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

September 12, 2023

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

RE: **Notice of Exempt Modification for Verizon**
Crown #845455_Crown_VZW
85 Quaker Farms Road, Oxford, CT 06478
Latitude: 41.383989 / Longitude: -73.137372

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 85 Quaker Farms Road, Oxford, CT 06478. The property is owned by William & Elaine Schiavi and the tower is owned by Crown Castle. Verizon now intends to add two (2) interference mitigation filters to be installed at the 120-foot level of the tower of the 149-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:
(2) Kaelus BSF0020F3V1-1 Twin Bandstop 900MHZ Interference Mitigation Filters

The proposed work in this application only pertains to the installation of interference mitigation filter(s) and does not involve any additional equipment that may be called out in the Mount Analysis and/or in Table 1 of the Structural Analysis Reports.

The facility was approved by the Connecticut Siting Council on December 22, 2003, Docket #261. The approval has conditions which this exempt modification complies with. 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.SA. § 16-SOj-73, a copy of this letter is being sent to First Selectman George R. Temple and Steven Macary, Zoning Enforcement Official for the municipality. A copy is also being sent to William & Elaine Schiavi as the property owners 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 George R. Temple
Town of Oxford
486 Oxford Road
Oxford, CT 06478
203-888-2543

Steven Macary, Zoning Enforcement Official
Town of Oxford
486 Oxford Road
Oxford, CT 06478
203-828-6503

William & Elaine Schiavi, Property Owners
85 Quaker Farms Road
Oxford, CT 06478
203-463-0361

Crown Castle, Tower Owner

THIS CHECK PRINTED ON DOCUCHECK GHOST PAPER AND HAS A GRAPHIC WATERMARK ON REVERSE SIDE

CROWN CASTLE USA INC.
2000 CORPORATE DRIVE
CANONSBURG PA 15317
724-416-2000

JPMorgan Chase Bank, N.A.
DALLAS TX
32-61/1110

2892716

SIX HUNDRED TWENTY FIVE AND 00/100********** DATE 09/06/23 $*******625.00

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

2695915

Robert A Cellucci VP and Controller
Assist. Secretary

VOID AFTER 180 DAYS

⑈2892716⑈ ⑆111000614⑆ 1034104531⑈

Check No 2892716
Check Date 09/06/23

Stub 1 of 1

CKRQ 845455 654621 ZAP	09/05/23	Invoice Summ	625.00		625.00
			625.00		625.00

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 773323045639: Your package has been delivered
Date: Tuesday, September 12, 2023 10:14:02 AM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi. Your package was delivered Tue, 09/12/2023 at 10:07am.

Delivered to 486 OXFORD RD, OXFORD, CT 06478
Received by L.CAPRIO

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	773323045639
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Oxford First Selectman George R. Temple 486 Oxford Road OXFORD, CT, US, 06478
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 9/11/2023 05:18 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	OXFORD, CT, US, 06478
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 773323092049: Your package has been delivered
Date: Tuesday, September 12, 2023 10:13:45 AM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

FedEx

Hi. Your package was delivered Tue, 09/12/2023 at 10:07am.

Delivered to 486 OXFORD RD, OXFORD, CT 06478
Received by L.CAPRIO

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	773323092049
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Town of Oxford Steven Macary, ZEO 486 Oxford Road OXFORD, CT, US, 06478
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 9/11/2023 05:18 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	OXFORD, CT, US, 06478
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 773323131360: Your package has been delivered
Date: Tuesday, September 12, 2023 11:12:06 AM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi. Your package was delivered Tue, 09/12/2023 at 11:05am.

Delivered to 85 QUAKER FARMS RD, OXFORD, CT 06478
Received by W.WILLIAM

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	773323131360
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	William & Elaine Schiavi 85 Quaker Farms Road OXFORD, CT, US, 06478
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 9/11/2023 05:18 PM
DELIVERED TO	Residence
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	OXFORD, CT, US, 06478
SPECIAL HANDLING	Residential Delivery
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.

