Mount Pipe	8.5									Lateral
21	MP2B	Mount Pipe	8.5									Lateral
22	MP1B	Mount Pipe	8.5									Lateral
23	M87A	Support Rail	13.672			Lbyy						Lateral
24	M93C	Upper Corn...	2.094									Lateral
25	M94B	Upper Corn...	2.094									Lateral
26	DC	Support Rail	4									Lateral
27	M95B	Kicker	5.504									Lateral
28	M96C	Kicker	5.504									Lateral
29	M97	Kicker	5.504									Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-17.6	3.25
2	MP2A	My	.008	3.25
3	MP2A	Mz	-.004	3.25
4	M93	Y	-32	1
5	M93	My	0	1
6	M93	Mz	0	1
7	MP2A	Y	-31.65	.5
8	MP2A	My	-.008	.5
9	MP2A	Mz	.024	.5
10	MP2A	Y	-31.65	5.5
11	MP2A	My	-.008	5.5
12	MP2A	Mz	.024	5.5
13	MP2B	Y	-31.65	.5
14	MP2B	My	-.009	.5
15	MP2B	Mz	-.023	.5
16	MP2B	Y	-31.65	5.5
17	MP2B	My	-.009	5.5
18	MP2B	Mz	-.023	5.5
19	MP2C	Y	-31.65	.5
20	MP2C	My	.024	.5
21	MP2C	Mz	-.007	.5
22	MP2C	Y	-31.65	5.5
23	MP2C	My	.024	5.5
24	MP2C	Mz	-.007	5.5
25	MP2A	Y	-31.65	.5
26	MP2A	My	-.008	.5
27	MP2A	Mz	-.024	.5
28	MP2A	Y	-31.65	5.5
29	MP2A	My	-.008	5.5
30	MP2A	Mz	-.024	5.5
31	MP2B	Y	-31.65	.5
32	MP2B	My	.021	.5
33	MP2B	Mz	.013	.5
34	MP2B	Y	-31.65	5.5
35	MP2B	My	.021	5.5
36	MP2B	Mz	.013	5.5
37	MP2C	Y	-31.65	.5
38	MP2C	My	-.015	.5
39	MP2C	Mz	.02	.5
40	MP2C	Y	-31.65	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP2C	My	-.015	5.5
42	MP2C	Mz	.02	5.5
43	MP3A	Y	-4.4	2
44	MP3A	My	-.001	2
45	MP3A	Mz	0	2
46	MP3B	Y	-4.4	2
47	MP3B	My	.000843	2
48	MP3B	Mz	-.000707	2
49	MP3C	Y	-4.4	2
50	MP3C	My	.000631	2
51	MP3C	Mz	.000901	2
52	MP2A	Y	-10.4	5.08
53	MP2A	My	.003	5.08
54	MP2A	Mz	0	5.08
55	MP2B	Y	-10.4	5.08
56	MP2B	My	-.002	5.08
57	MP2B	Mz	.002	5.08
58	MP2C	Y	-10.4	5.08
59	MP2C	My	-.001	5.08
60	MP2C	Mz	-.002	5.08
61	MP2A	Y	-84.4	1.5
62	MP2A	My	.021	1.5
63	MP2A	Mz	.067	1.5
64	MP2B	Y	-84.4	1.5
65	MP2B	My	-.059	1.5
66	MP2B	Mz	-.038	1.5
67	MP2C	Y	-84.4	1.5
68	MP2C	My	.043	1.5
69	MP2C	Mz	-.056	1.5
70	MP2A	Y	-70.3	1.5
71	MP2A	My	.018	1.5
72	MP2A	Mz	-.056	1.5
73	MP2B	Y	-70.3	1.5
74	MP2B	My	.022	1.5
75	MP2B	Mz	.054	1.5
76	MP2C	Y	-70.3	1.5
77	MP2C	My	-.056	1.5
78	MP2C	Mz	.018	1.5
79	MP1A	Y	-43.55	2.9
80	MP1A	My	-.011	2.9
81	MP1A	Mz	0	2.9
82	MP1A	Y	-43.55	4.3
83	MP1A	My	-.011	4.3
84	MP1A	Mz	0	4.3
85	MP1B	Y	-43.55	2.9
86	MP1B	My	.008	2.9
87	MP1B	Mz	-.007	2.9
88	MP1B	Y	-43.55	4.3
89	MP1B	My	.008	4.3
90	MP1B	Mz	-.007	4.3
91	MP1C	Y	-43.55	2.9
92	MP1C	My	.006	2.9
93	MP1C	Mz	.009	2.9
94	MP1C	Y	-43.55	4.3
95	MP1C	My	.006	4.3
96	MP1C	Mz	.009	4.3
97	MP2A	Y	-52.9	7
98	MP2A	My	.013	7
99	MP2A	Mz	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP2B	Y	-52.9	7
101	MP2B	My	-.01	7
102	MP2B	Mz	.009	7
103	MP2C	Y	-52.9	7
104	MP2C	My	-.008	7
105	MP2C	Mz	-.011	7
106	DC	Y	-32	1
107	DC	My	0	1
108	DC	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-17.357	3.25
2	MP2A	My	.008	3.25
3	MP2A	Mz	-.004	3.25
4	M93	Y	-87.967	1
5	M93	My	0	1
6	M93	Mz	0	1
7	MP2A	Y	-69.99	.5
8	MP2A	My	-.017	.5
9	MP2A	Mz	.052	.5
10	MP2A	Y	-69.99	5.5
11	MP2A	My	-.017	5.5
12	MP2A	Mz	.052	5.5
13	MP2B	Y	-69.99	.5
14	MP2B	My	-.02	.5
15	MP2B	Mz	-.051	.5
16	MP2B	Y	-69.99	5.5
17	MP2B	My	-.02	5.5
18	MP2B	Mz	-.051	5.5
19	MP2C	Y	-69.99	.5
20	MP2C	My	.053	.5
21	MP2C	Mz	-.016	.5
22	MP2C	Y	-69.99	5.5
23	MP2C	My	.053	5.5
24	MP2C	Mz	-.016	5.5
25	MP2A	Y	-69.99	.5
26	MP2A	My	-.017	.5
27	MP2A	Mz	-.052	.5
28	MP2A	Y	-69.99	5.5
29	MP2A	My	-.017	5.5
30	MP2A	Mz	-.052	5.5
31	MP2B	Y	-69.99	.5
32	MP2B	My	.047	.5
33	MP2B	Mz	.029	.5
34	MP2B	Y	-69.99	5.5
35	MP2B	My	.047	5.5
36	MP2B	Mz	.029	5.5
37	MP2C	Y	-69.99	.5
38	MP2C	My	-.033	.5
39	MP2C	Mz	.044	.5
40	MP2C	Y	-69.99	5.5
41	MP2C	My	-.033	5.5
42	MP2C	Mz	.044	5.5
43	MP3A	Y	-13.458	2
44	MP3A	My	-.003	2
45	MP3A	Mz	0	2
46	MP3B	Y	-13.458	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP3B	My	.003	2
48	MP3B	Mz	-.002	2
49	MP3C	Y	-13.458	2
50	MP3C	My	.002	2
51	MP3C	Mz	.003	2
52	MP2A	Y	-10.748	5.08
53	MP2A	My	.003	5.08
54	MP2A	Mz	0	5.08
55	MP2B	Y	-10.748	5.08
56	MP2B	My	-.002	5.08
57	MP2B	Mz	.002	5.08
58	MP2C	Y	-10.748	5.08
59	MP2C	My	-.002	5.08
60	MP2C	Mz	-.002	5.08
61	MP2A	Y	-44.929	1.5
62	MP2A	My	.011	1.5
63	MP2A	Mz	.036	1.5
64	MP2B	Y	-44.929	1.5
65	MP2B	My	-.031	1.5
66	MP2B	Mz	-.02	1.5
67	MP2C	Y	-44.929	1.5
68	MP2C	My	.023	1.5
69	MP2C	Mz	-.03	1.5
70	MP2A	Y	-40.405	1.5
71	MP2A	My	.01	1.5
72	MP2A	Mz	-.032	1.5
73	MP2B	Y	-40.405	1.5
74	MP2B	My	.013	1.5
75	MP2B	Mz	.031	1.5
76	MP2C	Y	-40.405	1.5
77	MP2C	My	-.032	1.5
78	MP2C	Mz	.01	1.5
79	MP1A	Y	-35.636	2.9
80	MP1A	My	-.009	2.9
81	MP1A	Mz	0	2.9
82	MP1A	Y	-35.636	4.3
83	MP1A	My	-.009	4.3
84	MP1A	Mz	0	4.3
85	MP1B	Y	-35.636	2.9
86	MP1B	My	.007	2.9
87	MP1B	Mz	-.006	2.9
88	MP1B	Y	-35.636	4.3
89	MP1B	My	.007	4.3
90	MP1B	Mz	-.006	4.3
91	MP1C	Y	-35.636	2.9
92	MP1C	My	.005	2.9
93	MP1C	Mz	.007	2.9
94	MP1C	Y	-35.636	4.3
95	MP1C	My	.005	4.3
96	MP1C	Mz	.007	4.3
97	MP2A	Y	-37.406	7
98	MP2A	My	.009	7
99	MP2A	Mz	0	7
100	MP2B	Y	-37.406	7
101	MP2B	My	-.007	7
102	MP2B	Mz	.006	7
103	MP2C	Y	-37.406	7
104	MP2C	My	-.005	7
105	MP2C	Mz	-.008	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	DC	Y	-87.967	1
107	DC	My	0	1
108	DC	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	3.25
2	MP2A	Z	-26.912	3.25
3	MP2A	Mx	.007	3.25
4	M93	X	0	1
5	M93	Z	-101.157	1
6	M93	Mx	0	1
7	MP2A	X	0	.5
8	MP2A	Z	-154.621	.5
9	MP2A	Mx	-.116	.5
10	MP2A	X	0	5.5
11	MP2A	Z	-154.621	5.5
12	MP2A	Mx	-.116	5.5
13	MP2B	X	0	.5
14	MP2B	Z	-132.694	.5
15	MP2B	Mx	.098	.5
16	MP2B	X	0	5.5
17	MP2B	Z	-132.694	5.5
18	MP2B	Mx	.098	5.5
19	MP2C	X	0	.5
20	MP2C	Z	-119.012	.5
21	MP2C	Mx	.027	.5
22	MP2C	X	0	5.5
23	MP2C	Z	-119.012	5.5
24	MP2C	Mx	.027	5.5
25	MP2A	X	0	.5
26	MP2A	Z	-154.621	.5
27	MP2A	Mx	.116	.5
28	MP2A	X	0	5.5
29	MP2A	Z	-154.621	5.5
30	MP2A	Mx	.116	5.5
31	MP2B	X	0	.5
32	MP2B	Z	-132.694	.5
33	MP2B	Mx	-.055	.5
34	MP2B	X	0	5.5
35	MP2B	Z	-132.694	5.5
36	MP2B	Mx	-.055	5.5
37	MP2C	X	0	.5
38	MP2C	Z	-119.012	.5
39	MP2C	Mx	-.076	.5
40	MP2C	X	0	5.5
41	MP2C	Z	-119.012	5.5
42	MP2C	Mx	-.076	5.5
43	MP3A	X	0	2
44	MP3A	Z	-30.211	2
45	MP3A	Mx	0	2
46	MP3B	X	0	2
47	MP3B	Z	-20.177	2
48	MP3B	Mx	.003	2
49	MP3C	X	0	2
50	MP3C	Z	-13.915	2
51	MP3C	Mx	-.003	2
52	MP2A	X	0	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2A	Z	-12.56	5.08
54	MP2A	Mx	0	5.08
55	MP2B	X	0	5.08
56	MP2B	Z	-10.961	5.08
57	MP2B	Mx	-.002	5.08
58	MP2C	X	0	5.08
59	MP2C	Z	-9.963	5.08
60	MP2C	Mx	.002	5.08
61	MP2A	X	0	1.5
62	MP2A	Z	-52.615	1.5
63	MP2A	Mx	-.042	1.5
64	MP2B	X	0	1.5
65	MP2B	Z	-45.462	1.5
66	MP2B	Mx	.02	1.5
67	MP2C	X	0	1.5
68	MP2C	Z	-40.999	1.5
69	MP2C	Mx	.027	1.5
70	MP2A	X	0	1.5
71	MP2A	Z	-52.615	1.5
72	MP2A	Mx	.042	1.5
73	MP2B	X	0	1.5
74	MP2B	Z	-42.797	1.5
75	MP2B	Mx	-.033	1.5
76	MP2C	X	0	1.5
77	MP2C	Z	-36.671	1.5
78	MP2C	Mx	-.009	1.5
79	MP1A	X	0	2.9
80	MP1A	Z	-66.533	2.9
81	MP1A	Mx	0	2.9
82	MP1A	X	0	4.3
83	MP1A	Z	-66.533	4.3
84	MP1A	Mx	0	4.3
85	MP1B	X	0	2.9
86	MP1B	Z	-48.51	2.9
87	MP1B	Mx	.008	2.9
88	MP1B	X	0	4.3
89	MP1B	Z	-48.51	4.3
90	MP1B	Mx	.008	4.3
91	MP1C	X	0	2.9
92	MP1C	Z	-37.263	2.9
93	MP1C	Mx	-.008	2.9
94	MP1C	X	0	4.3
95	MP1C	Z	-37.263	4.3
96	MP1C	Mx	-.008	4.3
97	MP2A	X	0	7
98	MP2A	Z	-66.533	7
99	MP2A	Mx	0	7
100	MP2B	X	0	7
101	MP2B	Z	-50.563	7
102	MP2B	Mx	-.008	7
103	MP2C	X	0	7
104	MP2C	Z	-40.597	7
105	MP2C	Mx	.008	7
106	DC	X	0	1
107	DC	Z	-101.157	1
108	DC	Mx	0	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.78	3.25
2	MP2A	Z	-13.475	3.25
3	MP2A	Mx	.007	3.25
4	M93	X	44.129	1
5	M93	Z	-76.433	1
6	M93	Mx	0	1
7	MP2A	X	70.677	.5
8	MP2A	Z	-122.416	.5
9	MP2A	Mx	-.109	.5
10	MP2A	X	70.677	5.5
11	MP2A	Z	-122.416	5.5
12	MP2A	Mx	-.109	5.5
13	MP2B	X	53.88	.5
14	MP2B	Z	-93.323	.5
15	MP2B	Mx	.053	.5
16	MP2B	X	53.88	5.5
17	MP2B	Z	-93.323	5.5
18	MP2B	Mx	.053	5.5
19	MP2C	X	72.571	.5
20	MP2C	Z	-125.697	.5
21	MP2C	Mx	.083	.5
22	MP2C	X	72.571	5.5
23	MP2C	Z	-125.697	5.5
24	MP2C	Mx	.083	5.5
25	MP2A	X	70.677	.5
26	MP2A	Z	-122.416	.5
27	MP2A	Mx	.074	.5
28	MP2A	X	70.677	5.5
29	MP2A	Z	-122.416	5.5
30	MP2A	Mx	.074	5.5
31	MP2B	X	53.88	.5
32	MP2B	Z	-93.323	.5
33	MP2B	Mx	-.002	.5
34	MP2B	X	53.88	5.5
35	MP2B	Z	-93.323	5.5
36	MP2B	Mx	-.002	5.5
37	MP2C	X	72.571	.5
38	MP2C	Z	-125.697	.5
39	MP2C	Mx	-.114	.5
40	MP2C	X	72.571	5.5
41	MP2C	Z	-125.697	5.5
42	MP2C	Mx	-.114	5.5
43	MP3A	X	12.07	2
44	MP3A	Z	-20.906	2
45	MP3A	Mx	-.003	2
46	MP3B	X	4.383	2
47	MP3B	Z	-7.591	2
48	MP3B	Mx	.002	2
49	MP3C	X	12.937	2
50	MP3C	Z	-22.407	2
51	MP3C	Mx	-.003	2
52	MP2A	X	5.796	5.08
53	MP2A	Z	-10.039	5.08
54	MP2A	Mx	.001	5.08
55	MP2B	X	4.571	5.08
56	MP2B	Z	-7.918	5.08
57	MP2B	Mx	-.002	5.08
58	MP2C	X	5.934	5.08
59	MP2C	Z	-10.278	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2C	Mx	.001	5.08
61	MP2A	X	24.144	1.5
62	MP2A	Z	-41.818	1.5
63	MP2A	Mx	-.027	1.5
64	MP2B	X	18.664	1.5
65	MP2B	Z	-32.327	1.5
66	MP2B	Mx	.001	1.5
67	MP2C	X	24.762	1.5
68	MP2C	Z	-42.888	1.5
69	MP2C	Mx	.041	1.5
70	MP2A	X	23.337	1.5
71	MP2A	Z	-40.422	1.5
72	MP2A	Mx	.038	1.5
73	MP2B	X	15.817	1.5
74	MP2B	Z	-27.395	1.5
75	MP2B	Mx	-.016	1.5
76	MP2C	X	24.186	1.5
77	MP2C	Z	-41.891	1.5
78	MP2C	Mx	-.03	1.5
79	MP1A	X	27.814	2.9
80	MP1A	Z	-48.175	2.9
81	MP1A	Mx	-.007	2.9
82	MP1A	X	27.814	4.3
83	MP1A	Z	-48.175	4.3
84	MP1A	Mx	-.007	4.3
85	MP1B	X	14.008	2.9
86	MP1B	Z	-24.262	2.9
87	MP1B	Mx	.007	2.9
88	MP1B	X	14.008	4.3
89	MP1B	Z	-24.262	4.3
90	MP1B	Mx	.007	4.3
91	MP1C	X	29.371	2.9
92	MP1C	Z	-50.872	2.9
93	MP1C	Mx	-.006	2.9
94	MP1C	X	29.371	4.3
95	MP1C	Z	-50.872	4.3
96	MP1C	Mx	-.006	4.3
97	MP2A	X	28.435	7
98	MP2A	Z	-49.251	7
99	MP2A	Mx	.007	7
100	MP2B	X	16.201	7
101	MP2B	Z	-28.061	7
102	MP2B	Mx	-.008	7
103	MP2C	X	29.815	7
104	MP2C	Z	-51.64	7
105	MP2C	Mx	.006	7
106	DC	X	44.129	1
107	DC	Z	-76.433	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.56	3.25
2	MP2A	Z	-4.942	3.25
3	MP2A	Mx	.005	3.25
4	M93	X	70.848	1
5	M93	Z	-40.904	1
6	M93	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2A	X	99.437	.5
8	MP2A	Z	-57.41	.5
9	MP2A	Mx	-.068	.5
10	MP2A	X	99.437	5.5
11	MP2A	Z	-57.41	5.5
12	MP2A	Mx	-.068	5.5
13	MP2B	X	89.333	.5
14	MP2B	Z	-51.577	.5
15	MP2B	Mx	.012	.5
16	MP2B	X	89.333	5.5
17	MP2B	Z	-51.577	5.5
18	MP2B	Mx	.012	5.5
19	MP2C	X	133.556	.5
20	MP2C	Z	-77.109	.5
21	MP2C	Mx	.119	.5
22	MP2C	X	133.556	5.5
23	MP2C	Z	-77.109	5.5
24	MP2C	Mx	.119	5.5
25	MP2A	X	99.437	.5
26	MP2A	Z	-57.41	.5
27	MP2A	Mx	.018	.5
28	MP2A	X	99.437	5.5
29	MP2A	Z	-57.41	5.5
30	MP2A	Mx	.018	5.5
31	MP2B	X	89.333	.5
32	MP2B	Z	-51.577	.5
33	MP2B	Mx	.039	.5
34	MP2B	X	89.333	5.5
35	MP2B	Z	-51.577	5.5
36	MP2B	Mx	.039	5.5
37	MP2C	X	133.556	.5
38	MP2C	Z	-77.109	.5
39	MP2C	Mx	-.112	.5
40	MP2C	X	133.556	5.5
41	MP2C	Z	-77.109	5.5
42	MP2C	Mx	-.112	5.5
43	MP3A	X	10.389	2
44	MP3A	Z	-5.998	2
45	MP3A	Mx	-.003	2
46	MP3B	X	5.765	2
47	MP3B	Z	-3.328	2
48	MP3B	Mx	.002	2
49	MP3C	X	26.004	2
50	MP3C	Z	-15.013	2
51	MP3C	Mx	.000654	2
52	MP2A	X	8.364	5.08
53	MP2A	Z	-4.829	5.08
54	MP2A	Mx	.002	5.08
55	MP2B	X	7.627	5.08
56	MP2B	Z	-4.403	5.08
57	MP2B	Mx	-.002	5.08
58	MP2C	X	10.852	5.08
59	MP2C	Z	-6.265	5.08
60	MP2C	Mx	-.000273	5.08
61	MP2A	X	34.322	1.5
62	MP2A	Z	-19.816	1.5
63	MP2A	Mx	-.007	1.5
64	MP2B	X	31.025	1.5
65	MP2B	Z	-17.913	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2B	Mx	-.014	1.5
67	MP2C	X	45.452	1.5
68	MP2C	Z	-26.242	1.5
69	MP2C	Mx	.04	1.5
70	MP2A	X	30.132	1.5
71	MP2A	Z	-17.397	1.5
72	MP2A	Mx	.021	1.5
73	MP2B	X	25.608	1.5
74	MP2B	Z	-14.785	1.5
75	MP2B	Mx	-.003	1.5
76	MP2C	X	45.41	1.5
77	MP2C	Z	-26.217	1.5
78	MP2C	Mx	-.042	1.5
79	MP1A	X	29.287	2.9
80	MP1A	Z	-16.909	2.9
81	MP1A	Mx	-.007	2.9
82	MP1A	X	29.287	4.3
83	MP1A	Z	-16.909	4.3
84	MP1A	Mx	-.007	4.3
85	MP1B	X	20.982	2.9
86	MP1B	Z	-12.114	2.9
87	MP1B	Mx	.006	2.9
88	MP1B	X	20.982	4.3
89	MP1B	Z	-12.114	4.3
90	MP1B	Mx	.006	4.3
91	MP1C	X	57.332	2.9
92	MP1C	Z	-33.101	2.9
93	MP1C	Mx	.001	2.9
94	MP1C	X	57.332	4.3
95	MP1C	Z	-33.101	4.3
96	MP1C	Mx	.001	4.3
97	MP2A	X	32.514	7
98	MP2A	Z	-18.772	7
99	MP2A	Mx	.008	7
100	MP2B	X	25.154	7
101	MP2B	Z	-14.523	7
102	MP2B	Mx	-.007	7
103	MP2C	X	57.365	7
104	MP2C	Z	-33.12	7
105	MP2C	Mx	-.001	7
106	DC	X	70.848	1
107	DC	Z	-40.904	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	15.56	3.25
2	MP2A	Z	0	3.25
3	MP2A	Mx	.007	3.25
4	M93	X	88.258	1
5	M93	Z	0	1
6	M93	Mx	0	1
7	MP2A	X	101.553	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	-.025	.5
10	MP2A	X	101.553	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	-.025	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2B	X	123.479	.5
14	MP2B	Z	0	.5
15	MP2B	Mx	-.036	.5
16	MP2B	X	123.479	5.5
17	MP2B	Z	0	5.5
18	MP2B	Mx	-.036	5.5
19	MP2C	X	137.162	.5
20	MP2C	Z	0	.5
21	MP2C	Mx	.104	.5
22	MP2C	X	137.162	5.5
23	MP2C	Z	0	5.5
24	MP2C	Mx	.104	5.5
25	MP2A	X	101.553	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	-.025	.5
28	MP2A	X	101.553	5.5
29	MP2A	Z	0	5.5
30	MP2A	Mx	-.025	5.5
31	MP2B	X	123.479	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	.083	.5
34	MP2B	X	123.479	5.5
35	MP2B	Z	0	5.5
36	MP2B	Mx	.083	5.5
37	MP2C	X	137.162	.5
38	MP2C	Z	0	.5
39	MP2C	Mx	-.065	.5
40	MP2C	X	137.162	5.5
41	MP2C	Z	0	5.5
42	MP2C	Mx	-.065	5.5
43	MP3A	X	5.925	2
44	MP3A	Z	0	2
45	MP3A	Mx	-.001	2
46	MP3B	X	15.959	2
47	MP3B	Z	0	2
48	MP3B	Mx	.003	2
49	MP3C	X	22.221	2
50	MP3C	Z	0	2
51	MP3C	Mx	.003	2
52	MP2A	X	8.69	5.08
53	MP2A	Z	0	5.08
54	MP2A	Mx	.002	5.08
55	MP2B	X	10.289	5.08
56	MP2B	Z	0	5.08
57	MP2B	Mx	-.002	5.08
58	MP2C	X	11.287	5.08
59	MP2C	Z	0	5.08
60	MP2C	Mx	-.002	5.08
61	MP2A	X	35.303	1.5
62	MP2A	Z	0	1.5
63	MP2A	Mx	.009	1.5
64	MP2B	X	42.456	1.5
65	MP2B	Z	0	1.5
66	MP2B	Mx	-.03	1.5
67	MP2C	X	46.92	1.5
68	MP2C	Z	0	1.5
69	MP2C	Mx	.024	1.5
70	MP2A	X	28.853	1.5
71	MP2A	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2A	Mx	.007	1.5
73	MP2B	X	38.671	1.5
74	MP2B	Z	0	1.5
75	MP2B	Mx	.012	1.5
76	MP2C	X	44.798	1.5
77	MP2C	Z	0	1.5
78	MP2C	Mx	-.035	1.5
79	MP1A	X	22.913	2.9
80	MP1A	Z	0	2.9
81	MP1A	Mx	-.006	2.9
82	MP1A	X	22.913	4.3
83	MP1A	Z	0	4.3
84	MP1A	Mx	-.006	4.3
85	MP1B	X	40.936	2.9
86	MP1B	Z	0	2.9
87	MP1B	Mx	.008	2.9
88	MP1B	X	40.936	4.3
89	MP1B	Z	0	4.3
90	MP1B	Mx	.008	4.3
91	MP1C	X	52.182	2.9
92	MP1C	Z	0	2.9
93	MP1C	Mx	.007	2.9
94	MP1C	X	52.182	4.3
95	MP1C	Z	0	4.3
96	MP1C	Mx	.007	4.3
97	MP2A	X	27.88	7
98	MP2A	Z	0	7
99	MP2A	Mx	.007	7
100	MP2B	X	43.851	7
101	MP2B	Z	0	7
102	MP2B	Mx	-.008	7
103	MP2C	X	53.817	7
104	MP2C	Z	0	7
105	MP2C	Mx	-.008	7
106	DC	X	88.258	1
107	DC	Z	0	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	23.306	3.25
2	MP2A	Z	13.456	3.25
3	MP2A	Mx	.007	3.25
4	M93	X	87.604	1
5	M93	Z	50.578	1
6	M93	Mx	0	1
7	MP2A	X	99.437	.5
8	MP2A	Z	57.41	.5
9	MP2A	Mx	.018	.5
10	MP2A	X	99.437	5.5
11	MP2A	Z	57.41	5.5
12	MP2A	Mx	.018	5.5
13	MP2B	X	128.529	.5
14	MP2B	Z	74.206	.5
15	MP2B	Mx	-.092	.5
16	MP2B	X	128.529	5.5
17	MP2B	Z	74.206	5.5
18	MP2B	Mx	-.092	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2C	X	96.156	.5
20	MP2C	Z	55.516	.5
21	MP2C	Mx	.06	.5
22	MP2C	X	96.156	5.5
23	MP2C	Z	55.516	5.5
24	MP2C	Mx	.06	5.5
25	MP2A	X	99.437	.5
26	MP2A	Z	57.41	.5
27	MP2A	Mx	-.068	.5
28	MP2A	X	99.437	5.5
29	MP2A	Z	57.41	5.5
30	MP2A	Mx	-.068	5.5
31	MP2B	X	128.529	.5
32	MP2B	Z	74.206	.5
33	MP2B	Mx	.117	.5
34	MP2B	X	128.529	5.5
35	MP2B	Z	74.206	5.5
36	MP2B	Mx	.117	5.5
37	MP2C	X	96.156	.5
38	MP2C	Z	55.516	.5
39	MP2C	Mx	-.01	.5
40	MP2C	X	96.156	5.5
41	MP2C	Z	55.516	5.5
42	MP2C	Mx	-.01	5.5
43	MP3A	X	10.389	2
44	MP3A	Z	5.998	2
45	MP3A	Mx	-.003	2
46	MP3B	X	23.703	2
47	MP3B	Z	13.685	2
48	MP3B	Mx	.002	2
49	MP3C	X	8.887	2
50	MP3C	Z	5.131	2
51	MP3C	Mx	.002	2
52	MP2A	X	8.364	5.08
53	MP2A	Z	4.829	5.08
54	MP2A	Mx	.002	5.08
55	MP2B	X	10.485	5.08
56	MP2B	Z	6.054	5.08
57	MP2B	Mx	-.001	5.08
58	MP2C	X	8.124	5.08
59	MP2C	Z	4.691	5.08
60	MP2C	Mx	-.002	5.08
61	MP2A	X	34.322	1.5
62	MP2A	Z	19.816	1.5
63	MP2A	Mx	.024	1.5
64	MP2B	X	43.812	1.5
65	MP2B	Z	25.295	1.5
66	MP2B	Mx	-.042	1.5
67	MP2C	X	33.251	1.5
68	MP2C	Z	19.198	1.5
69	MP2C	Mx	.004	1.5
70	MP2A	X	30.132	1.5
71	MP2A	Z	17.397	1.5
72	MP2A	Mx	-.006	1.5
73	MP2B	X	43.159	1.5
74	MP2B	Z	24.918	1.5
75	MP2B	Mx	.033	1.5
76	MP2C	X	28.663	1.5
77	MP2C	Z	16.549	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2C	Mx	-.019	1.5
79	MP1A	X	29.287	2.9
80	MP1A	Z	16.909	2.9
81	MP1A	Mx	-.007	2.9
82	MP1A	X	29.287	4.3
83	MP1A	Z	16.909	4.3
84	MP1A	Mx	-.007	4.3
85	MP1B	X	53.2	2.9
86	MP1B	Z	30.715	2.9
87	MP1B	Mx	.005	2.9
88	MP1B	X	53.2	4.3
89	MP1B	Z	30.715	4.3
90	MP1B	Mx	.005	4.3
91	MP1C	X	26.59	2.9
92	MP1C	Z	15.352	2.9
93	MP1C	Mx	.007	2.9
94	MP1C	X	26.59	4.3
95	MP1C	Z	15.352	4.3
96	MP1C	Mx	.007	4.3
97	MP2A	X	32.514	7
98	MP2A	Z	18.772	7
99	MP2A	Mx	.008	7
100	MP2B	X	53.703	7
101	MP2B	Z	31.006	7
102	MP2B	Mx	-.005	7
103	MP2C	X	30.124	7
104	MP2C	Z	17.392	7
105	MP2C	Mx	-.008	7
106	DC	X	87.604	1
107	DC	Z	50.578	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	16.294	3.25
2	MP2A	Z	28.222	3.25
3	MP2A	Mx	0	3.25
4	M93	X	53.803	1
5	M93	Z	93.19	1
6	M93	Mx	0	1
7	MP2A	X	70.677	.5
8	MP2A	Z	122.416	.5
9	MP2A	Mx	.074	.5
10	MP2A	X	70.677	5.5
11	MP2A	Z	122.416	5.5
12	MP2A	Mx	.074	5.5
13	MP2B	X	76.51	.5
14	MP2B	Z	132.52	.5
15	MP2B	Mx	-.12	.5
16	MP2B	X	76.51	5.5
17	MP2B	Z	132.52	5.5
18	MP2B	Mx	-.12	5.5
19	MP2C	X	50.978	.5
20	MP2C	Z	88.297	.5
21	MP2C	Mx	.019	.5
22	MP2C	X	50.978	5.5
23	MP2C	Z	88.297	5.5
24	MP2C	Mx	.019	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2A	X	70.677	.5
26	MP2A	Z	122.416	.5
27	MP2A	Mx	-.109	.5
28	MP2A	X	70.677	5.5
29	MP2A	Z	122.416	5.5
30	MP2A	Mx	-.109	5.5
31	MP2B	X	76.51	.5
32	MP2B	Z	132.52	.5
33	MP2B	Mx	.106	.5
34	MP2B	X	76.51	5.5
35	MP2B	Z	132.52	5.5
36	MP2B	Mx	.106	5.5
37	MP2C	X	50.978	.5
38	MP2C	Z	88.297	.5
39	MP2C	Mx	.032	.5
40	MP2C	X	50.978	5.5
41	MP2C	Z	88.297	5.5
42	MP2C	Mx	.032	5.5
43	MP3A	X	12.07	2
44	MP3A	Z	20.906	2
45	MP3A	Mx	-.003	2
46	MP3B	X	14.739	2
47	MP3B	Z	25.53	2
48	MP3B	Mx	-.001	2
49	MP3C	X	3.055	2
50	MP3C	Z	5.291	2
51	MP3C	Mx	.002	2
52	MP2A	X	5.796	5.08
53	MP2A	Z	10.039	5.08
54	MP2A	Mx	.001	5.08
55	MP2B	X	6.222	5.08
56	MP2B	Z	10.776	5.08
57	MP2B	Mx	.00054	5.08
58	MP2C	X	4.36	5.08
59	MP2C	Z	7.551	5.08
60	MP2C	Mx	-.002	5.08
61	MP2A	X	24.144	1.5
62	MP2A	Z	41.818	1.5
63	MP2A	Mx	.039	1.5
64	MP2B	X	26.047	1.5
65	MP2B	Z	45.114	1.5
66	MP2B	Mx	-.038	1.5
67	MP2C	X	17.717	1.5
68	MP2C	Z	30.687	1.5
69	MP2C	Mx	-.011	1.5
70	MP2A	X	23.337	1.5
71	MP2A	Z	40.422	1.5
72	MP2A	Mx	-.026	1.5
73	MP2B	X	25.949	1.5
74	MP2B	Z	44.946	1.5
75	MP2B	Mx	.043	1.5
76	MP2C	X	14.517	1.5
77	MP2C	Z	25.144	1.5
78	MP2C	Mx	-.005	1.5
79	MP1A	X	27.814	2.9
80	MP1A	Z	48.175	2.9
81	MP1A	Mx	-.007	2.9
82	MP1A	X	27.814	4.3
83	MP1A	Z	48.175	4.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1A	Mx	-.007	4.3
85	MP1B	X	32.609	2.9
86	MP1B	Z	56.48	2.9
87	MP1B	Mx	-.003	2.9
88	MP1B	X	32.609	4.3
89	MP1B	Z	56.48	4.3
90	MP1B	Mx	-.003	4.3
91	MP1C	X	11.622	2.9
92	MP1C	Z	20.13	2.9
93	MP1C	Mx	.006	2.9
94	MP1C	X	11.622	4.3
95	MP1C	Z	20.13	4.3
96	MP1C	Mx	.006	4.3
97	MP2A	X	28.435	7
98	MP2A	Z	49.251	7
99	MP2A	Mx	.007	7
100	MP2B	X	32.684	7
101	MP2B	Z	56.61	7
102	MP2B	Mx	.003	7
103	MP2C	X	14.087	7
104	MP2C	Z	24.399	7
105	MP2C	Mx	-.007	7
106	DC	X	53.803	1
107	DC	Z	93.19	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	3.25
2	MP2A	Z	26.912	3.25
3	MP2A	Mx	-.007	3.25
4	M93	X	0	1
5	M93	Z	101.157	1
6	M93	Mx	0	1
7	MP2A	X	0	.5
8	MP2A	Z	154.621	.5
9	MP2A	Mx	.116	.5
10	MP2A	X	0	5.5
11	MP2A	Z	154.621	5.5
12	MP2A	Mx	.116	5.5
13	MP2B	X	0	.5
14	MP2B	Z	132.694	.5
15	MP2B	Mx	-.098	.5
16	MP2B	X	0	5.5
17	MP2B	Z	132.694	5.5
18	MP2B	Mx	-.098	5.5
19	MP2C	X	0	.5
20	MP2C	Z	119.012	.5
21	MP2C	Mx	-.027	.5
22	MP2C	X	0	5.5
23	MP2C	Z	119.012	5.5
24	MP2C	Mx	-.027	5.5
25	MP2A	X	0	.5
26	MP2A	Z	154.621	.5
27	MP2A	Mx	-.116	.5
28	MP2A	X	0	5.5
29	MP2A	Z	154.621	5.5
30	MP2A	Mx	-.116	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2B	X	0	.5
32	MP2B	Z	132.694	.5
33	MP2B	Mx	.055	.5
34	MP2B	X	0	5.5
35	MP2B	Z	132.694	5.5
36	MP2B	Mx	.055	5.5
37	MP2C	X	0	.5
38	MP2C	Z	119.012	.5
39	MP2C	Mx	.076	.5
40	MP2C	X	0	5.5
41	MP2C	Z	119.012	5.5
42	MP2C	Mx	.076	5.5
43	MP3A	X	0	2
44	MP3A	Z	30.211	2
45	MP3A	Mx	0	2
46	MP3B	X	0	2
47	MP3B	Z	20.177	2
48	MP3B	Mx	-.003	2
49	MP3C	X	0	2
50	MP3C	Z	13.915	2
51	MP3C	Mx	.003	2
52	MP2A	X	0	5.08
53	MP2A	Z	12.56	5.08
54	MP2A	Mx	0	5.08
55	MP2B	X	0	5.08
56	MP2B	Z	10.961	5.08
57	MP2B	Mx	.002	5.08
58	MP2C	X	0	5.08
59	MP2C	Z	9.963	5.08
60	MP2C	Mx	-.002	5.08
61	MP2A	X	0	1.5
62	MP2A	Z	52.615	1.5
63	MP2A	Mx	.042	1.5
64	MP2B	X	0	1.5
65	MP2B	Z	45.462	1.5
66	MP2B	Mx	-.02	1.5
67	MP2C	X	0	1.5
68	MP2C	Z	40.999	1.5
69	MP2C	Mx	-.027	1.5
70	MP2A	X	0	1.5
71	MP2A	Z	52.615	1.5
72	MP2A	Mx	-.042	1.5
73	MP2B	X	0	1.5
74	MP2B	Z	42.797	1.5
75	MP2B	Mx	.033	1.5
76	MP2C	X	0	1.5
77	MP2C	Z	36.671	1.5
78	MP2C	Mx	.009	1.5
79	MP1A	X	0	2.9
80	MP1A	Z	66.533	2.9
81	MP1A	Mx	0	2.9
82	MP1A	X	0	4.3
83	MP1A	Z	66.533	4.3
84	MP1A	Mx	0	4.3
85	MP1B	X	0	2.9
86	MP1B	Z	48.51	2.9
87	MP1B	Mx	-.008	2.9
88	MP1B	X	0	4.3
89	MP1B	Z	48.51	4.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1B	Mx	-.008	4.3
91	MP1C	X	0	2.9
92	MP1C	Z	37.263	2.9
93	MP1C	Mx	.008	2.9
94	MP1C	X	0	4.3
95	MP1C	Z	37.263	4.3
96	MP1C	Mx	.008	4.3
97	MP2A	X	0	7
98	MP2A	Z	66.533	7
99	MP2A	Mx	0	7
100	MP2B	X	0	7
101	MP2B	Z	50.563	7
102	MP2B	Mx	.008	7
103	MP2C	X	0	7
104	MP2C	Z	40.597	7
105	MP2C	Mx	-.008	7
106	DC	X	0	1
107	DC	Z	101.157	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.78	3.25
2	MP2A	Z	13.475	3.25
3	MP2A	Mx	-.007	3.25
4	M93	X	-44.129	1
5	M93	Z	76.433	1
6	M93	Mx	0	1
7	MP2A	X	-70.677	.5
8	MP2A	Z	122.416	.5
9	MP2A	Mx	.109	.5
10	MP2A	X	-70.677	5.5
11	MP2A	Z	122.416	5.5
12	MP2A	Mx	.109	5.5
13	MP2B	X	-53.88	.5
14	MP2B	Z	93.323	.5
15	MP2B	Mx	-.053	.5
16	MP2B	X	-53.88	5.5
17	MP2B	Z	93.323	5.5
18	MP2B	Mx	-.053	5.5
19	MP2C	X	-72.571	.5
20	MP2C	Z	125.697	.5
21	MP2C	Mx	-.083	.5
22	MP2C	X	-72.571	5.5
23	MP2C	Z	125.697	5.5
24	MP2C	Mx	-.083	5.5
25	MP2A	X	-70.677	.5
26	MP2A	Z	122.416	.5
27	MP2A	Mx	-.074	.5
28	MP2A	X	-70.677	5.5
29	MP2A	Z	122.416	5.5
30	MP2A	Mx	-.074	5.5
31	MP2B	X	-53.88	.5
32	MP2B	Z	93.323	.5
33	MP2B	Mx	.002	.5
34	MP2B	X	-53.88	5.5
35	MP2B	Z	93.323	5.5
36	MP2B	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2C	X	-72.571	.5
38	MP2C	Z	125.697	.5
39	MP2C	Mx	.114	.5
40	MP2C	X	-72.571	5.5
41	MP2C	Z	125.697	5.5
42	MP2C	Mx	.114	5.5
43	MP3A	X	-12.07	2
44	MP3A	Z	20.906	2
45	MP3A	Mx	.003	2
46	MP3B	X	-4.383	2
47	MP3B	Z	7.591	2
48	MP3B	Mx	-.002	2
49	MP3C	X	-12.937	2
50	MP3C	Z	22.407	2
51	MP3C	Mx	.003	2
52	MP2A	X	-5.796	5.08
53	MP2A	Z	10.039	5.08
54	MP2A	Mx	-.001	5.08
55	MP2B	X	-4.571	5.08
56	MP2B	Z	7.918	5.08
57	MP2B	Mx	.002	5.08
58	MP2C	X	-5.934	5.08
59	MP2C	Z	10.278	5.08
60	MP2C	Mx	-.001	5.08
61	MP2A	X	-24.144	1.5
62	MP2A	Z	41.818	1.5
63	MP2A	Mx	.027	1.5
64	MP2B	X	-18.664	1.5
65	MP2B	Z	32.327	1.5
66	MP2B	Mx	-.001	1.5
67	MP2C	X	-24.762	1.5
68	MP2C	Z	42.888	1.5
69	MP2C	Mx	-.041	1.5
70	MP2A	X	-23.337	1.5
71	MP2A	Z	40.422	1.5
72	MP2A	Mx	-.038	1.5
73	MP2B	X	-15.817	1.5
74	MP2B	Z	27.395	1.5
75	MP2B	Mx	.016	1.5
76	MP2C	X	-24.186	1.5
77	MP2C	Z	41.891	1.5
78	MP2C	Mx	.03	1.5
79	MP1A	X	-27.814	2.9
80	MP1A	Z	48.175	2.9
81	MP1A	Mx	.007	2.9
82	MP1A	X	-27.814	4.3
83	MP1A	Z	48.175	4.3
84	MP1A	Mx	.007	4.3
85	MP1B	X	-14.008	2.9
86	MP1B	Z	24.262	2.9
87	MP1B	Mx	-.007	2.9
88	MP1B	X	-14.008	4.3
89	MP1B	Z	24.262	4.3
90	MP1B	Mx	-.007	4.3
91	MP1C	X	-29.371	2.9
92	MP1C	Z	50.872	2.9
93	MP1C	Mx	.006	2.9
94	MP1C	X	-29.371	4.3
95	MP1C	Z	50.872	4.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP1C	Mx	.006	4.3
97	MP2A	X	-28.435	7
98	MP2A	Z	49.251	7
99	MP2A	Mx	-.007	7
100	MP2B	X	-16.201	7
101	MP2B	Z	28.061	7
102	MP2B	Mx	.008	7
103	MP2C	X	-29.815	7
104	MP2C	Z	51.64	7
105	MP2C	Mx	-.006	7
106	DC	X	-44.129	1
107	DC	Z	76.433	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.56	3.25
2	MP2A	Z	4.942	3.25
3	MP2A	Mx	-.005	3.25
4	M93	X	-70.848	1
5	M93	Z	40.904	1
6	M93	Mx	0	1
7	MP2A	X	-99.437	.5
8	MP2A	Z	57.41	.5
9	MP2A	Mx	.068	.5
10	MP2A	X	-99.437	5.5
11	MP2A	Z	57.41	5.5
12	MP2A	Mx	.068	5.5
13	MP2B	X	-89.333	.5
14	MP2B	Z	51.577	.5
15	MP2B	Mx	-.012	.5
16	MP2B	X	-89.333	5.5
17	MP2B	Z	51.577	5.5
18	MP2B	Mx	-.012	5.5
19	MP2C	X	-133.556	.5
20	MP2C	Z	77.109	.5
21	MP2C	Mx	-.119	.5
22	MP2C	X	-133.556	5.5
23	MP2C	Z	77.109	5.5
24	MP2C	Mx	-.119	5.5
25	MP2A	X	-99.437	.5
26	MP2A	Z	57.41	.5
27	MP2A	Mx	-.018	.5
28	MP2A	X	-99.437	5.5
29	MP2A	Z	57.41	5.5
30	MP2A	Mx	-.018	5.5
31	MP2B	X	-89.333	.5
32	MP2B	Z	51.577	.5
33	MP2B	Mx	-.039	.5
34	MP2B	X	-89.333	5.5
35	MP2B	Z	51.577	5.5
36	MP2B	Mx	-.039	5.5
37	MP2C	X	-133.556	.5
38	MP2C	Z	77.109	.5
39	MP2C	Mx	.112	.5
40	MP2C	X	-133.556	5.5
41	MP2C	Z	77.109	5.5
42	MP2C	Mx	.112	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3A	X	-10.389	2
44	MP3A	Z	5.998	2
45	MP3A	Mx	.003	2
46	MP3B	X	-5.765	2
47	MP3B	Z	3.328	2
48	MP3B	Mx	-.002	2
49	MP3C	X	-26.004	2
50	MP3C	Z	15.013	2
51	MP3C	Mx	-.000654	2
52	MP2A	X	-8.364	5.08
53	MP2A	Z	4.829	5.08
54	MP2A	Mx	-.002	5.08
55	MP2B	X	-7.627	5.08
56	MP2B	Z	4.403	5.08
57	MP2B	Mx	.002	5.08
58	MP2C	X	-10.852	5.08
59	MP2C	Z	6.265	5.08
60	MP2C	Mx	.000273	5.08
61	MP2A	X	-34.322	1.5
62	MP2A	Z	19.816	1.5
63	MP2A	Mx	.007	1.5
64	MP2B	X	-31.025	1.5
65	MP2B	Z	17.913	1.5
66	MP2B	Mx	.014	1.5
67	MP2C	X	-45.452	1.5
68	MP2C	Z	26.242	1.5
69	MP2C	Mx	-.04	1.5
70	MP2A	X	-30.132	1.5
71	MP2A	Z	17.397	1.5
72	MP2A	Mx	-.021	1.5
73	MP2B	X	-25.608	1.5
74	MP2B	Z	14.785	1.5
75	MP2B	Mx	.003	1.5
76	MP2C	X	-45.41	1.5
77	MP2C	Z	26.217	1.5
78	MP2C	Mx	.042	1.5
79	MP1A	X	-29.287	2.9
80	MP1A	Z	16.909	2.9
81	MP1A	Mx	.007	2.9
82	MP1A	X	-29.287	4.3
83	MP1A	Z	16.909	4.3
84	MP1A	Mx	.007	4.3
85	MP1B	X	-20.982	2.9
86	MP1B	Z	12.114	2.9
87	MP1B	Mx	-.006	2.9
88	MP1B	X	-20.982	4.3
89	MP1B	Z	12.114	4.3
90	MP1B	Mx	-.006	4.3
91	MP1C	X	-57.332	2.9
92	MP1C	Z	33.101	2.9
93	MP1C	Mx	-.001	2.9
94	MP1C	X	-57.332	4.3
95	MP1C	Z	33.101	4.3
96	MP1C	Mx	-.001	4.3
97	MP2A	X	-32.514	7
98	MP2A	Z	18.772	7
99	MP2A	Mx	-.008	7
100	MP2B	X	-25.154	7
101	MP2B	Z	14.523	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP2B	Mx	.007	7
103	MP2C	X	-57.365	7
104	MP2C	Z	33.12	7
105	MP2C	Mx	.001	7
106	DC	X	-70.848	1
107	DC	Z	40.904	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-15.56	3.25
2	MP2A	Z	0	3.25
3	MP2A	Mx	-.007	3.25
4	M93	X	-88.258	1
5	M93	Z	0	1
6	M93	Mx	0	1
7	MP2A	X	-101.553	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	.025	.5
10	MP2A	X	-101.553	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	.025	5.5
13	MP2B	X	-123.479	.5
14	MP2B	Z	0	.5
15	MP2B	Mx	.036	.5
16	MP2B	X	-123.479	5.5
17	MP2B	Z	0	5.5
18	MP2B	Mx	.036	5.5
19	MP2C	X	-137.162	.5
20	MP2C	Z	0	.5
21	MP2C	Mx	-.104	.5
22	MP2C	X	-137.162	5.5
23	MP2C	Z	0	5.5
24	MP2C	Mx	-.104	5.5
25	MP2A	X	-101.553	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	.025	.5
28	MP2A	X	-101.553	5.5
29	MP2A	Z	0	5.5
30	MP2A	Mx	.025	5.5
31	MP2B	X	-123.479	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	-.083	.5
34	MP2B	X	-123.479	5.5
35	MP2B	Z	0	5.5
36	MP2B	Mx	-.083	5.5
37	MP2C	X	-137.162	.5
38	MP2C	Z	0	.5
39	MP2C	Mx	.065	.5
40	MP2C	X	-137.162	5.5
41	MP2C	Z	0	5.5
42	MP2C	Mx	.065	5.5
43	MP3A	X	-5.925	2
44	MP3A	Z	0	2
45	MP3A	Mx	.001	2
46	MP3B	X	-15.959	2
47	MP3B	Z	0	2
48	MP3B	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	X	-22.221	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.003	2
52	MP2A	X	-8.69	5.08
53	MP2A	Z	0	5.08
54	MP2A	Mx	-.002	5.08
55	MP2B	X	-10.289	5.08
56	MP2B	Z	0	5.08
57	MP2B	Mx	.002	5.08
58	MP2C	X	-11.287	5.08
59	MP2C	Z	0	5.08
60	MP2C	Mx	.002	5.08
61	MP2A	X	-35.303	1.5
62	MP2A	Z	0	1.5
63	MP2A	Mx	-.009	1.5
64	MP2B	X	-42.456	1.5
65	MP2B	Z	0	1.5
66	MP2B	Mx	.03	1.5
67	MP2C	X	-46.92	1.5
68	MP2C	Z	0	1.5
69	MP2C	Mx	-.024	1.5
70	MP2A	X	-28.853	1.5
71	MP2A	Z	0	1.5
72	MP2A	Mx	-.007	1.5
73	MP2B	X	-38.671	1.5
74	MP2B	Z	0	1.5
75	MP2B	Mx	-.012	1.5
76	MP2C	X	-44.798	1.5
77	MP2C	Z	0	1.5
78	MP2C	Mx	.035	1.5
79	MP1A	X	-22.913	2.9
80	MP1A	Z	0	2.9
81	MP1A	Mx	.006	2.9
82	MP1A	X	-22.913	4.3
83	MP1A	Z	0	4.3
84	MP1A	Mx	.006	4.3
85	MP1B	X	-40.936	2.9
86	MP1B	Z	0	2.9
87	MP1B	Mx	-.008	2.9
88	MP1B	X	-40.936	4.3
89	MP1B	Z	0	4.3
90	MP1B	Mx	-.008	4.3
91	MP1C	X	-52.182	2.9
92	MP1C	Z	0	2.9
93	MP1C	Mx	-.007	2.9
94	MP1C	X	-52.182	4.3
95	MP1C	Z	0	4.3
96	MP1C	Mx	-.007	4.3
97	MP2A	X	-27.88	7
98	MP2A	Z	0	7
99	MP2A	Mx	-.007	7
100	MP2B	X	-43.851	7
101	MP2B	Z	0	7
102	MP2B	Mx	.008	7
103	MP2C	X	-53.817	7
104	MP2C	Z	0	7
105	MP2C	Mx	.008	7
106	DC	X	-88.258	1
107	DC	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-23.306	3.25
2	MP2A	Z	-13.456	3.25
3	MP2A	Mx	-.007	3.25
4	M93	X	-87.604	1
5	M93	Z	-50.578	1
6	M93	Mx	0	1
7	MP2A	X	-99.437	.5
8	MP2A	Z	-57.41	.5
9	MP2A	Mx	-.018	.5
10	MP2A	X	-99.437	5.5
11	MP2A	Z	-57.41	5.5
12	MP2A	Mx	-.018	5.5
13	MP2B	X	-128.529	.5
14	MP2B	Z	-74.206	.5
15	MP2B	Mx	.092	.5
16	MP2B	X	-128.529	5.5
17	MP2B	Z	-74.206	5.5
18	MP2B	Mx	.092	5.5
19	MP2C	X	-96.156	.5
20	MP2C	Z	-55.516	.5
21	MP2C	Mx	-.06	.5
22	MP2C	X	-96.156	5.5
23	MP2C	Z	-55.516	5.5
24	MP2C	Mx	-.06	5.5
25	MP2A	X	-99.437	.5
26	MP2A	Z	-57.41	.5
27	MP2A	Mx	.068	.5
28	MP2A	X	-99.437	5.5
29	MP2A	Z	-57.41	5.5
30	MP2A	Mx	.068	5.5
31	MP2B	X	-128.529	.5
32	MP2B	Z	-74.206	.5
33	MP2B	Mx	-.117	.5
34	MP2B	X	-128.529	5.5
35	MP2B	Z	-74.206	5.5
36	MP2B	Mx	-.117	5.5
37	MP2C	X	-96.156	.5
38	MP2C	Z	-55.516	.5
39	MP2C	Mx	.01	.5
40	MP2C	X	-96.156	5.5
41	MP2C	Z	-55.516	5.5
42	MP2C	Mx	.01	5.5
43	MP3A	X	-10.389	2
44	MP3A	Z	-5.998	2
45	MP3A	Mx	.003	2
46	MP3B	X	-23.703	2
47	MP3B	Z	-13.685	2
48	MP3B	Mx	-.002	2
49	MP3C	X	-8.887	2
50	MP3C	Z	-5.131	2
51	MP3C	Mx	-.002	2
52	MP2A	X	-8.364	5.08
53	MP2A	Z	-4.829	5.08
54	MP2A	Mx	-.002	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP2B	X	-10.485	5.08
56	MP2B	Z	-6.054	5.08
57	MP2B	Mx	.001	5.08
58	MP2C	X	-8.124	5.08