DOCKET NO. 261 - AT&T Wireless PCS, LLC d/b/a AT&T Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at one of two sites at 85 Quaker Farms Road, Oxford, Connecticut.	}	Connecticut Siting Council December 22, 2003

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to AT&T Wireless PCS d/b/a AT&T Wireless for the construction, maintenance and operation of a wireless telecommunications facility at Site B, located at 85 Quaker Farms Road, Oxford, Connecticut. The Council denies certification of Site A, also located at 85 Quaker Farms Road, Oxford, Connecticut.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of AT&T and other entities, both public and private, but such tower shall not exceed a height of 153 feet above ground level, including appurtenances. Antennas installed on the monopole shall be flush mounted.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include:
    a) color options for painting the tower, including the color option preferred by the Town of Oxford;
    b) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment building, access road, utility line, and landscaping; and
    c) construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing. The Certificate Holder shall provide space on the tower for no compensation for any municipal antennas, provided such antennas are compatible with the structural integrity of the tower.

6. If the facility does not initially provide wireless services within one year of completion of construction or ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

7. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.

8. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the Waterbury Republican-American.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The party to this proceeding is:

Applicant	**Its Representative**
AT&T Wireless PCS, LLC d/b/a AT&T Wireless (AT&T)	Christopher B. Fisher, Esq. Cuddy & Feder LLP 90 Maple Avenue White Plains, New York 10601

PLANNING & ZONING COMMISSION
TOWN OF OXFORD
486 Oxford Road
Oxford, CT 06478
(203) 888-2543

Z#: Z-05-116
Date Rec'd: 4-28-05
Date on Agenda:
65-Day Expiration:

ZONING PERMIT APPLICATION

(This permit is hereby applied for in accordance with the requirements of the Oxford Zoning Regulations)

Property Identification

Street Address: 85 QUAKER FARMS RD
Subdivision Name: _____ Date Approved: _____
Map: 23 Block: 7 Lot: 8 Zoning district: R-A

Owner/Applicant

Owner Name: SCHIAVI
Owner Address: 85 QUAKER FARMS RD
Owner Telephone: _____

Applicant Name: NEW CINGULAR WIRELESS PCS, LLC
Applicant Address: 500 ENTERPRISE DR., ROCKY HILL CT 06067
Applicant Telephone: 860-513-7636

Miscellaneous Information

* CT SITING COUNCIL CERTIFICATE

Special Exception: Article _____ Section _____ Yes (No) *
Site Plan Approval: Article _____ Section _____ Yes (No)
Estimated Cost of Construction: $150,000-
Variance Granted: _____ Date Granted: _____

Signatures/Authorization

Application for Zoning Permit approval as described herein is hereby made. The Oxford Planning & Zoning Commission and its technical staff are authorized to enter the property for the purpose of evaluating this application.

Permit Void If: a) Work or activity not commenced within 1 year of the date of issuance or b) Authorized construction not completed within 2 years of the date of issuance.

This permit, if issued, is based upon the plot plan submitted. Falsification, by misrepresentation or omission, or failure to comply with the conditions of approval of this permit constitute a violation of the Oxford Zoning Regulations.

for Cingular Wireless 4-28-05
Property Owner or Agent) Date

Purpose

___ New Home
___ Addition
___ Garage
___ Cottage Business
___ Swimming Pool IG AG
___ Sign
___ Shed
___ Barn
___ Change of Use
___ Excavating/Filling
___ Trailer
✓ Other CELL SITE

Use

___ Single-Family Residence
___ Multi-Family Residence
✓ Commercial
___ Industrial
___ Residential/POD
✓ Other CELL SITE

Required Approvals and Dates

✓ Inland Wetlands _____
___ P.D.D.H. _____
___ Fire Marshal _____
___ Z.B.A. _____
___ W.P.C.A. _____
___ Floodplain _____
___ Copy of Deed _____
✓ Driveway Existing
___ Erosion Control Plan
✓ Plot Plan * 4-26-05
___ Other _____

100.00 Town Fee
75.00 State Fee
175.00 Total Fee

*Draw plot plan of proposed construction and attach. Plan must show property boundaries and dimensions; location of proposed buildings on property with respect to boundaries; location of existing buildings on property; outside dimensions of all buildings proposed or now existing; location of water supply; location of sewage system. All copies must have a complete sketch. Construction and use must be exactly as described in this application. If later changes from this plan are desired prior approval of an amended application is necessary.