59	MP2C	Z	-4.691	5.08
60	MP2C	Mx	.002	5.08
61	MP2A	X	-34.322	1.5
62	MP2A	Z	-19.816	1.5
63	MP2A	Mx	-.024	1.5
64	MP2B	X	-43.812	1.5
65	MP2B	Z	-25.295	1.5
66	MP2B	Mx	.042	1.5
67	MP2C	X	-33.251	1.5
68	MP2C	Z	-19.198	1.5
69	MP2C	Mx	-.004	1.5
70	MP2A	X	-30.132	1.5
71	MP2A	Z	-17.397	1.5
72	MP2A	Mx	.006	1.5
73	MP2B	X	-43.159	1.5
74	MP2B	Z	-24.918	1.5
75	MP2B	Mx	-.033	1.5
76	MP2C	X	-28.663	1.5
77	MP2C	Z	-16.549	1.5
78	MP2C	Mx	.019	1.5
79	MP1A	X	-29.287	2.9
80	MP1A	Z	-16.909	2.9
81	MP1A	Mx	.007	2.9
82	MP1A	X	-29.287	4.3
83	MP1A	Z	-16.909	4.3
84	MP1A	Mx	.007	4.3
85	MP1B	X	-53.2	2.9
86	MP1B	Z	-30.715	2.9
87	MP1B	Mx	-.005	2.9
88	MP1B	X	-53.2	4.3
89	MP1B	Z	-30.715	4.3
90	MP1B	Mx	-.005	4.3
91	MP1C	X	-26.59	2.9
92	MP1C	Z	-15.352	2.9
93	MP1C	Mx	-.007	2.9
94	MP1C	X	-26.59	4.3
95	MP1C	Z	-15.352	4.3
96	MP1C	Mx	-.007	4.3
97	MP2A	X	-32.514	7
98	MP2A	Z	-18.772	7
99	MP2A	Mx	-.008	7
100	MP2B	X	-53.703	7
101	MP2B	Z	-31.006	7
102	MP2B	Mx	.005	7
103	MP2C	X	-30.124	7
104	MP2C	Z	-17.392	7
105	MP2C	Mx	.008	7
106	DC	X	-87.604	1
107	DC	Z	-50.578	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-16.294	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	-28.222	3.25
3	MP2A	Mx	0	3.25
4	M93	X	-53.803	1
5	M93	Z	-93.19	1
6	M93	Mx	0	1
7	MP2A	X	-70.677	.5
8	MP2A	Z	-122.416	.5
9	MP2A	Mx	-.074	.5
10	MP2A	X	-70.677	5.5
11	MP2A	Z	-122.416	5.5
12	MP2A	Mx	-.074	5.5
13	MP2B	X	-76.51	.5
14	MP2B	Z	-132.52	.5
15	MP2B	Mx	.12	.5
16	MP2B	X	-76.51	5.5
17	MP2B	Z	-132.52	5.5
18	MP2B	Mx	.12	5.5
19	MP2C	X	-50.978	.5
20	MP2C	Z	-88.297	.5
21	MP2C	Mx	-.019	.5
22	MP2C	X	-50.978	5.5
23	MP2C	Z	-88.297	5.5
24	MP2C	Mx	-.019	5.5
25	MP2A	X	-70.677	.5
26	MP2A	Z	-122.416	.5
27	MP2A	Mx	.109	.5
28	MP2A	X	-70.677	5.5
29	MP2A	Z	-122.416	5.5
30	MP2A	Mx	.109	5.5
31	MP2B	X	-76.51	.5
32	MP2B	Z	-132.52	.5
33	MP2B	Mx	-.106	.5
34	MP2B	X	-76.51	5.5
35	MP2B	Z	-132.52	5.5
36	MP2B	Mx	-.106	5.5
37	MP2C	X	-50.978	.5
38	MP2C	Z	-88.297	.5
39	MP2C	Mx	-.032	.5
40	MP2C	X	-50.978	5.5
41	MP2C	Z	-88.297	5.5
42	MP2C	Mx	-.032	5.5
43	MP3A	X	-12.07	2
44	MP3A	Z	-20.906	2
45	MP3A	Mx	.003	2
46	MP3B	X	-14.739	2
47	MP3B	Z	-25.53	2
48	MP3B	Mx	.001	2
49	MP3C	X	-3.055	2
50	MP3C	Z	-5.291	2
51	MP3C	Mx	-.002	2
52	MP2A	X	-5.796	5.08
53	MP2A	Z	-10.039	5.08
54	MP2A	Mx	-.001	5.08
55	MP2B	X	-6.222	5.08
56	MP2B	Z	-10.776	5.08
57	MP2B	Mx	-.00054	5.08
58	MP2C	X	-4.36	5.08
59	MP2C	Z	-7.551	5.08
60	MP2C	Mx	.002	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2A	X	-24.144	1.5
62	MP2A	Z	-41.818	1.5
63	MP2A	Mx	-.039	1.5
64	MP2B	X	-26.047	1.5
65	MP2B	Z	-45.114	1.5
66	MP2B	Mx	.038	1.5
67	MP2C	X	-17.717	1.5
68	MP2C	Z	-30.687	1.5
69	MP2C	Mx	.011	1.5
70	MP2A	X	-23.337	1.5
71	MP2A	Z	-40.422	1.5
72	MP2A	Mx	.026	1.5
73	MP2B	X	-25.949	1.5
74	MP2B	Z	-44.946	1.5
75	MP2B	Mx	-.043	1.5
76	MP2C	X	-14.517	1.5
77	MP2C	Z	-25.144	1.5
78	MP2C	Mx	.005	1.5
79	MP1A	X	-27.814	2.9
80	MP1A	Z	-48.175	2.9
81	MP1A	Mx	.007	2.9
82	MP1A	X	-27.814	4.3
83	MP1A	Z	-48.175	4.3
84	MP1A	Mx	.007	4.3
85	MP1B	X	-32.609	2.9
86	MP1B	Z	-56.48	2.9
87	MP1B	Mx	.003	2.9
88	MP1B	X	-32.609	4.3
89	MP1B	Z	-56.48	4.3
90	MP1B	Mx	.003	4.3
91	MP1C	X	-11.622	2.9
92	MP1C	Z	-20.13	2.9
93	MP1C	Mx	-.006	2.9
94	MP1C	X	-11.622	4.3
95	MP1C	Z	-20.13	4.3
96	MP1C	Mx	-.006	4.3
97	MP2A	X	-28.435	7
98	MP2A	Z	-49.251	7
99	MP2A	Mx	-.007	7
100	MP2B	X	-32.684	7
101	MP2B	Z	-56.61	7
102	MP2B	Mx	-.003	7
103	MP2C	X	-14.087	7
104	MP2C	Z	-24.399	7
105	MP2C	Mx	.007	7
106	DC	X	-53.803	1
107	DC	Z	-93.19	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	3.25
2	MP2A	Z	-6.12	3.25
3	MP2A	Mx	.002	3.25
4	M93	X	0	1
5	M93	Z	-25.624	1
6	M93	Mx	0	1
7	MP2A	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2A	Z	-29.417	.5
9	MP2A	Mx	-.022	.5
10	MP2A	X	0	5.5
11	MP2A	Z	-29.417	5.5
12	MP2A	Mx	-.022	5.5
13	MP2B	X	0	.5
14	MP2B	Z	-25.554	.5
15	MP2B	Mx	.019	.5
16	MP2B	X	0	5.5
17	MP2B	Z	-25.554	5.5
18	MP2B	Mx	.019	5.5
19	MP2C	X	0	.5
20	MP2C	Z	-23.144	.5
21	MP2C	Mx	.005	.5
22	MP2C	X	0	5.5
23	MP2C	Z	-23.144	5.5
24	MP2C	Mx	.005	5.5
25	MP2A	X	0	.5
26	MP2A	Z	-29.417	.5
27	MP2A	Mx	.022	.5
28	MP2A	X	0	5.5
29	MP2A	Z	-29.417	5.5
30	MP2A	Mx	.022	5.5
31	MP2B	X	0	.5
32	MP2B	Z	-25.554	.5
33	MP2B	Mx	-.011	.5
34	MP2B	X	0	5.5
35	MP2B	Z	-25.554	5.5
36	MP2B	Mx	-.011	5.5
37	MP2C	X	0	.5
38	MP2C	Z	-23.144	.5
39	MP2C	Mx	-.015	.5
40	MP2C	X	0	5.5
41	MP2C	Z	-23.144	5.5
42	MP2C	Mx	-.015	5.5
43	MP3A	X	0	2
44	MP3A	Z	-6.797	2
45	MP3A	Mx	0	2
46	MP3B	X	0	2
47	MP3B	Z	-4.814	2
48	MP3B	Mx	.000774	2
49	MP3C	X	0	2
50	MP3C	Z	-3.577	2
51	MP3C	Mx	-.000733	2
52	MP2A	X	0	5.08
53	MP2A	Z	-3.201	5.08
54	MP2A	Mx	0	5.08
55	MP2B	X	0	5.08
56	MP2B	Z	-2.871	5.08
57	MP2B	Mx	-.000461	5.08
58	MP2C	X	0	5.08
59	MP2C	Z	-2.665	5.08
60	MP2C	Mx	.000546	5.08
61	MP2A	X	0	1.5
62	MP2A	Z	-9.173	1.5
63	MP2A	Mx	-.007	1.5
64	MP2B	X	0	1.5
65	MP2B	Z	-10.832	1.5
66	MP2B	Mx	.005	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP2C	X	0	1.5
68	MP2C	Z	-11.867	1.5
69	MP2C	Mx	.008	1.5
70	MP2A	X	0	1.5
71	MP2A	Z	-7.648	1.5
72	MP2A	Mx	.006	1.5
73	MP2B	X	0	1.5
74	MP2B	Z	-9.937	1.5
75	MP2B	Mx	-.008	1.5
76	MP2C	X	0	1.5
77	MP2C	Z	-11.365	1.5
78	MP2C	Mx	-.003	1.5
79	MP1A	X	0	2.9
80	MP1A	Z	-15.646	2.9
81	MP1A	Mx	0	2.9
82	MP1A	X	0	4.3
83	MP1A	Z	-15.646	4.3
84	MP1A	Mx	0	4.3
85	MP1B	X	0	2.9
86	MP1B	Z	-11.936	2.9
87	MP1B	Mx	.002	2.9
88	MP1B	X	0	4.3
89	MP1B	Z	-11.936	4.3
90	MP1B	Mx	.002	4.3
91	MP1C	X	0	2.9
92	MP1C	Z	-9.62	2.9
93	MP1C	Mx	-.002	2.9
94	MP1C	X	0	4.3
95	MP1C	Z	-9.62	4.3
96	MP1C	Mx	-.002	4.3
97	MP2A	X	0	7
98	MP2A	Z	-13.673	7
99	MP2A	Mx	0	7
100	MP2B	X	0	7
101	MP2B	Z	-10.683	7
102	MP2B	Mx	-.002	7
103	MP2C	X	0	7
104	MP2C	Z	-8.816	7
105	MP2C	Mx	.002	7
106	DC	X	0	1
107	DC	Z	-25.624	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.931	3.25
2	MP2A	Z	-3.344	3.25
3	MP2A	Mx	.002	3.25
4	M93	X	11.335	1
5	M93	Z	-19.632	1
6	M93	Mx	0	1
7	MP2A	X	13.54	.5
8	MP2A	Z	-23.452	.5
9	MP2A	Mx	-.021	.5
10	MP2A	X	13.54	5.5
11	MP2A	Z	-23.452	5.5
12	MP2A	Mx	-.021	5.5
13	MP2B	X	10.581	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP2B	Z	-18.326	.5
15	MP2B	Mx	.01	.5
16	MP2B	X	10.581	5.5
17	MP2B	Z	-18.326	5.5
18	MP2B	Mx	.01	5.5
19	MP2C	X	13.874	.5
20	MP2C	Z	-24.03	.5
21	MP2C	Mx	.016	.5
22	MP2C	X	13.874	5.5
23	MP2C	Z	-24.03	5.5
24	MP2C	Mx	.016	5.5
25	MP2A	X	13.54	.5
26	MP2A	Z	-23.452	.5
27	MP2A	Mx	.014	.5
28	MP2A	X	13.54	5.5
29	MP2A	Z	-23.452	5.5
30	MP2A	Mx	.014	5.5
31	MP2B	X	10.581	.5
32	MP2B	Z	-18.326	.5
33	MP2B	Mx	-.000457	.5
34	MP2B	X	10.581	5.5
35	MP2B	Z	-18.326	5.5
36	MP2B	Mx	-.000457	5.5
37	MP2C	X	13.874	.5
38	MP2C	Z	-24.03	.5
39	MP2C	Mx	-.022	.5
40	MP2C	X	13.874	5.5
41	MP2C	Z	-24.03	5.5
42	MP2C	Mx	-.022	5.5
43	MP3A	X	2.799	2
44	MP3A	Z	-4.848	2
45	MP3A	Mx	-.0007	2
46	MP3B	X	1.28	2
47	MP3B	Z	-2.217	2
48	MP3B	Mx	.000601	2
49	MP3C	X	2.97	2
50	MP3C	Z	-5.144	2
51	MP3C	Mx	-.000628	2
52	MP2A	X	1.501	5.08
53	MP2A	Z	-2.599	5.08
54	MP2A	Mx	.000375	5.08
55	MP2B	X	1.248	5.08
56	MP2B	Z	-2.161	5.08
57	MP2B	Mx	-.000586	5.08
58	MP2C	X	1.529	5.08
59	MP2C	Z	-2.649	5.08
60	MP2C	Mx	.000323	5.08
61	MP2A	X	5.088	1.5
62	MP2A	Z	-8.813	1.5
63	MP2A	Mx	-.006	1.5
64	MP2B	X	6.359	1.5
65	MP2B	Z	-11.014	1.5
66	MP2B	Mx	.000456	1.5
67	MP2C	X	4.945	1.5
68	MP2C	Z	-8.565	1.5
69	MP2C	Mx	.008	1.5
70	MP2A	X	4.516	1.5
71	MP2A	Z	-7.823	1.5
72	MP2A	Mx	.007	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP2B	X	6.27	1.5
74	MP2B	Z	-10.859	1.5
75	MP2B	Mx	-.006	1.5
76	MP2C	X	4.319	1.5
77	MP2C	Z	-7.48	1.5
78	MP2C	Mx	-.005	1.5
79	MP1A	X	6.701	2.9
80	MP1A	Z	-11.606	2.9
81	MP1A	Mx	-.002	2.9
82	MP1A	X	6.701	4.3
83	MP1A	Z	-11.606	4.3
84	MP1A	Mx	-.002	4.3
85	MP1B	X	3.858	2.9
86	MP1B	Z	-6.682	2.9
87	MP1B	Mx	.002	2.9
88	MP1B	X	3.858	4.3
89	MP1B	Z	-6.682	4.3
90	MP1B	Mx	.002	4.3
91	MP1C	X	7.021	2.9
92	MP1C	Z	-12.161	2.9
93	MP1C	Mx	-.001	2.9
94	MP1C	X	7.021	4.3
95	MP1C	Z	-12.161	4.3
96	MP1C	Mx	-.001	4.3
97	MP2A	X	5.932	7
98	MP2A	Z	-10.274	7
99	MP2A	Mx	.001	7
100	MP2B	X	3.641	7
101	MP2B	Z	-6.306	7
102	MP2B	Mx	-.002	7
103	MP2C	X	6.19	7
104	MP2C	Z	-10.722	7
105	MP2C	Mx	.001	7
106	DC	X	11.335	1
107	DC	Z	-19.632	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.366	3.25
2	MP2A	Z	-1.366	3.25
3	MP2A	Mx	.001	3.25
4	M93	X	18.353	1
5	M93	Z	-10.596	1
6	M93	Mx	0	1
7	MP2A	X	19.403	.5
8	MP2A	Z	-11.202	.5
9	MP2A	Mx	-.013	.5
10	MP2A	X	19.403	5.5
11	MP2A	Z	-11.202	5.5
12	MP2A	Mx	-.013	5.5
13	MP2B	X	17.623	.5
14	MP2B	Z	-10.175	.5
15	MP2B	Mx	.002	.5
16	MP2B	X	17.623	5.5
17	MP2B	Z	-10.175	5.5
18	MP2B	Mx	.002	5.5
19	MP2C	X	25.415	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2C	Z	-14.673	.5
21	MP2C	Mx	.023	.5
22	MP2C	X	25.415	5.5
23	MP2C	Z	-14.673	5.5
24	MP2C	Mx	.023	5.5
25	MP2A	X	19.403	.5
26	MP2A	Z	-11.202	.5
27	MP2A	Mx	.004	.5
28	MP2A	X	19.403	5.5
29	MP2A	Z	-11.202	5.5
30	MP2A	Mx	.004	5.5
31	MP2B	X	17.623	.5
32	MP2B	Z	-10.175	.5
33	MP2B	Mx	.008	.5
34	MP2B	X	17.623	5.5
35	MP2B	Z	-10.175	5.5
36	MP2B	Mx	.008	5.5
37	MP2C	X	25.415	.5
38	MP2C	Z	-14.673	.5
39	MP2C	Mx	-.021	.5
40	MP2C	X	25.415	5.5
41	MP2C	Z	-14.673	5.5
42	MP2C	Mx	-.021	5.5
43	MP3A	X	2.77	2
44	MP3A	Z	-1.599	2
45	MP3A	Mx	-.000693	2
46	MP3B	X	1.856	2
47	MP3B	Z	-1.071	2
48	MP3B	Mx	.000528	2
49	MP3C	X	5.855	2
50	MP3C	Z	-3.38	2
51	MP3C	Mx	.000147	2
52	MP2A	X	2.254	5.08
53	MP2A	Z	-1.301	5.08
54	MP2A	Mx	.000564	5.08
55	MP2B	X	2.101	5.08
56	MP2B	Z	-1.213	5.08
57	MP2B	Mx	-.000597	5.08
58	MP2C	X	2.767	5.08
59	MP2C	Z	-1.598	5.08
60	MP2C	Mx	-7e-5	5.08
61	MP2A	X	10.552	1.5
62	MP2A	Z	-6.092	1.5
63	MP2A	Mx	-.002	1.5
64	MP2B	X	11.316	1.5
65	MP2B	Z	-6.533	1.5
66	MP2B	Mx	-.005	1.5
67	MP2C	X	7.971	1.5
68	MP2C	Z	-4.602	1.5
69	MP2C	Mx	.007	1.5
70	MP2A	X	10.221	1.5
71	MP2A	Z	-5.901	1.5
72	MP2A	Mx	.007	1.5
73	MP2B	X	11.276	1.5
74	MP2B	Z	-6.51	1.5
75	MP2B	Mx	-.001	1.5
76	MP2C	X	6.66	1.5
77	MP2C	Z	-3.845	1.5
78	MP2C	Mx	-.006	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1A	X	7.717	2.9
80	MP1A	Z	-4.455	2.9
81	MP1A	Mx	-.002	2.9
82	MP1A	X	7.717	4.3
83	MP1A	Z	-4.455	4.3
84	MP1A	Mx	-.002	4.3
85	MP1B	X	6.007	2.9
86	MP1B	Z	-3.468	2.9
87	MP1B	Mx	.002	2.9
88	MP1B	X	6.007	4.3
89	MP1B	Z	-3.468	4.3
90	MP1B	Mx	.002	4.3
91	MP1C	X	13.491	2.9
92	MP1C	Z	-7.789	2.9
93	MP1C	Mx	.000339	2.9
94	MP1C	X	13.491	4.3
95	MP1C	Z	-7.789	4.3
96	MP1C	Mx	.000339	4.3
97	MP2A	X	7.14	7
98	MP2A	Z	-4.122	7
99	MP2A	Mx	.002	7
100	MP2B	X	5.762	7
101	MP2B	Z	-3.327	7
102	MP2B	Mx	-.002	7
103	MP2C	X	11.794	7
104	MP2C	Z	-6.809	7
105	MP2C	Mx	-.000297	7
106	DC	X	18.353	1
107	DC	Z	-10.596	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.861	3.25
2	MP2A	Z	0	3.25
3	MP2A	Mx	.002	3.25
4	M93	X	22.669	1
5	M93	Z	0	1
6	M93	Mx	0	1
7	MP2A	X	20.068	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	-.005	.5
10	MP2A	X	20.068	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	-.005	5.5
13	MP2B	X	23.931	.5
14	MP2B	Z	0	.5
15	MP2B	Mx	-.007	.5
16	MP2B	X	23.931	5.5
17	MP2B	Z	0	5.5
18	MP2B	Mx	-.007	5.5
19	MP2C	X	26.341	.5
20	MP2C	Z	0	.5
21	MP2C	Mx	.02	.5
22	MP2C	X	26.341	5.5
23	MP2C	Z	0	5.5
24	MP2C	Mx	.02	5.5
25	MP2A	X	20.068	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2A	Z	0	.5
27	MP2A	Mx	-.005	.5
28	MP2A	X	20.068	5.5
29	MP2A	Z	0	5.5
30	MP2A	Mx	-.005	5.5
31	MP2B	X	23.931	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	.016	.5
34	MP2B	X	23.931	5.5
35	MP2B	Z	0	5.5
36	MP2B	Mx	.016	5.5
37	MP2C	X	26.341	.5
38	MP2C	Z	0	.5
39	MP2C	Mx	-.012	.5
40	MP2C	X	26.341	5.5
41	MP2C	Z	0	5.5
42	MP2C	Mx	-.012	5.5
43	MP3A	X	1.998	2
44	MP3A	Z	0	2
45	MP3A	Mx	-.000499	2
46	MP3B	X	3.981	2
47	MP3B	Z	0	2
48	MP3B	Mx	.000762	2
49	MP3C	X	5.219	2
50	MP3C	Z	0	2
51	MP3C	Mx	.000748	2
52	MP2A	X	2.402	5.08
53	MP2A	Z	0	5.08
54	MP2A	Mx	.0006	5.08
55	MP2B	X	2.733	5.08
56	MP2B	Z	0	5.08
57	MP2B	Mx	-.000523	5.08
58	MP2C	X	2.939	5.08
59	MP2C	Z	0	5.08
60	MP2C	Mx	-.000421	5.08
61	MP2A	X	13.187	1.5
62	MP2A	Z	0	1.5
63	MP2A	Mx	.003	1.5
64	MP2B	X	11.529	1.5
65	MP2B	Z	0	1.5
66	MP2B	Mx	-.008	1.5
67	MP2C	X	10.494	1.5
68	MP2C	Z	0	1.5
69	MP2C	Mx	.005	1.5
70	MP2A	X	13.187	1.5
71	MP2A	Z	0	1.5
72	MP2A	Mx	.003	1.5
73	MP2B	X	10.899	1.5
74	MP2B	Z	0	1.5
75	MP2B	Mx	.003	1.5
76	MP2C	X	9.47	1.5
77	MP2C	Z	0	1.5
78	MP2C	Mx	-.007	1.5
79	MP1A	X	6.665	2.9
80	MP1A	Z	0	2.9
81	MP1A	Mx	-.002	2.9
82	MP1A	X	6.665	4.3
83	MP1A	Z	0	4.3
84	MP1A	Mx	-.002	4.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	10.376	2.9
86	MP1B	Z	0	2.9
87	MP1B	Mx	.002	2.9
88	MP1B	X	10.376	4.3
89	MP1B	Z	0	4.3
90	MP1B	Mx	.002	4.3
91	MP1C	X	12.692	2.9
92	MP1C	Z	0	2.9
93	MP1C	Mx	.002	2.9
94	MP1C	X	12.692	4.3
95	MP1C	Z	0	4.3
96	MP1C	Mx	.002	4.3
97	MP2A	X	6.435	7
98	MP2A	Z	0	7
99	MP2A	Mx	.002	7
100	MP2B	X	9.426	7
101	MP2B	Z	0	7
102	MP2B	Mx	-.002	7
103	MP2C	X	11.292	7
104	MP2C	Z	0	7
105	MP2C	Mx	-.002	7
106	DC	X	22.669	1
107	DC	Z	0	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.3	3.25
2	MP2A	Z	3.06	3.25
3	MP2A	Mx	.002	3.25
4	M93	X	22.191	1
5	M93	Z	12.812	1
6	M93	Mx	0	1
7	MP2A	X	19.403	.5
8	MP2A	Z	11.202	.5
9	MP2A	Mx	.004	.5
10	MP2A	X	19.403	5.5
11	MP2A	Z	11.202	5.5
12	MP2A	Mx	.004	5.5
13	MP2B	X	24.529	.5
14	MP2B	Z	14.162	.5
15	MP2B	Mx	-.018	.5
16	MP2B	X	24.529	5.5
17	MP2B	Z	14.162	5.5
18	MP2B	Mx	-.018	5.5
19	MP2C	X	18.825	.5
20	MP2C	Z	10.869	.5
21	MP2C	Mx	.012	.5
22	MP2C	X	18.825	5.5
23	MP2C	Z	10.869	5.5
24	MP2C	Mx	.012	5.5
25	MP2A	X	19.403	.5
26	MP2A	Z	11.202	.5
27	MP2A	Mx	-.013	.5
28	MP2A	X	19.403	5.5
29	MP2A	Z	11.202	5.5
30	MP2A	Mx	-.013	5.5
31	MP2B	X	24.529	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2B	Z	14.162	.5
33	MP2B	Mx	.022	.5
34	MP2B	X	24.529	5.5
35	MP2B	Z	14.162	5.5
36	MP2B	Mx	.022	5.5
37	MP2C	X	18.825	.5
38	MP2C	Z	10.869	.5
39	MP2C	Mx	-.002	.5
40	MP2C	X	18.825	5.5
41	MP2C	Z	10.869	5.5
42	MP2C	Mx	-.002	5.5
43	MP3A	X	2.77	2
44	MP3A	Z	1.599	2
45	MP3A	Mx	-.000693	2
46	MP3B	X	5.401	2
47	MP3B	Z	3.118	2
48	MP3B	Mx	.000533	2
49	MP3C	X	2.473	2
50	MP3C	Z	1.428	2
51	MP3C	Mx	.000647	2
52	MP2A	X	2.254	5.08
53	MP2A	Z	1.301	5.08
54	MP2A	Mx	.000564	5.08
55	MP2B	X	2.692	5.08
56	MP2B	Z	1.554	5.08
57	MP2B	Mx	-.000266	5.08
58	MP2C	X	2.204	5.08
59	MP2C	Z	1.273	5.08
60	MP2C	Mx	-.000577	5.08
61	MP2A	X	10.552	1.5
62	MP2A	Z	6.092	1.5
63	MP2A	Mx	.007	1.5
64	MP2B	X	8.351	1.5
65	MP2B	Z	4.821	1.5
66	MP2B	Mx	-.008	1.5
67	MP2C	X	10.8	1.5
68	MP2C	Z	6.235	1.5
69	MP2C	Mx	.001	1.5
70	MP2A	X	10.221	1.5
71	MP2A	Z	5.901	1.5
72	MP2A	Mx	-.002	1.5
73	MP2B	X	7.184	1.5
74	MP2B	Z	4.148	1.5
75	MP2B	Mx	.005	1.5
76	MP2C	X	10.564	1.5
77	MP2C	Z	6.099	1.5
78	MP2C	Mx	-.007	1.5
79	MP1A	X	7.717	2.9
80	MP1A	Z	4.455	2.9
81	MP1A	Mx	-.002	2.9
82	MP1A	X	7.717	4.3
83	MP1A	Z	4.455	4.3
84	MP1A	Mx	-.002	4.3
85	MP1B	X	12.64	2.9
86	MP1B	Z	7.298	2.9
87	MP1B	Mx	.001	2.9
88	MP1B	X	12.64	4.3
89	MP1B	Z	7.298	4.3
90	MP1B	Mx	.001	4.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP1C	X	7.161	2.9
92	MP1C	Z	4.135	2.9
93	MP1C	Mx	.002	2.9
94	MP1C	X	7.161	4.3
95	MP1C	Z	4.135	4.3
96	MP1C	Mx	.002	4.3
97	MP2A	X	7.14	7
98	MP2A	Z	4.122	7
99	MP2A	Mx	.002	7
100	MP2B	X	11.108	7
101	MP2B	Z	6.413	7
102	MP2B	Mx	-.001	7
103	MP2C	X	6.693	7
104	MP2C	Z	3.864	7
105	MP2C	Mx	-.002	7
106	DC	X	22.191	1
107	DC	Z	12.812	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.625	3.25
2	MP2A	Z	6.278	3.25
3	MP2A	Mx	0	3.25
4	M93	X	13.55	1
5	M93	Z	23.47	1
6	M93	Mx	0	1
7	MP2A	X	13.54	.5
8	MP2A	Z	23.452	.5
9	MP2A	Mx	.014	.5
10	MP2A	X	13.54	5.5
11	MP2A	Z	23.452	5.5
12	MP2A	Mx	.014	5.5
13	MP2B	X	14.568	.5
14	MP2B	Z	25.232	.5
15	MP2B	Mx	-.023	.5
16	MP2B	X	14.568	5.5
17	MP2B	Z	25.232	5.5
18	MP2B	Mx	-.023	5.5
19	MP2C	X	10.069	.5
20	MP2C	Z	17.44	.5
21	MP2C	Mx	.004	.5
22	MP2C	X	10.069	5.5
23	MP2C	Z	17.44	5.5
24	MP2C	Mx	.004	5.5
25	MP2A	X	13.54	.5
26	MP2A	Z	23.452	.5
27	MP2A	Mx	-.021	.5
28	MP2A	X	13.54	5.5
29	MP2A	Z	23.452	5.5
30	MP2A	Mx	-.021	5.5
31	MP2B	X	14.568	.5
32	MP2B	Z	25.232	.5
33	MP2B	Mx	.02	.5
34	MP2B	X	14.568	5.5
35	MP2B	Z	25.232	5.5
36	MP2B	Mx	.02	5.5
37	MP2C	X	10.069	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2C	Z	17.44	.5
39	MP2C	Mx	.006	.5
40	MP2C	X	10.069	5.5
41	MP2C	Z	17.44	5.5
42	MP2C	Mx	.006	5.5
43	MP3A	X	2.799	2
44	MP3A	Z	4.848	2
45	MP3A	Mx	-.0007	2
46	MP3B	X	3.326	2
47	MP3B	Z	5.761	2
48	MP3B	Mx	-.000289	2
49	MP3C	X	1.017	2
50	MP3C	Z	1.762	2
51	MP3C	Mx	.000507	2
52	MP2A	X	1.501	5.08
53	MP2A	Z	2.599	5.08
54	MP2A	Mx	.000375	5.08
55	MP2B	X	1.589	5.08
56	MP2B	Z	2.752	5.08
57	MP2B	Mx	.000138	5.08
58	MP2C	X	1.204	5.08
59	MP2C	Z	2.086	5.08
60	MP2C	Mx	-.0006	5.08
61	MP2A	X	5.088	1.5
62	MP2A	Z	8.813	1.5
63	MP2A	Mx	.008	1.5
64	MP2B	X	4.647	1.5
65	MP2B	Z	8.049	1.5
66	MP2B	Mx	-.007	1.5
67	MP2C	X	6.578	1.5
68	MP2C	Z	11.394	1.5
69	MP2C	Mx	-.004	1.5
70	MP2A	X	4.516	1.5
71	MP2A	Z	7.823	1.5
72	MP2A	Mx	-.005	1.5
73	MP2B	X	3.907	1.5
74	MP2B	Z	6.768	1.5
75	MP2B	Mx	.006	1.5
76	MP2C	X	6.573	1.5
77	MP2C	Z	11.384	1.5
78	MP2C	Mx	-.002	1.5
79	MP1A	X	6.701	2.9
80	MP1A	Z	11.606	2.9
81	MP1A	Mx	-.002	2.9
82	MP1A	X	6.701	4.3
83	MP1A	Z	11.606	4.3
84	MP1A	Mx	-.002	4.3
85	MP1B	X	7.688	2.9
86	MP1B	Z	13.316	2.9
87	MP1B	Mx	-.000668	2.9
88	MP1B	X	7.688	4.3
89	MP1B	Z	13.316	4.3
90	MP1B	Mx	-.000668	4.3
91	MP1C	X	3.367	2.9
92	MP1C	Z	5.831	2.9
93	MP1C	Mx	.002	2.9
94	MP1C	X	3.367	4.3
95	MP1C	Z	5.831	4.3
96	MP1C	Mx	.002	4.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP2A	X	5.932	7
98	MP2A	Z	10.274	7
99	MP2A	Mx	.001	7
100	MP2B	X	6.727	7
101	MP2B	Z	11.652	7
102	MP2B	Mx	.000584	7
103	MP2C	X	3.245	7
104	MP2C	Z	5.621	7
105	MP2C	Mx	-.002	7
106	DC	X	13.55	1
107	DC	Z	23.47	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	3.25
2	MP2A	Z	6.12	3.25
3	MP2A	Mx	-.002	3.25
4	M93	X	0	1
5	M93	Z	25.624	1
6	M93	Mx	0	1
7	MP2A	X	0	.5
8	MP2A	Z	29.417	.5
9	MP2A	Mx	.022	.5
10	MP2A	X	0	5.5
11	MP2A	Z	29.417	5.5
12	MP2A	Mx	.022	5.5
13	MP2B	X	0	.5
14	MP2B	Z	25.554	.5
15	MP2B	Mx	-.019	.5
16	MP2B	X	0	5.5
17	MP2B	Z	25.554	5.5
18	MP2B	Mx	-.019	5.5
19	MP2C	X	0	.5
20	MP2C	Z	23.144	.5
21	MP2C	Mx	-.005	.5
22	MP2C	X	0	5.5
23	MP2C	Z	23.144	5.5
24	MP2C	Mx	-.005	5.5
25	MP2A	X	0	.5
26	MP2A	Z	29.417	.5
27	MP2A	Mx	-.022	.5
28	MP2A	X	0	5.5
29	MP2A	Z	29.417	5.5
30	MP2A	Mx	-.022	5.5
31	MP2B	X	0	.5
32	MP2B	Z	25.554	.5
33	MP2B	Mx	.011	.5
34	MP2B	X	0	5.5
35	MP2B	Z	25.554	5.5
36	MP2B	Mx	.011	5.5
37	MP2C	X	0	.5
38	MP2C	Z	23.144	.5
39	MP2C	Mx	.015	.5
40	MP2C	X	0	5.5
41	MP2C	Z	23.144	5.5
42	MP2C	Mx	.015	5.5
43	MP3A	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3A	Z	6.797	2
45	MP3A	Mx	0	2
46	MP3B	X	0	2
47	MP3B	Z	4.814	2
48	MP3B	Mx	-.000774	2
49	MP3C	X	0	2
50	MP3C	Z	3.577	2
51	MP3C	Mx	.000733	2
52	MP2A	X	0	5.08
53	MP2A	Z	3.201	5.08
54	MP2A	Mx	0	5.08
55	MP2B	X	0	5.08
56	MP2B	Z	2.871	5.08
57	MP2B	Mx	.000461	5.08
58	MP2C	X	0	5.08
59	MP2C	Z	2.665	5.08
60	MP2C	Mx	-.000546	5.08
61	MP2A	X	0	1.5
62	MP2A	Z	9.173	1.5
63	MP2A	Mx	.007	1.5
64	MP2B	X	0	1.5
65	MP2B	Z	10.832	1.5
66	MP2B	Mx	-.005	1.5
67	MP2C	X	0	1.5
68	MP2C	Z	11.867	1.5
69	MP2C	Mx	-.008	1.5
70	MP2A	X	0	1.5
71	MP2A	Z	7.648	1.5
72	MP2A	Mx	-.006	1.5
73	MP2B	X	0	1.5
74	MP2B	Z	9.937	1.5
75	MP2B	Mx	.008	1.5
76	MP2C	X	0	1.5
77	MP2C	Z	11.365	1.5
78	MP2C	Mx	.003	1.5
79	MP1A	X	0	2.9
80	MP1A	Z	15.646	2.9
81	MP1A	Mx	0	2.9
82	MP1A	X	0	4.3
83	MP1A	Z	15.646	4.3
84	MP1A	Mx	0	4.3
85	MP1B	X	0	2.9
86	MP1B	Z	11.936	2.9
87	MP1B	Mx	-.002	2.9
88	MP1B	X	0	4.3
89	MP1B	Z	11.936	4.3
90	MP1B	Mx	-.002	4.3
91	MP1C	X	0	2.9
92	MP1C	Z	9.62	2.9
93	MP1C	Mx	.002	2.9
94	MP1C	X	0	4.3
95	MP1C	Z	9.62	4.3
96	MP1C	Mx	.002	4.3
97	MP2A	X	0	7
98	MP2A	Z	13.673	7
99	MP2A	Mx	0	7
100	MP2B	X	0	7
101	MP2B	Z	10.683	7
102	MP2B	Mx	.002	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP2C	X	0	7
104	MP2C	Z	8.816	7
105	MP2C	Mx	-.002	7
106	DC	X	0	1
107	DC	Z	25.624	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.931	3.25
2	MP2A	Z	3.344	3.25
3	MP2A	Mx	-.002	3.25
4	M93	X	-11.335	1
5	M93	Z	19.632	1
6	M93	Mx	0	1
7	MP2A	X	-13.54	.5
8	MP2A	Z	23.452	.5
9	MP2A	Mx	.021	.5
10	MP2A	X	-13.54	5.5
11	MP2A	Z	23.452	5.5
12	MP2A	Mx	.021	5.5
13	MP2B	X	-10.581	.5
14	MP2B	Z	18.326	.5
15	MP2B	Mx	-.01	.5
16	MP2B	X	-10.581	5.5
17	MP2B	Z	18.326	5.5
18	MP2B	Mx	-.01	5.5
19	MP2C	X	-13.874	.5
20	MP2C	Z	24.03	.5
21	MP2C	Mx	-.016	.5
22	MP2C	X	-13.874	5.5
23	MP2C	Z	24.03	5.5
24	MP2C	Mx	-.016	5.5
25	MP2A	X	-13.54	.5
26	MP2A	Z	23.452	.5
27	MP2A	Mx	-.014	.5
28	MP2A	X	-13.54	5.5
29	MP2A	Z	23.452	5.5
30	MP2A	Mx	-.014	5.5
31	MP2B	X	-10.581	.5
32	MP2B	Z	18.326	.5
33	MP2B	Mx	.000457	.5
34	MP2B	X	-10.581	5.5
35	MP2B	Z	18.326	5.5
36	MP2B	Mx	.000457	5.5
37	MP2C	X	-13.874	.5
38	MP2C	Z	24.03	.5
39	MP2C	Mx	.022	.5
40	MP2C	X	-13.874	5.5
41	MP2C	Z	24.03	5.5
42	MP2C	Mx	.022	5.5
43	MP3A	X	-2.799	2
44	MP3A	Z	4.848	2
45	MP3A	Mx	.0007	2
46	MP3B	X	-1.28	2
47	MP3B	Z	2.217	2
48	MP3B	Mx	-.000601	2
49	MP3C	X	-2.97	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	5.144	2
51	MP3C	Mx	.000628	2
52	MP2A	X	-1.501	5.08
53	MP2A	Z	2.599	5.08
54	MP2A	Mx	-.000375	5.08
55	MP2B	X	-1.248	5.08
56	MP2B	Z	2.161	5.08
57	MP2B	Mx	.000586	5.08
58	MP2C	X	-1.529	5.08
59	MP2C	Z	2.649	5.08
60	MP2C	Mx	-.000323	5.08
61	MP2A	X	-5.088	1.5
62	MP2A	Z	8.813	1.5
63	MP2A	Mx	.006	1.5
64	MP2B	X	-6.359	1.5
65	MP2B	Z	11.014	1.5
66	MP2B	Mx	-.000456	1.5
67	MP2C	X	-4.945	1.5
68	MP2C	Z	8.565	1.5
69	MP2C	Mx	-.008	1.5
70	MP2A	X	-4.516	1.5
71	MP2A	Z	7.823	1.5
72	MP2A	Mx	-.007	1.5
73	MP2B	X	-6.27	1.5
74	MP2B	Z	10.859	1.5
75	MP2B	Mx	.006	1.5
76	MP2C	X	-4.319	1.5
77	MP2C	Z	7.48	1.5
78	MP2C	Mx	.005	1.5
79	MP1A	X	-6.701	2.9
80	MP1A	Z	11.606	2.9
81	MP1A	Mx	.002	2.9
82	MP1A	X	-6.701	4.3
83	MP1A	Z	11.606	4.3
84	MP1A	Mx	.002	4.3
85	MP1B	X	-3.858	2.9
86	MP1B	Z	6.682	2.9
87	MP1B	Mx	-.002	2.9
88	MP1B	X	-3.858	4.3
89	MP1B	Z	6.682	4.3
90	MP1B	Mx	-.002	4.3
91	MP1C	X	-7.021	2.9
92	MP1C	Z	12.161	2.9
93	MP1C	Mx	.001	2.9
94	MP1C	X	-7.021	4.3
95	MP1C	Z	12.161	4.3
96	MP1C	Mx	.001	4.3
97	MP2A	X	-5.932	7
98	MP2A	Z	10.274	7
99	MP2A	Mx	-.001	7
100	MP2B	X	-3.641	7
101	MP2B	Z	6.306	7
102	MP2B	Mx	.002	7
103	MP2C	X	-6.19	7
104	MP2C	Z	10.722	7
105	MP2C	Mx	-.001	7
106	DC	X	-11.335	1
107	DC	Z	19.632	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.366	3.25
2	MP2A	Z	1.366	3.25
3	MP2A	Mx	-.001	3.25
4	M93	X	-18.353	1
5	M93	Z	10.596	1
6	M93	Mx	0	1
7	MP2A	X	-19.403	.5
8	MP2A	Z	11.202	.5
9	MP2A	Mx	.013	.5
10	MP2A	X	-19.403	5.5
11	MP2A	Z	11.202	5.5
12	MP2A	Mx	.013	5.5
13	MP2B	X	-17.623	.5
14	MP2B	Z	10.175	.5
15	MP2B	Mx	-.002	.5
16	MP2B	X	-17.623	5.5
17	MP2B	Z	10.175	5.5
18	MP2B	Mx	-.002	5.5
19	MP2C	X	-25.415	.5
20	MP2C	Z	14.673	.5
21	MP2C	Mx	-.023	.5
22	MP2C	X	-25.415	5.5
23	MP2C	Z	14.673	5.5
24	MP2C	Mx	-.023	5.5
25	MP2A	X	-19.403	.5
26	MP2A	Z	11.202	.5
27	MP2A	Mx	-.004	.5
28	MP2A	X	-19.403	5.5
29	MP2A	Z	11.202	5.5
30	MP2A	Mx	-.004	5.5
31	MP2B	X	-17.623	.5
32	MP2B	Z	10.175	.5
33	MP2B	Mx	-.008	.5
34	MP2B	X	-17.623	5.5
35	MP2B	Z	10.175	5.5
36	MP2B	Mx	-.008	5.5
37	MP2C	X	-25.415	.5
38	MP2C	Z	14.673	.5
39	MP2C	Mx	.021	.5
40	MP2C	X	-25.415	5.5
41	MP2C	Z	14.673	5.5
42	MP2C	Mx	.021	5.5
43	MP3A	X	-2.77	2
44	MP3A	Z	1.599	2
45	MP3A	Mx	.000693	2
46	MP3B	X	-1.856	2
47	MP3B	Z	1.071	2
48	MP3B	Mx	-.000528	2
49	MP3C	X	-5.855	2
50	MP3C	Z	3.38	2
51	MP3C	Mx	-.000147	2
52	MP2A	X	-2.254	5.08
53	MP2A	Z	1.301	5.08
54	MP2A	Mx	-.000564	5.08
55	MP2B	X	-2.101	5.08
56	MP2B	Z	1.213	5.08
57	MP2B	Mx	.000597	5.08
58	MP2C	X	-2.767	5.08
59	MP2C	Z	1.598	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2C	Mx	7e-5	5.08
61	MP2A	X	-10.552	1.5
62	MP2A	Z	6.092	1.5
63	MP2A	Mx	.002	1.5
64	MP2B	X	-11.316	1.5
65	MP2B	Z	6.533	1.5
66	MP2B	Mx	.005	1.5
67	MP2C	X	-7.971	1.5
68	MP2C	Z	4.602	1.5
69	MP2C	Mx	-.007	1.5
70	MP2A	X	-10.221	1.5
71	MP2A	Z	5.901	1.5
72	MP2A	Mx	-.007	1.5
73	MP2B	X	-11.276	1.5
74	MP2B	Z	6.51	1.5
75	MP2B	Mx	.001	1.5
76	MP2C	X	-6.66	1.5
77	MP2C	Z	3.845	1.5
78	MP2C	Mx	.006	1.5
79	MP1A	X	-7.717	2.9
80	MP1A	Z	4.455	2.9
81	MP1A	Mx	.002	2.9
82	MP1A	X	-7.717	4.3
83	MP1A	Z	4.455	4.3
84	MP1A	Mx	.002	4.3
85	MP1B	X	-6.007	2.9
86	MP1B	Z	3.468	2.9
87	MP1B	Mx	-.002	2.9
88	MP1B	X	-6.007	4.3
89	MP1B	Z	3.468	4.3
90	MP1B	Mx	-.002	4.3
91	MP1C	X	-13.491	2.9
92	MP1C	Z	7.789	2.9
93	MP1C	Mx	-.000339	2.9
94	MP1C	X	-13.491	4.3
95	MP1C	Z	7.789	4.3
96	MP1C	Mx	-.000339	4.3
97	MP2A	X	-7.14	7
98	MP2A	Z	4.122	7
99	MP2A	Mx	-.002	7
100	MP2B	X	-5.762	7
101	MP2B	Z	3.327	7
102	MP2B	Mx	.002	7
103	MP2C	X	-11.794	7
104	MP2C	Z	6.809	7
105	MP2C	Mx	.000297	7
106	DC	X	-18.353	1
107	DC	Z	10.596	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.861	3.25
2	MP2A	Z	0	3.25
3	MP2A	Mx	-.002	3.25
4	M93	X	-22.669	1
5	M93	Z	0	1
6	M93	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2A	X	-20.068	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	.005	.5
10	MP2A	X	-20.068	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	.005	5.5
13	MP2B	X	-23.931	.5
14	MP2B	Z	0	.5
15	MP2B	Mx	.007	.5
16	MP2B	X	-23.931	5.5
17	MP2B	Z	0	5.5
18	MP2B	Mx	.007	5.5
19	MP2C	X	-26.341	.5
20	MP2C	Z	0	.5
21	MP2C	Mx	-.02	.5
22	MP2C	X	-26.341	5.5
23	MP2C	Z	0	5.5
24	MP2C	Mx	-.02	5.5
25	MP2A	X	-20.068	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	.005	.5
28	MP2A	X	-20.068	5.5
29	MP2A	Z	0	5.5
30	MP2A	Mx	.005	5.5
31	MP2B	X	-23.931	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	-.016	.5
34	MP2B	X	-23.931	5.5
35	MP2B	Z	0	5.5
36	MP2B	Mx	-.016	5.5
37	MP2C	X	-26.341	.5
38	MP2C	Z	0	.5
39	MP2C	Mx	.012	.5
40	MP2C	X	-26.341	5.5
41	MP2C	Z	0	5.5
42	MP2C	Mx	.012	5.5
43	MP3A	X	-1.998	2
44	MP3A	Z	0	2
45	MP3A	Mx	.000499	2
46	MP3B	X	-3.981	2
47	MP3B	Z	0	2
48	MP3B	Mx	-.000762	2
49	MP3C	X	-5.219	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.000748	2
52	MP2A	X	-2.402	5.08
53	MP2A	Z	0	5.08
54	MP2A	Mx	-.0006	5.08
55	MP2B	X	-2.733	5.08
56	MP2B	Z	0	5.08
57	MP2B	Mx	.000523	5.08
58	MP2C	X	-2.939	5.08
59	MP2C	Z	0	5.08
60	MP2C	Mx	.000421	5.08
61	MP2A	X	-13.187	1.5
62	MP2A	Z	0	1.5
63	MP2A	Mx	-.003	1.5
64	MP2B	X	-11.529	1.5
65	MP2B	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2B	Mx	.008	1.5
67	MP2C	X	-10.494	1.5
68	MP2C	Z	0	1.5
69	MP2C	Mx	-.005	1.5
70	MP2A	X	-13.187	1.5
71	MP2A	Z	0	1.5
72	MP2A	Mx	-.003	1.5
73	MP2B	X	-10.899	1.5
74	MP2B	Z	0	1.5
75	MP2B	Mx	-.003	1.5
76	MP2C	X	-9.47	1.5
77	MP2C	Z	0	1.5
78	MP2C	Mx	.007	1.5
79	MP1A	X	-6.665	2.9
80	MP1A	Z	0	2.9
81	MP1A	Mx	.002	2.9
82	MP1A	X	-6.665	4.3
83	MP1A	Z	0	4.3
84	MP1A	Mx	.002	4.3
85	MP1B	X	-10.376	2.9
86	MP1B	Z	0	2.9
87	MP1B	Mx	-.002	2.9
88	MP1B	X	-10.376	4.3
89	MP1B	Z	0	4.3
90	MP1B	Mx	-.002	4.3
91	MP1C	X	-12.692	2.9
92	MP1C	Z	0	2.9
93	MP1C	Mx	-.002	2.9
94	MP1C	X	-12.692	4.3
95	MP1C	Z	0	4.3
96	MP1C	Mx	-.002	4.3
97	MP2A	X	-6.435	7
98	MP2A	Z	0	7
99	MP2A	Mx	-.002	7
100	MP2B	X	-9.426	7
101	MP2B	Z	0	7
102	MP2B	Mx	.002	7
103	MP2C	X	-11.292	7
104	MP2C	Z	0	7
105	MP2C	Mx	.002	7
106	DC	X	-22.669	1
107	DC	Z	0	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.3	3.25
2	MP2A	Z	-3.06	3.25
3	MP2A	Mx	-.002	3.25
4	M93	X	-22.191	1
5	M93	Z	-12.812	1
6	M93	Mx	0	1
7	MP2A	X	-19.403	.5
8	MP2A	Z	-11.202	.5
9	MP2A	Mx	-.004	.5
10	MP2A	X	-19.403	5.5
11	MP2A	Z	-11.202	5.5
12	MP2A	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2B	X	-24.529	.5
14	MP2B	Z	-14.162	.5
15	MP2B	Mx	.018	.5
16	MP2B	X	-24.529	5.5
17	MP2B	Z	-14.162	5.5
18	MP2B	Mx	.018	5.5
19	MP2C	X	-18.825	.5
20	MP2C	Z	-10.869	.5
21	MP2C	Mx	-.012	.5
22	MP2C	X	-18.825	5.5
23	MP2C	Z	-10.869	5.5
24	MP2C	Mx	-.012	5.5
25	MP2A	X	-19.403	.5
26	MP2A	Z	-11.202	.5
27	MP2A	Mx	.013	.5
28	MP2A	X	-19.403	5.5
29	MP2A	Z	-11.202	5.5
30	MP2A	Mx	.013	5.5
31	MP2B	X	-24.529	.5
32	MP2B	Z	-14.162	.5
33	MP2B	Mx	-.022	.5
34	MP2B	X	-24.529	5.5
35	MP2B	Z	-14.162	5.5
36	MP2B	Mx	-.022	5.5
37	MP2C	X	-18.825	.5
38	MP2C	Z	-10.869	.5
39	MP2C	Mx	.002	.5
40	MP2C	X	-18.825	5.5
41	MP2C	Z	-10.869	5.5
42	MP2C	Mx	.002	5.5
43	MP3A	X	-2.77	2
44	MP3A	Z	-1.599	2
45	MP3A	Mx	.000693	2
46	MP3B	X	-5.401	2
47	MP3B	Z	-3.118	2
48	MP3B	Mx	-.000533	2
49	MP3C	X	-2.473	2
50	MP3C	Z	-1.428	2
51	MP3C	Mx	-.000647	2
52	MP2A	X	-2.254	5.08
53	MP2A	Z	-1.301	5.08
54	MP2A	Mx	-.000564	5.08
55	MP2B	X	-2.692	5.08
56	MP2B	Z	-1.554	5.08
57	MP2B	Mx	.000266	5.08
58	MP2C	X	-2.204	5.08
59	MP2C	Z	-1.273	5.08
60	MP2C	Mx	.000577	5.08
61	MP2A	X	-10.552	1.5
62	MP2A	Z	-6.092	1.5
63	MP2A	Mx	-.007	1.5
64	MP2B	X	-8.351	1.5
65	MP2B	Z	-4.821	1.5
66	MP2B	Mx	.008	1.5
67	MP2C	X	-10.8	1.5
68	MP2C	Z	-6.235	1.5
69	MP2C	Mx	-.001	1.5
70	MP2A	X	-10.221	1.5
71	MP2A	Z	-5.901	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2A	Mx	.002	1.5
73	MP2B	X	-7.184	1.5
74	MP2B	Z	-4.148	1.5
75	MP2B	Mx	-.005	1.5
76	MP2C	X	-10.564	1.5
77	MP2C	Z	-6.099	1.5
78	MP2C	Mx	.007	1.5
79	MP1A	X	-7.717	2.9
80	MP1A	Z	-4.455	2.9
81	MP1A	Mx	.002	2.9
82	MP1A	X	-7.717	4.3
83	MP1A	Z	-4.455	4.3
84	MP1A	Mx	.002	4.3
85	MP1B	X	-12.64	2.9
86	MP1B	Z	-7.298	2.9
87	MP1B	Mx	-.001	2.9
88	MP1B	X	-12.64	4.3
89	MP1B	Z	-7.298	4.3
90	MP1B	Mx	-.001	4.3
91	MP1C	X	-7.161	2.9
92	MP1C	Z	-4.135	2.9
93	MP1C	Mx	-.002	2.9
94	MP1C	X	-7.161	4.3
95	MP1C	Z	-4.135	4.3
96	MP1C	Mx	-.002	4.3
97	MP2A	X	-7.14	7
98	MP2A	Z	-4.122	7
99	MP2A	Mx	-.002	7
100	MP2B	X	-11.108	7
101	MP2B	Z	-6.413	7
102	MP2B	Mx	.001	7
103	MP2C	X	-6.693	7
104	MP2C	Z	-3.864	7
105	MP2C	Mx	.002	7
106	DC	X	-22.191	1
107	DC	Z	-12.812	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.625	3.25
2	MP2A	Z	-6.278	3.25
3	MP2A	Mx	0	3.25
4	M93	X	-13.55	1
5	M93	Z	-23.47	1
6	M93	Mx	0	1
7	MP2A	X	-13.54	.5
8	MP2A	Z	-23.452	.5
9	MP2A	Mx	-.014	.5
10	MP2A	X	-13.54	5.5
11	MP2A	Z	-23.452	5.5
12	MP2A	Mx	-.014	5.5
13	MP2B	X	-14.568	.5
14	MP2B	Z	-25.232	.5
15	MP2B	Mx	.023	.5
16	MP2B	X	-14.568	5.5
17	MP2B	Z	-25.232	5.5
18	MP2B	Mx	.023	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2C	X	-10.069	.5
20	MP2C	Z	-17.44	.5
21	MP2C	Mx	-.004	.5
22	MP2C	X	-10.069	5.5
23	MP2C	Z	-17.44	5.5
24	MP2C	Mx	-.004	5.5
25	MP2A	X	-13.54	.5