Denied (Approved) By: Doug Volk Date: 4-27-05
Title: ZEO
Reason for Denial _____

ZPA-1
(Adopted 5/15/97)

White - P&Z Files / Yellow - Building Department / Pink - Applicant

Town of Oxford
Property Listing Report

Parcel ID 23/57/8

Account J0181100

Property Information

Owner	SCHIAVI WILLIAM & ELAINE W
Address	85 QUAKER FARMS RD
Mailing Address	85 QUAKER FARMS RD OXFORD , CT 06478
Land Use	- Res Dwelling
Land Class	R

Census Tract	L 6
Neighborhood	090
Zoning	RESA
Acreage	12.5
Utilities	
Lot Setting/ Desc	/ Clear

Photo

PARCEL VALUATIONS (Assessed value = 70% of Appraised Value)

	Appraised	Assessed
Buildings	230200	161100
Outbuildings	43600	30500
Improvements	273800	191600
Extras	0	0
Land	348300	192800
Total	622100	384400
Previous		

Construction Details

Year Built	
Stories	2
Building Style	Colonial
Building Use	Residential
Building Condition	B-
Total Rooms	
Bedrooms	4 Bedrooms
Full Bathrooms	0
Half Bathrooms	
Bath Style	Average
Kitchen Style	Average
Roof Style	Gable
Roof Cover	Arch Shingles

EXTERIOR WALLS:	
Primary	Clapboard
Secondary	Wood Shingle
INTERIOR WALLS:	
Primary	Drywall
Secondary	
FLOORS:	
Primary	Hardwood
Secondary	
HEATING/AC:	
Heating Type	Hot Water
Heating Fuel	Oil
AC Type	None

BUILDING AREA:	
Effective Building Area	
Gross Building Area	
Total Living Area	

SALES HISTORY:	
Sale Date	4/1/1996
Sale Price	0
Book/ Page	187/ 390

Report Created On 9/6/2023

Town of Oxford
Property Listing Report

Parcel ID 23/57/8/CELL

Account 23578CELL

Property Information

Owner	AT&T
Address	85 QUAKER FARMS RD
Mailing Address	754 PEACHTREE STREET ATLANTA , GA 30308
Land Use	- Cell Tower
Land Class	I

Census Tract	
Neighborhood	090
Zoning	
Acreage	0
Utilities	
Lot Setting/ Desc	/

Photo

No Photo Available

PARCEL VALUATIONS (Assessed value = 70% of Appraised Value)

	Appraised	Assessed
Buildings	0	0
Outbuildings	638800	447100
Improvements	638800	447100
Extras	0	0
Land	0	0
Total	638800	447100
Previous		

Construction Details

Year Built	
Stories	
Building Style	
Building Use	
Building Condition	
Total Rooms	
Bedrooms	
Full Bathrooms	0
Half Bathrooms	
Bath Style	
Kitchen Style	
Roof Style	
Roof Cover	

EXTERIOR WALLS:	
Primary	
Secondary	
INTERIOR WALLS:	
Primary	
Secondary	
FLOORS:	
Primary	
Secondary	
HEATING/AC:	
Heating Type	
Heating Fuel	
AC Type	