26	MP2A	Z	-23.452	.5
27	MP2A	Mx	.021	.5
28	MP2A	X	-13.54	5.5
29	MP2A	Z	-23.452	5.5
30	MP2A	Mx	.021	5.5
31	MP2B	X	-14.568	.5
32	MP2B	Z	-25.232	.5
33	MP2B	Mx	-.02	.5
34	MP2B	X	-14.568	5.5
35	MP2B	Z	-25.232	5.5
36	MP2B	Mx	-.02	5.5
37	MP2C	X	-10.069	.5
38	MP2C	Z	-17.44	.5
39	MP2C	Mx	-.006	.5
40	MP2C	X	-10.069	5.5
41	MP2C	Z	-17.44	5.5
42	MP2C	Mx	-.006	5.5
43	MP3A	X	-2.799	2
44	MP3A	Z	-4.848	2
45	MP3A	Mx	.0007	2
46	MP3B	X	-3.326	2
47	MP3B	Z	-5.761	2
48	MP3B	Mx	.000289	2
49	MP3C	X	-1.017	2
50	MP3C	Z	-1.762	2
51	MP3C	Mx	-.000507	2
52	MP2A	X	-1.501	5.08
53	MP2A	Z	-2.599	5.08
54	MP2A	Mx	-.000375	5.08
55	MP2B	X	-1.589	5.08
56	MP2B	Z	-2.752	5.08
57	MP2B	Mx	-.000138	5.08
58	MP2C	X	-1.204	5.08
59	MP2C	Z	-2.086	5.08
60	MP2C	Mx	.0006	5.08
61	MP2A	X	-5.088	1.5
62	MP2A	Z	-8.813	1.5
63	MP2A	Mx	-.008	1.5
64	MP2B	X	-4.647	1.5
65	MP2B	Z	-8.049	1.5
66	MP2B	Mx	.007	1.5
67	MP2C	X	-6.578	1.5
68	MP2C	Z	-11.394	1.5
69	MP2C	Mx	.004	1.5
70	MP2A	X	-4.516	1.5
71	MP2A	Z	-7.823	1.5
72	MP2A	Mx	.005	1.5
73	MP2B	X	-3.907	1.5
74	MP2B	Z	-6.768	1.5
75	MP2B	Mx	-.006	1.5
76	MP2C	X	-6.573	1.5
77	MP2C	Z	-11.384	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2C	Mx	.002	1.5
79	MP1A	X	-6.701	2.9
80	MP1A	Z	-11.606	2.9
81	MP1A	Mx	.002	2.9
82	MP1A	X	-6.701	4.3
83	MP1A	Z	-11.606	4.3
84	MP1A	Mx	.002	4.3
85	MP1B	X	-7.688	2.9
86	MP1B	Z	-13.316	2.9
87	MP1B	Mx	.000668	2.9
88	MP1B	X	-7.688	4.3
89	MP1B	Z	-13.316	4.3
90	MP1B	Mx	.000668	4.3
91	MP1C	X	-3.367	2.9
92	MP1C	Z	-5.831	2.9
93	MP1C	Mx	-.002	2.9
94	MP1C	X	-3.367	4.3
95	MP1C	Z	-5.831	4.3
96	MP1C	Mx	-.002	4.3
97	MP2A	X	-5.932	7
98	MP2A	Z	-10.274	7
99	MP2A	Mx	-.001	7
100	MP2B	X	-6.727	7
101	MP2B	Z	-11.652	7
102	MP2B	Mx	-.000584	7
103	MP2C	X	-3.245	7
104	MP2C	Z	-5.621	7
105	MP2C	Mx	.002	7
106	DC	X	-13.55	1
107	DC	Z	-23.47	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	3.25
2	MP2A	Z	-1.682	3.25
3	MP2A	Mx	.00042	3.25
4	M93	X	0	1
5	M93	Z	-6.322	1
6	M93	Mx	0	1
7	MP2A	X	0	.5
8	MP2A	Z	-9.664	.5
9	MP2A	Mx	-.007	.5
10	MP2A	X	0	5.5
11	MP2A	Z	-9.664	5.5
12	MP2A	Mx	-.007	5.5
13	MP2B	X	0	.5
14	MP2B	Z	-8.293	.5
15	MP2B	Mx	.006	.5
16	MP2B	X	0	5.5
17	MP2B	Z	-8.293	5.5
18	MP2B	Mx	.006	5.5
19	MP2C	X	0	.5
20	MP2C	Z	-7.438	.5
21	MP2C	Mx	.002	.5
22	MP2C	X	0	5.5
23	MP2C	Z	-7.438	5.5
24	MP2C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2A	X	0	.5
26	MP2A	Z	-9.664	.5
27	MP2A	Mx	.007	.5
28	MP2A	X	0	5.5
29	MP2A	Z	-9.664	5.5
30	MP2A	Mx	.007	5.5
31	MP2B	X	0	.5
32	MP2B	Z	-8.293	.5
33	MP2B	Mx	-.003	.5
34	MP2B	X	0	5.5
35	MP2B	Z	-8.293	5.5
36	MP2B	Mx	-.003	5.5
37	MP2C	X	0	.5
38	MP2C	Z	-7.438	.5
39	MP2C	Mx	-.005	.5
40	MP2C	X	0	5.5
41	MP2C	Z	-7.438	5.5
42	MP2C	Mx	-.005	5.5
43	MP3A	X	0	2
44	MP3A	Z	-1.888	2
45	MP3A	Mx	0	2
46	MP3B	X	0	2
47	MP3B	Z	-1.261	2
48	MP3B	Mx	.000203	2
49	MP3C	X	0	2
50	MP3C	Z	-.87	2
51	MP3C	Mx	-.000178	2
52	MP2A	X	0	5.08
53	MP2A	Z	-.785	5.08
54	MP2A	Mx	0	5.08
55	MP2B	X	0	5.08
56	MP2B	Z	-.685	5.08
57	MP2B	Mx	-.00011	5.08
58	MP2C	X	0	5.08
59	MP2C	Z	-.623	5.08
60	MP2C	Mx	.000128	5.08
61	MP2A	X	0	1.5
62	MP2A	Z	-3.288	1.5
63	MP2A	Mx	-.003	1.5
64	MP2B	X	0	1.5
65	MP2B	Z	-2.841	1.5
66	MP2B	Mx	.001	1.5
67	MP2C	X	0	1.5
68	MP2C	Z	-2.562	1.5
69	MP2C	Mx	.002	1.5
70	MP2A	X	0	1.5
71	MP2A	Z	-3.288	1.5
72	MP2A	Mx	.003	1.5
73	MP2B	X	0	1.5
74	MP2B	Z	-2.675	1.5
75	MP2B	Mx	-.002	1.5
76	MP2C	X	0	1.5
77	MP2C	Z	-2.292	1.5
78	MP2C	Mx	-.000571	1.5
79	MP1A	X	0	2.9
80	MP1A	Z	-4.158	2.9
81	MP1A	Mx	0	2.9
82	MP1A	X	0	4.3
83	MP1A	Z	-4.158	4.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1A	Mx	0	4.3
85	MP1B	X	0	2.9
86	MP1B	Z	-3.032	2.9
87	MP1B	Mx	.000487	2.9
88	MP1B	X	0	4.3
89	MP1B	Z	-3.032	4.3
90	MP1B	Mx	.000487	4.3
91	MP1C	X	0	2.9
92	MP1C	Z	-2.329	2.9
93	MP1C	Mx	-.000477	2.9
94	MP1C	X	0	4.3
95	MP1C	Z	-2.329	4.3
96	MP1C	Mx	-.000477	4.3
97	MP2A	X	0	7
98	MP2A	Z	-4.158	7
99	MP2A	Mx	0	7
100	MP2B	X	0	7
101	MP2B	Z	-3.16	7
102	MP2B	Mx	-.000508	7
103	MP2C	X	0	7
104	MP2C	Z	-2.537	7
105	MP2C	Mx	.00052	7
106	DC	X	0	1
107	DC	Z	-6.322	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.486	3.25
2	MP2A	Z	-.842	3.25
3	MP2A	Mx	.000421	3.25
4	M93	X	2.758	1
5	M93	Z	-4.777	1
6	M93	Mx	0	1
7	MP2A	X	4.417	.5
8	MP2A	Z	-7.651	.5
9	MP2A	Mx	-.007	.5
10	MP2A	X	4.417	5.5
11	MP2A	Z	-7.651	5.5
12	MP2A	Mx	-.007	5.5
13	MP2B	X	3.368	.5
14	MP2B	Z	-5.833	.5
15	MP2B	Mx	.003	.5
16	MP2B	X	3.368	5.5
17	MP2B	Z	-5.833	5.5
18	MP2B	Mx	.003	5.5
19	MP2C	X	4.536	.5
20	MP2C	Z	-7.856	.5
21	MP2C	Mx	.005	.5
22	MP2C	X	4.536	5.5
23	MP2C	Z	-7.856	5.5
24	MP2C	Mx	.005	5.5
25	MP2A	X	4.417	.5
26	MP2A	Z	-7.651	.5
27	MP2A	Mx	.005	.5
28	MP2A	X	4.417	5.5
29	MP2A	Z	-7.651	5.5
30	MP2A	Mx	.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2B	X	3.368	.5
32	MP2B	Z	-5.833	.5
33	MP2B	Mx	-.000145	.5
34	MP2B	X	3.368	5.5
35	MP2B	Z	-5.833	5.5
36	MP2B	Mx	-.000145	5.5
37	MP2C	X	4.536	.5
38	MP2C	Z	-7.856	.5
39	MP2C	Mx	-.007	.5
40	MP2C	X	4.536	5.5
41	MP2C	Z	-7.856	5.5
42	MP2C	Mx	-.007	5.5
43	MP3A	X	.754	2
44	MP3A	Z	-1.307	2
45	MP3A	Mx	-.000188	2
46	MP3B	X	.274	2
47	MP3B	Z	-.474	2
48	MP3B	Mx	.000129	2
49	MP3C	X	.809	2
50	MP3C	Z	-1.4	2
51	MP3C	Mx	-.000171	2
52	MP2A	X	.362	5.08
53	MP2A	Z	-.627	5.08
54	MP2A	Mx	9e-5	5.08
55	MP2B	X	.286	5.08
56	MP2B	Z	-.495	5.08
57	MP2B	Mx	-.000134	5.08
58	MP2C	X	.371	5.08
59	MP2C	Z	-.642	5.08
60	MP2C	Mx	7.8e-5	5.08
61	MP2A	X	1.509	1.5
62	MP2A	Z	-2.614	1.5
63	MP2A	Mx	-.002	1.5
64	MP2B	X	1.167	1.5
65	MP2B	Z	-2.02	1.5
66	MP2B	Mx	8.3e-5	1.5
67	MP2C	X	1.548	1.5
68	MP2C	Z	-2.681	1.5
69	MP2C	Mx	.003	1.5
70	MP2A	X	1.459	1.5
71	MP2A	Z	-2.526	1.5
72	MP2A	Mx	.002	1.5
73	MP2B	X	.989	1.5
74	MP2B	Z	-1.712	1.5
75	MP2B	Mx	-.000999	1.5
76	MP2C	X	1.512	1.5
77	MP2C	Z	-2.618	1.5
78	MP2C	Mx	-.002	1.5
79	MP1A	X	1.738	2.9
80	MP1A	Z	-3.011	2.9
81	MP1A	Mx	-.000435	2.9
82	MP1A	X	1.738	4.3
83	MP1A	Z	-3.011	4.3
84	MP1A	Mx	-.000435	4.3
85	MP1B	X	.875	2.9
86	MP1B	Z	-1.516	2.9
87	MP1B	Mx	.000411	2.9
88	MP1B	X	.875	4.3
89	MP1B	Z	-1.516	4.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1B	Mx	.000411	4.3
91	MP1C	X	1.836	2.9
92	MP1C	Z	-3.18	2.9
93	MP1C	Mx	-.000388	2.9
94	MP1C	X	1.836	4.3
95	MP1C	Z	-3.18	4.3
96	MP1C	Mx	-.000388	4.3
97	MP2A	X	1.777	7
98	MP2A	Z	-3.078	7
99	MP2A	Mx	.000444	7
100	MP2B	X	1.013	7
101	MP2B	Z	-1.754	7
102	MP2B	Mx	-.000476	7
103	MP2C	X	1.863	7
104	MP2C	Z	-3.228	7
105	MP2C	Mx	.000394	7
106	DC	X	2.758	1
107	DC	Z	-4.777	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.535	3.25
2	MP2A	Z	-.309	3.25
3	MP2A	Mx	.000309	3.25
4	M93	X	4.428	1
5	M93	Z	-2.557	1
6	M93	Mx	0	1
7	MP2A	X	6.215	.5
8	MP2A	Z	-3.588	.5
9	MP2A	Mx	-.004	.5
10	MP2A	X	6.215	5.5
11	MP2A	Z	-3.588	5.5
12	MP2A	Mx	-.004	5.5
13	MP2B	X	5.583	.5
14	MP2B	Z	-3.224	.5
15	MP2B	Mx	.000748	.5
16	MP2B	X	5.583	5.5
17	MP2B	Z	-3.224	5.5
18	MP2B	Mx	.000748	5.5
19	MP2C	X	8.347	.5
20	MP2C	Z	-4.819	.5
21	MP2C	Mx	.007	.5
22	MP2C	X	8.347	5.5
23	MP2C	Z	-4.819	5.5
24	MP2C	Mx	.007	5.5
25	MP2A	X	6.215	.5
26	MP2A	Z	-3.588	.5
27	MP2A	Mx	.001	.5
28	MP2A	X	6.215	5.5
29	MP2A	Z	-3.588	5.5
30	MP2A	Mx	.001	5.5
31	MP2B	X	5.583	.5
32	MP2B	Z	-3.224	.5
33	MP2B	Mx	.002	.5
34	MP2B	X	5.583	5.5
35	MP2B	Z	-3.224	5.5
36	MP2B	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2C	X	8.347	.5
38	MP2C	Z	-4.819	.5
39	MP2C	Mx	-.007	.5
40	MP2C	X	8.347	5.5
41	MP2C	Z	-4.819	5.5
42	MP2C	Mx	-.007	5.5
43	MP3A	X	.649	2
44	MP3A	Z	-.375	2
45	MP3A	Mx	-.000162	2
46	MP3B	X	.36	2
47	MP3B	Z	-.208	2
48	MP3B	Mx	.000102	2
49	MP3C	X	1.625	2
50	MP3C	Z	-.938	2
51	MP3C	Mx	4.1e-5	2
52	MP2A	X	.523	5.08
53	MP2A	Z	-.302	5.08
54	MP2A	Mx	.000131	5.08
55	MP2B	X	.477	5.08
56	MP2B	Z	-.275	5.08
57	MP2B	Mx	-.000136	5.08
58	MP2C	X	.678	5.08
59	MP2C	Z	-.392	5.08
60	MP2C	Mx	-1.7e-5	5.08
61	MP2A	X	2.145	1.5
62	MP2A	Z	-1.238	1.5
63	MP2A	Mx	-.000444	1.5
64	MP2B	X	1.939	1.5
65	MP2B	Z	-1.12	1.5
66	MP2B	Mx	-.000859	1.5
67	MP2C	X	2.841	1.5
68	MP2C	Z	-1.64	1.5
69	MP2C	Mx	.003	1.5
70	MP2A	X	1.883	1.5
71	MP2A	Z	-1.087	1.5
72	MP2A	Mx	.001	1.5
73	MP2B	X	1.601	1.5
74	MP2B	Z	-.924	1.5
75	MP2B	Mx	-.000201	1.5
76	MP2C	X	2.838	1.5
77	MP2C	Z	-1.639	1.5
78	MP2C	Mx	-.003	1.5
79	MP1A	X	1.83	2.9
80	MP1A	Z	-1.057	2.9
81	MP1A	Mx	-.000458	2.9
82	MP1A	X	1.83	4.3
83	MP1A	Z	-1.057	4.3
84	MP1A	Mx	-.000458	4.3
85	MP1B	X	1.311	2.9
86	MP1B	Z	-.757	2.9
87	MP1B	Mx	.000373	2.9
88	MP1B	X	1.311	4.3
89	MP1B	Z	-.757	4.3
90	MP1B	Mx	.000373	4.3
91	MP1C	X	3.583	2.9
92	MP1C	Z	-2.069	2.9
93	MP1C	Mx	9e-5	2.9
94	MP1C	X	3.583	4.3
95	MP1C	Z	-2.069	4.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP1C	Mx	9e-5	4.3
97	MP2A	X	2.032	7
98	MP2A	Z	-1.173	7
99	MP2A	Mx	.000508	7
100	MP2B	X	1.572	7
101	MP2B	Z	-.908	7
102	MP2B	Mx	-.000447	7
103	MP2C	X	3.585	7
104	MP2C	Z	-2.07	7
105	MP2C	Mx	-9e-5	7
106	DC	X	4.428	1
107	DC	Z	-2.557	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.972	3.25
2	MP2A	Z	0	3.25
3	MP2A	Mx	.000421	3.25
4	M93	X	5.516	1
5	M93	Z	0	1
6	M93	Mx	0	1
7	MP2A	X	6.347	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	-.002	.5
10	MP2A	X	6.347	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	-.002	5.5
13	MP2B	X	7.717	.5
14	MP2B	Z	0	.5
15	MP2B	Mx	-.002	.5
16	MP2B	X	7.717	5.5
17	MP2B	Z	0	5.5
18	MP2B	Mx	-.002	5.5
19	MP2C	X	8.573	.5
20	MP2C	Z	0	.5
21	MP2C	Mx	.006	.5
22	MP2C	X	8.573	5.5
23	MP2C	Z	0	5.5
24	MP2C	Mx	.006	5.5
25	MP2A	X	6.347	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	-.002	.5
28	MP2A	X	6.347	5.5
29	MP2A	Z	0	5.5
30	MP2A	Mx	-.002	5.5
31	MP2B	X	7.717	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	.005	.5
34	MP2B	X	7.717	5.5
35	MP2B	Z	0	5.5
36	MP2B	Mx	.005	5.5
37	MP2C	X	8.573	.5
38	MP2C	Z	0	.5
39	MP2C	Mx	-.004	.5
40	MP2C	X	8.573	5.5
41	MP2C	Z	0	5.5
42	MP2C	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3A	X	.37	2
44	MP3A	Z	0	2
45	MP3A	Mx	-9.2e-5	2
46	MP3B	X	.997	2
47	MP3B	Z	0	2
48	MP3B	Mx	.000191	2
49	MP3C	X	1.389	2
50	MP3C	Z	0	2
51	MP3C	Mx	.000199	2
52	MP2A	X	.543	5.08
53	MP2A	Z	0	5.08
54	MP2A	Mx	.000136	5.08
55	MP2B	X	.643	5.08
56	MP2B	Z	0	5.08
57	MP2B	Mx	-.000123	5.08
58	MP2C	X	.705	5.08
59	MP2C	Z	0	5.08
60	MP2C	Mx	-.000101	5.08
61	MP2A	X	2.206	1.5
62	MP2A	Z	0	1.5
63	MP2A	Mx	.000552	1.5
64	MP2B	X	2.654	1.5
65	MP2B	Z	0	1.5
66	MP2B	Mx	-.002	1.5
67	MP2C	X	2.932	1.5
68	MP2C	Z	0	1.5
69	MP2C	Mx	.001	1.5
70	MP2A	X	1.803	1.5
71	MP2A	Z	0	1.5
72	MP2A	Mx	.000451	1.5
73	MP2B	X	2.417	1.5
74	MP2B	Z	0	1.5
75	MP2B	Mx	.000767	1.5
76	MP2C	X	2.8	1.5
77	MP2C	Z	0	1.5
78	MP2C	Mx	-.002	1.5
79	MP1A	X	1.432	2.9
80	MP1A	Z	0	2.9
81	MP1A	Mx	-.000358	2.9
82	MP1A	X	1.432	4.3
83	MP1A	Z	0	4.3
84	MP1A	Mx	-.000358	4.3
85	MP1B	X	2.558	2.9
86	MP1B	Z	0	2.9
87	MP1B	Mx	.00049	2.9
88	MP1B	X	2.558	4.3
89	MP1B	Z	0	4.3
90	MP1B	Mx	.00049	4.3
91	MP1C	X	3.261	2.9
92	MP1C	Z	0	2.9
93	MP1C	Mx	.000468	2.9
94	MP1C	X	3.261	4.3
95	MP1C	Z	0	4.3
96	MP1C	Mx	.000468	4.3
97	MP2A	X	1.743	7
98	MP2A	Z	0	7
99	MP2A	Mx	.000436	7
100	MP2B	X	2.741	7
101	MP2B	Z	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP2B	Mx	-.000525	7
103	MP2C	X	3.364	7
104	MP2C	Z	0	7
105	MP2C	Mx	-.000482	7
106	DC	X	5.516	1
107	DC	Z	0	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.457	3.25
2	MP2A	Z	.841	3.25
3	MP2A	Mx	.000421	3.25
4	M93	X	5.475	1
5	M93	Z	3.161	1
6	M93	Mx	0	1
7	MP2A	X	6.215	.5
8	MP2A	Z	3.588	.5
9	MP2A	Mx	.001	.5
10	MP2A	X	6.215	5.5
11	MP2A	Z	3.588	5.5
12	MP2A	Mx	.001	5.5
13	MP2B	X	8.033	.5
14	MP2B	Z	4.638	.5
15	MP2B	Mx	-.006	.5
16	MP2B	X	8.033	5.5
17	MP2B	Z	4.638	5.5
18	MP2B	Mx	-.006	5.5
19	MP2C	X	6.01	.5
20	MP2C	Z	3.47	.5
21	MP2C	Mx	.004	.5
22	MP2C	X	6.01	5.5
23	MP2C	Z	3.47	5.5
24	MP2C	Mx	.004	5.5
25	MP2A	X	6.215	.5
26	MP2A	Z	3.588	.5
27	MP2A	Mx	-.004	.5
28	MP2A	X	6.215	5.5
29	MP2A	Z	3.588	5.5
30	MP2A	Mx	-.004	5.5
31	MP2B	X	8.033	.5
32	MP2B	Z	4.638	.5
33	MP2B	Mx	.007	.5
34	MP2B	X	8.033	5.5
35	MP2B	Z	4.638	5.5
36	MP2B	Mx	.007	5.5
37	MP2C	X	6.01	.5
38	MP2C	Z	3.47	.5
39	MP2C	Mx	-.000627	.5
40	MP2C	X	6.01	5.5
41	MP2C	Z	3.47	5.5
42	MP2C	Mx	-.000627	5.5
43	MP3A	X	.649	2
44	MP3A	Z	.375	2
45	MP3A	Mx	-.000162	2
46	MP3B	X	1.481	2
47	MP3B	Z	.855	2
48	MP3B	Mx	.000146	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	X	.555	2
50	MP3C	Z	.321	2
51	MP3C	Mx	.000145	2
52	MP2A	X	.523	5.08
53	MP2A	Z	.302	5.08
54	MP2A	Mx	.000131	5.08
55	MP2B	X	.655	5.08
56	MP2B	Z	.378	5.08
57	MP2B	Mx	-6.5e-5	5.08
58	MP2C	X	.508	5.08
59	MP2C	Z	.293	5.08
60	MP2C	Mx	-.000133	5.08
61	MP2A	X	2.145	1.5
62	MP2A	Z	1.238	1.5
63	MP2A	Mx	.002	1.5
64	MP2B	X	2.738	1.5
65	MP2B	Z	1.581	1.5
66	MP2B	Mx	-.003	1.5
67	MP2C	X	2.078	1.5
68	MP2C	Z	1.2	1.5
69	MP2C	Mx	.000259	1.5
70	MP2A	X	1.883	1.5
71	MP2A	Z	1.087	1.5
72	MP2A	Mx	-.00039	1.5
73	MP2B	X	2.697	1.5
74	MP2B	Z	1.557	1.5
75	MP2B	Mx	.002	1.5
76	MP2C	X	1.791	1.5
77	MP2C	Z	1.034	1.5
78	MP2C	Mx	-.001	1.5
79	MP1A	X	1.83	2.9
80	MP1A	Z	1.057	2.9
81	MP1A	Mx	-.000458	2.9
82	MP1A	X	1.83	4.3
83	MP1A	Z	1.057	4.3
84	MP1A	Mx	-.000458	4.3
85	MP1B	X	3.325	2.9
86	MP1B	Z	1.92	2.9
87	MP1B	Mx	.000328	2.9
88	MP1B	X	3.325	4.3
89	MP1B	Z	1.92	4.3
90	MP1B	Mx	.000328	4.3
91	MP1C	X	1.662	2.9
92	MP1C	Z	.959	2.9
93	MP1C	Mx	.000435	2.9
94	MP1C	X	1.662	4.3
95	MP1C	Z	.959	4.3
96	MP1C	Mx	.000435	4.3
97	MP2A	X	2.032	7
98	MP2A	Z	1.173	7
99	MP2A	Mx	.000508	7
100	MP2B	X	3.356	7
101	MP2B	Z	1.938	7
102	MP2B	Mx	-.000331	7
103	MP2C	X	1.883	7
104	MP2C	Z	1.087	7
105	MP2C	Mx	-.000493	7
106	DC	X	5.475	1
107	DC	Z	3.161	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.018	3.25
2	MP2A	Z	1.764	3.25
3	MP2A	Mx	0	3.25
4	M93	X	3.363	1
5	M93	Z	5.824	1
6	M93	Mx	0	1
7	MP2A	X	4.417	.5
8	MP2A	Z	7.651	.5
9	MP2A	Mx	.005	.5
10	MP2A	X	4.417	5.5
11	MP2A	Z	7.651	5.5
12	MP2A	Mx	.005	5.5
13	MP2B	X	4.782	.5
14	MP2B	Z	8.282	.5
15	MP2B	Mx	-.007	.5
16	MP2B	X	4.782	5.5
17	MP2B	Z	8.282	5.5
18	MP2B	Mx	-.007	5.5
19	MP2C	X	3.186	.5
20	MP2C	Z	5.519	.5
21	MP2C	Mx	.001	.5
22	MP2C	X	3.186	5.5
23	MP2C	Z	5.519	5.5
24	MP2C	Mx	.001	5.5
25	MP2A	X	4.417	.5
26	MP2A	Z	7.651	.5
27	MP2A	Mx	-.007	.5
28	MP2A	X	4.417	5.5
29	MP2A	Z	7.651	5.5
30	MP2A	Mx	-.007	5.5
31	MP2B	X	4.782	.5
32	MP2B	Z	8.282	.5
33	MP2B	Mx	.007	.5
34	MP2B	X	4.782	5.5
35	MP2B	Z	8.282	5.5
36	MP2B	Mx	.007	5.5
37	MP2C	X	3.186	.5
38	MP2C	Z	5.519	.5
39	MP2C	Mx	.002	.5
40	MP2C	X	3.186	5.5
41	MP2C	Z	5.519	5.5
42	MP2C	Mx	.002	5.5
43	MP3A	X	.754	2
44	MP3A	Z	1.307	2
45	MP3A	Mx	-.000188	2
46	MP3B	X	.921	2
47	MP3B	Z	1.596	2
48	MP3B	Mx	-8e-5	2
49	MP3C	X	.191	2
50	MP3C	Z	.331	2
51	MP3C	Mx	9.5e-5	2
52	MP2A	X	.362	5.08
53	MP2A	Z	.627	5.08
54	MP2A	Mx	9e-5	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP2B	X	.389	5.08
56	MP2B	Z	.674	5.08
57	MP2B	Mx	3.4e-5	5.08
58	MP2C	X	.272	5.08
59	MP2C	Z	.472	5.08
60	MP2C	Mx	-.000136	5.08
61	MP2A	X	1.509	1.5
62	MP2A	Z	2.614	1.5
63	MP2A	Mx	.002	1.5
64	MP2B	X	1.628	1.5
65	MP2B	Z	2.82	1.5
66	MP2B	Mx	-.002	1.5
67	MP2C	X	1.107	1.5
68	MP2C	Z	1.918	1.5
69	MP2C	Mx	-.000705	1.5
70	MP2A	X	1.459	1.5
71	MP2A	Z	2.526	1.5
72	MP2A	Mx	-.002	1.5
73	MP2B	X	1.622	1.5
74	MP2B	Z	2.809	1.5
75	MP2B	Mx	.003	1.5
76	MP2C	X	.907	1.5
77	MP2C	Z	1.572	1.5
78	MP2C	Mx	-.000326	1.5
79	MP1A	X	1.738	2.9
80	MP1A	Z	3.011	2.9
81	MP1A	Mx	-.000435	2.9
82	MP1A	X	1.738	4.3
83	MP1A	Z	3.011	4.3
84	MP1A	Mx	-.000435	4.3
85	MP1B	X	2.038	2.9
86	MP1B	Z	3.53	2.9
87	MP1B	Mx	-.000177	2.9
88	MP1B	X	2.038	4.3
89	MP1B	Z	3.53	4.3
90	MP1B	Mx	-.000177	4.3
91	MP1C	X	.726	2.9
92	MP1C	Z	1.258	2.9
93	MP1C	Mx	.000362	2.9
94	MP1C	X	.726	4.3
95	MP1C	Z	1.258	4.3
96	MP1C	Mx	.000362	4.3
97	MP2A	X	1.777	7
98	MP2A	Z	3.078	7
99	MP2A	Mx	.000444	7
100	MP2B	X	2.043	7
101	MP2B	Z	3.538	7
102	MP2B	Mx	.000177	7
103	MP2C	X	.88	7
104	MP2C	Z	1.525	7
105	MP2C	Mx	-.000438	7
106	DC	X	3.363	1
107	DC	Z	5.824	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	1.682	3.25
3	MP2A	Mx	-.00042	3.25
4	M93	X	0	1
5	M93	Z	6.322	1
6	M93	Mx	0	1
7	MP2A	X	0	.5
8	MP2A	Z	9.664	.5
9	MP2A	Mx	.007	.5
10	MP2A	X	0	5.5
11	MP2A	Z	9.664	5.5
12	MP2A	Mx	.007	5.5
13	MP2B	X	0	.5
14	MP2B	Z	8.293	.5
15	MP2B	Mx	-.006	.5
16	MP2B	X	0	5.5
17	MP2B	Z	8.293	5.5
18	MP2B	Mx	-.006	5.5
19	MP2C	X	0	.5
20	MP2C	Z	7.438	.5
21	MP2C	Mx	-.002	.5
22	MP2C	X	0	5.5
23	MP2C	Z	7.438	5.5
24	MP2C	Mx	-.002	5.5
25	MP2A	X	0	.5
26	MP2A	Z	9.664	.5
27	MP2A	Mx	-.007	.5
28	MP2A	X	0	5.5
29	MP2A	Z	9.664	5.5
30	MP2A	Mx	-.007	5.5
31	MP2B	X	0	.5
32	MP2B	Z	8.293	.5
33	MP2B	Mx	.003	.5
34	MP2B	X	0	5.5
35	MP2B	Z	8.293	5.5
36	MP2B	Mx	.003	5.5
37	MP2C	X	0	.5
38	MP2C	Z	7.438	.5
39	MP2C	Mx	.005	.5
40	MP2C	X	0	5.5
41	MP2C	Z	7.438	5.5
42	MP2C	Mx	.005	5.5
43	MP3A	X	0	2
44	MP3A	Z	1.888	2
45	MP3A	Mx	0	2
46	MP3B	X	0	2
47	MP3B	Z	1.261	2
48	MP3B	Mx	-.000203	2
49	MP3C	X	0	2
50	MP3C	Z	.87	2
51	MP3C	Mx	.000178	2
52	MP2A	X	0	5.08
53	MP2A	Z	.785	5.08
54	MP2A	Mx	0	5.08
55	MP2B	X	0	5.08
56	MP2B	Z	.685	5.08
57	MP2B	Mx	.00011	5.08
58	MP2C	X	0	5.08
59	MP2C	Z	.623	5.08
60	MP2C	Mx	-.000128	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2A	X	0	1.5
62	MP2A	Z	3.288	1.5
63	MP2A	Mx	.003	1.5
64	MP2B	X	0	1.5
65	MP2B	Z	2.841	1.5
66	MP2B	Mx	-.001	1.5
67	MP2C	X	0	1.5
68	MP2C	Z	2.562	1.5
69	MP2C	Mx	-.002	1.5
70	MP2A	X	0	1.5
71	MP2A	Z	3.288	1.5
72	MP2A	Mx	-.003	1.5
73	MP2B	X	0	1.5
74	MP2B	Z	2.675	1.5
75	MP2B	Mx	.002	1.5
76	MP2C	X	0	1.5
77	MP2C	Z	2.292	1.5
78	MP2C	Mx	.000571	1.5
79	MP1A	X	0	2.9
80	MP1A	Z	4.158	2.9
81	MP1A	Mx	0	2.9
82	MP1A	X	0	4.3
83	MP1A	Z	4.158	4.3
84	MP1A	Mx	0	4.3
85	MP1B	X	0	2.9
86	MP1B	Z	3.032	2.9
87	MP1B	Mx	-.000487	2.9
88	MP1B	X	0	4.3
89	MP1B	Z	3.032	4.3
90	MP1B	Mx	-.000487	4.3
91	MP1C	X	0	2.9
92	MP1C	Z	2.329	2.9
93	MP1C	Mx	.000477	2.9
94	MP1C	X	0	4.3
95	MP1C	Z	2.329	4.3
96	MP1C	Mx	.000477	4.3
97	MP2A	X	0	7
98	MP2A	Z	4.158	7
99	MP2A	Mx	0	7
100	MP2B	X	0	7
101	MP2B	Z	3.16	7
102	MP2B	Mx	.000508	7
103	MP2C	X	0	7
104	MP2C	Z	2.537	7
105	MP2C	Mx	-.00052	7
106	DC	X	0	1
107	DC	Z	6.322	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.486	3.25
2	MP2A	Z	.842	3.25
3	MP2A	Mx	-.000421	3.25
4	M93	X	-2.758	1
5	M93	Z	4.777	1
6	M93	Mx	0	1
7	MP2A	X	-4.417	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2A	Z	7.651	.5
9	MP2A	Mx	.007	.5
10	MP2A	X	-4.417	5.5
11	MP2A	Z	7.651	5.5
12	MP2A	Mx	.007	5.5
13	MP2B	X	-3.368	.5
14	MP2B	Z	5.833	.5
15	MP2B	Mx	-.003	.5
16	MP2B	X	-3.368	5.5
17	MP2B	Z	5.833	5.5
18	MP2B	Mx	-.003	5.5
19	MP2C	X	-4.536	.5
20	MP2C	Z	7.856	.5
21	MP2C	Mx	-.005	.5
22	MP2C	X	-4.536	5.5
23	MP2C	Z	7.856	5.5
24	MP2C	Mx	-.005	5.5
25	MP2A	X	-4.417	.5
26	MP2A	Z	7.651	.5
27	MP2A	Mx	-.005	.5
28	MP2A	X	-4.417	5.5
29	MP2A	Z	7.651	5.5
30	MP2A	Mx	-.005	5.5
31	MP2B	X	-3.368	.5
32	MP2B	Z	5.833	.5
33	MP2B	Mx	.000145	.5
34	MP2B	X	-3.368	5.5
35	MP2B	Z	5.833	5.5
36	MP2B	Mx	.000145	5.5
37	MP2C	X	-4.536	.5
38	MP2C	Z	7.856	.5
39	MP2C	Mx	.007	.5
40	MP2C	X	-4.536	5.5
41	MP2C	Z	7.856	5.5
42	MP2C	Mx	.007	5.5
43	MP3A	X	-.754	2
44	MP3A	Z	1.307	2
45	MP3A	Mx	.000188	2
46	MP3B	X	-.274	2
47	MP3B	Z	.474	2
48	MP3B	Mx	-.000129	2
49	MP3C	X	-.809	2
50	MP3C	Z	1.4	2
51	MP3C	Mx	.000171	2
52	MP2A	X	-.362	5.08
53	MP2A	Z	.627	5.08
54	MP2A	Mx	-9e-5	5.08
55	MP2B	X	-.286	5.08
56	MP2B	Z	.495	5.08
57	MP2B	Mx	.000134	5.08
58	MP2C	X	-.371	5.08
59	MP2C	Z	.642	5.08
60	MP2C	Mx	-7.8e-5	5.08
61	MP2A	X	-1.509	1.5
62	MP2A	Z	2.614	1.5
63	MP2A	Mx	.002	1.5
64	MP2B	X	-1.167	1.5
65	MP2B	Z	2.02	1.5
66	MP2B	Mx	-8.3e-5	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP2C	X	-1.548	1.5
68	MP2C	Z	2.681	1.5
69	MP2C	Mx	-.003	1.5
70	MP2A	X	-1.459	1.5
71	MP2A	Z	2.526	1.5
72	MP2A	Mx	-.002	1.5
73	MP2B	X	-.989	1.5
74	MP2B	Z	1.712	1.5
75	MP2B	Mx	.000999	1.5
76	MP2C	X	-1.512	1.5
77	MP2C	Z	2.618	1.5
78	MP2C	Mx	.002	1.5
79	MP1A	X	-1.738	2.9
80	MP1A	Z	3.011	2.9
81	MP1A	Mx	.000435	2.9
82	MP1A	X	-1.738	4.3
83	MP1A	Z	3.011	4.3
84	MP1A	Mx	.000435	4.3
85	MP1B	X	-.875	2.9
86	MP1B	Z	1.516	2.9
87	MP1B	Mx	-.000411	2.9
88	MP1B	X	-.875	4.3
89	MP1B	Z	1.516	4.3
90	MP1B	Mx	-.000411	4.3
91	MP1C	X	-1.836	2.9
92	MP1C	Z	3.18	2.9
93	MP1C	Mx	.000388	2.9
94	MP1C	X	-1.836	4.3
95	MP1C	Z	3.18	4.3
96	MP1C	Mx	.000388	4.3
97	MP2A	X	-1.777	7
98	MP2A	Z	3.078	7
99	MP2A	Mx	-.000444	7
100	MP2B	X	-1.013	7
101	MP2B	Z	1.754	7
102	MP2B	Mx	.000476	7
103	MP2C	X	-1.863	7
104	MP2C	Z	3.228	7
105	MP2C	Mx	-.000394	7
106	DC	X	-2.758	1
107	DC	Z	4.777	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.535	3.25
2	MP2A	Z	.309	3.25
3	MP2A	Mx	-.000309	3.25
4	M93	X	-4.428	1
5	M93	Z	2.557	1
6	M93	Mx	0	1
7	MP2A	X	-6.215	.5
8	MP2A	Z	3.588	.5
9	MP2A	Mx	.004	.5
10	MP2A	X	-6.215	5.5
11	MP2A	Z	3.588	5.5
12	MP2A	Mx	.004	5.5
13	MP2B	X	-5.583	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP2B	Z	3.224	.5
15	MP2B	Mx	-.000748	.5
16	MP2B	X	-5.583	5.5
17	MP2B	Z	3.224	5.5
18	MP2B	Mx	-.000748	5.5
19	MP2C	X	-8.347	.5
20	MP2C	Z	4.819	.5
21	MP2C	Mx	-.007	.5
22	MP2C	X	-8.347	5.5
23	MP2C	Z	4.819	5.5
24	MP2C	Mx	-.007	5.5
25	MP2A	X	-6.215	.5
26	MP2A	Z	3.588	.5
27	MP2A	Mx	-.001	.5
28	MP2A	X	-6.215	5.5
29	MP2A	Z	3.588	5.5
30	MP2A	Mx	-.001	5.5
31	MP2B	X	-5.583	.5
32	MP2B	Z	3.224	.5
33	MP2B	Mx	-.002	.5
34	MP2B	X	-5.583	5.5
35	MP2B	Z	3.224	5.5
36	MP2B	Mx	-.002	5.5
37	MP2C	X	-8.347	.5
38	MP2C	Z	4.819	.5
39	MP2C	Mx	.007	.5
40	MP2C	X	-8.347	5.5
41	MP2C	Z	4.819	5.5
42	MP2C	Mx	.007	5.5
43	MP3A	X	-.649	2
44	MP3A	Z	.375	2
45	MP3A	Mx	.000162	2
46	MP3B	X	-.36	2
47	MP3B	Z	.208	2
48	MP3B	Mx	-.000102	2
49	MP3C	X	-1.625	2
50	MP3C	Z	.938	2
51	MP3C	Mx	-4.1e-5	2
52	MP2A	X	-.523	5.08
53	MP2A	Z	.302	5.08
54	MP2A	Mx	-.000131	5.08
55	MP2B	X	-.477	5.08
56	MP2B	Z	.275	5.08
57	MP2B	Mx	.000136	5.08
58	MP2C	X	-.678	5.08
59	MP2C	Z	.392	5.08
60	MP2C	Mx	1.7e-5	5.08
61	MP2A	X	-2.145	1.5
62	MP2A	Z	1.238	1.5
63	MP2A	Mx	.000444	1.5
64	MP2B	X	-1.939	1.5
65	MP2B	Z	1.12	1.5
66	MP2B	Mx	.000859	1.5
67	MP2C	X	-2.841	1.5
68	MP2C	Z	1.64	1.5
69	MP2C	Mx	-.003	1.5
70	MP2A	X	-1.883	1.5
71	MP2A	Z	1.087	1.5
72	MP2A	Mx	-.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP2B	X	-1.601	1.5
74	MP2B	Z	.924	1.5
75	MP2B	Mx	.000201	1.5
76	MP2C	X	-2.838	1.5
77	MP2C	Z	1.639	1.5
78	MP2C	Mx	.003	1.5
79	MP1A	X	-1.83	2.9
80	MP1A	Z	1.057	2.9
81	MP1A	Mx	.000458	2.9
82	MP1A	X	-1.83	4.3
83	MP1A	Z	1.057	4.3
84	MP1A	Mx	.000458	4.3
85	MP1B	X	-1.311	2.9
86	MP1B	Z	.757	2.9
87	MP1B	Mx	-.000373	2.9
88	MP1B	X	-1.311	4.3
89	MP1B	Z	.757	4.3
90	MP1B	Mx	-.000373	4.3
91	MP1C	X	-3.583	2.9
92	MP1C	Z	2.069	2.9
93	MP1C	Mx	-9e-5	2.9
94	MP1C	X	-3.583	4.3
95	MP1C	Z	2.069	4.3
96	MP1C	Mx	-9e-5	4.3
97	MP2A	X	-2.032	7
98	MP2A	Z	1.173	7
99	MP2A	Mx	-.000508	7
100	MP2B	X	-1.572	7
101	MP2B	Z	.908	7
102	MP2B	Mx	.000447	7
103	MP2C	X	-3.585	7
104	MP2C	Z	2.07	7
105	MP2C	Mx	9e-5	7
106	DC	X	-4.428	1
107	DC	Z	2.557	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.972	3.25
2	MP2A	Z	0	3.25
3	MP2A	Mx	-.000421	3.25
4	M93	X	-5.516	1
5	M93	Z	0	1
6	M93	Mx	0	1
7	MP2A	X	-6.347	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	.002	.5
10	MP2A	X	-6.347	5.5
11	MP2A	Z	0	5.5
12	MP2A	Mx	.002	5.5
13	MP2B	X	-7.717	.5
14	MP2B	Z	0	.5
15	MP2B	Mx	.002	.5
16	MP2B	X	-7.717	5.5
17	MP2B	Z	0	5.5
18	MP2B	Mx	.002	5.5
19	MP2C	X	-8.573	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2C	Z	0	.5
21	MP2C	Mx	-.006	.5
22	MP2C	X	-8.573	5.5
23	MP2C	Z	0	5.5
24	MP2C	Mx	-.006	5.5
25	MP2A	X	-6.347	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	.002	.5
28	MP2A	X	-6.347	5.5
29	MP2A	Z	0	5.5
30	MP2A	Mx	.002	5.5
31	MP2B	X	-7.717	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	-.005	.5
34	MP2B	X	-7.717	5.5
35	MP2B	Z	0	5.5
36	MP2B	Mx	-.005	5.5
37	MP2C	X	-8.573	.5
38	MP2C	Z	0	.5
39	MP2C	Mx	.004	.5
40	MP2C	X	-8.573	5.5
41	MP2C	Z	0	5.5
42	MP2C	Mx	.004	5.5
43	MP3A	X	-.37	2
44	MP3A	Z	0	2
45	MP3A	Mx	9.2e-5	2
46	MP3B	X	-.997	2
47	MP3B	Z	0	2
48	MP3B	Mx	-.000191	2
49	MP3C	X	-1.389	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.000199	2
52	MP2A	X	-.543	5.08
53	MP2A	Z	0	5.08
54	MP2A	Mx	-.000136	5.08
55	MP2B	X	-.643	5.08
56	MP2B	Z	0	5.08
57	MP2B	Mx	.000123	5.08
58	MP2C	X	-.705	5.08
59	MP2C	Z	0	5.08
60	MP2C	Mx	.000101	5.08
61	MP2A	X	-2.206	1.5
62	MP2A	Z	0	1.5
63	MP2A	Mx	-.000552	1.5
64	MP2B	X	-2.654	1.5
65	MP2B	Z	0	1.5
66	MP2B	Mx	.002	1.5
67	MP2C	X	-2.932	1.5
68	MP2C	Z	0	1.5
69	MP2C	Mx	-.001	1.5
70	MP2A	X	-1.803	1.5
71	MP2A	Z	0	1.5
72	MP2A	Mx	-.000451	1.5
73	MP2B	X	-2.417	1.5
74	MP2B	Z	0	1.5
75	MP2B	Mx	-.000767	1.5
76	MP2C	X	-2.8	1.5
77	MP2C	Z	0	1.5
78	MP2C	Mx	.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1A	X	-1.432	2.9
80	MP1A	Z	0	2.9
81	MP1A	Mx	.000358	2.9
82	MP1A	X	-1.432	4.3
83	MP1A	Z	0	4.3
84	MP1A	Mx	.000358	4.3
85	MP1B	X	-2.558	2.9
86	MP1B	Z	0	2.9
87	MP1B	Mx	-.00049	2.9
88	MP1B	X	-2.558	4.3
89	MP1B	Z	0	4.3
90	MP1B	Mx	-.00049	4.3
91	MP1C	X	-3.261	2.9
92	MP1C	Z	0	2.9
93	MP1C	Mx	-.000468	2.9
94	MP1C	X	-3.261	4.3
95	MP1C	Z	0	4.3
96	MP1C	Mx	-.000468	4.3
97	MP2A	X	-1.743	7
98	MP2A	Z	0	7
99	MP2A	Mx	-.000436	7
100	MP2B	X	-2.741	7
101	MP2B	Z	0	7
102	MP2B	Mx	.000525	7
103	MP2C	X	-3.364	7
104	MP2C	Z	0	7
105	MP2C	Mx	.000482	7
106	DC	X	-5.516	1
107	DC	Z	0	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.457	3.25
2	MP2A	Z	-.841	3.25
3	MP2A	Mx	-.000421	3.25
4	M93	X	-5.475	1
5	M93	Z	-3.161	1
6	M93	Mx	0	1
7	MP2A	X	-6.215	.5
8	MP2A	Z	-3.588	.5
9	MP2A	Mx	-.001	.5
10	MP2A	X	-6.215	5.5
11	MP2A	Z	-3.588	5.5
12	MP2A	Mx	-.001	5.5
13	MP2B	X	-8.033	.5
14	MP2B	Z	-4.638	.5
15	MP2B	Mx	.006	.5
16	MP2B	X	-8.033	5.5
17	MP2B	Z	-4.638	5.5
18	MP2B	Mx	.006	5.5
19	MP2C	X	-6.01	.5
20	MP2C	Z	-3.47	.5
21	MP2C	Mx	-.004	.5
22	MP2C	X	-6.01	5.5
23	MP2C	Z	-3.47	5.5
24	MP2C	Mx	-.004	5.5
25	MP2A	X	-6.215	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2A	Z	-3.588	.5
27	MP2A	Mx	.004	.5
28	MP2A	X	-6.215	5.5
29	MP2A	Z	-3.588	5.5
30	MP2A	Mx	.004	5.5
31	MP2B	X	-8.033	.5
32	MP2B	Z	-4.638	.5
33	MP2B	Mx	-.007	.5
34	MP2B	X	-8.033	5.5
35	MP2B	Z	-4.638	5.5
36	MP2B	Mx	-.007	5.5
37	MP2C	X	-6.01	.5
38	MP2C	Z	-3.47	.5
39	MP2C	Mx	.000627	.5
40	MP2C	X	-6.01	5.5
41	MP2C	Z	-3.47	5.5
42	MP2C	Mx	.000627	5.5
43	MP3A	X	-.649	2
44	MP3A	Z	-.375	2
45	MP3A	Mx	.000162	2
46	MP3B	X	-1.481	2
47	MP3B	Z	-.855	2
48	MP3B	Mx	-.000146	2
49	MP3C	X	-.555	2
50	MP3C	Z	-.321	2
51	MP3C	Mx	-.000145	2
52	MP2A	X	-.523	5.08
53	MP2A	Z	-.302	5.08
54	MP2A	Mx	-.000131	5.08
55	MP2B	X	-.655	5.08
56	MP2B	Z	-.378	5.08
57	MP2B	Mx	6.5e-5	5.08
58	MP2C	X	-.508	5.08
59	MP2C	Z	-.293	5.08
60	MP2C	Mx	.000133	5.08
61	MP2A	X	-2.145	1.5
62	MP2A	Z	-1.238	1.5
63	MP2A	Mx	-.002	1.5
64	MP2B	X	-2.738	1.5
65	MP2B	Z	-1.581	1.5
66	MP2B	Mx	.003	1.5
67	MP2C	X	-2.078	1.5
68	MP2C	Z	-1.2	1.5
69	MP2C	Mx	-.000259	1.5
70	MP2A	X	-1.883	1.5
71	MP2A	Z	-1.087	1.5
72	MP2A	Mx	.00039	1.5
73	MP2B	X	-2.697	1.5
74	MP2B	Z	-1.557	1.5
75	MP2B	Mx	-.002	1.5
76	MP2C	X	-1.791	1.5
77	MP2C	Z	-1.034	1.5
78	MP2C	Mx	.001	1.5
79	MP1A	X	-1.83	2.9
80	MP1A	Z	-1.057	2.9
81	MP1A	Mx	.000458	2.9
82	MP1A	X	-1.83	4.3
83	MP1A	Z	-1.057	4.3
84	MP1A	Mx	.000458	4.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	-3.325	2.9
86	MP1B	Z	-1.92	2.9
87	MP1B	Mx	-.000328	2.9
88	MP1B	X	-3.325	4.3
89	MP1B	Z	-1.92	4.3
90	MP1B	Mx	-.000328	4.3
91	MP1C	X	-1.662	2.9
92	MP1C	Z	-.959	2.9
93	MP1C	Mx	-.000435	2.9
94	MP1C	X	-1.662	4.3
95	MP1C	Z	-.959	4.3
96	MP1C	Mx	-.000435	4.3
97	MP2A	X	-2.032	7
98	MP2A	Z	-1.173	7
99	MP2A	Mx	-.000508	7
100	MP2B	X	-3.356	7
101	MP2B	Z	-1.938	7
102	MP2B	Mx	.000331	7
103	MP2C	X	-1.883	7
104	MP2C	Z	-1.087	7
105	MP2C	Mx	.000493	7
106	DC	X	-5.475	1
107	DC	Z	-3.161	1
108	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.018	3.25
2	MP2A	Z	-1.764	3.25
3	MP2A	Mx	0	3.25
4	M93	X	-3.363	1
5	M93	Z	-5.824	1
6	M93	Mx	0	1
7	MP2A	X	-4.417	.5
8	MP2A	Z	-7.651	.5
9	MP2A	Mx	-.005	.5
10	MP2A	X	-4.417	5.5
11	MP2A	Z	-7.651	5.5
12	MP2A	Mx	-.005	5.5
13	MP2B	X	-4.782	.5
14	MP2B	Z	-8.282	.5
15	MP2B	Mx	.007	.5
16	MP2B	X	-4.782	5.5
17	MP2B	Z	-8.282	5.5
18	MP2B	Mx	.007	5.5
19	MP2C	X	-3.186	.5
20	MP2C	Z	-5.519	.5
21	MP2C	Mx	-.001	.5
22	MP2C	X	-3.186	5.5
23	MP2C	Z	-5.519	5.5
24	MP2C	Mx	-.001	5.5
25	MP2A	X	-4.417	.5
26	MP2A	Z	-7.651	.5
27	MP2A	Mx	.007	.5
28	MP2A	X	-4.417	5.5
29	MP2A	Z	-7.651	5.5
30	MP2A	Mx	.007	5.5
31	MP2B	X	-4.782	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2B	Z	-8.282	.5
33	MP2B	Mx	-.007	.5
34	MP2B	X	-4.782	5.5
35	MP2B	Z	-8.282	5.5
36	MP2B	Mx	-.007	5.5
37	MP2C	X	-3.186	.5
38	MP2C	Z	-5.519	.5
39	MP2C	Mx	-.002	.5
40	MP2C	X	-3.186	5.5
41	MP2C	Z	-5.519	5.5
42	MP2C	Mx	-.002	5.5
43	MP3A	X	-.754	2
44	MP3A	Z	-1.307	2
45	MP3A	Mx	.000188	2
46	MP3B	X	-.921	2
47	MP3B	Z	-1.596	2
48	MP3B	Mx	8e-5	2
49	MP3C	X	-.191	2
50	MP3C	Z	-.331	2
51	MP3C	Mx	-9.5e-5	2
52	MP2A	X	-.362	5.08
53	MP2A	Z	-.627	5.08
54	MP2A	Mx	-9e-5	5.08
55	MP2B	X	-.389	5.08
56	MP2B	Z	-.674	5.08
57	MP2B	Mx	-3.4e-5	5.08
58	MP2C	X	-.272	5.08
59	MP2C	Z	-.472	5.08
60	MP2C	Mx	.000136	5.08
61	MP2A	X	-1.509	1.5
62	MP2A	Z	-2.614	1.5
63	MP2A	Mx	-.002	1.5
64	MP2B	X	-1.628	1.5
65	MP2B	Z	-2.82	1.5
66	MP2B	Mx	.002	1.5
67	MP2C	X	-1.107	1.5
68	MP2C	Z	-1.918	1.5
69	MP2C	Mx	.000705	1.5
70	MP2A	X	-1.459	1.5
71	MP2A	Z	-2.526	1.5
72	MP2A	Mx	.002	1.5
73	MP2B	X	-1.622	1.5
74	MP2B	Z	-2.809	1.5
75	MP2B	Mx	-.003	1.5
76	MP2C	X	-.907	1.5
77	MP2C	Z	-1.572	1.5
78	MP2C	Mx	.000326	1.5
79	MP1A	X	-1.738	2.9
80	MP1A	Z	-3.011	2.9
81	MP1A	Mx	.000435	2.9
82	MP1A	X	-1.738	4.3
83	MP1A	Z	-3.011	4.3
84	MP1A	Mx	.000435	4.3
85	MP1B	X	-2.038	2.9
86	MP1B	Z	-3.53	2.9
87	MP1B	Mx	.000177	2.9
88	MP1B	X	-2.038	4.3
89	MP1B	Z	-3.53	4.3
90	MP1B	Mx	.000177	4.3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP1C	X	-.726	2.9
92	MP1C	Z	-1.258	2.9
93	MP1C	Mx	-.000362	2.9
94	MP1C	X	-.726	4.3
95	MP1C	Z	-1.258	4.3
96	MP1C	Mx	-.000362	4.3
97	MP2A	X	-1.777	7
98	MP2A	Z	-3.078	7
99	MP2A	Mx	-.000444	7
100	MP2B	X	-2.043	7
101	MP2B	Z	-3.538	7
102	MP2B	Mx	-.000177	7
103	MP2C	X	-.88	7
104	MP2C	Z	-1.525	7
105	MP2C	Mx	.000438	7
106	DC	X	-3.363	1
107	DC	Z	-5.824	1
108	DC	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