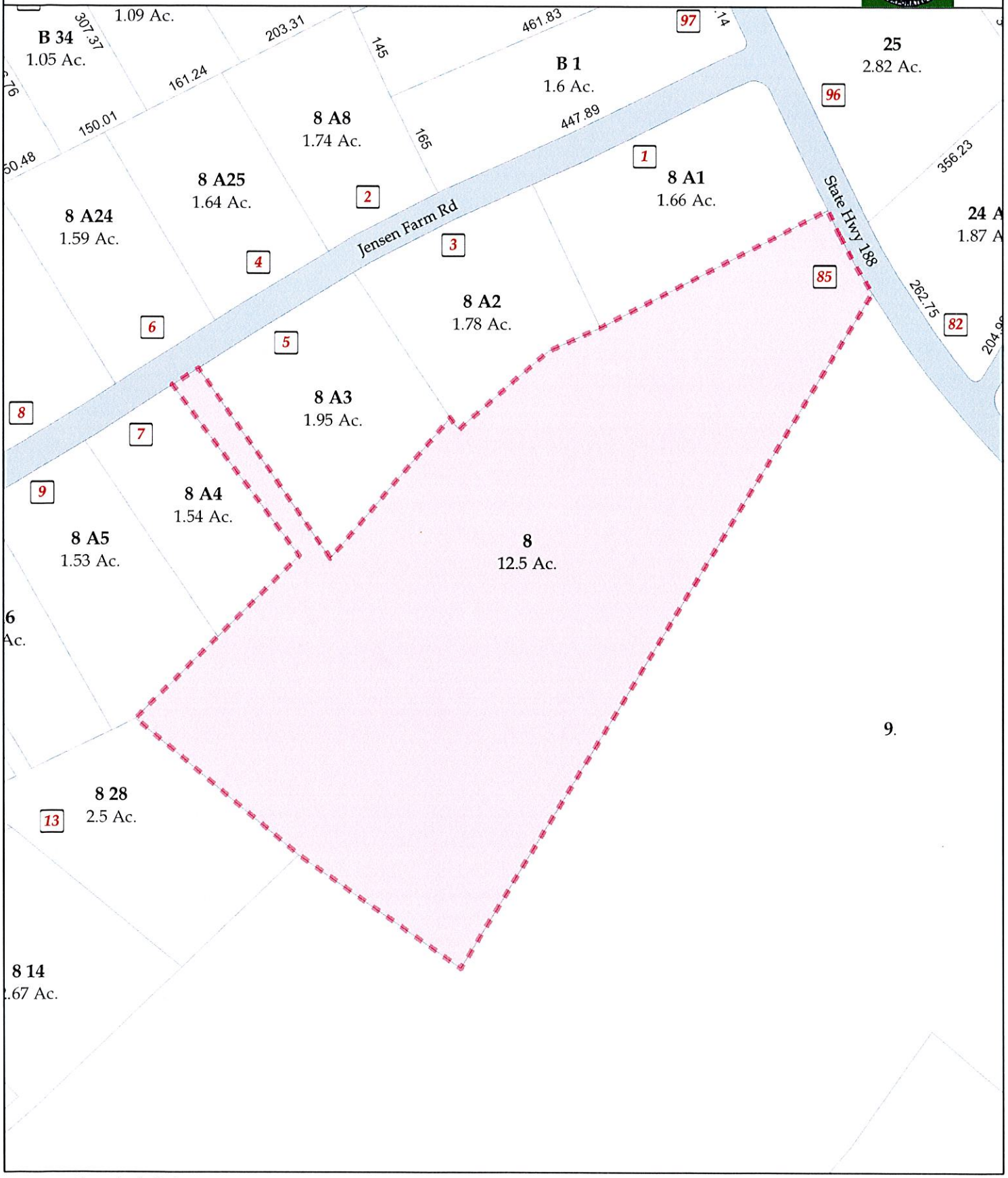
BUILDING AREA:	
Effective Building Area	
Gross Building Area	
Total Living Area	