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

Member Point Loads (BLC 78 : Lm2)

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

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	0	3.25
2	MP2A	My	0	3.25
3	MP2A	Mz	0	3.25
4	M93	Y	0	1
5	M93	My	0	1
6	M93	Mz	0	1
7	MP2A	Y	0	.5
8	MP2A	My	0	.5
9	MP2A	Mz	0	.5
10	MP2A	Y	0	5.5
11	MP2A	My	0	5.5
12	MP2A	Mz	0	5.5
13	MP2B	Y	0	.5
14	MP2B	My	0	.5
15	MP2B	Mz	0	.5
16	MP2B	Y	0	5.5
17	MP2B	My	0	5.5
18	MP2B	Mz	0	5.5
19	MP2C	Y	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2C	My	0	.5
21	MP2C	Mz	0	.5
22	MP2C	Y	0	5.5
23	MP2C	My	0	5.5
24	MP2C	Mz	0	5.5
25	MP2A	Y	0	.5
26	MP2A	My	0	.5
27	MP2A	Mz	0	.5
28	MP2A	Y	0	5.5
29	MP2A	My	0	5.5
30	MP2A	Mz	0	5.5
31	MP2B	Y	0	.5
32	MP2B	My	0	.5
33	MP2B	Mz	0	.5
34	MP2B	Y	0	5.5
35	MP2B	My	0	5.5
36	MP2B	Mz	0	5.5
37	MP2C	Y	0	.5
38	MP2C	My	0	.5
39	MP2C	Mz	0	.5
40	MP2C	Y	0	5.5
41	MP2C	My	0	5.5
42	MP2C	Mz	0	5.5
43	MP3A	Y	0	2
44	MP3A	My	0	2
45	MP3A	Mz	0	2
46	MP3B	Y	0	2
47	MP3B	My	0	2
48	MP3B	Mz	0	2
49	MP3C	Y	0	2
50	MP3C	My	0	2
51	MP3C	Mz	0	2
52	MP2A	Y	0	5.08
53	MP2A	My	0	5.08
54	MP2A	Mz	0	5.08
55	MP2B	Y	0	5.08
56	MP2B	My	0	5.08
57	MP2B	Mz	0	5.08
58	MP2C	Y	0	5.08
59	MP2C	My	0	5.08
60	MP2C	Mz	0	5.08
61	MP2A	Y	0	1.5
62	MP2A	My	0	1.5
63	MP2A	Mz	0	1.5
64	MP2B	Y	0	1.5
65	MP2B	My	0	1.5
66	MP2B	Mz	0	1.5
67	MP2C	Y	0	1.5
68	MP2C	My	0	1.5
69	MP2C	Mz	0	1.5
70	MP2A	Y	0	1.5
71	MP2A	My	0	1.5
72	MP2A	Mz	0	1.5
73	MP2B	Y	0	1.5
74	MP2B	My	0	1.5
75	MP2B	Mz	0	1.5
76	MP2C	Y	0	1.5
77	MP2C	My	0	1.5
78	MP2C	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1A	Y	0	2.9
80	MP1A	My	0	2.9
81	MP1A	Mz	0	2.9
82	MP1A	Y	0	4.3
83	MP1A	My	0	4.3
84	MP1A	Mz	0	4.3
85	MP1B	Y	0	2.9
86	MP1B	My	0	2.9
87	MP1B	Mz	0	2.9
88	MP1B	Y	0	4.3
89	MP1B	My	0	4.3
90	MP1B	Mz	0	4.3
91	MP1C	Y	0	2.9
92	MP1C	My	0	2.9
93	MP1C	Mz	0	2.9
94	MP1C	Y	0	4.3
95	MP1C	My	0	4.3
96	MP1C	Mz	0	4.3
97	MP2A	Y	0	7
98	MP2A	My	0	7
99	MP2A	Mz	0	7
100	MP2B	Y	0	7
101	MP2B	My	0	7
102	MP2B	Mz	0	7
103	MP2C	Y	0	7
104	MP2C	My	0	7
105	MP2C	Mz	0	7
106	DC	Y	0	1
107	DC	My	0	1
108	DC	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-.528	3.25
2	MP2A	Mx	.000132	3.25
3	M93	Z	-.96	1
4	M93	Mx	0	1
5	MP2A	Z	-.95	.5
6	MP2A	Mx	-.000712	.5
7	MP2A	Z	-.95	5.5
8	MP2A	Mx	-.000712	5.5
9	MP2B	Z	-.95	.5
10	MP2B	Mx	.000698	.5
11	MP2B	Z	-.95	5.5
12	MP2B	Mx	.000698	5.5
13	MP2C	Z	-.95	.5
14	MP2C	Mx	.000214	.5
15	MP2C	Z	-.95	5.5
16	MP2C	Mx	.000214	5.5
17	MP2A	Z	-.95	.5
18	MP2A	Mx	.000712	.5
19	MP2A	Z	-.95	5.5
20	MP2A	Mx	.000712	5.5
21	MP2B	Z	-.95	.5
22	MP2B	Mx	-.000393	.5
23	MP2B	Z	-.95	5.5
24	MP2B	Mx	-.000393	5.5
25	MP2C	Z	-.95	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2C	Mx	-.000603	.5
27	MP2C	Z	-.95	5.5
28	MP2C	Mx	-.000603	5.5
29	MP3A	Z	-.132	2
30	MP3A	Mx	0	2
31	MP3B	Z	-.132	2
32	MP3B	Mx	2.1e-5	2
33	MP3C	Z	-.132	2
34	MP3C	Mx	-2.7e-5	2
35	MP2A	Z	-.312	5.08
36	MP2A	Mx	0	5.08
37	MP2B	Z	-.312	5.08
38	MP2B	Mx	-5e-5	5.08
39	MP2C	Z	-.312	5.08
40	MP2C	Mx	6.4e-5	5.08
41	MP2A	Z	-2.532	1.5
42	MP2A	Mx	-.002	1.5
43	MP2B	Z	-2.532	1.5
44	MP2B	Mx	.001	1.5
45	MP2C	Z	-2.532	1.5
46	MP2C	Mx	.002	1.5
47	MP2A	Z	-2.109	1.5
48	MP2A	Mx	.002	1.5
49	MP2B	Z	-2.109	1.5
50	MP2B	Mx	-.002	1.5
51	MP2C	Z	-2.109	1.5
52	MP2C	Mx	-.000526	1.5
53	MP1A	Z	-1.306	2.9
54	MP1A	Mx	0	2.9
55	MP1A	Z	-1.306	4.3
56	MP1A	Mx	0	4.3
57	MP1B	Z	-1.306	2.9
58	MP1B	Mx	.00021	2.9
59	MP1B	Z	-1.306	4.3
60	MP1B	Mx	.00021	4.3
61	MP1C	Z	-1.306	2.9
62	MP1C	Mx	-.000268	2.9
63	MP1C	Z	-1.306	4.3
64	MP1C	Mx	-.000268	4.3
65	MP2A	Z	-1.587	7
66	MP2A	Mx	0	7
67	MP2B	Z	-1.587	7
68	MP2B	Mx	-.000255	7
69	MP2C	Z	-1.587	7
70	MP2C	Mx	.000325	7
71	DC	Z	-.96	1
72	DC	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.528	3.25
2	MP2A	Mx	.000229	3.25
3	M93	X	.96	1
4	M93	Mx	0	1
5	MP2A	X	.95	.5
6	MP2A	Mx	-.000237	.5
7	MP2A	X	.95	5.5
8	MP2A	Mx	-.000237	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	X	.95	.5
10	MP2B	Mx	-.000276	.5
11	MP2B	X	.95	5.5
12	MP2B	Mx	-.000276	5.5
13	MP2C	X	.95	.5
14	MP2C	Mx	.000719	.5
15	MP2C	X	.95	5.5
16	MP2C	Mx	.000719	5.5
17	MP2A	X	.95	.5
18	MP2A	Mx	-.000237	.5
19	MP2A	X	.95	5.5
20	MP2A	Mx	-.000237	5.5
21	MP2B	X	.95	.5
22	MP2B	Mx	.00064	.5
23	MP2B	X	.95	5.5
24	MP2B	Mx	.00064	5.5
25	MP2C	X	.95	.5
26	MP2C	Mx	-.000447	.5
27	MP2C	X	.95	5.5
28	MP2C	Mx	-.000447	5.5
29	MP3A	X	.132	2
30	MP3A	Mx	-3.3e-5	2
31	MP3B	X	.132	2
32	MP3B	Mx	2.5e-5	2
33	MP3C	X	.132	2
34	MP3C	Mx	1.9e-5	2
35	MP2A	X	.312	5.08
36	MP2A	Mx	7.8e-5	5.08
37	MP2B	X	.312	5.08
38	MP2B	Mx	-6e-5	5.08
39	MP2C	X	.312	5.08
40	MP2C	Mx	-4.5e-5	5.08
41	MP2A	X	2.532	1.5
42	MP2A	Mx	.000633	1.5
43	MP2B	X	2.532	1.5
44	MP2B	Mx	-.002	1.5
45	MP2C	X	2.532	1.5
46	MP2C	Mx	.001	1.5
47	MP2A	X	2.109	1.5
48	MP2A	Mx	.000527	1.5
49	MP2B	X	2.109	1.5
50	MP2B	Mx	.000669	1.5
51	MP2C	X	2.109	1.5
52	MP2C	Mx	-.002	1.5
53	MP1A	X	1.306	2.9
54	MP1A	Mx	-.000327	2.9
55	MP1A	X	1.306	4.3
56	MP1A	Mx	-.000327	4.3
57	MP1B	X	1.306	2.9
58	MP1B	Mx	.00025	2.9
59	MP1B	X	1.306	4.3
60	MP1B	Mx	.00025	4.3
61	MP1C	X	1.306	2.9
62	MP1C	Mx	.000187	2.9
63	MP1C	X	1.306	4.3
64	MP1C	Mx	.000187	4.3
65	MP2A	X	1.587	7
66	MP2A	Mx	.000397	7
67	MP2B	X	1.587	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2B	Mx	-.000304	7
69	MP2C	X	1.587	7
70	MP2C	Mx	-.000228	7
71	DC	X	.96	1
72	DC	Mx	0	1