SALES HISTORY:	
Sale Date	10/1/2010
Sale Price	0
Book/ Page	000/ 000

Report Created On 9/6/2023

Town of Oxford, Connecticut - Assessment Parcel Map

Parcel: 23-57-8 **Location:** 85 QUAKER FARMS RD

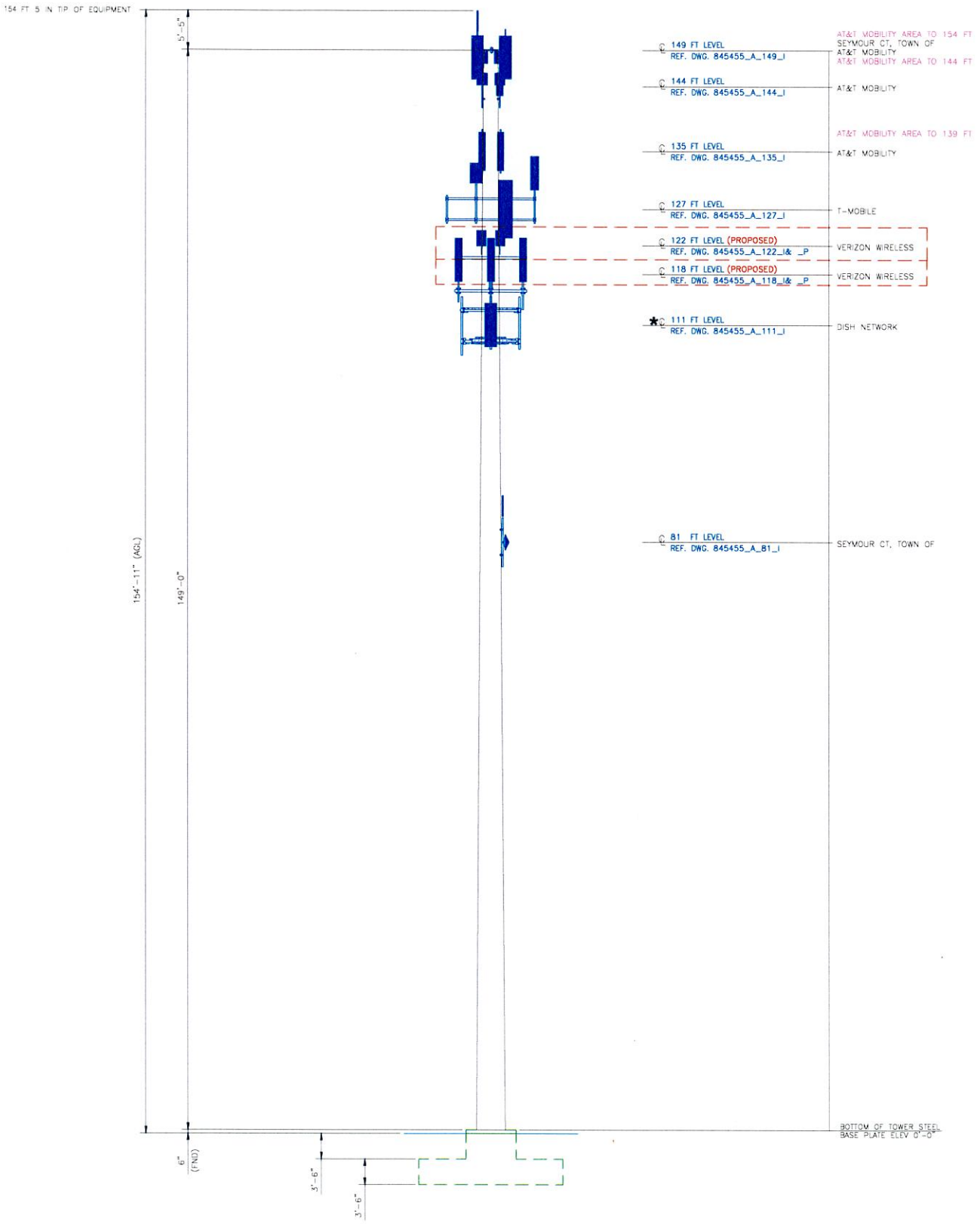


Approximate Scale: 1 inch = 200 feet

0 100 200 300 400 Feet

Map Produced: March 2023

Disclaimer: This map is for informational purposes only All information is subject to verification by any user. The Town of Oxford and its mapping contractors assume no legal responsibility for the information contained herein.


154' FT 5 IN TIP OF EQUIPMENT
5'-5"
154'-11" (AGL)
149'-0"
6" (FND)
3'-6"
3'-6"
℄ 149 FT LEVEL
REF. DWG. 845455_A_149_I
AT&T MOBILITY AREA TO 154 FT
SEYMOUR CT, TOWN OF
AT&T MOBILITY
AT&T MOBILITY AREA TO 144 FT
℄ 144 FT LEVEL
REF. DWG. 845455_A_144_I
AT&T MOBILITY
AT&T MOBILITY AREA TO 139 FT
℄ 135 FT LEVEL
REF. DWG. 845455_A_135_I
AT&T MOBILITY
℄ 127 FT LEVEL
REF. DWG. 845455_A_127_I
T-MOBILE
℄ 122 FT LEVEL (PROPOSED)
REF. DWG. 845455_A_122_I& _P
VERIZON WIRELESS
℄ 118 FT LEVEL (PROPOSED)
REF. DWG. 845455_A_118_I& _P
VERIZON WIRELESS
* ℄ 111 FT LEVEL
REF. DWG. 845455_A_111_I
DISH NETWORK
℄ 81 FT LEVEL
REF. DWG. 845455_A_81_I
SEYMOUR CT, TOWN OF
BOTTOM OF TOWER STEEL
BASE PLATE ELEV 0'-0"

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.