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	M4	Y	-9.609	-9.609	0	%100
2	M14	Y	-9.609	-9.609	0	%100
3	M27	Y	-9.609	-9.609	0	%100
4	MP4A	Y	-4.979	-4.979	0	%100
5	MP3A	Y	-4.979	-4.979	0	%100
6	MP2A	Y	-4.979	-4.979	0	%100
7	MP1A	Y	-4.979	-4.979	0	%100
8	M71	Y	-4.979	-4.979	0	%100
9	M80	Y	-6.616	-6.616	0	%100
10	M93	Y	-4.979	-4.979	0	%100
11	FACE	Y	-9.609	-9.609	0	%100
12	M95A	Y	-9.609	-9.609	0	%100
13	M96A	Y	-9.609	-9.609	0	%100
14	MP4C	Y	-4.979	-4.979	0	%100
15	MP3C	Y	-4.979	-4.979	0	%100
16	MP2C	Y	-4.979	-4.979	0	%100
17	MP1C	Y	-4.979	-4.979	0	%100
18	M72	Y	-4.979	-4.979	0	%100
19	MP4B	Y	-4.979	-4.979	0	%100
20	MP3B	Y	-4.979	-4.979	0	%100
21	MP2B	Y	-4.979	-4.979	0	%100
22	MP1B	Y	-4.979	-4.979	0	%100
23	M87A	Y	-4.979	-4.979	0	%100
24	M93C	Y	-6.616	-6.616	0	%100
25	M94B	Y	-6.616	-6.616	0	%100
26	DC	Y	-4.979	-4.979	0	%100
27	M95B	Y	-10.093	-10.093	0	%100
28	M96C	Y	-10.093	-10.093	0	%100
29	M97	Y	-10.093	-10.093	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	-11.207	-11.207	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	-11.207	-11.207	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	-8.062	-8.062	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-8.062	-8.062	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-8.062	-8.062	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-8.062	-8.062	0	%100
15	M71	X	0	0	0	%100
16	M71	Z	-8.062	-8.062	0	%100
17	M80	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
18	M80	Z	-2.655	-2.655	0	%100
19	M93	X	0	0	0	%100
20	M93	Z	-7.347	-7.347	0	%100
21	FACE	X	0	0	0	%100
22	FACE	Z	-14.144	-14.144	0	%100
23	M95A	X	0	0	0	%100
24	M95A	Z	-3.536	-3.536	0	%100
25	M96A	X	0	0	0	%100
26	M96A	Z	-3.536	-3.536	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	-8.062	-8.062	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	-8.062	-8.062	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-8.062	-8.062	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-8.062	-8.062	0	%100
35	M72	X	0	0	0	%100
36	M72	Z	-2.016	-2.016	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-8.062	-8.062	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	-8.062	-8.062	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	-8.062	-8.062	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-8.062	-8.062	0	%100
45	M87A	X	0	0	0	%100
46	M87A	Z	-2.016	-2.016	0	%100
47	M93C	X	0	0	0	%100
48	M93C	Z	-2.655	-2.655	0	%100
49	M94B	X	0	0	0	%100
50	M94B	Z	-10.621	-10.621	0	%100
51	DC	X	0	0	0	%100
52	DC	Z	-7.347	-7.347	0	%100
53	M95B	X	0	0	0	%100
54	M95B	Z	-7.733	-7.733	0	%100
55	M96C	X	0	0	0	%100
56	M96C	Z	-14.03	-14.03	0	%100
57	M97	X	0	0	0	%100
58	M97	Z	-14.03	-14.03	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	M4	X	1.868	1.868	0	%100
2	M4	Z	-3.235	-3.235	0	%100
3	M14	X	1.868	1.868	0	%100
4	M14	Z	-3.235	-3.235	0	%100
5	M27	X	7.471	7.471	0	%100
6	M27	Z	-12.941	-12.941	0	%100
7	MP4A	X	4.031	4.031	0	%100
8	MP4A	Z	-6.982	-6.982	0	%100
9	MP3A	X	4.031	4.031	0	%100
10	MP3A	Z	-6.982	-6.982	0	%100
11	MP2A	X	4.031	4.031	0	%100
12	MP2A	Z	-6.982	-6.982	0	%100
13	MP1A	X	4.031	4.031	0	%100
14	MP1A	Z	-6.982	-6.982	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,%]
15	M71	X	3.023	3.023	0	%100
16	M71	Z	-5.236	-5.236	0	%100
17	M80	X	3.983	3.983	0	%100
18	M80	Z	-6.898	-6.898	0	%100
19	M93	X	3.673	3.673	0	%100
20	M93	Z	-6.363	-6.363	0	%100
21	FACE	X	5.304	5.304	0	%100
22	FACE	Z	-9.187	-9.187	0	%100
23	M95A	X	0	0	0	%100
24	M95A	Z	0	0	0	%100
25	M96A	X	5.304	5.304	0	%100
26	M96A	Z	-9.187	-9.187	0	%100
27	MP4C	X	4.031	4.031	0	%100
28	MP4C	Z	-6.982	-6.982	0	%100
29	MP3C	X	4.031	4.031	0	%100
30	MP3C	Z	-6.982	-6.982	0	%100
31	MP2C	X	4.031	4.031	0	%100
32	MP2C	Z	-6.982	-6.982	0	%100
33	MP1C	X	4.031	4.031	0	%100
34	MP1C	Z	-6.982	-6.982	0	%100
35	M72	X	3.023	3.023	0	%100
36	M72	Z	-5.236	-5.236	0	%100
37	MP4B	X	4.031	4.031	0	%100
38	MP4B	Z	-6.982	-6.982	0	%100
39	MP3B	X	4.031	4.031	0	%100
40	MP3B	Z	-6.982	-6.982	0	%100
41	MP2B	X	4.031	4.031	0	%100
42	MP2B	Z	-6.982	-6.982	0	%100
43	MP1B	X	4.031	4.031	0	%100
44	MP1B	Z	-6.982	-6.982	0	%100
45	M87A	X	0	0	0	%100
46	M87A	Z	0	0	0	%100
47	M93C	X	0	0	0	%100
48	M93C	Z	0	0	0	%100
49	M94B	X	3.983	3.983	0	%100
50	M94B	Z	-6.898	-6.898	0	%100
51	DC	X	3.673	3.673	0	%100
52	DC	Z	-6.363	-6.363	0	%100
53	M95B	X	4.916	4.916	0	%100
54	M95B	Z	-8.515	-8.515	0	%100
55	M96C	X	4.916	4.916	0	%100
56	M96C	Z	-8.515	-8.515	0	%100
57	M97	X	8.064	8.064	0	%100
58	M97	Z	-13.968	-13.968	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	M4	X	9.705	9.705	0	%100
2	M4	Z	-5.603	-5.603	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	9.705	9.705	0	%100
6	M27	Z	-5.603	-5.603	0	%100
7	MP4A	X	6.982	6.982	0	%100
8	MP4A	Z	-4.031	-4.031	0	%100
9	MP3A	X	6.982	6.982	0	%100
10	MP3A	Z	-4.031	-4.031	0	%100
11	MP2A	X	6.982	6.982	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,%]
12	MP2A	Z	-4.031	-4.031	0	%100
13	MP1A	X	6.982	6.982	0	%100
14	MP1A	Z	-4.031	-4.031	0	%100
15	M71	X	1.745	1.745	0	%100
16	M71	Z	-1.008	-1.008	0	%100
17	M80	X	9.198	9.198	0	%100
18	M80	Z	-5.31	-5.31	0	%100
19	M93	X	6.363	6.363	0	%100
20	M93	Z	-3.673	-3.673	0	%100
21	FACE	X	3.062	3.062	0	%100
22	FACE	Z	-1.768	-1.768	0	%100
23	M95A	X	3.062	3.062	0	%100
24	M95A	Z	-1.768	-1.768	0	%100
25	M96A	X	12.249	12.249	0	%100
26	M96A	Z	-7.072	-7.072	0	%100
27	MP4C	X	6.982	6.982	0	%100
28	MP4C	Z	-4.031	-4.031	0	%100
29	MP3C	X	6.982	6.982	0	%100
30	MP3C	Z	-4.031	-4.031	0	%100
31	MP2C	X	6.982	6.982	0	%100
32	MP2C	Z	-4.031	-4.031	0	%100
33	MP1C	X	6.982	6.982	0	%100
34	MP1C	Z	-4.031	-4.031	0	%100
35	M72	X	6.982	6.982	0	%100
36	M72	Z	-4.031	-4.031	0	%100
37	MP4B	X	6.982	6.982	0	%100
38	MP4B	Z	-4.031	-4.031	0	%100
39	MP3B	X	6.982	6.982	0	%100
40	MP3B	Z	-4.031	-4.031	0	%100
41	MP2B	X	6.982	6.982	0	%100
42	MP2B	Z	-4.031	-4.031	0	%100
43	MP1B	X	6.982	6.982	0	%100
44	MP1B	Z	-4.031	-4.031	0	%100
45	M87A	X	1.745	1.745	0	%100
46	M87A	Z	-1.008	-1.008	0	%100
47	M93C	X	2.299	2.299	0	%100
48	M93C	Z	-1.328	-1.328	0	%100
49	M94B	X	2.299	2.299	0	%100
50	M94B	Z	-1.328	-1.328	0	%100
51	DC	X	6.363	6.363	0	%100
52	DC	Z	-3.673	-3.673	0	%100
53	M95B	X	12.15	12.15	0	%100
54	M95B	Z	-7.015	-7.015	0	%100
55	M96C	X	6.697	6.697	0	%100
56	M96C	Z	-3.866	-3.866	0	%100
57	M97	X	12.15	12.15	0	%100
58	M97	Z	-7.015	-7.015	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	M4	X	14.942	14.942	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	3.736	3.736	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	3.736	3.736	0	%100
6	M27	Z	0	0	0	%100
7	MP4A	X	8.062	8.062	0	%100
8	MP4A	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,%]
9	MP3A	X	8.062	8.062	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	8.062	8.062	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	8.062	8.062	0	%100
14	MP1A	Z	0	0	0	%100
15	M71	X	0	0	0	%100
16	M71	Z	0	0	0	%100
17	M80	X	7.965	7.965	0	%100
18	M80	Z	0	0	0	%100
19	M93	X	7.347	7.347	0	%100
20	M93	Z	0	0	0	%100
21	FACE	X	0	0	0	%100
22	FACE	Z	0	0	0	%100
23	M95A	X	10.608	10.608	0	%100
24	M95A	Z	0	0	0	%100
25	M96A	X	10.608	10.608	0	%100
26	M96A	Z	0	0	0	%100
27	MP4C	X	8.062	8.062	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	8.062	8.062	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	8.062	8.062	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	8.062	8.062	0	%100
34	MP1C	Z	0	0	0	%100
35	M72	X	6.047	6.047	0	%100
36	M72	Z	0	0	0	%100
37	MP4B	X	8.062	8.062	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	8.062	8.062	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	8.062	8.062	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	8.062	8.062	0	%100
44	MP1B	Z	0	0	0	%100
45	M87A	X	6.047	6.047	0	%100
46	M87A	Z	0	0	0	%100
47	M93C	X	7.965	7.965	0	%100
48	M93C	Z	0	0	0	%100
49	M94B	X	0	0	0	%100
50	M94B	Z	0	0	0	%100
51	DC	X	7.347	7.347	0	%100
52	DC	Z	0	0	0	%100
53	M95B	X	16.129	16.129	0	%100
54	M95B	Z	0	0	0	%100
55	M96C	X	9.832	9.832	0	%100
56	M96C	Z	0	0	0	%100
57	M97	X	9.832	9.832	0	%100
58	M97	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	M4	X	9.705	9.705	0	%100
2	M4	Z	5.603	5.603	0	%100
3	M14	X	9.705	9.705	0	%100
4	M14	Z	5.603	5.603	0	%100
5	M27	X	0	0	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,%]
6	M27	Z	0	0	0	%100
7	MP4A	X	6.982	6.982	0	%100
8	MP4A	Z	4.031	4.031	0	%100
9	MP3A	X	6.982	6.982	0	%100
10	MP3A	Z	4.031	4.031	0	%100
11	MP2A	X	6.982	6.982	0	%100
12	MP2A	Z	4.031	4.031	0	%100
13	MP1A	X	6.982	6.982	0	%100
14	MP1A	Z	4.031	4.031	0	%100
15	M71	X	1.745	1.745	0	%100
16	M71	Z	1.008	1.008	0	%100
17	M80	X	2.299	2.299	0	%100
18	M80	Z	1.328	1.328	0	%100
19	M93	X	6.363	6.363	0	%100
20	M93	Z	3.673	3.673	0	%100
21	FACE	X	3.062	3.062	0	%100
22	FACE	Z	1.768	1.768	0	%100
23	M95A	X	12.249	12.249	0	%100
24	M95A	Z	7.072	7.072	0	%100
25	M96A	X	3.062	3.062	0	%100
26	M96A	Z	1.768	1.768	0	%100
27	MP4C	X	6.982	6.982	0	%100
28	MP4C	Z	4.031	4.031	0	%100
29	MP3C	X	6.982	6.982	0	%100
30	MP3C	Z	4.031	4.031	0	%100
31	MP2C	X	6.982	6.982	0	%100
32	MP2C	Z	4.031	4.031	0	%100
33	MP1C	X	6.982	6.982	0	%100
34	MP1C	Z	4.031	4.031	0	%100
35	M72	X	1.745	1.745	0	%100
36	M72	Z	1.008	1.008	0	%100
37	MP4B	X	6.982	6.982	0	%100
38	MP4B	Z	4.031	4.031	0	%100
39	MP3B	X	6.982	6.982	0	%100
40	MP3B	Z	4.031	4.031	0	%100
41	MP2B	X	6.982	6.982	0	%100
42	MP2B	Z	4.031	4.031	0	%100
43	MP1B	X	6.982	6.982	0	%100
44	MP1B	Z	4.031	4.031	0	%100
45	M87A	X	6.982	6.982	0	%100
46	M87A	Z	4.031	4.031	0	%100
47	M93C	X	9.198	9.198	0	%100
48	M93C	Z	5.31	5.31	0	%100
49	M94B	X	2.299	2.299	0	%100
50	M94B	Z	1.328	1.328	0	%100
51	DC	X	6.363	6.363	0	%100
52	DC	Z	3.673	3.673	0	%100
53	M95B	X	12.15	12.15	0	%100
54	M95B	Z	7.015	7.015	0	%100
55	M96C	X	12.15	12.15	0	%100
56	M96C	Z	7.015	7.015	0	%100
57	M97	X	6.697	6.697	0	%100
58	M97	Z	3.866	3.866	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	M4	X	1.868	1.868	0	%100
2	M4	Z	3.235	3.235	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,%]
3	M14	X	7.471	7.471	0	%100
4	M14	Z	12.941	12.941	0	%100
5	M27	X	1.868	1.868	0	%100
6	M27	Z	3.235	3.235	0	%100
7	MP4A	X	4.031	4.031	0	%100
8	MP4A	Z	6.982	6.982	0	%100
9	MP3A	X	4.031	4.031	0	%100
10	MP3A	Z	6.982	6.982	0	%100
11	MP2A	X	4.031	4.031	0	%100
12	MP2A	Z	6.982	6.982	0	%100
13	MP1A	X	4.031	4.031	0	%100
14	MP1A	Z	6.982	6.982	0	%100
15	M71	X	3.023	3.023	0	%100
16	M71	Z	5.236	5.236	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M93	X	3.673	3.673	0	%100
20	M93	Z	6.363	6.363	0	%100
21	FACE	X	5.304	5.304	0	%100
22	FACE	Z	9.187	9.187	0	%100
23	M95A	X	5.304	5.304	0	%100
24	M95A	Z	9.187	9.187	0	%100
25	M96A	X	0	0	0	%100
26	M96A	Z	0	0	0	%100
27	MP4C	X	4.031	4.031	0	%100
28	MP4C	Z	6.982	6.982	0	%100
29	MP3C	X	4.031	4.031	0	%100
30	MP3C	Z	6.982	6.982	0	%100
31	MP2C	X	4.031	4.031	0	%100
32	MP2C	Z	6.982	6.982	0	%100
33	MP1C	X	4.031	4.031	0	%100
34	MP1C	Z	6.982	6.982	0	%100
35	M72	X	0	0	0	%100
36	M72	Z	0	0	0	%100
37	MP4B	X	4.031	4.031	0	%100
38	MP4B	Z	6.982	6.982	0	%100
39	MP3B	X	4.031	4.031	0	%100
40	MP3B	Z	6.982	6.982	0	%100
41	MP2B	X	4.031	4.031	0	%100
42	MP2B	Z	6.982	6.982	0	%100
43	MP1B	X	4.031	4.031	0	%100
44	MP1B	Z	6.982	6.982	0	%100
45	M87A	X	3.023	3.023	0	%100
46	M87A	Z	5.236	5.236	0	%100
47	M93C	X	3.983	3.983	0	%100
48	M93C	Z	6.898	6.898	0	%100
49	M94B	X	3.983	3.983	0	%100
50	M94B	Z	6.898	6.898	0	%100
51	DC	X	3.673	3.673	0	%100
52	DC	Z	6.363	6.363	0	%100
53	M95B	X	4.916	4.916	0	%100
54	M95B	Z	8.515	8.515	0	%100
55	M96C	X	8.064	8.064	0	%100
56	M96C	Z	13.968	13.968	0	%100
57	M97	X	4.916	4.916	0	%100
58	M97	Z	8.515	8.515	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,%]

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,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	11.207	11.207	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	11.207	11.207	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	8.062	8.062	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	8.062	8.062	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	8.062	8.062	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	8.062	8.062	0	%100
15	M71	X	0	0	0	%100
16	M71	Z	8.062	8.062	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	2.655	2.655	0	%100
19	M93	X	0	0	0	%100
20	M93	Z	7.347	7.347	0	%100
21	FACE	X	0	0	0	%100
22	FACE	Z	14.144	14.144	0	%100
23	M95A	X	0	0	0	%100
24	M95A	Z	3.536	3.536	0	%100
25	M96A	X	0	0	0	%100
26	M96A	Z	3.536	3.536	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	8.062	8.062	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	8.062	8.062	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	8.062	8.062	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	8.062	8.062	0	%100
35	M72	X	0	0	0	%100
36	M72	Z	2.016	2.016	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	8.062	8.062	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	8.062	8.062	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	8.062	8.062	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	8.062	8.062	0	%100
45	M87A	X	0	0	0	%100
46	M87A	Z	2.016	2.016	0	%100
47	M93C	X	0	0	0	%100
48	M93C	Z	2.655	2.655	0	%100
49	M94B	X	0	0	0	%100
50	M94B	Z	10.621	10.621	0	%100
51	DC	X	0	0	0	%100
52	DC	Z	7.347	7.347	0	%100
53	M95B	X	0	0	0	%100
54	M95B	Z	7.733	7.733	0	%100
55	M96C	X	0	0	0	%100
56	M96C	Z	14.03	14.03	0	%100
57	M97	X	0	0	0	%100
58	M97	Z	14.03	14.03	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	M4	X	-1.868	-1.868	0	%100
2	M4	Z	3.235	3.235	0	%100
3	M14	X	-1.868	-1.868	0	%100
4	M14	Z	3.235	3.235	0	%100
5	M27	X	-7.471	-7.471	0	%100
6	M27	Z	12.941	12.941	0	%100
7	MP4A	X	-4.031	-4.031	0	%100
8	MP4A	Z	6.982	6.982	0	%100
9	MP3A	X	-4.031	-4.031	0	%100
10	MP3A	Z	6.982	6.982	0	%100
11	MP2A	X	-4.031	-4.031	0	%100
12	MP2A	Z	6.982	6.982	0	%100
13	MP1A	X	-4.031	-4.031	0	%100
14	MP1A	Z	6.982	6.982	0	%100
15	M71	X	-3.023	-3.023	0	%100
16	M71	Z	5.236	5.236	0	%100
17	M80	X	-3.983	-3.983	0	%100
18	M80	Z	6.898	6.898	0	%100
19	M93	X	-3.673	-3.673	0	%100
20	M93	Z	6.363	6.363	0	%100
21	FACE	X	-5.304	-5.304	0	%100
22	FACE	Z	9.187	9.187	0	%100
23	M95A	X	0	0	0	%100
24	M95A	Z	0	0	0	%100
25	M96A	X	-5.304	-5.304	0	%100
26	M96A	Z	9.187	9.187	0	%100
27	MP4C	X	-4.031	-4.031	0	%100
28	MP4C	Z	6.982	6.982	0	%100
29	MP3C	X	-4.031	-4.031	0	%100
30	MP3C	Z	6.982	6.982	0	%100
31	MP2C	X	-4.031	-4.031	0	%100
32	MP2C	Z	6.982	6.982	0	%100
33	MP1C	X	-4.031	-4.031	0	%100
34	MP1C	Z	6.982	6.982	0	%100
35	M72	X	-3.023	-3.023	0	%100
36	M72	Z	5.236	5.236	0	%100
37	MP4B	X	-4.031	-4.031	0	%100
38	MP4B	Z	6.982	6.982	0	%100
39	MP3B	X	-4.031	-4.031	0	%100
40	MP3B	Z	6.982	6.982	0	%100
41	MP2B	X	-4.031	-4.031	0	%100
42	MP2B	Z	6.982	6.982	0	%100
43	MP1B	X	-4.031	-4.031	0	%100
44	MP1B	Z	6.982	6.982	0	%100
45	M87A	X	0	0	0	%100
46	M87A	Z	0	0	0	%100
47	M93C	X	0	0	0	%100
48	M93C	Z	0	0	0	%100
49	M94B	X	-3.983	-3.983	0	%100
50	M94B	Z	6.898	6.898	0	%100
51	DC	X	-3.673	-3.673	0	%100
52	DC	Z	6.363	6.363	0	%100
53	M95B	X	-4.916	-4.916	0	%100
54	M95B	Z	8.515	8.515	0	%100
55	M96C	X	-4.916	-4.916	0	%100
56	M96C	Z	8.515	8.515	0	%100
57	M97	X	-8.064	-8.064	0	%100
58	M97	Z	13.968	13.968	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	M4	X	-9.705	-9.705	0	%100
2	M4	Z	5.603	5.603	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	-9.705	-9.705	0	%100
6	M27	Z	5.603	5.603	0	%100
7	MP4A	X	-6.982	-6.982	0	%100
8	MP4A	Z	4.031	4.031	0	%100
9	MP3A	X	-6.982	-6.982	0	%100
10	MP3A	Z	4.031	4.031	0	%100
11	MP2A	X	-6.982	-6.982	0	%100
12	MP2A	Z	4.031	4.031	0	%100
13	MP1A	X	-6.982	-6.982	0	%100
14	MP1A	Z	4.031	4.031	0	%100
15	M71	X	-1.745	-1.745	0	%100
16	M71	Z	1.008	1.008	0	%100
17	M80	X	-9.198	-9.198	0	%100
18	M80	Z	5.31	5.31	0	%100
19	M93	X	-6.363	-6.363	0	%100
20	M93	Z	3.673	3.673	0	%100
21	FACE	X	-3.062	-3.062	0	%100
22	FACE	Z	1.768	1.768	0	%100
23	M95A	X	-3.062	-3.062	0	%100
24	M95A	Z	1.768	1.768	0	%100
25	M96A	X	-12.249	-12.249	0	%100
26	M96A	Z	7.072	7.072	0	%100
27	MP4C	X	-6.982	-6.982	0	%100
28	MP4C	Z	4.031	4.031	0	%100
29	MP3C	X	-6.982	-6.982	0	%100
30	MP3C	Z	4.031	4.031	0	%100
31	MP2C	X	-6.982	-6.982	0	%100
32	MP2C	Z	4.031	4.031	0	%100
33	MP1C	X	-6.982	-6.982	0	%100
34	MP1C	Z	4.031	4.031	0	%100
35	M72	X	-6.982	-6.982	0	%100
36	M72	Z	4.031	4.031	0	%100
37	MP4B	X	-6.982	-6.982	0	%100
38	MP4B	Z	4.031	4.031	0	%100
39	MP3B	X	-6.982	-6.982	0	%100
40	MP3B	Z	4.031	4.031	0	%100
41	MP2B	X	-6.982	-6.982	0	%100
42	MP2B	Z	4.031	4.031	0	%100
43	MP1B	X	-6.982	-6.982	0	%100
44	MP1B	Z	4.031	4.031	0	%100
45	M87A	X	-1.745	-1.745	0	%100
46	M87A	Z	1.008	1.008	0	%100
47	M93C	X	-2.299	-2.299	0	%100
48	M93C	Z	1.328	1.328	0	%100
49	M94B	X	-2.299	-2.299	0	%100
50	M94B	Z	1.328	1.328	0	%100
51	DC	X	-6.363	-6.363	0	%100
52	DC	Z	3.673	3.673	0	%100
53	M95B	X	-12.15	-12.15	0	%100
54	M95B	Z	7.015	7.015	0	%100
55	M96C	X	-6.697	-6.697	0	%100
56	M96C	Z	3.866	3.866	0	%100
57	M97	X	-12.15	-12.15	0	%100
58	M97	Z	7.015	7.015	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	M4	X	-14.942	-14.942	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	-3.736	-3.736	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	-3.736	-3.736	0	%100
6	M27	Z	0	0	0	%100
7	MP4A	X	-8.062	-8.062	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	-8.062	-8.062	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	-8.062	-8.062	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-8.062	-8.062	0	%100
14	MP1A	Z	0	0	0	%100
15	M71	X	0	0	0	%100
16	M71	Z	0	0	0	%100
17	M80	X	-7.965	-7.965	0	%100
18	M80	Z	0	0	0	%100
19	M93	X	-7.347	-7.347	0	%100
20	M93	Z	0	0	0	%100
21	FACE	X	0	0	0	%100
22	FACE	Z	0	0	0	%100
23	M95A	X	-10.608	-10.608	0	%100
24	M95A	Z	0	0	0	%100
25	M96A	X	-10.608	-10.608	0	%100
26	M96A	Z	0	0	0	%100
27	MP4C	X	-8.062	-8.062	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	-8.062	-8.062	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	-8.062	-8.062	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-8.062	-8.062	0	%100
34	MP1C	Z	0	0	0	%100
35	M72	X	-6.047	-6.047	0	%100
36	M72	Z	0	0	0	%100
37	MP4B	X	-8.062	-8.062	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	-8.062	-8.062	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	-8.062	-8.062	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	-8.062	-8.062	0	%100
44	MP1B	Z	0	0	0	%100
45	M87A	X	-6.047	-6.047	0	%100
46	M87A	Z	0	0	0	%100
47	M93C	X	-7.965	-7.965	0	%100
48	M93C	Z	0	0	0	%100
49	M94B	X	0	0	0	%100
50	M94B	Z	0	0	0	%100
51	DC	X	-7.347	-7.347	0	%100
52	DC	Z	0	0	0	%100
53	M95B	X	-16.129	-16.129	0	%100
54	M95B	Z	0	0	0	%100
55	M96C	X	-9.832	-9.832	0	%100
56	M96C	Z	0	0	0	%100
57	M97	X	-9.832	-9.832	0	%100
58	M97	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	M4	X	-9.705	-9.705	0	%100
2	M4	Z	-5.603	-5.603	0	%100
3	M14	X	-9.705	-9.705	0	%100
4	M14	Z	-5.603	-5.603	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	MP4A	X	-6.982	-6.982	0	%100
8	MP4A	Z	-4.031	-4.031	0	%100
9	MP3A	X	-6.982	-6.982	0	%100
10	MP3A	Z	-4.031	-4.031	0	%100
11	MP2A	X	-6.982	-6.982	0	%100
12	MP2A	Z	-4.031	-4.031	0	%100
13	MP1A	X	-6.982	-6.982	0	%100
14	MP1A	Z	-4.031	-4.031	0	%100
15	M71	X	-1.745	-1.745	0	%100
16	M71	Z	-1.008	-1.008	0	%100
17	M80	X	-2.299	-2.299	0	%100
18	M80	Z	-1.328	-1.328	0	%100
19	M93	X	-6.363	-6.363	0	%100
20	M93	Z	-3.673	-3.673	0	%100
21	FACE	X	-3.062	-3.062	0	%100
22	FACE	Z	-1.768	-1.768	0	%100
23	M95A	X	-12.249	-12.249	0	%100
24	M95A	Z	-7.072	-7.072	0	%100
25	M96A	X	-3.062	-3.062	0	%100
26	M96A	Z	-1.768	-1.768	0	%100
27	MP4C	X	-6.982	-6.982	0	%100
28	MP4C	Z	-4.031	-4.031	0	%100
29	MP3C	X	-6.982	-6.982	0	%100
30	MP3C	Z	-4.031	-4.031	0	%100
31	MP2C	X	-6.982	-6.982	0	%100
32	MP2C	Z	-4.031	-4.031	0	%100
33	MP1C	X	-6.982	-6.982	0	%100
34	MP1C	Z	-4.031	-4.031	0	%100
35	M72	X	-1.745	-1.745	0	%100
36	M72	Z	-1.008	-1.008	0	%100
37	MP4B	X	-6.982	-6.982	0	%100
38	MP4B	Z	-4.031	-4.031	0	%100
39	MP3B	X	-6.982	-6.982	0	%100
40	MP3B	Z	-4.031	-4.031	0	%100
41	MP2B	X	-6.982	-6.982	0	%100
42	MP2B	Z	-4.031	-4.031	0	%100
43	MP1B	X	-6.982	-6.982	0	%100
44	MP1B	Z	-4.031	-4.031	0	%100
45	M87A	X	-6.982	-6.982	0	%100
46	M87A	Z	-4.031	-4.031	0	%100
47	M93C	X	-9.198	-9.198	0	%100
48	M93C	Z	-5.31	-5.31	0	%100
49	M94B	X	-2.299	-2.299	0	%100
50	M94B	Z	-1.328	-1.328	0	%100
51	DC	X	-6.363	-6.363	0	%100
52	DC	Z	-3.673	-3.673	0	%100
53	M95B	X	-12.15	-12.15	0	%100
54	M95B	Z	-7.015	-7.015	0	%100
55	M96C	X	-12.15	-12.15	0	%100
56	M96C	Z	-7.015	-7.015	0	%100
57	M97	X	-6.697	-6.697	0	%100
58	M97	Z	-3.866	-3.866	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	M4	X	-1.868	-1.868	0	%100
2	M4	Z	-3.235	-3.235	0	%100
3	M14	X	-7.471	-7.471	0	%100
4	M14	Z	-12.941	-12.941	0	%100
5	M27	X	-1.868	-1.868	0	%100
6	M27	Z	-3.235	-3.235	0	%100
7	MP4A	X	-4.031	-4.031	0	%100
8	MP4A	Z	-6.982	-6.982	0	%100
9	MP3A	X	-4.031	-4.031	0	%100
10	MP3A	Z	-6.982	-6.982	0	%100
11	MP2A	X	-4.031	-4.031	0	%100
12	MP2A	Z	-6.982	-6.982	0	%100
13	MP1A	X	-4.031	-4.031	0	%100
14	MP1A	Z	-6.982	-6.982	0	%100
15	M71	X	-3.023	-3.023	0	%100
16	M71	Z	-5.236	-5.236	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M93	X	-3.673	-3.673	0	%100
20	M93	Z	-6.363	-6.363	0	%100
21	FACE	X	-5.304	-5.304	0	%100
22	FACE	Z	-9.187	-9.187	0	%100
23	M95A	X	-5.304	-5.304	0	%100
24	M95A	Z	-9.187	-9.187	0	%100
25	M96A	X	0	0	0	%100
26	M96A	Z	0	0	0	%100
27	MP4C	X	-4.031	-4.031	0	%100
28	MP4C	Z	-6.982	-6.982	0	%100
29	MP3C	X	-4.031	-4.031	0	%100
30	MP3C	Z	-6.982	-6.982	0	%100
31	MP2C	X	-4.031	-4.031	0	%100
32	MP2C	Z	-6.982	-6.982	0	%100
33	MP1C	X	-4.031	-4.031	0	%100
34	MP1C	Z	-6.982	-6.982	0	%100
35	M72	X	0	0	0	%100
36	M72	Z	0	0	0	%100
37	MP4B	X	-4.031	-4.031	0	%100
38	MP4B	Z	-6.982	-6.982	0	%100
39	MP3B	X	-4.031	-4.031	0	%100
40	MP3B	Z	-6.982	-6.982	0	%100
41	MP2B	X	-4.031	-4.031	0	%100
42	MP2B	Z	-6.982	-6.982	0	%100
43	MP1B	X	-4.031	-4.031	0	%100
44	MP1B	Z	-6.982	-6.982	0	%100
45	M87A	X	-3.023	-3.023	0	%100
46	M87A	Z	-5.236	-5.236	0	%100
47	M93C	X	-3.983	-3.983	0	%100
48	M93C	Z	-6.898	-6.898	0	%100
49	M94B	X	-3.983	-3.983	0	%100
50	M94B	Z	-6.898	-6.898	0	%100
51	DC	X	-3.673	-3.673	0	%100
52	DC	Z	-6.363	-6.363	0	%100
53	M95B	X	-4.916	-4.916	0	%100
54	M95B	Z	-8.515	-8.515	0	%100
55	M96C	X	-8.064	-8.064	0	%100
56	M96C	Z	-13.968	-13.968	0	%100
57	M97	X	-4.916	-4.916	0	%100
58	M97	Z	-8.515	-8.515	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	-2.966	-2.966	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	-2.966	-2.966	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	-2.761	-2.761	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-2.761	-2.761	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-2.761	-2.761	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-2.761	-2.761	0	%100
15	M71	X	0	0	0	%100
16	M71	Z	-2.761	-2.761	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-.712	-.712	0	%100
19	M93	X	0	0	0	%100
20	M93	Z	-2.53	-2.53	0	%100
21	FACE	X	0	0	0	%100
22	FACE	Z	-3.816	-3.816	0	%100
23	M95A	X	0	0	0	%100
24	M95A	Z	-.954	-.954	0	%100
25	M96A	X	0	0	0	%100
26	M96A	Z	-.954	-.954	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	-2.761	-2.761	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	-2.761	-2.761	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-2.761	-2.761	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-2.761	-2.761	0	%100
35	M72	X	0	0	0	%100
36	M72	Z	-.69	-.69	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-2.761	-2.761	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	-2.761	-2.761	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	-2.761	-2.761	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-2.761	-2.761	0	%100
45	M87A	X	0	0	0	%100
46	M87A	Z	-.69	-.69	0	%100
47	M93C	X	0	0	0	%100
48	M93C	Z	-.712	-.712	0	%100
49	M94B	X	0	0	0	%100
50	M94B	Z	-2.849	-2.849	0	%100
51	DC	X	0	0	0	%100
52	DC	Z	-2.53	-2.53	0	%100
53	M95B	X	0	0	0	%100
54	M95B	Z	-1.747	-1.747	0	%100
55	M96C	X	0	0	0	%100
56	M96C	Z	-3.557	-3.557	0	%100
57	M97	X	0	0	0	%100
58	M97	Z	-3.557	-3.557	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	M4	X	.494	.494	0	%100
2	M4	Z	-.856	-.856	0	%100
3	M14	X	.494	.494	0	%100
4	M14	Z	-.856	-.856	0	%100
5	M27	X	1.978	1.978	0	%100
6	M27	Z	-3.425	-3.425	0	%100
7	MP4A	X	1.38	1.38	0	%100
8	MP4A	Z	-2.391	-2.391	0	%100
9	MP3A	X	1.38	1.38	0	%100
10	MP3A	Z	-2.391	-2.391	0	%100
11	MP2A	X	1.38	1.38	0	%100
12	MP2A	Z	-2.391	-2.391	0	%100
13	MP1A	X	1.38	1.38	0	%100
14	MP1A	Z	-2.391	-2.391	0	%100
15	M71	X	1.035	1.035	0	%100
16	M71	Z	-1.793	-1.793	0	%100
17	M80	X	1.068	1.068	0	%100
18	M80	Z	-1.85	-1.85	0	%100
19	M93	X	1.265	1.265	0	%100
20	M93	Z	-2.191	-2.191	0	%100
21	FACE	X	1.431	1.431	0	%100
22	FACE	Z	-2.479	-2.479	0	%100
23	M95A	X	0	0	0	%100
24	M95A	Z	0	0	0	%100
25	M96A	X	1.431	1.431	0	%100
26	M96A	Z	-2.479	-2.479	0	%100
27	MP4C	X	1.38	1.38	0	%100
28	MP4C	Z	-2.391	-2.391	0	%100
29	MP3C	X	1.38	1.38	0	%100
30	MP3C	Z	-2.391	-2.391	0	%100
31	MP2C	X	1.38	1.38	0	%100
32	MP2C	Z	-2.391	-2.391	0	%100
33	MP1C	X	1.38	1.38	0	%100
34	MP1C	Z	-2.391	-2.391	0	%100
35	M72	X	1.035	1.035	0	%100
36	M72	Z	-1.793	-1.793	0	%100
37	MP4B	X	1.38	1.38	0	%100
38	MP4B	Z	-2.391	-2.391	0	%100
39	MP3B	X	1.38	1.38	0	%100
40	MP3B	Z	-2.391	-2.391	0	%100
41	MP2B	X	1.38	1.38	0	%100
42	MP2B	Z	-2.391	-2.391	0	%100
43	MP1B	X	1.38	1.38	0	%100
44	MP1B	Z	-2.391	-2.391	0	%100
45	M87A	X	0	0	0	%100
46	M87A	Z	0	0	0	%100
47	M93C	X	0	0	0	%100
48	M93C	Z	0	0	0	%100
49	M94B	X	1.068	1.068	0	%100
50	M94B	Z	-1.85	-1.85	0	%100
51	DC	X	1.265	1.265	0	%100
52	DC	Z	-2.191	-2.191	0	%100
53	M95B	X	1.175	1.175	0	%100
54	M95B	Z	-2.035	-2.035	0	%100
55	M96C	X	1.175	1.175	0	%100
56	M96C	Z	-2.035	-2.035	0	%100
57	M97	X	2.081	2.081	0	%100
58	M97	Z	-3.604	-3.604	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	M4	X	2.569	2.569	0	%100
2	M4	Z	-1.483	-1.483	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	2.569	2.569	0	%100
6	M27	Z	-1.483	-1.483	0	%100
7	MP4A	X	2.391	2.391	0	%100
8	MP4A	Z	-1.38	-1.38	0	%100
9	MP3A	X	2.391	2.391	0	%100
10	MP3A	Z	-1.38	-1.38	0	%100
11	MP2A	X	2.391	2.391	0	%100
12	MP2A	Z	-1.38	-1.38	0	%100
13	MP1A	X	2.391	2.391	0	%100
14	MP1A	Z	-1.38	-1.38	0	%100
15	M71	X	.598	.598	0	%100
16	M71	Z	-.345	-.345	0	%100
17	M80	X	2.467	2.467	0	%100
18	M80	Z	-1.425	-1.425	0	%100
19	M93	X	2.191	2.191	0	%100
20	M93	Z	-1.265	-1.265	0	%100
21	FACE	X	.826	.826	0	%100
22	FACE	Z	-.477	-.477	0	%100
23	M95A	X	.826	.826	0	%100
24	M95A	Z	-.477	-.477	0	%100
25	M96A	X	3.305	3.305	0	%100
26	M96A	Z	-1.908	-1.908	0	%100
27	MP4C	X	2.391	2.391	0	%100
28	MP4C	Z	-1.38	-1.38	0	%100
29	MP3C	X	2.391	2.391	0	%100
30	MP3C	Z	-1.38	-1.38	0	%100
31	MP2C	X	2.391	2.391	0	%100
32	MP2C	Z	-1.38	-1.38	0	%100
33	MP1C	X	2.391	2.391	0	%100
34	MP1C	Z	-1.38	-1.38	0	%100
35	M72	X	2.391	2.391	0	%100
36	M72	Z	-1.38	-1.38	0	%100
37	MP4B	X	2.391	2.391	0	%100
38	MP4B	Z	-1.38	-1.38	0	%100
39	MP3B	X	2.391	2.391	0	%100
40	MP3B	Z	-1.38	-1.38	0	%100
41	MP2B	X	2.391	2.391	0	%100
42	MP2B	Z	-1.38	-1.38	0	%100
43	MP1B	X	2.391	2.391	0	%100
44	MP1B	Z	-1.38	-1.38	0	%100
45	M87A	X	.598	.598	0	%100
46	M87A	Z	-.345	-.345	0	%100
47	M93C	X	.617	.617	0	%100
48	M93C	Z	-.356	-.356	0	%100
49	M94B	X	.617	.617	0	%100
50	M94B	Z	-.356	-.356	0	%100
51	DC	X	2.191	2.191	0	%100
52	DC	Z	-1.265	-1.265	0	%100
53	M95B	X	3.081	3.081	0	%100
54	M95B	Z	-1.779	-1.779	0	%100
55	M96C	X	1.513	1.513	0	%100
56	M96C	Z	-.873	-.873	0	%100
57	M97	X	3.081	3.081	0	%100
58	M97	Z	-1.779	-1.779	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	M4	X	3.955	3.955	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	.989	.989	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	.989	.989	0	%100
6	M27	Z	0	0	0	%100
7	MP4A	X	2.761	2.761	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	2.761	2.761	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	2.761	2.761	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	2.761	2.761	0	%100
14	MP1A	Z	0	0	0	%100
15	M71	X	0	0	0	%100
16	M71	Z	0	0	0	%100
17	M80	X	2.137	2.137	0	%100
18	M80	Z	0	0	0	%100
19	M93	X	2.53	2.53	0	%100
20	M93	Z	0	0	0	%100
21	FACE	X	0	0	0	%100
22	FACE	Z	0	0	0	%100
23	M95A	X	2.862	2.862	0	%100
24	M95A	Z	0	0	0	%100
25	M96A	X	2.862	2.862	0	%100
26	M96A	Z	0	0	0	%100
27	MP4C	X	2.761	2.761	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	2.761	2.761	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	2.761	2.761	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	2.761	2.761	0	%100
34	MP1C	Z	0	0	0	%100
35	M72	X	2.07	2.07	0	%100
36	M72	Z	0	0	0	%100
37	MP4B	X	2.761	2.761	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	2.761	2.761	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	2.761	2.761	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	2.761	2.761	0	%100
44	MP1B	Z	0	0	0	%100
45	M87A	X	2.07	2.07	0	%100
46	M87A	Z	0	0	0	%100
47	M93C	X	2.137	2.137	0	%100
48	M93C	Z	0	0	0	%100
49	M94B	X	0	0	0	%100
50	M94B	Z	0	0	0	%100
51	DC	X	2.53	2.53	0	%100
52	DC	Z	0	0	0	%100
53	M95B	X	4.161	4.161	0	%100
54	M95B	Z	0	0	0	%100
55	M96C	X	2.35	2.35	0	%100
56	M96C	Z	0	0	0	%100
57	M97	X	2.35	2.35	0	%100
58	M97	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	M4	X	2.569	2.569	0	%100
2	M4	Z	1.483	1.483	0	%100
3	M14	X	2.569	2.569	0	%100
4	M14	Z	1.483	1.483	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	MP4A	X	2.391	2.391	0	%100
8	MP4A	Z	1.38	1.38	0	%100
9	MP3A	X	2.391	2.391	0	%100
10	MP3A	Z	1.38	1.38	0	%100
11	MP2A	X	2.391	2.391	0	%100
12	MP2A	Z	1.38	1.38	0	%100
13	MP1A	X	2.391	2.391	0	%100
14	MP1A	Z	1.38	1.38	0	%100
15	M71	X	.598	.598	0	%100
16	M71	Z	.345	.345	0	%100
17	M80	X	.617	.617	0	%100
18	M80	Z	.356	.356	0	%100
19	M93	X	2.191	2.191	0	%100
20	M93	Z	1.265	1.265	0	%100
21	FACE	X	.826	.826	0	%100
22	FACE	Z	.477	.477	0	%100
23	M95A	X	3.305	3.305	0	%100
24	M95A	Z	1.908	1.908	0	%100
25	M96A	X	.826	.826	0	%100
26	M96A	Z	.477	.477	0	%100
27	MP4C	X	2.391	2.391	0	%100
28	MP4C	Z	1.38	1.38	0	%100
29	MP3C	X	2.391	2.391	0	%100
30	MP3C	Z	1.38	1.38	0	%100
31	MP2C	X	2.391	2.391	0	%100
32	MP2C	Z	1.38	1.38	0	%100
33	MP1C	X	2.391	2.391	0	%100
34	MP1C	Z	1.38	1.38	0	%100
35	M72	X	.598	.598	0	%100
36	M72	Z	.345	.345	0	%100
37	MP4B	X	2.391	2.391	0	%100
38	MP4B	Z	1.38	1.38	0	%100
39	MP3B	X	2.391	2.391	0	%100
40	MP3B	Z	1.38	1.38	0	%100
41	MP2B	X	2.391	2.391	0	%100
42	MP2B	Z	1.38	1.38	0	%100
43	MP1B	X	2.391	2.391	0	%100
44	MP1B	Z	1.38	1.38	0	%100
45	M87A	X	2.391	2.391	0	%100
46	M87A	Z	1.38	1.38	0	%100
47	M93C	X	2.467	2.467	0	%100
48	M93C	Z	1.425	1.425	0	%100
49	M94B	X	.617	.617	0	%100
50	M94B	Z	.356	.356	0	%100
51	DC	X	2.191	2.191	0	%100
52	DC	Z	1.265	1.265	0	%100
53	M95B	X	3.081	3.081	0	%100
54	M95B	Z	1.779	1.779	0	%100
55	M96C	X	3.081	3.081	0	%100
56	M96C	Z	1.779	1.779	0	%100
57	M97	X	1.513	1.513	0	%100
58	M97	Z	.873	.873	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	M4	X	.494	.494	0	%100
2	M4	Z	.856	.856	0	%100
3	M14	X	1.978	1.978	0	%100
4	M14	Z	3.425	3.425	0	%100
5	M27	X	.494	.494	0	%100
6	M27	Z	.856	.856	0	%100
7	MP4A	X	1.38	1.38	0	%100
8	MP4A	Z	2.391	2.391	0	%100
9	MP3A	X	1.38	1.38	0	%100
10	MP3A	Z	2.391	2.391	0	%100
11	MP2A	X	1.38	1.38	0	%100
12	MP2A	Z	2.391	2.391	0	%100
13	MP1A	X	1.38	1.38	0	%100
14	MP1A	Z	2.391	2.391	0	%100
15	M71	X	1.035	1.035	0	%100
16	M71	Z	1.793	1.793	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M93	X	1.265	1.265	0	%100
20	M93	Z	2.191	2.191	0	%100
21	FACE	X	1.431	1.431	0	%100
22	FACE	Z	2.479	2.479	0	%100
23	M95A	X	1.431	1.431	0	%100
24	M95A	Z	2.479	2.479	0	%100
25	M96A	X	0	0	0	%100
26	M96A	Z	0	0	0	%100
27	MP4C	X	1.38	1.38	0	%100
28	MP4C	Z	2.391	2.391	0	%100
29	MP3C	X	1.38	1.38	0	%100
30	MP3C	Z	2.391	2.391	0	%100
31	MP2C	X	1.38	1.38	0	%100
32	MP2C	Z	2.391	2.391	0	%100
33	MP1C	X	1.38	1.38	0	%100
34	MP1C	Z	2.391	2.391	0	%100
35	M72	X	0	0	0	%100
36	M72	Z	0	0	0	%100
37	MP4B	X	1.38	1.38	0	%100
38	MP4B	Z	2.391	2.391	0	%100
39	MP3B	X	1.38	1.38	0	%100
40	MP3B	Z	2.391	2.391	0	%100
41	MP2B	X	1.38	1.38	0	%100
42	MP2B	Z	2.391	2.391	0	%100
43	MP1B	X	1.38	1.38	0	%100
44	MP1B	Z	2.391	2.391	0	%100
45	M87A	X	1.035	1.035	0	%100
46	M87A	Z	1.793	1.793	0	%100
47	M93C	X	1.068	1.068	0	%100
48	M93C	Z	1.85	1.85	0	%100
49	M94B	X	1.068	1.068	0	%100
50	M94B	Z	1.85	1.85	0	%100
51	DC	X	1.265	1.265	0	%100
52	DC	Z	2.191	2.191	0	%100
53	M95B	X	1.175	1.175	0	%100
54	M95B	Z	2.035	2.035	0	%100
55	M96C	X	2.081	2.081	0	%100
56	M96C	Z	3.604	3.604	0	%100
57	M97	X	1.175	1.175	0	%100
58	M97	Z	2.035	2.035	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	2.966	2.966	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	2.966	2.966	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	2.761	2.761	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	2.761	2.761	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	2.761	2.761	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	2.761	2.761	0	%100
15	M71	X	0	0	0	%100
16	M71	Z	2.761	2.761	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	.712	.712	0	%100
19	M93	X	0	0	0	%100
20	M93	Z	2.53	2.53	0	%100
21	FACE	X	0	0	0	%100
22	FACE	Z	3.816	3.816	0	%100
23	M95A	X	0	0	0	%100
24	M95A	Z	.954	.954	0	%100
25	M96A	X	0	0	0	%100
26	M96A	Z	.954	.954	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	2.761	2.761	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	2.761	2.761	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	2.761	2.761	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	2.761	2.761	0	%100
35	M72	X	0	0	0	%100
36	M72	Z	.69	.69	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	2.761	2.761	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	2.761	2.761	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	2.761	2.761	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	2.761	2.761	0	%100
45	M87A	X	0	0	0	%100
46	M87A	Z	.69	.69	0	%100
47	M93C	X	0	0	0	%100
48	M93C	Z	.712	.712	0	%100
49	M94B	X	0	0	0	%100
50	M94B	Z	2.849	2.849	0	%100
51	DC	X	0	0	0	%100
52	DC	Z	2.53	2.53	0	%100
53	M95B	X	0	0	0	%100
54	M95B	Z	1.747	1.747	0	%100
55	M96C	X	0	0	0	%100
56	M96C	Z	3.557	3.557	0	%100
57	M97	X	0	0	0	%100
58	M97	Z	3.557	3.557	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	M4	X	-.494	-.494	0	%100
2	M4	Z	.856	.856	0	%100
3	M14	X	-.494	-.494	0	%100
4	M14	Z	.856	.856	0	%100
5	M27	X	-1.978	-1.978	0	%100
6	M27	Z	3.425	3.425	0	%100
7	MP4A	X	-1.38	-1.38	0	%100
8	MP4A	Z	2.391	2.391	0	%100
9	MP3A	X	-1.38	-1.38	0	%100
10	MP3A	Z	2.391	2.391	0	%100
11	MP2A	X	-1.38	-1.38	0	%100
12	MP2A	Z	2.391	2.391	0	%100
13	MP1A	X	-1.38	-1.38	0	%100
14	MP1A	Z	2.391	2.391	0	%100
15	M71	X	-1.035	-1.035	0	%100
16	M71	Z	1.793	1.793	0	%100
17	M80	X	-1.068	-1.068	0	%100
18	M80	Z	1.85	1.85	0	%100
19	M93	X	-1.265	-1.265	0	%100
20	M93	Z	2.191	2.191	0	%100
21	FACE	X	-1.431	-1.431	0	%100
22	FACE	Z	2.479	2.479	0	%100
23	M95A	X	0	0	0	%100
24	M95A	Z	0	0	0	%100
25	M96A	X	-1.431	-1.431	0	%100
26	M96A	Z	2.479	2.479	0	%100
27	MP4C	X	-1.38	-1.38	0	%100
28	MP4C	Z	2.391	2.391	0	%100
29	MP3C	X	-1.38	-1.38	0	%100
30	MP3C	Z	2.391	2.391	0	%100
31	MP2C	X	-1.38	-1.38	0	%100
32	MP2C	Z	2.391	2.391	0	%100
33	MP1C	X	-1.38	-1.38	0	%100
34	MP1C	Z	2.391	2.391	0	%100
35	M72	X	-1.035	-1.035	0	%100
36	M72	Z	1.793	1.793	0	%100
37	MP4B	X	-1.38	-1.38	0	%100
38	MP4B	Z	2.391	2.391	0	%100
39	MP3B	X	-1.38	-1.38	0	%100
40	MP3B	Z	2.391	2.391	0	%100
41	MP2B	X	-1.38	-1.38	0	%100
42	MP2B	Z	2.391	2.391	0	%100
43	MP1B	X	-1.38	-1.38	0	%100
44	MP1B	Z	2.391	2.391	0	%100
45	M87A	X	0	0	0	%100
46	M87A	Z	0	0	0	%100
47	M93C	X	0	0	0	%100
48	M93C	Z	0	0	0	%100
49	M94B	X	-1.068	-1.068	0	%100
50	M94B	Z	1.85	1.85	0	%100
51	DC	X	-1.265	-1.265	0	%100
52	DC	Z	2.191	2.191	0	%100
53	M95B	X	-1.175	-1.175	0	%100
54	M95B	Z	2.035	2.035	0	%100
55	M96C	X	-1.175	-1.175	0	%100
56	M96C	Z	2.035	2.035	0	%100
57	M97	X	-2.081	-2.081	0	%100
58	M97	Z	3.604	3.604	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	M4	X	-2.569	-2.569	0	%100
2	M4	Z	1.483	1.483	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	-2.569	-2.569	0	%100
6	M27	Z	1.483	1.483	0	%100
7	MP4A	X	-2.391	-2.391	0	%100
8	MP4A	Z	1.38	1.38	0	%100
9	MP3A	X	-2.391	-2.391	0	%100
10	MP3A	Z	1.38	1.38	0	%100
11	MP2A	X	-2.391	-2.391	0	%100
12	MP2A	Z	1.38	1.38	0	%100
13	MP1A	X	-2.391	-2.391	0	%100
14	MP1A	Z	1.38	1.38	0	%100
15	M71	X	-.598	-.598	0	%100
16	M71	Z	.345	.345	0	%100
17	M80	X	-2.467	-2.467	0	%100
18	M80	Z	1.425	1.425	0	%100
19	M93	X	-2.191	-2.191	0	%100
20	M93	Z	1.265	1.265	0	%100
21	FACE	X	-.826	-.826	0	%100
22	FACE	Z	.477	.477	0	%100
23	M95A	X	-.826	-.826	0	%100
24	M95A	Z	.477	.477	0	%100
25	M96A	X	-3.305	-3.305	0	%100
26	M96A	Z	1.908	1.908	0	%100
27	MP4C	X	-2.391	-2.391	0	%100
28	MP4C	Z	1.38	1.38	0	%100
29	MP3C	X	-2.391	-2.391	0	%100
30	MP3C	Z	1.38	1.38	0	%100
31	MP2C	X	-2.391	-2.391	0	%100
32	MP2C	Z	1.38	1.38	0	%100
33	MP1C	X	-2.391	-2.391	0	%100
34	MP1C	Z	1.38	1.38	0	%100
35	M72	X	-2.391	-2.391	0	%100
36	M72	Z	1.38	1.38	0	%100
37	MP4B	X	-2.391	-2.391	0	%100
38	MP4B	Z	1.38	1.38	0	%100
39	MP3B	X	-2.391	-2.391	0	%100
40	MP3B	Z	1.38	1.38	0	%100
41	MP2B	X	-2.391	-2.391	0	%100
42	MP2B	Z	1.38	1.38	0	%100
43	MP1B	X	-2.391	-2.391	0	%100
44	MP1B	Z	1.38	1.38	0	%100
45	M87A	X	-.598	-.598	0	%100
46	M87A	Z	.345	.345	0	%100
47	M93C	X	-.617	-.617	0	%100
48	M93C	Z	.356	.356	0	%100
49	M94B	X	-.617	-.617	0	%100
50	M94B	Z	.356	.356	0	%100
51	DC	X	-2.191	-2.191	0	%100
52	DC	Z	1.265	1.265	0	%100
53	M95B	X	-3.081	-3.081	0	%100
54	M95B	Z	1.779	1.779	0	%100
55	M96C	X	-1.513	-1.513	0	%100
56	M96C	Z	.873	.873	0	%100
57	M97	X	-3.081	-3.081	0	%100
58	M97	Z	1.779	1.779	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	M4	X	-3.955	-3.955	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	-.989	-.989	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	-.989	-.989	0	%100
6	M27	Z	0	0	0	%100
7	MP4A	X	-2.761	-2.761	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	-2.761	-2.761	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	-2.761	-2.761	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-2.761	-2.761	0	%100
14	MP1A	Z	0	0	0	%100
15	M71	X	0	0	0	%100
16	M71	Z	0	0	0	%100
17	M80	X	-2.137	-2.137	0	%100
18	M80	Z	0	0	0	%100
19	M93	X	-2.53	-2.53	0	%100
20	M93	Z	0	0	0	%100
21	FACE	X	0	0	0	%100
22	FACE	Z	0	0	0	%100
23	M95A	X	-2.862	-2.862	0	%100
24	M95A	Z	0	0	0	%100
25	M96A	X	-2.862	-2.862	0	%100
26	M96A	Z	0	0	0	%100
27	MP4C	X	-2.761	-2.761	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	-2.761	-2.761	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	-2.761	-2.761	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-2.761	-2.761	0	%100
34	MP1C	Z	0	0	0	%100
35	M72	X	-2.07	-2.07	0	%100
36	M72	Z	0	0	0	%100
37	MP4B	X	-2.761	-2.761	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	-2.761	-2.761	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	-2.761	-2.761	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	-2.761	-2.761	0	%100
44	MP1B	Z	0	0	0	%100
45	M87A	X	-2.07	-2.07	0	%100
46	M87A	Z	0	0	0	%100
47	M93C	X	-2.137	-2.137	0	%100
48	M93C	Z	0	0	0	%100
49	M94B	X	0	0	0	%100
50	M94B	Z	0	0	0	%100
51	DC	X	-2.53	-2.53	0	%100
52	DC	Z	0	0	0	%100
53	M95B	X	-4.161	-4.161	0	%100
54	M95B	Z	0	0	0	%100
55	M96C	X	-2.35	-2.35	0	%100
56	M96C	Z	0	0	0	%100
57	M97	X	-2.35	-2.35	0	%100
58	M97	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	M4	X	-2.569	-2.569	0	%100
2	M4	Z	-1.483	-1.483	0	%100
3	M14	X	-2.569	-2.569	0	%100
4	M14	Z	-1.483	-1.483	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	MP4A	X	-2.391	-2.391	0	%100
8	MP4A	Z	-1.38	-1.38	0	%100
9	MP3A	X	-2.391	-2.391	0	%100
10	MP3A	Z	-1.38	-1.38	0	%100
11	MP2A	X	-2.391	-2.391	0	%100
12	MP2A	Z	-1.38	-1.38	0	%100
13	MP1A	X	-2.391	-2.391	0	%100
14	MP1A	Z	-1.38	-1.38	0	%100
15	M71	X	-.598	-.598	0	%100
16	M71	Z	-.345	-.345	0	%100
17	M80	X	-.617	-.617	0	%100
18	M80	Z	-.356	-.356	0	%100
19	M93	X	-2.191	-2.191	0	%100
20	M93	Z	-1.265	-1.265	0	%100
21	FACE	X	-.826	-.826	0	%100
22	FACE	Z	-.477	-.477	0	%100
23	M95A	X	-3.305	-3.305	0	%100
24	M95A	Z	-1.908	-1.908	0	%100
25	M96A	X	-.826	-.826	0	%100
26	M96A	Z	-.477	-.477	0	%100
27	MP4C	X	-2.391	-2.391	0	%100
28	MP4C	Z	-1.38	-1.38	0	%100
29	MP3C	X	-2.391	-2.391	0	%100
30	MP3C	Z	-1.38	-1.38	0	%100
31	MP2C	X	-2.391	-2.391	0	%100
32	MP2C	Z	-1.38	-1.38	0	%100
33	MP1C	X	-2.391	-2.391	0	%100
34	MP1C	Z	-1.38	-1.38	0	%100
35	M72	X	-.598	-.598	0	%100
36	M72	Z	-.345	-.345	0	%100
37	MP4B	X	-2.391	-2.391	0	%100
38	MP4B	Z	-1.38	-1.38	0	%100
39	MP3B	X	-2.391	-2.391	0	%100
40	MP3B	Z	-1.38	-1.38	0	%100
41	MP2B	X	-2.391	-2.391	0	%100
42	MP2B	Z	-1.38	-1.38	0	%100
43	MP1B	X	-2.391	-2.391	0	%100
44	MP1B	Z	-1.38	-1.38	0	%100
45	M87A	X	-2.391	-2.391	0	%100
46	M87A	Z	-1.38	-1.38	0	%100
47	M93C	X	-2.467	-2.467	0	%100
48	M93C	Z	-1.425	-1.425	0	%100
49	M94B	X	-.617	-.617	0	%100
50	M94B	Z	-.356	-.356	0	%100
51	DC	X	-2.191	-2.191	0	%100
52	DC	Z	-1.265	-1.265	0	%100
53	M95B	X	-3.081	-3.081	0	%100
54	M95B	Z	-1.779	-1.779	0	%100
55	M96C	X	-3.081	-3.081	0	%100
56	M96C	Z	-1.779	-1.779	0	%100
57	M97	X	-1.513	-1.513	0	%100
58	M97	Z	-.873	-.873	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	M4	X	-.494	-.494	0	%100
2	M4	Z	-.856	-.856	0	%100
3	M14	X	-1.978	-1.978	0	%100
4	M14	Z	-3.425	-3.425	0	%100
5	M27	X	-.494	-.494	0	%100
6	M27	Z	-.856	-.856	0	%100
7	MP4A	X	-1.38	-1.38	0	%100
8	MP4A	Z	-2.391	-2.391	0	%100
9	MP3A	X	-1.38	-1.38	0	%100
10	MP3A	Z	-2.391	-2.391	0	%100
11	MP2A	X	-1.38	-1.38	0	%100
12	MP2A	Z	-2.391	-2.391	0	%100
13	MP1A	X	-1.38	-1.38	0	%100
14	MP1A	Z	-2.391	-2.391	0	%100
15	M71	X	-1.035	-1.035	0	%100
16	M71	Z	-1.793	-1.793	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M93	X	-1.265	-1.265	0	%100
20	M93	Z	-2.191	-2.191	0	%100
21	FACE	X	-1.431	-1.431	0	%100
22	FACE	Z	-2.479	-2.479	0	%100
23	M95A	X	-1.431	-1.431	0	%100
24	M95A	Z	-2.479	-2.479	0	%100
25	M96A	X	0	0	0	%100
26	M96A	Z	0	0	0	%100
27	MP4C	X	-1.38	-1.38	0	%100
28	MP4C	Z	-2.391	-2.391	0	%100
29	MP3C	X	-1.38	-1.38	0	%100
30	MP3C	Z	-2.391	-2.391	0	%100
31	MP2C	X	-1.38	-1.38	0	%100
32	MP2C	Z	-2.391	-2.391	0	%100
33	MP1C	X	-1.38	-1.38	0	%100
34	MP1C	Z	-2.391	-2.391	0	%100
35	M72	X	0	0	0	%100
36	M72	Z	0	0	0	%100
37	MP4B	X	-1.38	-1.38	0	%100
38	MP4B	Z	-2.391	-2.391	0	%100
39	MP3B	X	-1.38	-1.38	0	%100
40	MP3B	Z	-2.391	-2.391	0	%100
41	MP2B	X	-1.38	-1.38	0	%100
42	MP2B	Z	-2.391	-2.391	0	%100
43	MP1B	X	-1.38	-1.38	0	%100
44	MP1B	Z	-2.391	-2.391	0	%100
45	M87A	X	-1.035	-1.035	0	%100
46	M87A	Z	-1.793	-1.793	0	%100
47	M93C	X	-1.068	-1.068	0	%100
48	M93C	Z	-1.85	-1.85	0	%100
49	M94B	X	-1.068	-1.068	0	%100
50	M94B	Z	-1.85	-1.85	0	%100
51	DC	X	-1.265	-1.265	0	%100
52	DC	Z	-2.191	-2.191	0	%100
53	M95B	X	-1.175	-1.175	0	%100
54	M95B	Z	-2.035	-2.035	0	%100
55	M96C	X	-2.081	-2.081	0	%100
56	M96C	Z	-3.604	-3.604	0	%100
57	M97	X	-1.175	-1.175	0	%100
58	M97	Z	-2.035	-2.035	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	-.7	-.7	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	-.7	-.7	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	-.504	-.504	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-.504	-.504	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.504	-.504	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.504	-.504	0	%100
15	M71	X	0	0	0	%100
16	M71	Z	-.504	-.504	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-.166	-.166	0	%100
19	M93	X	0	0	0	%100
20	M93	Z	-.459	-.459	0	%100
21	FACE	X	0	0	0	%100
22	FACE	Z	-.884	-.884	0	%100
23	M95A	X	0	0	0	%100
24	M95A	Z	-.221	-.221	0	%100
25	M96A	X	0	0	0	%100
26	M96A	Z	-.221	-.221	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	-.504	-.504	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	-.504	-.504	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-.504	-.504	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-.504	-.504	0	%100
35	M72	X	0	0	0	%100
36	M72	Z	-.126	-.126	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-.504	-.504	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	-.504	-.504	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	-.504	-.504	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	-.504	-.504	0	%100
45	M87A	X	0	0	0	%100
46	M87A	Z	-.126	-.126	0	%100
47	M93C	X	0	0	0	%100
48	M93C	Z	-.166	-.166	0	%100
49	M94B	X	0	0	0	%100
50	M94B	Z	-.664	-.664	0	%100
51	DC	X	0	0	0	%100
52	DC	Z	-.459	-.459	0	%100
53	M95B	X	0	0	0	%100
54	M95B	Z	-.483	-.483	0	%100
55	M96C	X	0	0	0	%100
56	M96C	Z	-.877	-.877	0	%100
57	M97	X	0	0	0	%100
58	M97	Z	-.877	-.877	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	M4	X	.117	.117	0	%100
2	M4	Z	-.202	-.202	0	%100
3	M14	X	.117	.117	0	%100
4	M14	Z	-.202	-.202	0	%100
5	M27	X	.467	.467	0	%100
6	M27	Z	-.809	-.809	0	%100
7	MP4A	X	.252	.252	0	%100
8	MP4A	Z	-.436	-.436	0	%100
9	MP3A	X	.252	.252	0	%100
10	MP3A	Z	-.436	-.436	0	%100
11	MP2A	X	.252	.252	0	%100
12	MP2A	Z	-.436	-.436	0	%100
13	MP1A	X	.252	.252	0	%100
14	MP1A	Z	-.436	-.436	0	%100
15	M71	X	.189	.189	0	%100
16	M71	Z	-.327	-.327	0	%100
17	M80	X	.249	.249	0	%100
18	M80	Z	-.431	-.431	0	%100
19	M93	X	.23	.23	0	%100
20	M93	Z	-.398	-.398	0	%100
21	FACE	X	.331	.331	0	%100
22	FACE	Z	-.574	-.574	0	%100
23	M95A	X	0	0	0	%100
24	M95A	Z	0	0	0	%100
25	M96A	X	.331	.331	0	%100
26	M96A	Z	-.574	-.574	0	%100
27	MP4C	X	.252	.252	0	%100
28	MP4C	Z	-.436	-.436	0	%100
29	MP3C	X	.252	.252	0	%100
30	MP3C	Z	-.436	-.436	0	%100
31	MP2C	X	.252	.252	0	%100
32	MP2C	Z	-.436	-.436	0	%100
33	MP1C	X	.252	.252	0	%100
34	MP1C	Z	-.436	-.436	0	%100
35	M72	X	.189	.189	0	%100
36	M72	Z	-.327	-.327	0	%100
37	MP4B	X	.252	.252	0	%100
38	MP4B	Z	-.436	-.436	0	%100
39	MP3B	X	.252	.252	0	%100
40	MP3B	Z	-.436	-.436	0	%100
41	MP2B	X	.252	.252	0	%100
42	MP2B	Z	-.436	-.436	0	%100
43	MP1B	X	.252	.252	0	%100
44	MP1B	Z	-.436	-.436	0	%100
45	M87A	X	0	0	0	%100
46	M87A	Z	0	0	0	%100
47	M93C	X	0	0	0	%100
48	M93C	Z	0	0	0	%100
49	M94B	X	.249	.249	0	%100
50	M94B	Z	-.431	-.431	0	%100
51	DC	X	.23	.23	0	%100
52	DC	Z	-.398	-.398	0	%100
53	M95B	X	.307	.307	0	%100
54	M95B	Z	-.532	-.532	0	%100
55	M96C	X	.307	.307	0	%100
56	M96C	Z	-.532	-.532	0	%100
57	M97	X	.504	.504	0	%100
58	M97	Z	-.873	-.873	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	M4	X	.607	.607	0	%100
2	M4	Z	-.35	-.35	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	.607	.607	0	%100
6	M27	Z	-.35	-.35	0	%100
7	MP4A	X	.436	.436	0	%100
8	MP4A	Z	-.252	-.252	0	%100
9	MP3A	X	.436	.436	0	%100
10	MP3A	Z	-.252	-.252	0	%100
11	MP2A	X	.436	.436	0	%100
12	MP2A	Z	-.252	-.252	0	%100
13	MP1A	X	.436	.436	0	%100
14	MP1A	Z	-.252	-.252	0	%100
15	M71	X	.109	.109	0	%100
16	M71	Z	-.063	-.063	0	%100
17	M80	X	.575	.575	0	%100
18	M80	Z	-.332	-.332	0	%100
19	M93	X	.398	.398	0	%100
20	M93	Z	-.23	-.23	0	%100
21	FACE	X	.191	.191	0	%100
22	FACE	Z	-.11	-.11	0	%100
23	M95A	X	.191	.191	0	%100
24	M95A	Z	-.11	-.11	0	%100
25	M96A	X	.766	.766	0	%100
26	M96A	Z	-.442	-.442	0	%100
27	MP4C	X	.436	.436	0	%100
28	MP4C	Z	-.252	-.252	0	%100
29	MP3C	X	.436	.436	0	%100
30	MP3C	Z	-.252	-.252	0	%100
31	MP2C	X	.436	.436	0	%100
32	MP2C	Z	-.252	-.252	0	%100
33	MP1C	X	.436	.436	0	%100
34	MP1C	Z	-.252	-.252	0	%100
35	M72	X	.436	.436	0	%100
36	M72	Z	-.252	-.252	0	%100
37	MP4B	X	.436	.436	0	%100
38	MP4B	Z	-.252	-.252	0	%100
39	MP3B	X	.436	.436	0	%100
40	MP3B	Z	-.252	-.252	0	%100
41	MP2B	X	.436	.436	0	%100
42	MP2B	Z	-.252	-.252	0	%100
43	MP1B	X	.436	.436	0	%100
44	MP1B	Z	-.252	-.252	0	%100
45	M87A	X	.109	.109	0	%100
46	M87A	Z	-.063	-.063	0	%100
47	M93C	X	.144	.144	0	%100
48	M93C	Z	-.083	-.083	0	%100
49	M94B	X	.144	.144	0	%100
50	M94B	Z	-.083	-.083	0	%100
51	DC	X	.398	.398	0	%100
52	DC	Z	-.23	-.23	0	%100
53	M95B	X	.759	.759	0	%100
54	M95B	Z	-.438	-.438	0	%100
55	M96C	X	.419	.419	0	%100
56	M96C	Z	-.242	-.242	0	%100
57	M97	X	.759	.759	0	%100
58	M97	Z	-.438	-.438	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	M4	X	.934	.934	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	.233	.233	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	.233	.233	0	%100
6	M27	Z	0	0	0	%100
7	MP4A	X	.504	.504	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	.504	.504	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	.504	.504	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.504	.504	0	%100
14	MP1A	Z	0	0	0	%100
15	M71	X	0	0	0	%100
16	M71	Z	0	0	0	%100
17	M80	X	.498	.498	0	%100
18	M80	Z	0	0	0	%100
19	M93	X	.459	.459	0	%100
20	M93	Z	0	0	0	%100
21	FACE	X	0	0	0	%100
22	FACE	Z	0	0	0	%100
23	M95A	X	.663	.663	0	%100
24	M95A	Z	0	0	0	%100
25	M96A	X	.663	.663	0	%100
26	M96A	Z	0	0	0	%100
27	MP4C	X	.504	.504	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	.504	.504	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	.504	.504	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	.504	.504	0	%100
34	MP1C	Z	0	0	0	%100
35	M72	X	.378	.378	0	%100
36	M72	Z	0	0	0	%100
37	MP4B	X	.504	.504	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	.504	.504	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	.504	.504	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	.504	.504	0	%100
44	MP1B	Z	0	0	0	%100
45	M87A	X	.378	.378	0	%100
46	M87A	Z	0	0	0	%100
47	M93C	X	.498	.498	0	%100
48	M93C	Z	0	0	0	%100
49	M94B	X	0	0	0	%100
50	M94B	Z	0	0	0	%100
51	DC	X	.459	.459	0	%100
52	DC	Z	0	0	0	%100
53	M95B	X	1.008	1.008	0	%100
54	M95B	Z	0	0	0	%100
55	M96C	X	.614	.614	0	%100
56	M96C	Z	0	0	0	%100
57	M97	X	.614	.614	0	%100
58	M97	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	M4	X	.607	.607	0	%100
2	M4	Z	.35	.35	0	%100
3	M14	X	.607	.607	0	%100
4	M14	Z	.35	.35	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	MP4A	X	.436	.436	0	%100
8	MP4A	Z	.252	.252	0	%100
9	MP3A	X	.436	.436	0	%100
10	MP3A	Z	.252	.252	0	%100
11	MP2A	X	.436	.436	0	%100
12	MP2A	Z	.252	.252	0	%100
13	MP1A	X	.436	.436	0	%100
14	MP1A	Z	.252	.252	0	%100
15	M71	X	.109	.109	0	%100
16	M71	Z	.063	.063	0	%100
17	M80	X	.144	.144	0	%100
18	M80	Z	.083	.083	0	%100
19	M93	X	.398	.398	0	%100
20	M93	Z	.23	.23	0	%100
21	FACE	X	.191	.191	0	%100
22	FACE	Z	.11	.11	0	%100
23	M95A	X	.766	.766	0	%100
24	M95A	Z	.442	.442	0	%100
25	M96A	X	.191	.191	0	%100
26	M96A	Z	.11	.11	0	%100
27	MP4C	X	.436	.436	0	%100
28	MP4C	Z	.252	.252	0	%100
29	MP3C	X	.436	.436	0	%100
30	MP3C	Z	.252	.252	0	%100
31	MP2C	X	.436	.436	0	%100
32	MP2C	Z	.252	.252	0	%100
33	MP1C	X	.436	.436	0	%100
34	MP1C	Z	.252	.252	0	%100
35	M72	X	.109	.109	0	%100
36	M72	Z	.063	.063	0	%100
37	MP4B	X	.436	.436	0	%100
38	MP4B	Z	.252	.252	0	%100
39	MP3B	X	.436	.436	0	%100
40	MP3B	Z	.252	.252	0	%100
41	MP2B	X	.436	.436	0	%100
42	MP2B	Z	.252	.252	0	%100
43	MP1B	X	.436	.436	0	%100
44	MP1B	Z	.252	.252	0	%100
45	M87A	X	.436	.436	0	%100
46	M87A	Z	.252	.252	0	%100
47	M93C	X	.575	.575	0	%100
48	M93C	Z	.332	.332	0	%100
49	M94B	X	.144	.144	0	%100
50	M94B	Z	.083	.083	0	%100
51	DC	X	.398	.398	0	%100
52	DC	Z	.23	.23	0	%100
53	M95B	X	.759	.759	0	%100
54	M95B	Z	.438	.438	0	%100
55	M96C	X	.759	.759	0	%100
56	M96C	Z	.438	.438	0	%100
57	M97	X	.419	.419	0	%100
58	M97	Z	.242	.242	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	M4	X	.117	.117	0	%100
2	M4	Z	.202	.202	0	%100
3	M14	X	.467	.467	0	%100
4	M14	Z	.809	.809	0	%100
5	M27	X	.117	.117	0	%100
6	M27	Z	.202	.202	0	%100
7	MP4A	X	.252	.252	0	%100
8	MP4A	Z	.436	.436	0	%100
9	MP3A	X	.252	.252	0	%100
10	MP3A	Z	.436	.436	0	%100
11	MP2A	X	.252	.252	0	%100
12	MP2A	Z	.436	.436	0	%100
13	MP1A	X	.252	.252	0	%100
14	MP1A	Z	.436	.436	0	%100
15	M71	X	.189	.189	0	%100
16	M71	Z	.327	.327	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M93	X	.23	.23	0	%100
20	M93	Z	.398	.398	0	%100
21	FACE	X	.331	.331	0	%100
22	FACE	Z	.574	.574	0	%100
23	M95A	X	.331	.331	0	%100
24	M95A	Z	.574	.574	0	%100
25	M96A	X	0	0	0	%100
26	M96A	Z	0	0	0	%100
27	MP4C	X	.252	.252	0	%100
28	MP4C	Z	.436	.436	0	%100
29	MP3C	X	.252	.252	0	%100
30	MP3C	Z	.436	.436	0	%100
31	MP2C	X	.252	.252	0	%100
32	MP2C	Z	.436	.436	0	%100
33	MP1C	X	.252	.252	0	%100
34	MP1C	Z	.436	.436	0	%100
35	M72	X	0	0	0	%100
36	M72	Z	0	0	0	%100
37	MP4B	X	.252	.252	0	%100
38	MP4B	Z	.436	.436	0	%100
39	MP3B	X	.252	.252	0	%100
40	MP3B	Z	.436	.436	0	%100
41	MP2B	X	.252	.252	0	%100
42	MP2B	Z	.436	.436	0	%100
43	MP1B	X	.252	.252	0	%100
44	MP1B	Z	.436	.436	0	%100
45	M87A	X	.189	.189	0	%100
46	M87A	Z	.327	.327	0	%100
47	M93C	X	.249	.249	0	%100
48	M93C	Z	.431	.431	0	%100
49	M94B	X	.249	.249	0	%100
50	M94B	Z	.431	.431	0	%100
51	DC	X	.23	.23	0	%100
52	DC	Z	.398	.398	0	%100
53	M95B	X	.307	.307	0	%100
54	M95B	Z	.532	.532	0	%100
55	M96C	X	.504	.504	0	%100
56	M96C	Z	.873	.873	0	%100
57	M97	X	.307	.307	0	%100
58	M97	Z	.532	.532	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	.7	.7	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	.7	.7	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	.504	.504	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	.504	.504	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.504	.504	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.504	.504	0	%100
15	M71	X	0	0	0	%100
16	M71	Z	.504	.504	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	.166	.166	0	%100
19	M93	X	0	0	0	%100
20	M93	Z	.459	.459	0	%100
21	FACE	X	0	0	0	%100
22	FACE	Z	.884	.884	0	%100
23	M95A	X	0	0	0	%100
24	M95A	Z	.221	.221	0	%100
25	M96A	X	0	0	0	%100
26	M96A	Z	.221	.221	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	.504	.504	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	.504	.504	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	.504	.504	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	.504	.504	0	%100
35	M72	X	0	0	0	%100
36	M72	Z	.126	.126	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	.504	.504	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	.504	.504	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	.504	.504	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	.504	.504	0	%100
45	M87A	X	0	0	0	%100
46	M87A	Z	.126	.126	0	%100
47	M93C	X	0	0	0	%100
48	M93C	Z	.166	.166	0	%100
49	M94B	X	0	0	0	%100
50	M94B	Z	.664	.664	0	%100
51	DC	X	0	0	0	%100
52	DC	Z	.459	.459	0	%100
53	M95B	X	0	0	0	%100
54	M95B	Z	.483	.483	0	%100
55	M96C	X	0	0	0	%100
56	M96C	Z	.877	.877	0	%100
57	M97	X	0	0	0	%100
58	M97	Z	.877	.877	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	M4	X	-.117	-.117	0	%100
2	M4	Z	.202	.202	0	%100
3	M14	X	-.117	-.117	0	%100
4	M14	Z	.202	.202	0	%100
5	M27	X	-.467	-.467	0	%100
6	M27	Z	.809	.809	0	%100
7	MP4A	X	-.252	-.252	0	%100
8	MP4A	Z	.436	.436	0	%100
9	MP3A	X	-.252	-.252	0	%100
10	MP3A	Z	.436	.436	0	%100
11	MP2A	X	-.252	-.252	0	%100
12	MP2A	Z	.436	.436	0	%100
13	MP1A	X	-.252	-.252	0	%100
14	MP1A	Z	.436	.436	0	%100
15	M71	X	-.189	-.189	0	%100
16	M71	Z	.327	.327	0	%100
17	M80	X	-.249	-.249	0	%100
18	M80	Z	.431	.431	0	%100
19	M93	X	-.23	-.23	0	%100
20	M93	Z	.398	.398	0	%100
21	FACE	X	-.331	-.331	0	%100
22	FACE	Z	.574	.574	0	%100
23	M95A	X	0	0	0	%100
24	M95A	Z	0	0	0	%100
25	M96A	X	-.331	-.331	0	%100
26	M96A	Z	.574	.574	0	%100
27	MP4C	X	-.252	-.252	0	%100
28	MP4C	Z	.436	.436	0	%100
29	MP3C	X	-.252	-.252	0	%100
30	MP3C	Z	.436	.436	0	%100
31	MP2C	X	-.252	-.252	0	%100
32	MP2C	Z	.436	.436	0	%100
33	MP1C	X	-.252	-.252	0	%100
34	MP1C	Z	.436	.436	0	%100
35	M72	X	-.189	-.189	0	%100
36	M72	Z	.327	.327	0	%100
37	MP4B	X	-.252	-.252	0	%100
38	MP4B	Z	.436	.436	0	%100
39	MP3B	X	-.252	-.252	0	%100
40	MP3B	Z	.436	.436	0	%100
41	MP2B	X	-.252	-.252	0	%100
42	MP2B	Z	.436	.436	0	%100
43	MP1B	X	-.252	-.252	0	%100
44	MP1B	Z	.436	.436	0	%100
45	M87A	X	0	0	0	%100
46	M87A	Z	0	0	0	%100
47	M93C	X	0	0	0	%100
48	M93C	Z	0	0	0	%100
49	M94B	X	-.249	-.249	0	%100
50	M94B	Z	.431	.431	0	%100
51	DC	X	-.23	-.23	0	%100
52	DC	Z	.398	.398	0	%100
53	M95B	X	-.307	-.307	0	%100
54	M95B	Z	.532	.532	0	%100
55	M96C	X	-.307	-.307	0	%100
56	M96C	Z	.532	.532	0	%100
57	M97	X	-.504	-.504	0	%100
58	M97	Z	.873	.873	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	M4	X	-.607	-.607	0	%100
2	M4	Z	.35	.35	0	%100
3	M14	X	0	0	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	-.607	-.607	0	%100
6	M27	Z	.35	.35	0	%100
7	MP4A	X	-.436	-.436	0	%100
8	MP4A	Z	.252	.252	0	%100
9	MP3A	X	-.436	-.436	0	%100
10	MP3A	Z	.252	.252	0	%100
11	MP2A	X	-.436	-.436	0	%100
12	MP2A	Z	.252	.252	0	%100
13	MP1A	X	-.436	-.436	0	%100
14	MP1A	Z	.252	.252	0	%100
15	M71	X	-.109	-.109	0	%100
16	M71	Z	.063	.063	0	%100
17	M80	X	-.575	-.575	0	%100
18	M80	Z	.332	.332	0	%100
19	M93	X	-.398	-.398	0	%100
20	M93	Z	.23	.23	0	%100
21	FACE	X	-.191	-.191	0	%100
22	FACE	Z	.11	.11	0	%100
23	M95A	X	-.191	-.191	0	%100
24	M95A	Z	.11	.11	0	%100
25	M96A	X	-.766	-.766	0	%100
26	M96A	Z	.442	.442	0	%100
27	MP4C	X	-.436	-.436	0	%100
28	MP4C	Z	.252	.252	0	%100
29	MP3C	X	-.436	-.436	0	%100
30	MP3C	Z	.252	.252	0	%100
31	MP2C	X	-.436	-.436	0	%100
32	MP2C	Z	.252	.252	0	%100
33	MP1C	X	-.436	-.436	0	%100
34	MP1C	Z	.252	.252	0	%100
35	M72	X	-.436	-.436	0	%100
36	M72	Z	.252	.252	0	%100
37	MP4B	X	-.436	-.436	0	%100
38	MP4B	Z	.252	.252	0	%100
39	MP3B	X	-.436	-.436	0	%100
40	MP3B	Z	.252	.252	0	%100
41	MP2B	X	-.436	-.436	0	%100
42	MP2B	Z	.252	.252	0	%100
43	MP1B	X	-.436	-.436	0	%100
44	MP1B	Z	.252	.252	0	%100
45	M87A	X	-.109	-.109	0	%100
46	M87A	Z	.063	.063	0	%100
47	M93C	X	-.144	-.144	0	%100
48	M93C	Z	.083	.083	0	%100
49	M94B	X	-.144	-.144	0	%100
50	M94B	Z	.083	.083	0	%100
51	DC	X	-.398	-.398	0	%100
52	DC	Z	.23	.23	0	%100
53	M95B	X	-.759	-.759	0	%100
54	M95B	Z	.438	.438	0	%100
55	M96C	X	-.419	-.419	0	%100
56	M96C	Z	.242	.242	0	%100
57	M97	X	-.759	-.759	0	%100
58	M97	Z	.438	.438	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	M4	X	-.934	-.934	0	%100
2	M4	Z	0	0	0	%100
3	M14	X	-.233	-.233	0	%100
4	M14	Z	0	0	0	%100
5	M27	X	-.233	-.233	0	%100
6	M27	Z	0	0	0	%100
7	MP4A	X	-.504	-.504	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	-.504	-.504	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	-.504	-.504	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.504	-.504	0	%100
14	MP1A	Z	0	0	0	%100
15	M71	X	0	0	0	%100
16	M71	Z	0	0	0	%100
17	M80	X	-.498	-.498	0	%100
18	M80	Z	0	0	0	%100
19	M93	X	-.459	-.459	0	%100
20	M93	Z	0	0	0	%100
21	FACE	X	0	0	0	%100
22	FACE	Z	0	0	0	%100
23	M95A	X	-.663	-.663	0	%100
24	M95A	Z	0	0	0	%100
25	M96A	X	-.663	-.663	0	%100
26	M96A	Z	0	0	0	%100
27	MP4C	X	-.504	-.504	0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	-.504	-.504	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	-.504	-.504	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-.504	-.504	0	%100
34	MP1C	Z	0	0	0	%100
35	M72	X	-.378	-.378	0	%100
36	M72	Z	0	0	0	%100
37	MP4B	X	-.504	-.504	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	-.504	-.504	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	-.504	-.504	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	-.504	-.504	0	%100
44	MP1B	Z	0	0	0	%100
45	M87A	X	-.378	-.378	0	%100
46	M87A	Z	0	0	0	%100
47	M93C	X	-.498	-.498	0	%100
48	M93C	Z	0	0	0	%100
49	M94B	X	0	0	0	%100
50	M94B	Z	0	0	0	%100
51	DC	X	-.459	-.459	0	%100
52	DC	Z	0	0	0	%100
53	M95B	X	-1.008	-1.008	0	%100
54	M95B	Z	0	0	0	%100
55	M96C	X	-.614	-.614	0	%100
56	M96C	Z	0	0	0	%100
57	M97	X	-.614	-.614	0	%100
58	M97	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	M4	X	-.607	-.607	0	%100
2	M4	Z	-.35	-.35	0	%100
3	M14	X	-.607	-.607	0	%100
4	M14	Z	-.35	-.35	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	MP4A	X	-.436	-.436	0	%100
8	MP4A	Z	-.252	-.252	0	%100
9	MP3A	X	-.436	-.436	0	%100
10	MP3A	Z	-.252	-.252	0	%100
11	MP2A	X	-.436	-.436	0	%100
12	MP2A	Z	-.252	-.252	0	%100
13	MP1A	X	-.436	-.436	0	%100
14	MP1A	Z	-.252	-.252	0	%100
15	M71	X	-.109	-.109	0	%100
16	M71	Z	-.063	-.063	0	%100
17	M80	X	-.144	-.144	0	%100
18	M80	Z	-.083	-.083	0	%100
19	M93	X	-.398	-.398	0	%100
20	M93	Z	-.23	-.23	0	%100
21	FACE	X	-.191	-.191	0	%100
22	FACE	Z	-.11	-.11	0	%100
23	M95A	X	-.766	-.766	0	%100
24	M95A	Z	-.442	-.442	0	%100
25	M96A	X	-.191	-.191	0	%100
26	M96A	Z	-.11	-.11	0	%100
27	MP4C	X	-.436	-.436	0	%100
28	MP4C	Z	-.252	-.252	0	%100
29	MP3C	X	-.436	-.436	0	%100
30	MP3C	Z	-.252	-.252	0	%100
31	MP2C	X	-.436	-.436	0	%100
32	MP2C	Z	-.252	-.252	0	%100
33	MP1C	X	-.436	-.436	0	%100
34	MP1C	Z	-.252	-.252	0	%100
35	M72	X	-.109	-.109	0	%100
36	M72	Z	-.063	-.063	0	%100
37	MP4B	X	-.436	-.436	0	%100
38	MP4B	Z	-.252	-.252	0	%100
39	MP3B	X	-.436	-.436	0	%100
40	MP3B	Z	-.252	-.252	0	%100
41	MP2B	X	-.436	-.436	0	%100
42	MP2B	Z	-.252	-.252	0	%100
43	MP1B	X	-.436	-.436	0	%100
44	MP1B	Z	-.252	-.252	0	%100
45	M87A	X	-.436	-.436	0	%100
46	M87A	Z	-.252	-.252	0	%100
47	M93C	X	-.575	-.575	0	%100
48	M93C	Z	-.332	-.332	0	%100
49	M94B	X	-.144	-.144	0	%100
50	M94B	Z	-.083	-.083	0	%100
51	DC	X	-.398	-.398	0	%100
52	DC	Z	-.23	-.23	0	%100
53	M95B	X	-.759	-.759	0	%100
54	M95B	Z	-.438	-.438	0	%100
55	M96C	X	-.759	-.759	0	%100
56	M96C	Z	-.438	-.438	0	%100
57	M97	X	-.419	-.419	0	%100
58	M97	Z	-.242	-.242	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	M4	X	-.117	-.117	0	%100
2	M4	Z	-.202	-.202	0	%100
3	M14	X	-.467	-.467	0	%100
4	M14	Z	-.809	-.809	0	%100
5	M27	X	-.117	-.117	0	%100
6	M27	Z	-.202	-.202	0	%100
7	MP4A	X	-.252	-.252	0	%100
8	MP4A	Z	-.436	-.436	0	%100
9	MP3A	X	-.252	-.252	0	%100
10	MP3A	Z	-.436	-.436	0	%100
11	MP2A	X	-.252	-.252	0	%100
12	MP2A	Z	-.436	-.436	0	%100
13	MP1A	X	-.252	-.252	0	%100
14	MP1A	Z	-.436	-.436	0	%100
15	M71	X	-.189	-.189	0	%100
16	M71	Z	-.327	-.327	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M93	X	-.23	-.23	0	%100
20	M93	Z	-.398	-.398	0	%100
21	FACE	X	-.331	-.331	0	%100
22	FACE	Z	-.574	-.574	0	%100
23	M95A	X	-.331	-.331	0	%100
24	M95A	Z	-.574	-.574	0	%100
25	M96A	X	0	0	0	%100
26	M96A	Z	0	0	0	%100
27	MP4C	X	-.252	-.252	0	%100
28	MP4C	Z	-.436	-.436	0	%100
29	MP3C	X	-.252	-.252	0	%100
30	MP3C	Z	-.436	-.436	0	%100
31	MP2C	X	-.252	-.252	0	%100
32	MP2C	Z	-.436	-.436	0	%100
33	MP1C	X	-.252	-.252	0	%100
34	MP1C	Z	-.436	-.436	0	%100
35	M72	X	0	0	0	%100
36	M72	Z	0	0	0	%100
37	MP4B	X	-.252	-.252	0	%100
38	MP4B	Z	-.436	-.436	0	%100
39	MP3B	X	-.252	-.252	0	%100
40	MP3B	Z	-.436	-.436	0	%100
41	MP2B	X	-.252	-.252	0	%100
42	MP2B	Z	-.436	-.436	0	%100
43	MP1B	X	-.252	-.252	0	%100
44	MP1B	Z	-.436	-.436	0	%100
45	M87A	X	-.189	-.189	0	%100
46	M87A	Z	-.327	-.327	0	%100
47	M93C	X	-.249	-.249	0	%100
48	M93C	Z	-.431	-.431	0	%100
49	M94B	X	-.249	-.249	0	%100
50	M94B	Z	-.431	-.431	0	%100
51	DC	X	-.23	-.23	0	%100
52	DC	Z	-.398	-.398	0	%100
53	M95B	X	-.307	-.307	0	%100
54	M95B	Z	-.532	-.532	0	%100
55	M96C	X	-.504	-.504	0	%100
56	M96C	Z	-.873	-.873	0	%100
57	M97	X	-.307	-.307	0	%100
58	M97	Z	-.532	-.532	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	M14	Y	-7.059	-7.059	2.86	3.918
2	M27	Y	-3.808	-3.808	2.65	3.773
3	FACE	Y	-3.188	-4.976	1.367	3.555
4	FACE	Y	-4.976	-6.234	3.555	5.742
5	FACE	Y	-6.234	-6.497	5.742	7.93
6	FACE	Y	-6.497	-5.017	7.93	10.117
7	FACE	Y	-5.017	-2.261	10.117	12.305
8	M4	Y	-3.811	-3.811	2.697	3.773
9	M27	Y	-3.811	-3.811	2.697	3.773
10	M96A	Y	-3.3	-3.3	1.865	2.487
11	M96A	Y	-3.3	-4.95	2.487	3.108
12	M96A	Y	-4.95	-6.601	3.108	3.729
13	M96A	Y	-6.601	-6.601	3.729	4.351
14	M96A	Y	-6.601	-6.601	4.351	4.972
15	M96A	Y	-6.601	-6.601	4.972	5.593
16	M96A	Y	-6.601	-6.601	5.593	6.215
17	M96A	Y	-6.601	-6.601	6.215	6.836
18	M96A	Y	-6.601	-6.601	6.836	7.457
19	M96A	Y	-6.601	-6.601	7.457	8.079
20	M96A	Y	-6.601	-6.601	8.079	8.7
21	M96A	Y	-6.601	-6.601	8.7	9.321
22	M96A	Y	-6.601	-6.601	9.321	9.942
23	M96A	Y	-6.601	-4.95	9.942	10.564
24	M96A	Y	-4.95	-3.3	10.564	11.185
25	M96A	Y	-3.3	-3.3	11.185	11.806
26	M4	Y	-3.808	-3.808	2.65	3.773
27	M95A	Y	-2.261	-5.017	1.367	3.555
28	M95A	Y	-5.017	-6.497	3.555	5.742
29	M95A	Y	-6.497	-6.234	5.742	7.93
30	M95A	Y	-6.234	-4.976	7.93	10.117
31	M95A	Y	-4.976	-3.188	10.117	12.305