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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)

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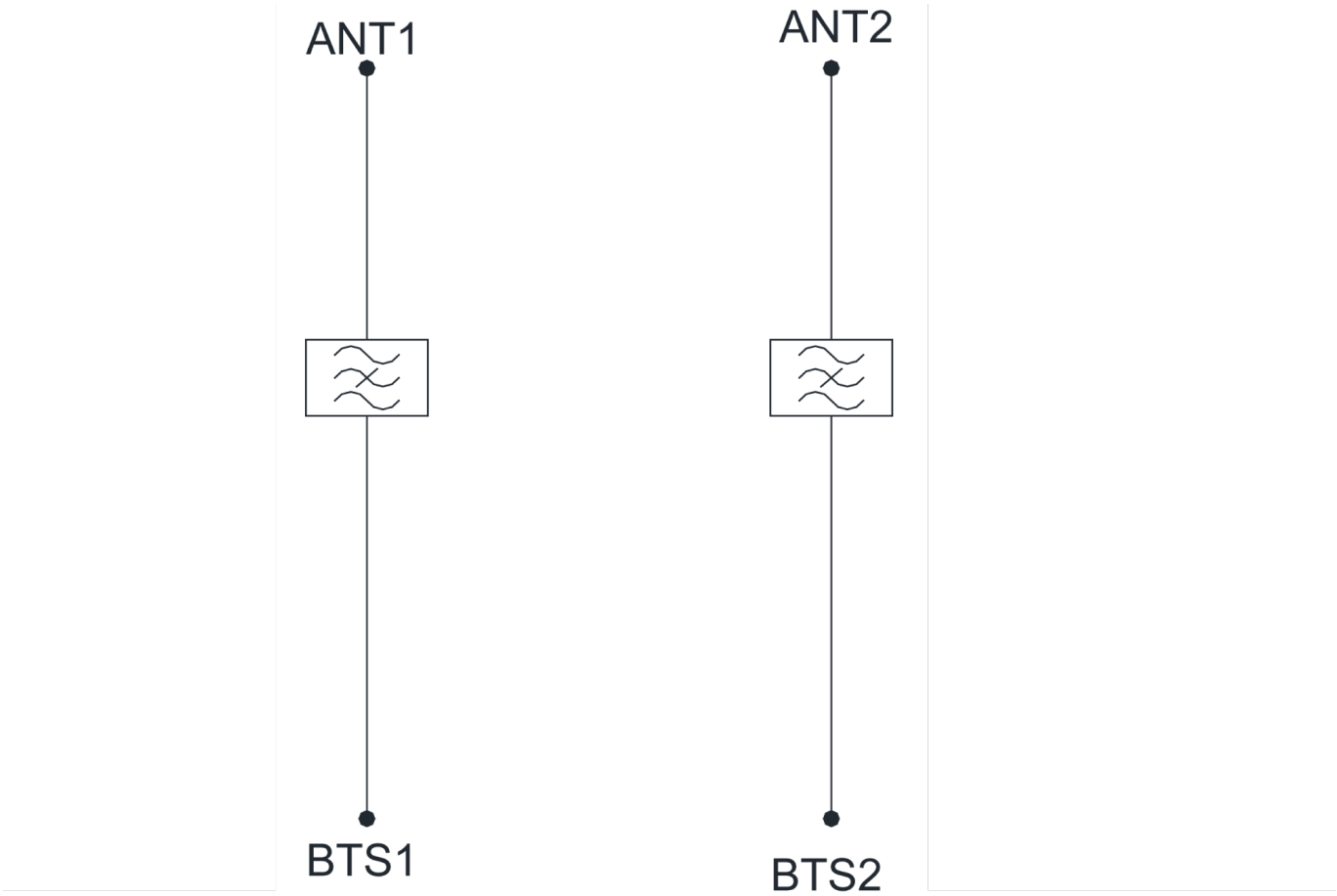
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