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	M14	Y	-13.649	-13.649	2.86	3.918
2	M27	Y	-7.364	-7.364	2.65	3.773
3	FACE	Y	-6.165	-9.622	1.367	3.555
4	FACE	Y	-9.622	-12.055	3.555	5.742
5	FACE	Y	-12.055	-12.563	5.742	7.93
6	FACE	Y	-12.563	-9.702	7.93	10.117
7	FACE	Y	-9.702	-4.373	10.117	12.305
8	M4	Y	-7.369	-7.369	2.697	3.773
9	M27	Y	-7.369	-7.369	2.697	3.773
10	M96A	Y	-6.382	-6.382	1.865	2.487
11	M96A	Y	-6.382	-9.572	2.487	3.108
12	M96A	Y	-9.572	-12.763	3.108	3.729
13	M96A	Y	-12.763	-12.763	3.729	4.351
14	M96A	Y	-12.763	-12.763	4.351	4.972
15	M96A	Y	-12.763	-12.763	4.972	5.593
16	M96A	Y	-12.763	-12.763	5.593	6.215
17	M96A	Y	-12.763	-12.763	6.215	6.836
18	M96A	Y	-12.763	-12.763	6.836	7.457
19	M96A	Y	-12.763	-12.763	7.457	8.079
20	M96A	Y	-12.763	-12.763	8.079	8.7
21	M96A	Y	-12.763	-12.763	8.7	9.321
22	M96A	Y	-12.763	-12.763	9.321	9.942
23	M96A	Y	-12.763	-9.572	9.942	10.564
24	M96A	Y	-9.572	-6.382	10.564	11.185

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	M96A	Y	-6.382	-6.382	11.185	11.806
26	M4	Y	-7.364	-7.364	2.65	3.773
27	M95A	Y	-4.373	-9.702	1.367	3.555
28	M95A	Y	-9.702	-12.563	3.555	5.742
29	M95A	Y	-12.563	-12.055	5.742	7.93
30	M95A	Y	-12.055	-9.622	7.93	10.117
31	M95A	Y	-9.622	-6.165	10.117	12.305

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	M14	Z	-.212	-.212	2.86	3.918
2	M27	Z	-.114	-.114	2.65	3.773
3	FACE	Z	-.096	-.149	1.367	3.555
4	FACE	Z	-.149	-.187	3.555	5.742
5	FACE	Z	-.187	-.195	5.742	7.93
6	FACE	Z	-.195	-.151	7.93	10.117
7	FACE	Z	-.151	-.068	10.117	12.305
8	M4	Z	-.114	-.114	2.697	3.773
9	M27	Z	-.114	-.114	2.697	3.773
10	M96A	Z	-.099	-.099	1.865	2.487
11	M96A	Z	-.099	-.149	2.487	3.108
12	M96A	Z	-.149	-.198	3.108	3.729
13	M96A	Z	-.198	-.198	3.729	4.351
14	M96A	Z	-.198	-.198	4.351	4.972
15	M96A	Z	-.198	-.198	4.972	5.593
16	M96A	Z	-.198	-.198	5.593	6.215
17	M96A	Z	-.198	-.198	6.215	6.836
18	M96A	Z	-.198	-.198	6.836	7.457
19	M96A	Z	-.198	-.198	7.457	8.079
20	M96A	Z	-.198	-.198	8.079	8.7
21	M96A	Z	-.198	-.198	8.7	9.321
22	M96A	Z	-.198	-.198	9.321	9.942
23	M96A	Z	-.198	-.149	9.942	10.564
24	M96A	Z	-.149	-.099	10.564	11.185
25	M96A	Z	-.099	-.099	11.185	11.806
26	M4	Z	-.114	-.114	2.65	3.773
27	M95A	Z	-.068	-.151	1.367	3.555
28	M95A	Z	-.151	-.195	3.555	5.742
29	M95A	Z	-.195	-.187	5.742	7.93
30	M95A	Z	-.187	-.149	7.93	10.117
31	M95A	Z	-.149	-.096	10.117	12.305

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	M14	X	.212	.212	2.86	3.918
2	M27	X	.114	.114	2.65	3.773
3	FACE	X	.096	.149	1.367	3.555
4	FACE	X	.149	.187	3.555	5.742
5	FACE	X	.187	.195	5.742	7.93
6	FACE	X	.195	.151	7.93	10.117
7	FACE	X	.151	.068	10.117	12.305
8	M4	X	.114	.114	2.697	3.773
9	M27	X	.114	.114	2.697	3.773
10	M96A	X	.099	.099	1.865	2.487
11	M96A	X	.099	.149	2.487	3.108
12	M96A	X	.149	.198	3.108	3.729
13	M96A	X	.198	.198	3.729	4.351
14	M96A	X	.198	.198	4.351	4.972

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,%]
15	M96A	X	.198	.198	4.972	5.593
16	M96A	X	.198	.198	5.593	6.215
17	M96A	X	.198	.198	6.215	6.836
18	M96A	X	.198	.198	6.836	7.457
19	M96A	X	.198	.198	7.457	8.079
20	M96A	X	.198	.198	8.079	8.7
21	M96A	X	.198	.198	8.7	9.321
22	M96A	X	.198	.198	9.321	9.942
23	M96A	X	.198	.149	9.942	10.564
24	M96A	X	.149	.099	10.564	11.185
25	M96A	X	.099	.099	11.185	11.806
26	M4	X	.114	.114	2.65	3.773
27	M95A	X	.068	.151	1.367	3.555
28	M95A	X	.151	.195	3.555	5.742
29	M95A	X	.195	.187	5.742	7.93
30	M95A	X	.187	.149	7.93	10.117
31	M95A	X	.149	.096	10.117	12.305

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N141	N142C	N142B	N142	Y	Two Way	-.005
2	N141	N139	N114	N140C	Y	Two Way	-.005
3	N139	N142C	N140B	N141B	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N141	N142C	N142B	N142	Y	Two Way	-.01
2	N141	N139	N114	N140C	Y	Two Way	-.01
3	N139	N142C	N140B	N141B	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N141	N142C	N142B	N142	Y	Two Way	0
2	N141	N139	N114	N140C	Y	Two Way	0
3	N139	N142C	N140B	N141B	Y	Two Way	0

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N141	N142C	N142B	N142	Z	Two Way	-.000156
2	N141	N139	N114	N140C	Z	Two Way	-.000156
3	N139	N142C	N140B	N141B	Z	Two Way	-.000156

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N141	N142C	N142B	N142	X	Two Way	.000156
2	N141	N139	N114	N140C	X	Two Way	.000156
3	N139	N142C	N140B	N141B	X	Two Way	.000156

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	N3	max	777.38	10	346.96	19	3770.264	1	.423	13	1.638	4	.229	4
2		min	-778.166	4	68.655	1	-1952.935	7	.012	7	-1.632	10	-.261	10
3	N14	max	3080.85	9	346.477	15	845.845	2	.149	12	1.871	12	.052	5
4		min	-1496.855	3	77.593	9	-1760.649	8	-.351	6	-1.872	6	-.358	23

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
5	N26	max	1382.79	11	180.32	23	866.282	12	-.025	50	1.665	8	.273	23
6		min	-2992.74	5	.802	50	-1792.987	6	-.158	23	-1.662	2	.043	50
7	N144C	max	42.221	10	2160.286	13	-915.069	7	0	75	0	12	0	6
8		min	-42.209	4	605.579	7	-3239.021	13	0	1	0	6	0	12
9	N146D	max	-842.38	3	2167.384	21	1624.963	21	0	10	0	4	0	4
10		min	-2814.538	21	643.012	3	486.279	3	0	4	0	10	0	10
11	N148A	max	2834.782	17	2182.552	17	1636.604	17	0	12	0	12	0	12
12		min	874.222	11	666.994	11	504.912	11	0	6	0	6	0	6
13	Totals:	max	4047.386	10	7064.25	21	4423.461	1						
14		min	-4047.383	4	2572.129	66	-4423.458	7						

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

	Member	Shape	Code Ch...	Lo...	LC	She...	Lo.....		LC	phi*...	phi*...	phi*...	phi*Mn z-...	Cb	Eqn
1	M4	HSS4X...	.255	5.79	10	.069	4.68	y	13	8458..	1068..	12.662	12.662	2.24	H1-1b
2	M14	HSS4X...	.276	5.79	6	.070	4.68	y	21	8458..	1068..	12.662	12.662	2.236	H1-1b
3	M27	HSS4X...	.268	5.79	2	.070	4.68	y	17	8458..	1068..	12.662	12.662	2.236	H1-1b
4	MP4A	PIPE_2...	.231	4.25	9	.057	4.25		11	1351..	32130	1.872	1.872	1.883	H1-1b
5	MP3A	PIPE_2...	.278	4.25	11	.062	4.25		8	1351..	32130	1.872	1.872	1.843	H1-1b
6	MP2A	PIPE_2...	.331	4....	1	.062	4.25		12	1351..	32130	1.872	1.872	1.947	H1-1b
7	MP1A	PIPE_2...	.291	4.25	5	.071	4.25		6	1351..	32130	1.872	1.872	1.891	H1-1b
8	M71	PIPE_2...	.246	8....	7	.075	11...		6	5262..	32130	1.872	1.872	3.378	H1-1b
9	M80	L2.5x2....	.224	2....	11	.014	2....	z	11	3341..	38556	1.114	2.537	1.85	H2-1
10	M93	PIPE_2...	.157	3....	12	.014	3....		12	2652..	32130	1.872	1.872	1.846	H1-1b
11	FACE	HSS4X...	.224	0	1	.060	13...	y	19	5034..	1068..	12.662	12.662	2.565	H1-1b
12	M95A	HSS4X...	.216	0	5	.057	13...	y	23	5034..	1068..	12.662	12.662	2.587	H1-1b
13	M96A	HSS4X...	.219	0	9	.060	13...	y	15	5034..	1068..	12.662	12.662	2.578	H1-1b
14	MP4C	PIPE_2...	.233	4.25	6	.058	4.25		7	1351..	32130	1.872	1.872	1.885	H1-1b
15	MP3C	PIPE_2...	.284	4.25	7	.059	4.25		4	1351..	32130	1.872	1.872	1.842	H1-1b
16	MP2C	PIPE_2...	.330	4....	3	.061	1....		1	1351..	32130	1.872	1.872	1.686	H1-1b
17	MP1C	PIPE_2...	.295	4.25	1	.072	4.25		2	1351..	32130	1.872	1.872	1.894	H1-1b
18	M72	PIPE_2...	.245	8....	3	.073	11...		2	5262..	32130	1.872	1.872	3.346	H1-1b
19	MP4B	PIPE_2...	.240	4.25	1	.055	4.25		3	1351..	32130	1.872	1.872	1.883	H1-1b
20	MP3B	PIPE_2...	.274	4.25	2	.067	4.25		12	1351..	32130	1.872	1.872	1.842	H1-1b
21	MP2B	PIPE_2...	.327	4....	12	.058	1....		9	1351..	32130	1.872	1.872	2.375	H1-1b
22	MP1B	PIPE_2...	.288	4.25	8	.070	4.25		11	1351..	32130	1.872	1.872	1.888	H1-1b
23	M87A	PIPE_2...	.238	8....	11	.067	11...		10	5262..	32130	1.872	1.872	3.398	H1-1b
24	M93C	L2.5x2....	.247	2....	12	.015	2....	z	7	3341..	38556	1.114	2.537	1.478	H2-1
25	M94B	L2.5x2....	.244	2....	2	.014	2....	z	3	3341..	38556	1.114	2.537	1.606	H2-1
26	DC	PIPE_2...	.157	3....	6	.014	3....		6	2652..	32130	1.872	1.872	1.846	H1-1b
27	M95B	LL3x3x...	.079	5....	13	.003	5....	y	12	4943..	70632	4.823	3.741	1	H1-1b*
28	M96C	LL3x3x...	.079	5....	21	.003	5....	y	10	4943..	70632	4.823	3.741	1	H1-1b*
29	M97	LL3x3x...	.080	5....	17	.003	5....	y	6	4943..	70632	4.823	3.741	1	H1-1b*

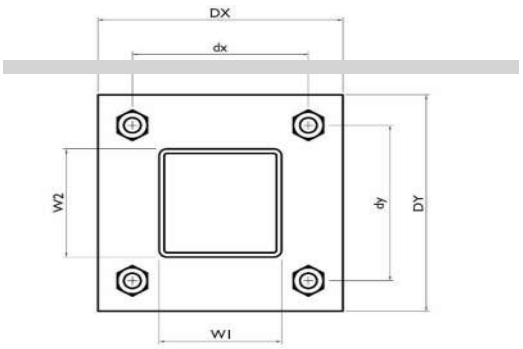
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/5/2023
Site Name:	W GREENWICH CT		
MDG #:	5000382493		
Fuze ID #:	17123954	Page:	1

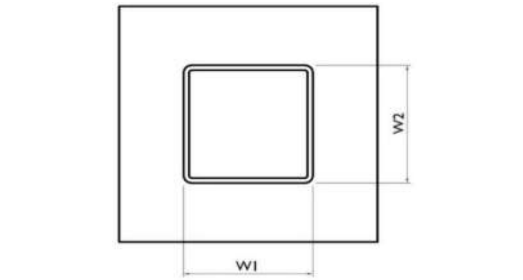
Version 1.01

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)*:	3
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	8
Bolt Type:	A325N
Bolt Diameter (in):	0.5
Required Tensile Strength / bolt (kips):	4.1
Required Shear Strength / bolt (kips):	0.4
Tensile Capacity / bolt (kips):	13.3
Shear Capacity / bolt (kips):	8.0
Bolt Overall Utilization:	**31.1%**



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):	10
W1(in):	3
W2 (in):	3
Member Thickness (in):	0.25
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):	0.5
Length of Yield Line, L_y (in):	5.59
Bolt Eccentricity, e (in):	2.50
M_u (kip-in):	10.30
Phi*M_n (kip-in):	11.31
Plate Bending Utilization:	**91.1%**

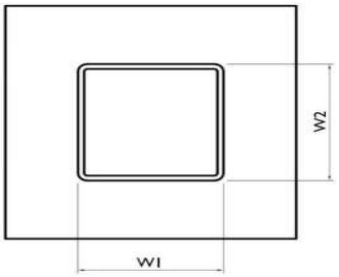


VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/5/2023
Site Name:	W GREENWICH CT		
PSLC #:	5000382493		
Fuze ID #:	17123954	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)	1.75
c_y (in)	1.75
Required combined strength (kip/in):	1.45
Weld Capacity (kip/in):	5.57
Weld Utilization:	**26.0%**



Date: **July 31, 2023**

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:	5000382493
	Site Name:	W Greenwich CT
Crown Castle Designation:	**BU Number:**	841290
	Site Name:	Greenwich North
	JDE Job Number:	751344
	Work Order Number:	2246161
	Order Number:	654614 Rev. 0
Engineering Firm Designation:	**Morrison Hershfield Project Number:** CN9-710R2 / 2300001	
Site Data:	**363 Riversville Road, Greenwich, Fairfield County, CT 06831**	
	Latitude *41° 3' 58.6"*, Longitude *-73° 40' 17.4"*	
	160 Foot – EEI 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:

LC5: Proposed Equipment Configuration **Sufficient Capacity – 59.6%**

This analysis utilizes an ultimate 3-second gust wind speed of 116 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. PEN.0028133)
Senior Engineer

EXP 1/31/2024

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 160 ft monopole tower designed by Engineered Endeavors, Inc.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	116 mph
Exposure Category:	B
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)
140.0	141.0	6	commscope	JAHH-65B-R3B	8	1-5/8
		3	samsung telecommunications	CBRS w/ Mount Pipe		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		3	commscope	CBC78T-DS-43-2X		
		1	kaelus	BSF0020F3V1		
		2	commscope	RC2DC-3315-PF-48		
		3	commscope	TD-850AB-LTE15-43		
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		
	140.0	1	-	Collar Mount [#VZWSMART-PLK7]		
		1	-	Kicker Kit [#VZWSMART-PLK5]		
		2	-	OVP Pipe [#VZWSMART-P40-238x048		
		3	-	Side by Side Mounting Kit		
		1	-	Platform Mount [LP 602-1]		

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)
160.0	163.0	3	ericsson	AIR 32 B2A/B66AA w/ Mount Pipe	6 3	1-5/8 1-3/8
		3	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe		
		3	rfs/celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
160.0	163.0	3	ericsson	RADIO 4449 B71 B85A_T-MOBILE	-	-
		3	ericsson	RRUS 4415 B25		
		3	commscope	SDX1926Q-43		
		3	rfs/celwave	ATMAA1412D-1A20		
	160.0	1	-	Platform Mount [LP 602-1]		
152.0	152.0	3	ericsson	RRUS 11	-	-
		3	ericsson	RRUS 32 B2		
		1	-	Side Arm Mount [SO 102-3]		
150.0	152.0	3	cci antennas	HPA-65R-BUU-H6 w/ Mount Pipe	12 4 2 2	1-5/8 3/4 2C 3/8
		3	powerwave technologies	7770.00 w/ Mount Pipe		
		3	quintel technology	QS66512-2 w/ Mount Pipe		
		6	powerwave technologies	LGP21401		
		3	ericsson	RADIO 4426		
		3	ericsson	RRUS 32		
		3	kaelus	DBC0061F1V51-2		
		1	raycap	DC6-48-60-18-8C		
		1	raycap	DC6-48-60-18-8F		
	150.0	1	-	Platform Mount [LP 602-1]		
120.0	120.0	3	rfs/celwave	APXVSPP18-C-A20 w/ Mount Pipe	3	1-1/4
		3	rfs/celwave	APXVTM14-ALU-I20 w/ Mount Pipe		
		3	alcatel lucent	TD-RRH8X20-25		
		1	-	Platform Mount [LP 602-1]		
119.0	119.0	3	alcatel lucent	1900MHZ RRH	-	-
		3	alcatel lucent	800MHZ RRH		
		1	-	Side Arm Mount [SO 102-3]		
72.0	73.0	2	gps	GPS_A	3	1/2
	72.0	1	-	Side Arm Mount [SO 601-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-TOWER MANUFACTURER DRAWINGS	5164738	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	5121536	CCISITES
4-GEOTECHNICAL REPORTS	5121535	CCISITES

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	160 - 152	Pole	TP30.62x29x0.1875	1	-4.42	1112.47	6.3	Pass
L2	152 - 111.29	Pole	TP38.86x30.62x0.25	2	-20.29	1828.41	34.7	Pass
L3	111.29 - 77.42	Pole	TP45.09x37.263x0.3125	3	-28.02	2653.22	45.9	Pass
L4	77.42 - 36.46	Pole	TP52.62x43.2359x0.4375	4	-42.09	4330.74	40.6	Pass
L5	36.46 - 0	Pole	TP59x50.3353x0.5	5	-61.66	5702.67	41.4	Pass
							Summary	
						Pole (L3)	45.9	Pass
						Rating =	45.9	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Flange Bolts	152.0	8.0	Pass
1	Flange Plate		6.9	Pass
1	Anchor Rods	0	37.7	Pass
1	Base Plate		44.8	Pass
1	Base Foundation (Structure)	0	59.6	Pass
1	Base Foundation (Soil Interaction)		40.1	Pass

Structure Rating (max from all components) =	**59.6%***

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

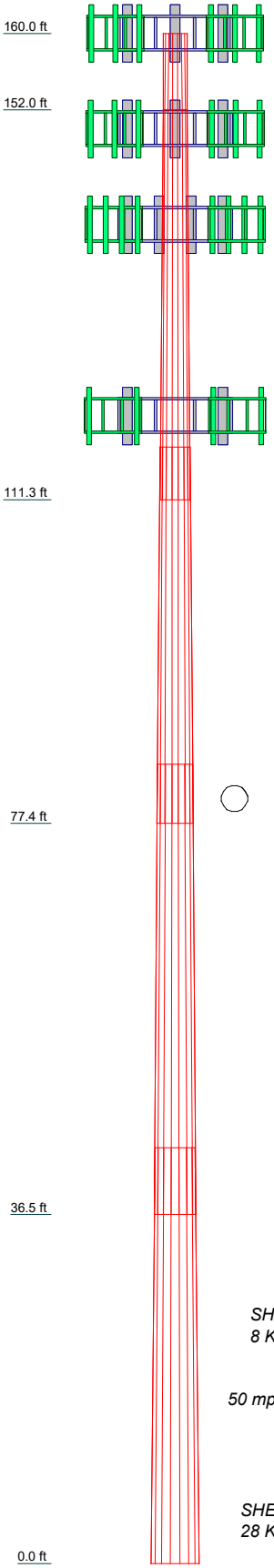
The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT

Section	1	2	3	4	5
Length (ft)	8.00	40.71	39.29	47.13	43.54
Number of Sides	18	18	18	18	18
Thickness (in)	0.1875	0.2500	0.3125	0.4375	0.5000
Socket Length (ft)		5.42	6.17	7.08	
Top Dia (in)	29.0000	30.6200	37.2630	43.2359	50.3353
Bot Dia (in)	30.6200	38.8600	45.0900	52.6200	59.0000
Grade	A572-65				
Weight (K)	0.5	3.8	5.4	10.6	12.7

33.0



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 116 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 45.9%

ALL REACTIONS ARE FACTORED

AXIAL 84 K

SHEAR 8 K — *MOMENT 901 kip-ft*

TORQUE 0 kip-ft
50 mph WIND - 1.0000 in ICE

AXIAL 62 K

SHEAR 28 K — *MOMENT 3318 kip-ft*

TORQUE 1 kip-ft
REACTIONS - 116 mph WIND

Consulting Engineers

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

Job: ***CN9-710R2 / 2300001***			
Project: ***841290 / Greenwich North***			
Client: Crown Castle USA	Drawn by: NN	App'd:	
Code: TIA-222-H	Date: 07/31/23	Scale: NTS	
Path:		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 Fairfield County, Connecticut.
- Tower base elevation above sea level: 223.00 ft.
- Basic wind speed of 116 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.0000 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		Distribute Leg Loads As Uniform		Use ASCE 10 X-Brace Ly Rules
	Consider Moments - Horizontals		Assume Legs Pinned		Calculate Redundant Bracing Forces
	Consider Moments - Diagonals	√	Assume Rigid Index Plate		Ignore Redundant Members in FEA
	Use Moment Magnification	√	Use Clear Spans For Wind Area		SR Leg Bolts Resist Compression
√	Use Code Stress Ratios		Use Clear Spans For KL/r		All Leg Panels Have Same Allowable
√	Use Code Safety Factors - Guys		Retension Guys To Initial Tension		Offset Girt At Foundation
	Escalate Ice	√	Bypass Mast Stability Checks	√	Consider Feed Line Torque
	Always Use Max Kz	√	Use Azimuth Dish Coefficients		Include Angle Block Shear Check
	Use Special Wind Profile	√	Project Wind Area of Appurt.		Use TIA-222-H Bracing Resist. Exemption
	Include Bolts In Member Capacity		Autocalc Torque Arm Areas		Use TIA-222-H Tension Splice Exemption
	Leg Bolts Are At Top Of Section		Add IBC .6D+W Combination		Poles
	Secondary Horizontal Braces Leg		Sort Capacity Reports By Component	√	Include Shear-Torsion Interaction
	Use Diamond Inner Bracing (4 Sided)		Triangulate Diamond Inner Bracing		Always Use Sub-Critical Flow
	SR Members Have Cut Ends		Treat Feed Line Bundles As Cylinder		Use Top Mounted Sockets
	SR Members Are Concentric		Ignore KL/ry For 60 Deg. Angle Legs		Pole Without Linear Attachments
					Pole With Shroud Or No Appurtenances
					Outside and Inside Corner Radii Are Known

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	160.00-152.00	8.00	0.00	18	29.0000	30.6200	0.1875	0.7500	A572-65 (65 ksi)
L2	152.00-111.29	40.71	5.42	18	30.6200	38.8600	0.2500	1.0000	A572-65

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
L3	111.29-77.42	39.29	6.17	18	37.2630	45.0900	0.3125	1.2500	(65 ksi) A572-65 (65 ksi)
L4	77.42-36.46	47.13	7.08	18	43.2359	52.6200	0.4375	1.7500	A572-65 (65 ksi)
L5	36.46-0.00	43.54		18	50.3353	59.0000	0.5000	2.0000	A572-65 (65 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	29.4184	17.1470	1798.4090	10.2284	14.7320	122.0750	3599.1844	8.5751	4.7740	25.461
	31.0634	18.1111	2119.1346	10.8035	15.5550	136.2353	4241.0576	9.0573	5.0591	26.982
L2	31.0538	24.0986	2808.1400	10.7814	15.5550	180.5302	5619.9750	12.0516	4.9491	19.796
	39.4209	30.6370	5770.1059	13.7066	19.7409	292.2922	11547.8043	15.3214	6.3994	25.597
L3	38.8860	36.6502	6321.9882	13.1174	18.9296	333.9740	12652.2950	18.3286	6.0083	19.226
	45.7374	44.4137	11250.5543	15.8960	22.9057	491.1679	22515.9125	22.2111	7.3858	23.635
L4	45.0828	59.4309	13753.2024	15.1934	21.9638	626.1754	27524.5016	29.7211	6.8395	15.633
	53.3643	72.4619	24928.5533	18.5248	26.7310	932.5723	49889.9082	36.2378	8.4911	19.408
L5	52.4654	79.0886	24815.6300	17.6915	25.5703	970.4855	49663.9131	39.5518	7.9790	15.958
	59.8330	92.8395	40140.4258	20.7675	29.9720	1339.2642	80333.6694	46.4286	9.5040	19.008

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 160.00-152.00				1	1	1			
L2 152.00-111.29				1	1	1			
L3 111.29-77.42				1	1	1			
L4 77.42-36.46				1	1	1			
L5 36.46-0.00				1	1	1			

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"	B	No	Surface Ar (CaAa)	160.00 - 6.00	1	1	0.000 0.000	0.3750		0.22
Climbing Pegs	B	No	Surface Ar (CaAa)	160.00 - 6.00	1	1	-0.050 0.050	0.7050		1.80
***										

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
***									
***									
***									
LDF7-50A(1-5/8)	A	No	No	Inside Pole	160.00 - 3.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
HCS 6X12 6AWG(1-3/8)	A	No	No	Inside Pole	160.00 - 3.00	3	No Ice	0.00	1.70
							1/2" Ice	0.00	1.70
							1" Ice	0.00	1.70
***									
LDF7-50A(1-5/8)	A	No	No	Inside Pole	150.00 - 6.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
FB-L98B-034-XXX(3/8)	A	No	No	Inside Pole	150.00 - 6.00	2	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
WR-VG86ST-BRD(3/4)	A	No	No	Inside Pole	150.00 - 6.00	4	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
CONDUIT (2)	A	No	No	Inside Pole	150.00 - 6.00	2	No Ice	0.00	0.36
							1/2" Ice	0.00	0.36
							1" Ice	0.00	0.36
***									
LDF7-50A(1-5/8)	A	No	No	Inside Pole	140.00 - 6.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
HB158-1-08U8-S8J18(1-5/8)	A	No	No	Inside Pole	140.00 - 6.00	2	No Ice	0.00	1.30
							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30
***									
CU12PSM9P6XXX (1-1/2)	A	No	No	Inside Pole	132.00 - 0.00	1	No Ice	0.00	2.35
							1/2" Ice	0.00	2.35
							1" Ice	0.00	2.35
***									
HB114-1-05U3-S3J(1-1/4)	C	No	No	Inside Pole	120.00 - 0.00	3	No Ice	0.00	0.90
							1/2" Ice	0.00	0.90
							1" Ice	0.00	0.90
***									
LDF4-50A(1/2)	C	No	No	Inside Pole	72.00 - 0.00	3	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
***									
***									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	160.00-152.00	A	0.000	0.000	0.000	0.000	0.08
		B	0.000	0.000	0.864	0.000	0.02
		C	0.000	0.000	0.000	0.000	0.00
L2	152.00-111.29	A	0.000	0.000	0.000	0.000	1.18
		B	0.000	0.000	4.397	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.02
L3	111.29-77.42	A	0.000	0.000	0.000	0.000	1.11
		B	0.000	0.000	3.658	0.000	0.07
		C	0.000	0.000	0.000	0.000	0.09
L4	77.42-36.46	A	0.000	0.000	0.000	0.000	1.35
		B	0.000	0.000	4.424	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.13
L5	36.46-0.00	A	0.000	0.000	0.000	0.000	1.05

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
		B	0.000	0.000	3.290	0.000	0.06
		C	0.000	0.000	0.000	0.000	0.11

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	160.00-152.00	A	0.993	0.000	0.000	0.000	0.000	0.08
		B		0.000	0.000	4.041	0.000	0.05
		C		0.000	0.000	0.000	0.000	0.00
L2	152.00-111.29	A	0.976	0.000	0.000	0.000	0.000	1.18
		B		0.000	0.000	20.285	0.000	0.23
		C		0.000	0.000	0.000	0.000	0.02
L3	111.29-77.42	A	0.944	0.000	0.000	0.000	0.000	1.11
		B		0.000	0.000	16.877	0.000	0.19
		C		0.000	0.000	0.000	0.000	0.09
L4	77.42-36.46	A	0.898	0.000	0.000	0.000	0.000	1.35
		B		0.000	0.000	19.889	0.000	0.22
		C		0.000	0.000	0.000	0.000	0.13
L5	36.46-0.00	A	0.799	0.000	0.000	0.000	0.000	1.05
		B		0.000	0.000	14.226	0.000	0.16
		C		0.000	0.000	0.000	0.000	0.11

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	160.00-152.00	0.7299	-0.4214	1.7814	-1.0285
L2	152.00-111.29	0.7338	-0.4237	1.8056	-1.0425
L3	111.29-77.42	0.7377	-0.4259	1.8543	-1.0706
L4	77.42-36.46	0.7406	-0.4276	1.8474	-1.0666
L5	36.46-0.00	0.6170	-0.3562	1.5162	-0.8754

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	3	Safety Line 3/8"	152.00 - 160.00	1.0000	1.0000
L1	4	Climbing Pegs	152.00 - 160.00	1.0000	1.0000
L2	3	Safety Line 3/8"	111.29 - 152.00	1.0000	1.0000
L2	4	Climbing Pegs	111.29 - 152.00	1.0000	1.0000
L3	3	Safety Line 3/8"	77.42 - 111.29	1.0000	1.0000
L3	4	Climbing Pegs	77.42 - 111.29	1.0000	1.0000
L4	3	Safety Line 3/8"	36.46 - 77.42	1.0000	1.0000
L4	4	Climbing Pegs	36.46 - 77.42	1.0000	1.0000
L5	3	Safety Line 3/8"	6.00 - 36.46	1.0000	1.0000
L5	4	Climbing Pegs	6.00 - 36.46	1.0000	1.0000

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
*******									
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice	5.19 5.59 6.02	2.71 3.04 3.38	0.13 0.17 0.23
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice	5.19 5.59 6.02	2.71 3.04 3.38	0.13 0.17 0.23
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice	5.19 5.59 6.02	2.71 3.04 3.38	0.13 0.17 0.23
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.00 0.00 3.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice	3.76 4.12 4.48	3.15 3.49 3.84	0.19 0.25 0.32
AIR 32 B2A/B66AA w/ Mount Pipe	B	From Leg	4.00 0.00 3.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice	3.76 4.12 4.48	3.15 3.49 3.84	0.19 0.25 0.32
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Leg	4.00 0.00 3.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice	3.76 4.12 4.48	3.15 3.49 3.84	0.19 0.25 0.32
SDX1926Q-43	A	From Leg	4.00 0.00 3.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice	0.24 0.31 0.38	0.10 0.14 0.19	0.01 0.01 0.01
SDX1926Q-43	B	From Leg	4.00 0.00 3.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice	0.24 0.31 0.38	0.10 0.14 0.19	0.01 0.01 0.01
SDX1926Q-43	C	From Leg	4.00 0.00 3.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice	0.24 0.31 0.38	0.10 0.14 0.19	0.01 0.01 0.01
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00 0.00 3.00	0.0000	160.00	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 3.00	0.0000	160.00	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 3.00	0.0000	160.00	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
RRUS 4415 B25	A	From Leg	4.00	0.0000	160.00	No Ice	1.64	0.68	0.04

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"	1.80	0.79	0.06
			3.00			Ice	1.97	0.91	0.07
						1" Ice			
RRUS 4415 B25	B	From Leg	4.00	0.0000	160.00	No Ice	1.64	0.68	0.04
			0.00			1/2"	1.80	0.79	0.06
			3.00			Ice	1.97	0.91	0.07
						1" Ice			
RRUS 4415 B25	C	From Leg	4.00	0.0000	160.00	No Ice	1.64	0.68	0.04
			0.00			1/2"	1.80	0.79	0.06
			3.00			Ice	1.97	0.91	0.07
						1" Ice			
ATMAA1412D-1A20	A	From Leg	4.00	0.0000	160.00	No Ice	0.41	1.00	0.01
			0.00			1/2"	0.50	1.13	0.02
			3.00			Ice	0.59	1.26	0.03
						1" Ice			
ATMAA1412D-1A20	B	From Leg	4.00	0.0000	160.00	No Ice	0.41	1.00	0.01
			0.00			1/2"	0.50	1.13	0.02
			3.00			Ice	0.59	1.26	0.03
						1" Ice			
ATMAA1412D-1A20	C	From Leg	4.00	0.0000	160.00	No Ice	0.41	1.00	0.01
			0.00			1/2"	0.50	1.13	0.02
			3.00			Ice	0.59	1.26	0.03
						1" Ice			
8' x 2" Mount Pipe	A	From Leg	4.00	0.0000	160.00	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			
8' x 2" Mount Pipe	B	From Leg	4.00	0.0000	160.00	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			
8' x 2" Mount Pipe	C	From Leg	4.00	0.0000	160.00	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			
Platform Mount [LP 602-1]	C	None		0.0000	160.00	No Ice	31.07	31.07	1.34
						1/2"	34.82	34.82	1.97
						Ice	38.48	38.48	2.67
						1" Ice			
******									
RRUS 11	A	From Leg	2.00	0.0000	152.00	No Ice	2.78	1.19	0.05
			0.00			1/2"	2.99	1.33	0.07
			0.00			Ice	3.21	1.49	0.09
						1" Ice			
RRUS 11	B	From Leg	2.00	0.0000	152.00	No Ice	2.78	1.19	0.05
			0.00			1/2"	2.99	1.33	0.07
			0.00			Ice	3.21	1.49	0.09
						1" Ice			
RRUS 11	C	From Leg	2.00	0.0000	152.00	No Ice	2.78	1.19	0.05
			0.00			1/2"	2.99	1.33	0.07
			0.00			Ice	3.21	1.49	0.09
						1" Ice			
RRUS 32 B2	A	From Leg	2.00	0.0000	152.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			0.00			Ice	3.18	2.05	0.10
						1" Ice			
RRUS 32 B2	B	From Leg	2.00	0.0000	152.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			0.00			Ice	3.18	2.05	0.10
						1" Ice			
RRUS 32 B2	C	From Leg	2.00	0.0000	152.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			0.00			Ice	3.18	2.05	0.10
						1" Ice			
(2) 6' x 2" Mount Pipe	A	From Leg	2.00	0.0000	152.00	No Ice	1.43	1.43	0.02

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	1.92	1.92	0.03
			0.00				1" Ice	2.29	2.29	0.05
(2) 6' x 2" Mount Pipe	B	From Leg	2.00		0.0000	152.00	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
(2) 6' x 2" Mount Pipe	C	From Leg	2.00		0.0000	152.00	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
Side Arm Mount [SO 102-3]	C	None			0.0000	152.00	No Ice	3.60	3.60	0.07
							1/2" Ice	4.18	4.18	0.11
							1" Ice	4.75	4.75	0.14
******										
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Leg	4.00		0.0000	150.00	No Ice	9.22	6.25	0.07
			0.00				1/2" Ice	9.98	6.96	0.14
			2.00				1" Ice	10.76	7.70	0.22
HPA-65R-BUU-H6 w/ Mount Pipe	B	From Leg	4.00		0.0000	150.00	No Ice	9.22	6.25	0.07
			0.00				1/2" Ice	9.98	6.96	0.14
			2.00				1" Ice	10.76	7.70	0.22
HPA-65R-BUU-H6 w/ Mount Pipe	C	From Leg	4.00		0.0000	150.00	No Ice	9.22	6.25	0.07
			0.00				1/2" Ice	9.98	6.96	0.14
			2.00				1" Ice	10.76	7.70	0.22
7770.00 w/ Mount Pipe	A	From Leg	4.00		0.0000	150.00	No Ice	3.39	2.32	0.06
			0.00				1/2" Ice	3.75	2.66	0.10
			2.00				1" Ice	4.12	3.02	0.15
7770.00 w/ Mount Pipe	B	From Leg	4.00		0.0000	150.00	No Ice	3.39	2.32	0.06
			0.00				1/2" Ice	3.75	2.66	0.10
			2.00				1" Ice	4.12	3.02	0.15
7770.00 w/ Mount Pipe	C	From Leg	4.00		0.0000	150.00	No Ice	3.39	2.32	0.06
			0.00				1/2" Ice	3.75	2.66	0.10
			2.00				1" Ice	4.12	3.02	0.15
QS66512-2 w/ Mount Pipe	A	From Leg	4.00		0.0000	150.00	No Ice	4.04	4.18	0.14
			0.00				1/2" Ice	4.42	4.57	0.21
			2.00				1" Ice	4.82	4.97	0.29
QS66512-2 w/ Mount Pipe	B	From Leg	4.00		0.0000	150.00	No Ice	4.04	4.18	0.14
			0.00				1/2" Ice	4.42	4.57	0.21
			2.00				1" Ice	4.82	4.97	0.29
QS66512-2 w/ Mount Pipe	C	From Leg	4.00		0.0000	150.00	No Ice	4.04	4.18	0.14
			0.00				1/2" Ice	4.42	4.57	0.21
			2.00				1" Ice	4.82	4.97	0.29
RRUS 32	A	From Leg	4.00		0.0000	150.00	No Ice	2.86	1.78	0.06
			0.00				1/2" Ice	3.08	1.97	0.08
			2.00				1" Ice	3.32	2.17	0.10
RRUS 32	B	From Leg	4.00		0.0000	150.00	No Ice	2.86	1.78	0.06
			0.00				1/2" Ice	3.08	1.97	0.08
			2.00				1" Ice	3.32	2.17	0.10
RRUS 32	C	From Leg	4.00		0.0000	150.00	No Ice	2.86	1.78	0.06
			0.00				1/2" Ice	3.08	1.97	0.08
			2.00				1" Ice	3.32	2.17	0.10
RADIO 4426	A	From Leg	4.00		0.0000	150.00	No Ice	1.64	0.73	0.05

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"	1.80	0.84	0.06
			2.00			Ice	1.97	0.97	0.08
						1" Ice			
RADIO 4426	B	From Leg	4.00	0.0000	150.00	No Ice	1.64	0.73	0.05
			0.00			1/2"	1.80	0.84	0.06
			2.00			Ice	1.97	0.97	0.08
						1" Ice			
RADIO 4426	C	From Leg	4.00	0.0000	150.00	No Ice	1.64	0.73	0.05
			0.00			1/2"	1.80	0.84	0.06
			2.00			Ice	1.97	0.97	0.08
						1" Ice			
DBC0061F1V51-2	A	From Leg	4.00	0.0000	150.00	No Ice	0.43	0.41	0.03
			0.00			1/2"	0.51	0.50	0.03
			2.00			Ice	0.61	0.59	0.04
						1" Ice			
DBC0061F1V51-2	B	From Leg	4.00	0.0000	150.00	No Ice	0.43	0.41	0.03
			0.00			1/2"	0.51	0.50	0.03
			2.00			Ice	0.61	0.59	0.04
						1" Ice			
DBC0061F1V51-2	C	From Leg	4.00	0.0000	150.00	No Ice	0.43	0.41	0.03
			0.00			1/2"	0.51	0.50	0.03
			2.00			Ice	0.61	0.59	0.04
						1" Ice			
(2) LGP21401	A	From Leg	4.00	0.0000	150.00	No Ice	1.10	0.21	0.01
			0.00			1/2"	1.24	0.27	0.02
			2.00			Ice	1.38	0.35	0.03
						1" Ice			
(2) LGP21401	B	From Leg	4.00	0.0000	150.00	No Ice	1.10	0.21	0.01
			0.00			1/2"	1.24	0.27	0.02
			2.00			Ice	1.38	0.35	0.03
						1" Ice			
(2) LGP21401	C	From Leg	4.00	0.0000	150.00	No Ice	1.10	0.21	0.01
			0.00			1/2"	1.24	0.27	0.02
			2.00			Ice	1.38	0.35	0.03
						1" Ice			
DC6-48-60-18-8F	A	From Leg	4.00	0.0000	150.00	No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
			2.00			Ice	1.64	1.64	0.06
						1" Ice			
DC6-48-60-18-8C	B	From Leg	4.00	0.0000	150.00	No Ice	2.74	2.74	0.03
			0.00			1/2"	2.96	2.96	0.05
			2.00			Ice	3.20	3.20	0.08
						1" Ice			
Platform Mount [LP 602-1]	C	None		0.0000	150.00	No Ice	31.07	31.07	1.34
						1/2"	34.82	34.82	1.97
						Ice	38.48	38.48	2.67
						1" Ice			
******									
(2) JAHH-65B-R3B	A	From Leg	4.00	0.0000	140.00	No Ice	5.29	3.05	0.06
			0.00			1/2"	5.75	3.48	0.12
			1.00			Ice	6.22	3.93	0.19
						1" Ice			
(2) JAHH-65B-R3B	B	From Leg	4.00	0.0000	140.00	No Ice	5.29	3.05	0.06
			0.00			1/2"	5.75	3.48	0.12
			1.00			Ice	6.22	3.93	0.19
						1" Ice			
(2) JAHH-65B-R3B	C	From Leg	4.00	0.0000	140.00	No Ice	5.29	3.05	0.06
			0.00			1/2"	5.75	3.48	0.12
			1.00			Ice	6.22	3.93	0.19
						1" Ice			
CBRS w/ Mount Pipe	A	From Leg	4.00	0.0000	140.00	No Ice	1.45	0.99	0.03
			0.00			1/2"	1.67	1.18	0.05
			1.00			Ice	1.90	1.39	0.07
						1" Ice			
CBRS w/ Mount Pipe	B	From Leg	4.00	0.0000	140.00	No Ice	1.45	0.99	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" Ice	1.67	1.18	0.05
			1.00			1" Ice	1.90	1.39	0.07
CBRS w/ Mount Pipe	C	From Leg	4.00	0.0000	140.00	No Ice	1.45	0.99	0.03
			0.00			1/2" Ice	1.67	1.18	0.05
			1.00			1" Ice	1.90	1.39	0.07
RC2DC-3315-PF-48	A	From Leg	4.00	0.0000	140.00	No Ice	3.79	2.51	0.03
			0.00			1/2" Ice	4.04	2.72	0.06
			1.00			1" Ice	4.30	2.94	0.10
RC2DC-3315-PF-48	C	From Leg	4.00	0.0000	140.00	No Ice	3.79	2.51	0.03
			0.00			1/2" Ice	4.04	2.72	0.06
			1.00			1" Ice	4.30	2.94	0.10
(3) RFV01U-D1A	A	From Leg	4.00	0.0000	140.00	No Ice	1.88	1.25	0.08
			0.00			1/2" Ice	2.05	1.39	0.10
			1.00			1" Ice	2.22	1.54	0.12
RFV01U-D2A	A	From Leg	4.00	0.0000	140.00	No Ice	1.88	1.01	0.07
			0.00			1/2" Ice	2.05	1.14	0.09
			1.00			1" Ice	2.22	1.28	0.11
(2) RFV01U-D2A	B	From Leg	4.00	0.0000	140.00	No Ice	1.88	1.01	0.07
			0.00			1/2" Ice	2.05	1.14	0.09
			1.00			1" Ice	2.22	1.28	0.11
Side by Side Mounting Kit	A	From Leg	4.00	0.0000	140.00	No Ice	2.38	2.38	0.04
			0.00			1/2" Ice	3.40	3.40	0.05
			0.00			1" Ice	4.45	4.45	0.08
Side by Side Mounting Kit	B	From Leg	4.00	0.0000	140.00	No Ice	2.38	2.38	0.04
			0.00			1/2" Ice	3.40	3.40	0.05
			0.00			1" Ice	4.45	4.45	0.08
Side by Side Mounting Kit	C	From Leg	4.00	0.0000	140.00	No Ice	2.38	2.38	0.04
			0.00			1/2" Ice	3.40	3.40	0.05
			0.00			1" Ice	4.45	4.45	0.08
8' x 2" Mount Pipe	A	From Leg	4.00	0.0000	140.00	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
8' x 2" Mount Pipe	B	From Leg	4.00	0.0000	140.00	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
8' x 2" Mount Pipe	C	From Leg	4.00	0.0000	140.00	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 602-1]	C	None		0.0000	140.00	No Ice	31.07	31.07	1.34
						1/2" Ice	34.82	34.82	1.97
						1" Ice	38.48	38.48	2.67
***									
MT6407-77A w/ Mount Pipe	A	From Leg	4.00	0.0000	140.00	No Ice	5.94	3.10	0.10
			0.00			1/2" Ice	6.47	3.55	0.13
			1.00			1" Ice	7.02	4.02	0.18
MT6407-77A w/ Mount Pipe	B	From Leg	4.00	0.0000	140.00	No Ice	5.94	3.10	0.10
			0.00			1/2" Ice	6.47	3.55	0.13
			1.00			1" Ice	7.02	4.02	0.18
MT6407-77A w/ Mount	C	From Leg	4.00	0.0000	140.00	No Ice	5.94	3.10	0.10

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
Pipe			0.00			1/2"	6.47	3.55	0.13
			1.00			Ice	7.02	4.02	0.18
						1" Ice			
CBC78T-DS-43-2X	A	From Leg	4.00	0.0000	140.00	No Ice	0.37	0.51	0.02
			0.00			1/2"	0.45	0.60	0.03
			1.00			Ice	0.53	0.70	0.04
						1" Ice			
(2) CBC78T-DS-43-2X	B	From Leg	4.00	0.0000	140.00	No Ice	0.37	0.51	0.02
			0.00			1/2"	0.45	0.60	0.03
			1.00			Ice	0.53	0.70	0.04
						1" Ice			
TD-850AB-LTE15-43	A	From Leg	4.00	0.0000	140.00	No Ice	1.80	0.68	0.05
			0.00			1/2"	1.97	0.80	0.06
			1.00			Ice	2.14	0.92	0.08
						1" Ice			
TD-850AB-LTE15-43	B	From Leg	4.00	0.0000	140.00	No Ice	1.80	0.68	0.05
			0.00			1/2"	1.97	0.80	0.06
			1.00			Ice	2.14	0.92	0.08
						1" Ice			
TD-850AB-LTE15-43	C	From Leg	4.00	0.0000	140.00	No Ice	1.80	0.68	0.05
			0.00			1/2"	1.97	0.80	0.06
			1.00			Ice	2.14	0.92	0.08
						1" Ice			
BSF0020F3V1	A	From Leg	4.00	0.0000	140.00	No Ice	0.96	0.29	0.02
			0.00			1/2"	1.09	0.36	0.02
			1.00			Ice	1.22	0.45	0.03
						1" Ice			
OVP Pipe [#VZWSMART-P40-238x048	A	From Leg	1.00	0.0000	140.00	No Ice	0.79	0.79	0.03
			0.00			1/2"	1.03	1.03	0.04
			0.00			Ice	1.28	1.28	0.04
						1" Ice			
OVP Pipe [#VZWSMART-P40-238x048	B	From Leg	1.00	0.0000	140.00	No Ice	0.79	0.79	0.03
			0.00			1/2"	1.03	1.03	0.04
			0.00			Ice	1.28	1.28	0.04
						1" Ice			
Collar Mount [#VZWSMART-PLK7]	C	None		0.0000	140.00	No Ice	3.60	3.60	0.15
						1/2"	4.18	4.18	0.20
						Ice	4.75	4.75	0.24
						1" Ice			
Kicker Kit [#VZWSMART-PLK5]	C	None		0.0000	140.00	No Ice	11.84	11.84	0.29
						1/2"	16.96	16.96	0.38
						Ice	22.08	22.08	0.47
						1" Ice			
***									
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.00	0.0000	120.00	No Ice	4.09	2.86	0.08
			0.00			1/2"	4.48	3.23	0.13
			0.00			Ice	4.88	3.61	0.19
						1" Ice			
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.00	0.0000	120.00	No Ice	4.09	2.86	0.08
			0.00			1/2"	4.48	3.23	0.13
			0.00			Ice	4.88	3.61	0.19
						1" Ice			
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.00	0.0000	120.00	No Ice	4.09	2.86	0.08
			0.00			1/2"	4.48	3.23	0.13
			0.00			Ice	4.88	3.61	0.19
						1" Ice			
APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	4.00	0.0000	120.00	No Ice	4.60	4.01	0.10
			0.00			1/2"	5.05	4.45	0.16
			0.00			Ice	5.50	4.89	0.23
						1" Ice			
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.00	0.0000	120.00	No Ice	4.60	4.01	0.10
			0.00			1/2"	5.05	4.45	0.16
			0.00			Ice	5.50	4.89	0.23
						1" Ice			
APXVSPP18-C-A20 w/	C	From Leg	4.00	0.0000	120.00	No Ice	4.60	4.01	0.10

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
Mount Pipe			0.00			1/2"	5.05	4.45	0.16
			0.00			Ice	5.50	4.89	0.23
						1" Ice			
TD-RRH8X20-25	A	From Leg	4.00	0.0000	120.00	No Ice	3.70	1.29	0.07
			0.00			1/2"	3.95	1.46	0.09
			0.00			Ice	4.20	1.64	0.12
						1" Ice			
TD-RRH8X20-25	B	From Leg	4.00	0.0000	120.00	No Ice	3.70	1.29	0.07
			0.00			1/2"	3.95	1.46	0.09
			0.00			Ice	4.20	1.64	0.12
						1" Ice			
TD-RRH8X20-25	C	From Leg	4.00	0.0000	120.00	No Ice	3.70	1.29	0.07
			0.00			1/2"	3.95	1.46	0.09
			0.00			Ice	4.20	1.64	0.12
						1" Ice			
(2) 8' x 2" Mount Pipe	A	From Leg	4.00	0.0000	120.00	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	B	From Leg	4.00	0.0000	120.00	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	120.00	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			
Platform Mount [LP 602-1]	C	None		0.0000	120.00	No Ice	31.07	31.07	1.34
						1/2"	34.82	34.82	1.97
						Ice	38.48	38.48	2.67
						1" Ice			
***									
800MHZ RRH	A	From Leg	2.00	0.0000	119.00	No Ice	2.13	1.77	0.05
			0.00			1/2"	2.32	1.95	0.07
			0.00			Ice	2.51	2.13	0.10
						1" Ice			
800MHZ RRH	B	From Leg	2.00	0.0000	119.00	No Ice	2.13	1.77	0.05
			0.00			1/2"	2.32	1.95	0.07
			0.00			Ice	2.51	2.13	0.10
						1" Ice			
800MHZ RRH	C	From Leg	2.00	0.0000	119.00	No Ice	2.13	1.77	0.05
			0.00			1/2"	2.32	1.95	0.07
			0.00			Ice	2.51	2.13	0.10
						1" Ice			
1900MHZ RRH	A	From Leg	2.00	0.0000	119.00	No Ice	2.49	3.26	0.04
			0.00			1/2"	2.70	3.48	0.08
			0.00			Ice	2.91	3.72	0.11
						1" Ice			
1900MHZ RRH	B	From Leg	2.00	0.0000	119.00	No Ice	2.49	3.26	0.04
			0.00			1/2"	2.70	3.48	0.08
			0.00			Ice	2.91	3.72	0.11
						1" Ice			
1900MHZ RRH	C	From Leg	2.00	0.0000	119.00	No Ice	2.49	3.26	0.04
			0.00			1/2"	2.70	3.48	0.08
			0.00			Ice	2.91	3.72	0.11
						1" Ice			
(2) 6' x 2" Mount Pipe	A	From Leg	2.00	0.0000	119.00	No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
						1" Ice			
(2) 6' x 2" Mount Pipe	B	From Leg	2.00	0.0000	119.00	No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			0.00			Ice	2.29	2.29	0.05
						1" Ice			
(2) 6' x 2" Mount Pipe	C	From Leg	2.00	0.0000	119.00	No Ice	1.43	1.43	0.02

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 0.00			1/2" Ice 1" Ice	1.92 2.29	1.92 2.29	0.03 0.05
Side Arm Mount [SO 102-3]	C	None		0.0000	119.00	No Ice 1/2" Ice 1" Ice	3.60 4.18 4.75	3.60 4.18 4.75	0.07 0.11 0.14
***									
(2) GPS_A	B	From Leg	3.00 0.00 1.00	0.0000	72.00	No Ice 1/2" Ice 1" Ice	0.26 0.32 0.39	0.26 0.32 0.39	0.00 0.00 0.01
(2) 3' x 2" Pipe Mount	B	From Leg	3.00 0.00 0.00	0.0000	72.00	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 601-1]	B	From Leg	1.50 0.00 0.00	0.0000	72.00	No Ice 1/2" Ice 1" Ice	1.04 1.41 1.78	5.32 6.43 7.67	0.16 0.20 0.24
**********									

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

Comb. No.	Description
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	160 - 152	Pole	Max Tension	26	0.00	0.00	-0.00
			Max. Compression	26	-8.24	-0.06	0.04
			Max. Mx	8	-4.42	-43.53	0.02
			Max. My	2	-4.42	-0.03	43.53
			Max. Vy	8	4.79	-43.53	0.02
			Max. Vx	2	-4.79	-0.03	43.53
			Max. Torque	24			0.00
L2	152 - 111.29	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-36.09	-1.93	3.21
			Max. Mx	8	-20.30	-514.39	1.91
			Max. My	2	-20.29	-1.20	517.54
			Max. Vy	8	19.15	-514.39	1.91
			Max. Vx	2	-19.25	-1.20	517.54
			Max. Torque	11			0.90
L3	111.29 - 77.42	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.61	-2.31	3.46
			Max. Mx	8	-28.02	-1194.59	1.98
			Max. My	2	-28.02	-1.33	1201.00
			Max. Vy	8	21.87	-1194.59	1.98
			Max. Vx	2	-21.97	-1.33	1201.00
			Max. Torque	11			0.90
L4	77.42 - 36.46	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-62.13	-3.79	3.08
			Max. Mx	8	-42.10	-2140.36	3.29
			Max. My	2	-42.09	-3.75	2151.47
			Max. Vy	8	25.15	-2140.36	3.29
			Max. Vx	2	-25.32	-3.75	2151.47
			Max. Torque	13			1.20
L5	36.46 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-84.19	-4.20	3.32
			Max. Mx	8	-61.66	-3300.20	5.80
			Max. My	2	-61.66	-6.34	3318.28
			Max. Vy	8	28.01	-3300.20	5.80
			Max. Vx	2	-28.17	-6.34	3318.28
			Max. Torque	13			1.20

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	28	84.19	-3.87	6.72
	Max. H_x	20	61.67	27.98	-0.05
	Max. H_z	2	61.67	-0.05	28.14
	Max. M_x	2	3318.28	-0.05	28.14
	Max. M_z	8	3300.20	-27.98	0.05
	Max. Torsion	13	1.20	-13.94	-24.35
	Min. Vert	23	46.25	24.21	14.02
	Min. H_x	8	61.67	-27.98	0.05
	Min. H_z	14	61.67	0.05	-28.14
	Min. M_x	14	-3314.42	0.05	-28.14
	Min. M_z	20	-3295.25	27.98	-0.05
	Min. Torsion	25	-1.20	13.94	24.35

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	51.39	0.00	0.00	-1.53	-1.97	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	61.67	0.05	-28.14	-3318.28	-6.34	1.18
0.9 Dead+1.0 Wind 0 deg - No Ice	46.25	0.05	-28.14	-3286.50	-5.68	1.18
1.2 Dead+1.0 Wind 30 deg - No Ice	61.67	14.04	-24.40	-2875.92	-1654.68	0.85
0.9 Dead+1.0 Wind 30 deg - No Ice	46.25	14.04	-24.40	-2848.31	-1638.46	0.85
1.2 Dead+1.0 Wind 60 deg - No Ice	61.67	24.26	-14.12	-1663.47	-2860.32	0.30
0.9 Dead+1.0 Wind 60 deg - No Ice	46.25	24.26	-14.12	-1647.30	-2832.72	0.29
1.2 Dead+1.0 Wind 90 deg - No Ice	61.67	27.98	-0.05	-5.80	-3300.20	-0.34
0.9 Dead+1.0 Wind 90 deg - No Ice	46.25	27.98	-0.05	-5.27	-3268.45	-0.35
1.2 Dead+1.0 Wind 120 deg - No Ice	61.67	24.21	14.02	1652.91	-2856.46	-0.88
0.9 Dead+1.0 Wind 120 deg - No Ice	46.25	24.21	14.02	1637.79	-2828.88	-0.90
1.2 Dead+1.0 Wind 150 deg - No Ice	61.67	13.94	24.35	2868.19	-1647.99	-1.19
0.9 Dead+1.0 Wind 150 deg - No Ice	46.25	13.94	24.35	2841.62	-1631.80	-1.20
1.2 Dead+1.0 Wind 180 deg - No Ice	61.67	-0.05	28.14	3314.42	1.39	-1.18
0.9 Dead+1.0 Wind 180 deg - No Ice	46.25	-0.05	28.14	3283.66	2.02	-1.18
1.2 Dead+1.0 Wind 210 deg - No Ice	61.67	-14.04	24.40	2872.06	1649.74	-0.85
0.9 Dead+1.0 Wind 210 deg - No Ice	46.25	-14.04	24.40	2845.47	1634.81	-0.85
1.2 Dead+1.0 Wind 240 deg - No Ice	61.67	-24.26	14.12	1659.60	2855.38	-0.29
0.9 Dead+1.0 Wind 240 deg - No Ice	46.25	-24.26	14.12	1644.45	2829.07	-0.28
1.2 Dead+1.0 Wind 270 deg - No Ice	61.67	-27.98	0.05	1.93	3295.25	0.34
0.9 Dead+1.0 Wind 270 deg - No Ice	46.25	-27.98	0.05	2.42	3264.79	0.35
1.2 Dead+1.0 Wind 300 deg - No Ice	61.67	-24.21	-14.02	-1656.77	2851.51	0.88
0.9 Dead+1.0 Wind 300 deg - No Ice	46.25	-24.21	-14.02	-1640.64	2825.22	0.89
1.2 Dead+1.0 Wind 330 deg - No Ice	61.67	-13.94	-24.35	-2872.06	1643.04	1.19
0.9 Dead+1.0 Wind 330 deg - No Ice	46.25	-13.94	-24.35	-2844.47	1628.14	1.20
1.2 Dead+1.0 Ice+1.0 Temp	84.19	0.00	-0.00	-3.32	-4.20	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	84.19	0.01	-7.75	-899.24	-5.36	0.31
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	84.19	3.87	-6.72	-779.72	-451.07	0.23
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	84.19	6.69	-3.89	-452.21	-777.09	0.09
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	84.19	7.72	-0.01	-4.45	-896.06	-0.07
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	84.19	6.68	3.87	443.57	-776.10	-0.22
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	84.19	3.85	6.71	771.81	-449.36	-0.30
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	84.19	-0.01	7.75	892.32	-3.38	-0.31
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	84.19	-3.87	6.72	772.80	442.33	-0.23
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	84.19	-6.69	3.89	445.29	768.35	-0.09
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	84.19	-7.72	0.01	-2.47	887.32	0.07
1.2 Dead+1.0 Wind 300 deg+1.0	84.19	-6.68	-3.87	-450.49	767.36	0.22

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
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330 deg+1.0	84.19	-3.85	-6.71	-778.73	440.62	0.30
Ice+1.0 Temp						
Dead+Wind 0 deg - Service	51.39	0.01	-7.09	-832.55	-3.02	0.30
Dead+Wind 30 deg - Service	51.39	3.54	-6.15	-721.71	-416.03	0.21
Dead+Wind 60 deg - Service	51.39	6.11	-3.56	-417.92	-718.11	0.07
Dead+Wind 90 deg - Service	51.39	7.05	-0.01	-2.57	-828.33	-0.09
Dead+Wind 120 deg - Service	51.39	6.10	3.53	413.04	-717.14	-0.23
Dead+Wind 150 deg - Service	51.39	3.51	6.14	717.54	-414.35	-0.31
Dead+Wind 180 deg - Service	51.39	-0.01	7.09	829.35	-1.08	-0.30
Dead+Wind 210 deg - Service	51.39	-3.54	6.15	718.51	411.93	-0.21
Dead+Wind 240 deg - Service	51.39	-6.11	3.56	414.72	714.02	-0.07
Dead+Wind 270 deg - Service	51.39	-7.05	0.01	-0.63	824.23	0.09
Dead+Wind 300 deg - Service	51.39	-6.10	-3.53	-416.23	713.05	0.23
Dead+Wind 330 deg - Service	51.39	-3.51	-6.14	-720.74	410.25	0.31

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	-51.39	0.00	0.00	51.39	0.00	0.000%
2	0.05	-61.67	-28.14	-0.05	61.67	28.14	0.000%
3	0.05	-46.25	-28.14	-0.05	46.25	28.14	0.000%
4	14.04	-61.67	-24.40	-14.04	61.67	24.40	0.000%
5	14.04	-46.25	-24.40	-14.04	46.25	24.40	0.000%
6	24.26	-61.67	-14.12	-24.26	61.67	14.12	0.000%
7	24.26	-46.25	-14.12	-24.26	46.25	14.12	0.000%
8	27.98	-61.67	-0.05	-27.98	61.67	0.05	0.000%
9	27.98	-46.25	-0.05	-27.98	46.25	0.05	0.000%
10	24.21	-61.67	14.02	-24.21	61.67	-14.02	0.000%
11	24.21	-46.25	14.02	-24.21	46.25	-14.02	0.000%
12	13.94	-61.67	24.35	-13.94	61.67	-24.35	0.000%
13	13.94	-46.25	24.35	-13.94	46.25	-24.35	0.000%
14	-0.05	-61.67	28.14	0.05	61.67	-28.14	0.000%
15	-0.05	-46.25	28.14	0.05	46.25	-28.14	0.000%
16	-14.04	-61.67	24.40	14.04	61.67	-24.40	0.000%
17	-14.04	-46.25	24.40	14.04	46.25	-24.40	0.000%
18	-24.26	-61.67	14.12	24.26	61.67	-14.12	0.000%
19	-24.26	-46.25	14.12	24.26	46.25	-14.12	0.000%
20	-27.98	-61.67	0.05	27.98	61.67	-0.05	0.000%
21	-27.98	-46.25	0.05	27.98	46.25	-0.05	0.000%
22	-24.21	-61.67	-14.02	24.21	61.67	14.02	0.000%
23	-24.21	-46.25	-14.02	24.21	46.25	14.02	0.000%
24	-13.94	-61.67	-24.35	13.94	61.67	24.35	0.000%
25	-13.94	-46.25	-24.35	13.94	46.25	24.35	0.000%
26	0.00	-84.19	0.00	-0.00	84.19	0.00	0.000%
27	0.01	-84.19	-7.75	-0.01	84.19	7.75	0.000%
28	3.87	-84.19	-6.72	-3.87	84.19	6.72	0.000%
29	6.69	-84.19	-3.89	-6.69	84.19	3.89	0.000%
30	7.72	-84.19	-0.01	-7.72	84.19	0.01	0.000%
31	6.68	-84.19	3.87	-6.68	84.19	-3.87	0.000%
32	3.85	-84.19	6.71	-3.85	84.19	-6.71	0.000%
33	-0.01	-84.19	7.75	0.01	84.19	-7.75	0.000%
34	-3.87	-84.19	6.72	3.87	84.19	-6.72	0.000%
35	-6.69	-84.19	3.89	6.69	84.19	-3.89	0.000%
36	-7.72	-84.19	0.01	7.72	84.19	-0.01	0.000%
37	-6.68	-84.19	-3.87	6.68	84.19	3.87	0.000%
38	-3.85	-84.19	-6.71	3.85	84.19	6.71	0.000%
39	0.01	-51.39	-7.09	-0.01	51.39	7.09	0.000%
40	3.54	-51.39	-6.15	-3.54	51.39	6.15	0.000%
41	6.11	-51.39	-3.56	-6.11	51.39	3.56	0.000%
42	7.05	-51.39	-0.01	-7.05	51.39	0.01	0.000%
43	6.10	-51.39	3.53	-6.10	51.39	-3.53	0.000%
44	3.51	-51.39	6.14	-3.51	51.39	-6.14	0.000%
45	-0.01	-51.39	7.09	0.01	51.39	-7.09	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
46	-3.54	-51.39	6.15	3.54	51.39	-6.15	0.000%
47	-6.11	-51.39	3.56	6.11	51.39	-3.56	0.000%
48	-7.05	-51.39	0.01	7.05	51.39	-0.01	0.000%
49	-6.10	-51.39	-3.53	6.10	51.39	3.53	0.000%
50	-3.51	-51.39	-6.14	3.51	51.39	6.14	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	4	0.00000001	0.00050405
3	Yes	4	0.00000001	0.00032522
4	Yes	5	0.00000001	0.00050577
5	Yes	5	0.00000001	0.00024507
6	Yes	5	0.00000001	0.00050186
7	Yes	5	0.00000001	0.00024327
8	Yes	4	0.00000001	0.00042337
9	Yes	4	0.00000001	0.00027035
10	Yes	5	0.00000001	0.00048532
11	Yes	5	0.00000001	0.00023523
12	Yes	5	0.00000001	0.00050963
13	Yes	5	0.00000001	0.00024779
14	Yes	4	0.00000001	0.00047329
15	Yes	4	0.00000001	0.00030396
16	Yes	5	0.00000001	0.00049086
17	Yes	5	0.00000001	0.00023836
18	Yes	5	0.00000001	0.00049326
19	Yes	5	0.00000001	0.00023962
20	Yes	4	0.00000001	0.00039595
21	Yes	4	0.00000001	0.00025090
22	Yes	5	0.00000001	0.00050819
23	Yes	5	0.00000001	0.00024712
24	Yes	5	0.00000001	0.00048537
25	Yes	5	0.00000001	0.00023509
26	Yes	4	0.00000001	0.00002554
27	Yes	5	0.00000001	0.00019079
28	Yes	5	0.00000001	0.00021842
29	Yes	5	0.00000001	0.00021792
30	Yes	5	0.00000001	0.00018981
31	Yes	5	0.00000001	0.00021404
32	Yes	5	0.00000001	0.00021488
33	Yes	5	0.00000001	0.00018756
34	Yes	5	0.00000001	0.00021166
35	Yes	5	0.00000001	0.00021145
36	Yes	5	0.00000001	0.00018694
37	Yes	5	0.00000001	0.00021488
38	Yes	5	0.00000001	0.00021475
39	Yes	4	0.00000001	0.00005204
40	Yes	4	0.00000001	0.00021436
41	Yes	4	0.00000001	0.00021082
42	Yes	4	0.00000001	0.00004947
43	Yes	4	0.00000001	0.00019212
44	Yes	4	0.00000001	0.00022040
45	Yes	4	0.00000001	0.00005130
46	Yes	4	0.00000001	0.00019644
47	Yes	4	0.00000001	0.00019877
48	Yes	4	0.00000001	0.00004884
49	Yes	4	0.00000001	0.00021939
50	Yes	4	0.00000001	0.00019221

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 152	16.027	40	0.8725	0.0011
L2	152 - 111.29	14.570	40	0.8652	0.0011
L3	116.71 - 77.42	8.594	40	0.7159	0.0006
L4	83.59 - 36.46	4.326	40	0.4890	0.0004
L5	43.54 - 0	1.182	40	0.2436	0.0001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
160.00	AIR6449 B41_T-MOBILE w/ Mount Pipe	40	16.027	0.8725	0.0011	58354
152.00	RRUS 11	40	14.570	0.8652	0.0011	37505
150.00	HPA-65R-BUU-H6 w/ Mount Pipe	40	14.209	0.8620	0.0011	31070
140.00	(2) JAHH-65B-R3B	40	12.428	0.8346	0.0010	17608
120.00	APXVTM14-ALU-I20 w/ Mount Pipe	40	9.100	0.7361	0.0007	9472
119.00	800MHZ RRH	40	8.945	0.7301	0.0007	9279
72.00	(2) GPS_A	40	3.182	0.4133	0.0003	8617

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 152	63.805	2	3.4696	0.0043
L2	152 - 111.29	58.014	2	3.4408	0.0043
L3	116.71 - 77.42	34.247	2	2.8519	0.0025
L4	83.59 - 36.46	17.241	2	1.9495	0.0014
L5	43.54 - 0	4.708	2	0.9707	0.0006

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
160.00	AIR6449 B41_T-MOBILE w/ Mount Pipe	2	63.805	3.4696	0.0043	14932
152.00	RRUS 11	2	58.014	3.4408	0.0043	9594
150.00	HPA-65R-BUU-H6 w/ Mount Pipe	2	56.576	3.4278	0.0043	7945
140.00	(2) JAHH-65B-R3B	2	49.496	3.3200	0.0039	4489
120.00	APXVTM14-ALU-I20 w/ Mount Pipe	2	36.257	2.9320	0.0027	2408
119.00	800MHZ RRH	2	35.640	2.9080	0.0026	2358
72.00	(2) GPS_A	2	12.681	1.6474	0.0011	2164

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	160 - 152 (1)	TP30.62x29x0.1875	8.00	0.00	0.0	18.1111	-4.42	1059.50	0.004
L2	152 - 111.29 (2)	TP38.86x30.62x0.25	40.71	0.00	0.0	29.7665	-20.29	1741.34	0.012
L3	111.29 - 77.42 (3)	TP45.09x37.263x0.3125	39.29	0.00	0.0	43.1945	-28.02	2526.88	0.011
L4	77.42 - 36.46 (4)	TP52.62x43.2359x0.4375	47.13	0.00	0.0	70.5044	-42.09	4124.51	0.010
L5	36.46 - 0 (5)	TP59x50.3353x0.5	43.54	0.00	0.0	92.8395	-61.66	5431.11	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	160 - 152 (1)	TP30.62x29x0.1875	43.54	701.24	0.062	0.00	701.24	0.000
L2	152 - 111.29 (2)	TP38.86x30.62x0.25	517.54	1472.44	0.351	0.00	1472.44	0.000
L3	111.29 - 77.42 (3)	TP45.09x37.263x0.3125	1201.00	2556.32	0.470	0.00	2556.32	0.000
L4	77.42 - 36.46 (4)	TP52.62x43.2359x0.4375	2151.47	5177.14	0.416	0.00	5177.14	0.000
L5	36.46 - 0 (5)	TP59x50.3353x0.5	3318.29	7835.57	0.423	0.00	7835.57	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	160 - 152 (1)	TP30.62x29x0.1875	4.79	317.85	0.015	0.00	847.11	0.000
L2	152 - 111.29 (2)	TP38.86x30.62x0.25	19.25	522.40	0.037	0.48	1716.19	0.000
L3	111.29 - 77.42 (3)	TP45.09x37.263x0.3125	21.97	758.06	0.029	0.48	2891.07	0.000
L4	77.42 - 36.46 (4)	TP52.62x43.2359x0.4375	25.32	1237.35	0.020	1.18	5501.79	0.000
L5	36.46 - 0 (5)	TP59x50.3353x0.5	28.17	1629.33	0.017	1.18	8347.33	0.000

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	160 - 152 (1)	0.004	0.062	0.000	0.015	0.000	0.066	1.050	4.8.2
L2	152 - 111.29 (2)	0.012	0.351	0.000	0.037	0.000	0.365	1.050	4.8.2
L3	111.29 - 77.42 (3)	0.011	0.470	0.000	0.029	0.000	0.482	1.050	4.8.2

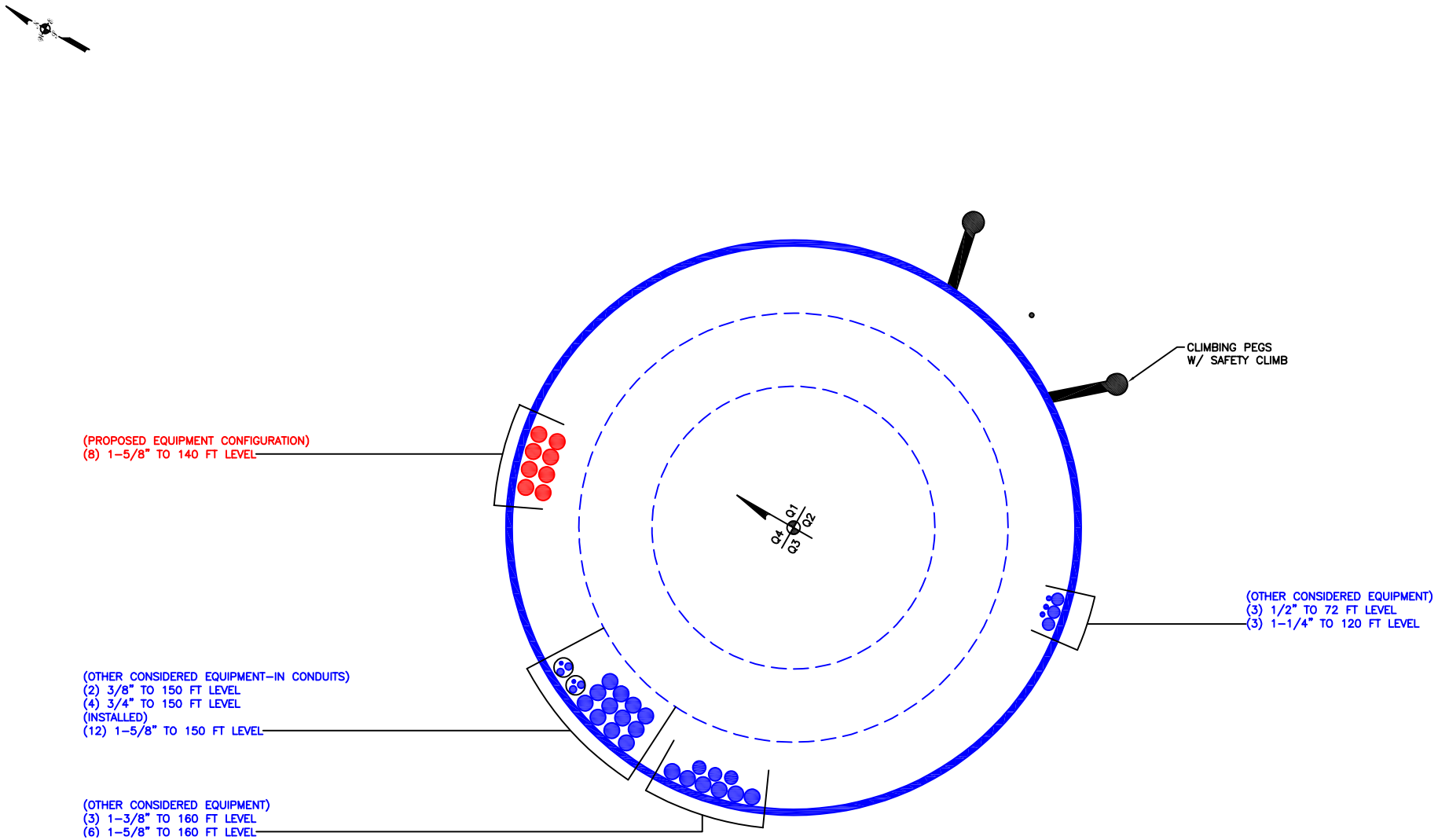
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L4	77.42 - 36.46 (4)	0.010	0.416	0.000	0.020	0.000	0.426	1.050	4.8.2
L5	36.46 - 0 (5)	0.011	0.423	0.000	0.017	0.000	0.435	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	160 - 152	Pole	TP30.62x29x0.1875	1	-4.42	1112.47	6.3	Pass
L2	152 - 111.29	Pole	TP38.86x30.62x0.25	2	-20.29	1828.41	34.7	Pass
L3	111.29 - 77.42	Pole	TP45.09x37.263x0.3125	3	-28.02	2653.22	45.9	Pass
L4	77.42 - 36.46	Pole	TP52.62x43.2359x0.4375	4	-42.09	4330.74	40.6	Pass
L5	36.46 - 0	Pole	TP59x50.3353x0.5	5	-61.66	5702.67	41.4	Pass
							Summary	
						Pole (L3)	45.9	Pass
						RATING =	**45.9**	**Pass**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 841290 TOWER ID:C_BASELEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

Monopole Flange Plate Connection

Elevation = 152 ft.

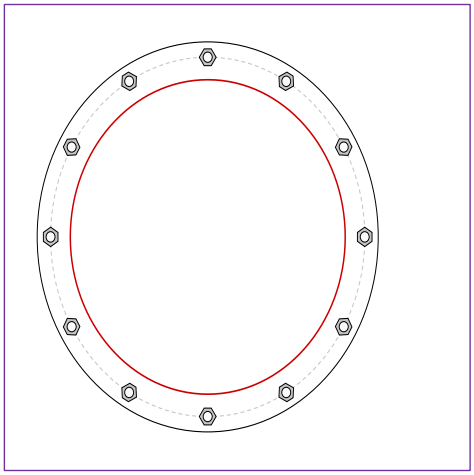
BU #	841290
Site Name	Greenwich North
Order #	654614 Rev.0

TIA-222 Revision	H

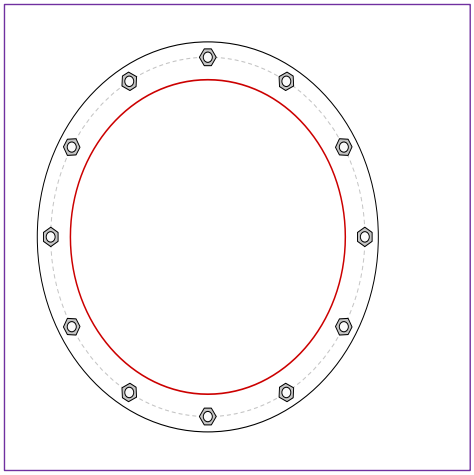
Applied Loads	
Moment (kip-ft)	43.54
Axial Force (kips)	4.42
Shear Force (kips)	4.79

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(12) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 35" BC

Top Plate Data

38" OD x 1" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Bottom Plate Data

38" OD x 1" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

30.62" x 0.1875" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Bottom Pole Data

30.62" x 0.25" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	4.61	
Allowable (kips)	54.54	
Stress Rating:	**8.0%**	Pass

Top Plate Capacity

Max Stress (ksi):	3.89	(Flexural)
Allowable Stress (ksi):	54.00	
Stress Rating:	**6.9%**	Pass
Tension Side Stress Rating:	**2.9%**	Pass

Bottom Plate Capacity

Max Stress (ksi):	3.89	(Flexural)
Allowable Stress (ksi):	54.00	
Stress Rating:	**6.9%**	Pass
Tension Side Stress Rating:	**2.9%**	Pass

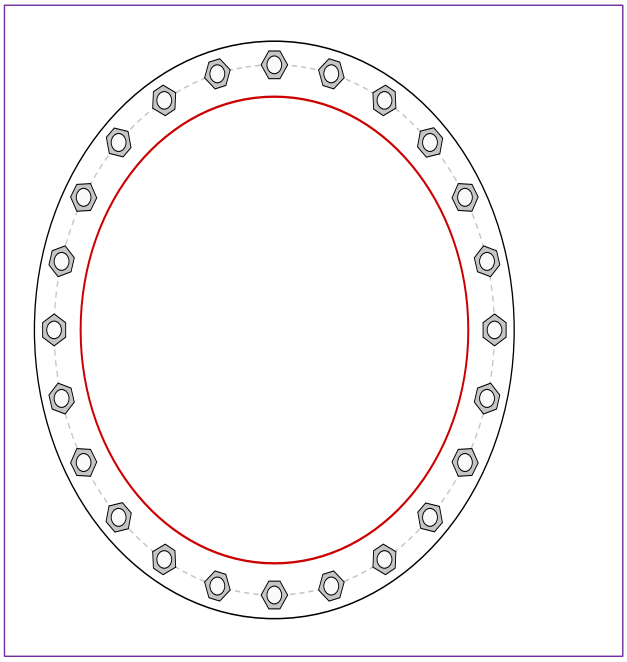
Monopole Base Plate Connection

Site Info	
BU #	841290
Site Name	Greenwich North
Order #	654614 Rev.0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	0.625

Applied Loads	
Moment (kip-ft)	3318.29
Axial Force (kips)	61.66
Shear Force (kips)	28.17

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(24) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 67" BC

Base Plate Data

73" OD x 2.25" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

N/A

Pole Data

59" x 0.5" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary		*(units of kips, kip-in)*
Pu_t = 96.44	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.17	ϕVn = 149.1	**37.7%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary		
Max Stress (ksi):	25.4	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**44.8%**	**Pass**

Pier and Pad Foundation

BU # :	841290
Site Name:	Greenwich North
App. Number:	654614 Rev.0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp}:	61.67	kips
Base Shear, Vu_comp:	28.14	kips
Moment, M_u:	3318.29	ft-kips
Tower Height, **H**:	160	ft
BP Dist. Above Fdn, bp_{dist}:	2.875	in

Pier Properties		
Pier Shape:	Square	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	11	
Pier Rebar Quantity, **mc**:	22	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	6	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	4	in

Pad Properties		
Depth, **D**:	9.5	ft
Pad Width, W_1:	25	ft
Pad Thickness, **T**:	4.5	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	10	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	23	
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 Gross Bearing, Qult:	30.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	34	degrees
SPT Blow Count, N_{blows}:	16	
Base Friction, μ:	0.55	
Neglected Depth, **N**:	5.00	ft
Foundation Bearing on Rock?	Yes	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	578.66	28.14	**4.6%**	**Pass**
Bearing Pressure (ksf)	22.50	3.02	**13.4%**	**Pass**
*Overturning (kip*ft)*	9000.76	3606.43	**40.1%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	5550.02	3473.06	**59.6%**	**Pass**
Pier Compression (kip)	31187.52	110.18	**0.3%**	**Pass**
*Pad Flexure (kip*ft)*	6340.37	1187.00	**17.8%**	**Pass**
Pad Shear - 1-way (kips)	1397.27	151.29	**10.3%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.018	**8.9%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	10196.70	2083.84	**19.5%**	**Pass**

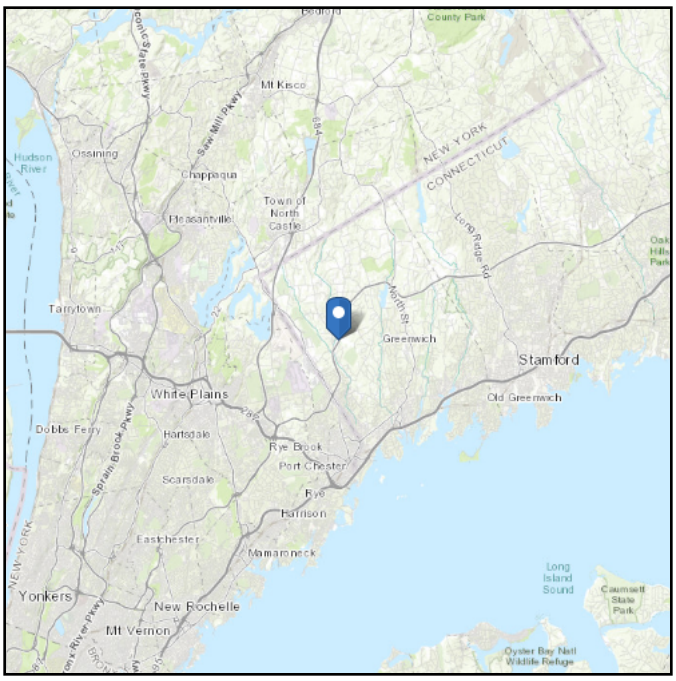
**Rating per TIA-222-H Section 15.5*

Structural Rating*:	**59.6%**
Soil Rating*:	**40.1%**

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Latitude:**	41.066278
Risk Category:	II	**Longitude:**	-73.6715
Soil Class:	D - Stiff Soil	**Elevation:**	223.25246128449845 ft (NAVD 88)



Wind

Results:

Wind Speed	116 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	96 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 Jul 31 2023

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

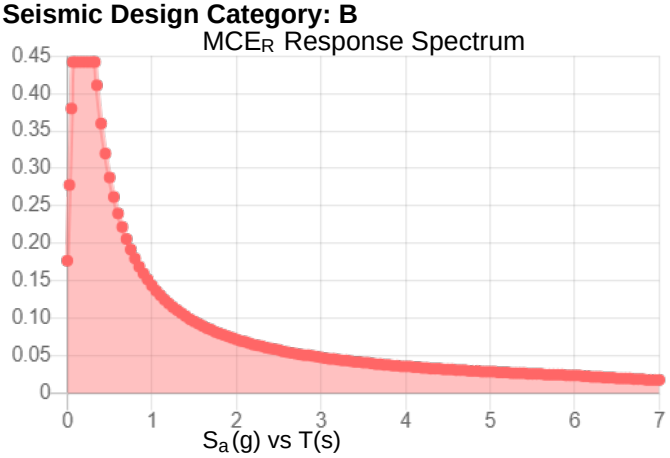
D - Stiff Soil

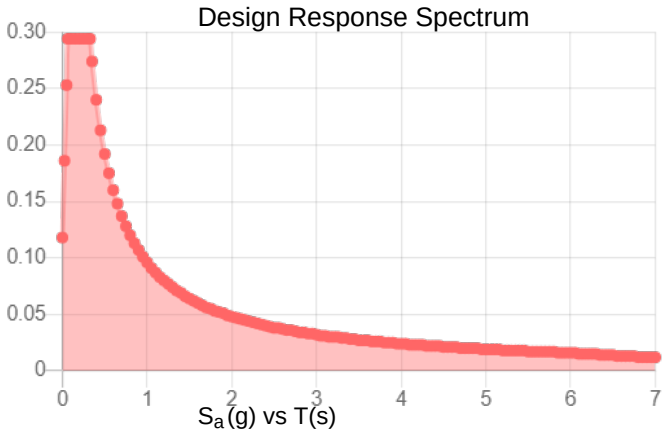
Site Soil Class:

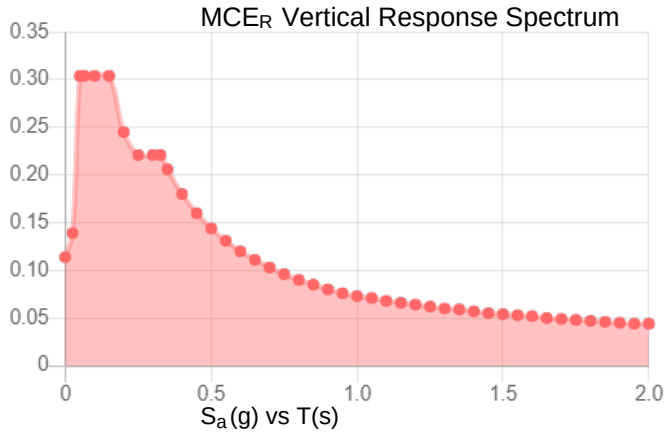
Results:

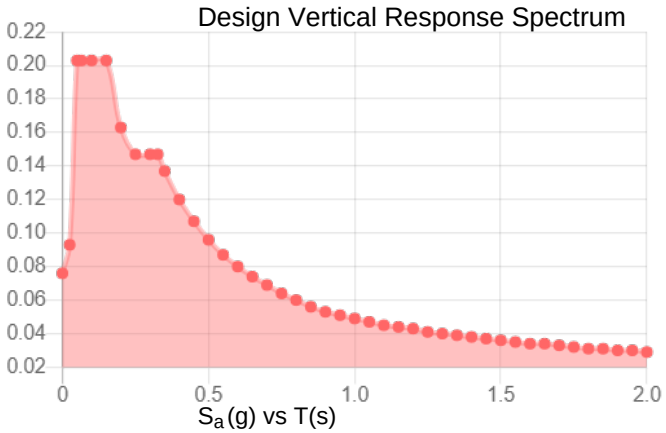
S_S :	0.28	S_{D1} :	0.096
S_1 :	0.06	T_L :	6
F_a :	1.576	PGA :	0.171
F_v :	2.4	PGA_M :	0.25
S_{MS} :	0.442	F_{PGA} :	1.457
S_{M1} :	0.144	I_e :	1
S_{DS} :	0.294	C_v :	0.861

Seismic Design Category: B









Data Accessed: **Mon Jul 31 2023**

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 Jul 31 2023

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.