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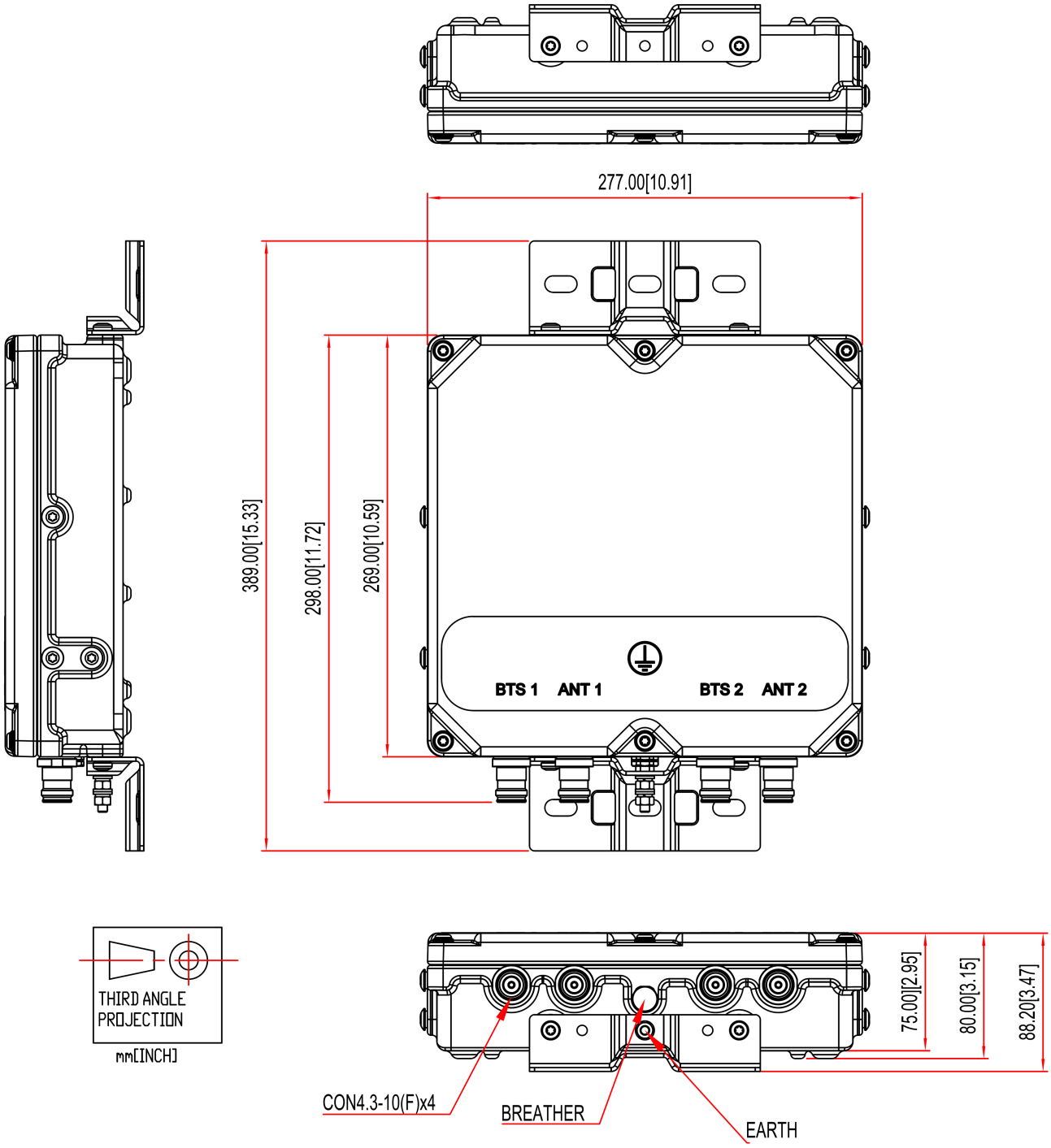
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

MECHANICAL BLOCK DIAGRAM



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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 #: 10206427
Colliers Engineering & Design, CT, P. C. Project #: 23777074

June 30, 2023

Site Information	*Site ID:*	*5000385883-VZW / SEYMOUR WEST CT*
	Site Name:	*SEYMOUR WEST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*85 Quaker Farms Rd* *Oxford, Connecticut 06478* *New Haven County*
	Latitude:	*41.384000°*
	Longitude:	*-73.137361°*
Structure Information	*Tower Type:*	*147-Ft Monopole*
	Mount Type:	*5.33-Ft Integrated T-Frame*

FUZE ID # 17123814

Analysis Results

Integrated T-Frame: **80.8% Pass***

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

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

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

Report Prepared By: Gianna Argentina

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: 324827, dated May 17, 2022*
Mount Mapping Report	*Onsight Services, Site ID: 469065, dated April 8, 2022*
Filter Add Scope	*Guidance Provided by Verizon*
Final Loading Configuration	*Email correspondence with Robert Moore, dated March 1, 2023*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H Connecticut State Building Code, Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	118 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.978
Seismic Parameters:	S_S:	0.202 g
	S_1:	0.054 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
118.70	120.00	6	JMA Wireless	MX06FRO860-03	Added
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		1	Raycap	RVZDC-6627-PF-48	
		2	KAelus	BSF0020F3V1-1	

The recent mount mapping reported existing OVP units. It is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required unless replacing an existing OVP.

Model Number	Ports	AKA
DB-B1-6C-12AB-0Z	6	OVP-6
RVZDC-6627-PF-48	12	OVP-12

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design, CT, P. C. and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design, CT, P. C. to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

   Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping and reported in the Mount Mapping Report are assumed to be corrected and documented as part of the PMI process and are not considered in the mount analysis.

   The mount analysis and the mount mapping are not a condition assessment of the mount. Proper maintenance and condition assessments are still required post analysis.

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design, CT, P. C. is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design, CT, P. C.

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	19.9 %	Pass
Standoff Plate	60.8 %	Pass
Face Horizontal	41.4 %	Pass
Mount Pipe	80.8 %	Pass
Mount Connection	21.9 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**80.8%**

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

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	15.1	15.1	28.0	28.0
0.5	21.0	21.0	38.8	38.8
1	26.7	26.7	49.6	49.6

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 sectors.
- Ka factors included in (EPA)a calculations

Requirements:

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

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

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

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MDG #: 5000385883 SMART Project #: 10206427 Fuze Project ID:

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

OR

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

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

Issue:

Response:

Special Instruction Confirmation:

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

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

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

OR

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

Comments:

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

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

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

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

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

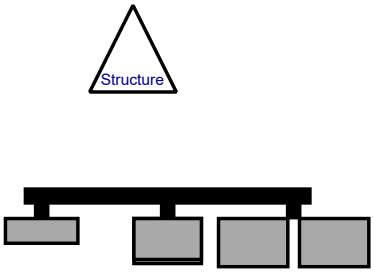
Structure: 00038 883-VZW - SEYMOUR WEST CT

Sector: **A** 6/28/2023

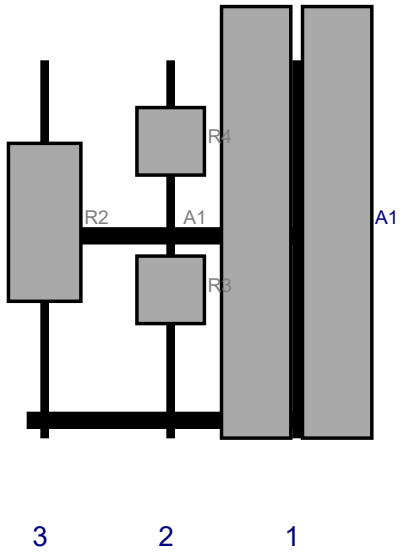
Structure Type: Monopole 10206427

Mount Elev: 118.70 Page: 1

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	MX06FRO860-03	95.9	15.4	60	1	a	Front	36	9	Added	
A1	MX06FRO860-03	95.9	15.4	60	1	b	Front	36	-9	Added	
R3	RF4439d-25A	15	15	32	2	a	Front	51	0	Added	
R4	RF4440d-13A	15	15	32	2	a	Front	18	0	Added	
R2	MT6407-77A	35.1	16.1	4	3	a	Front	36	0	Added	
OVP	RVZDC-6627-PF-48	29.5	16.5		Member					Added	

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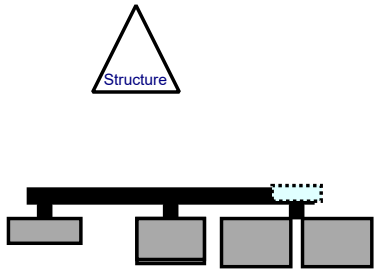
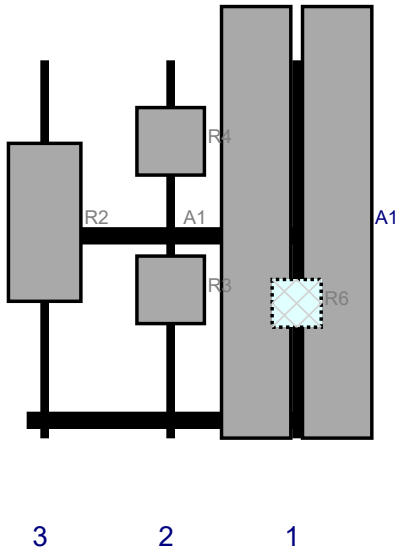
Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	MX06FRO860-03	95.9	15.4	60	1	a	Front	36	9	Added	
A1	MX06FRO860-03	95.9	15.4	60	1	b	Front	36	-9	Added	
R6	BSF0020F3V1-1	10.6	10.9	60	1	a	Behind	54	0	Added	
R3	RF4439d-25A	15	15	32	2	a	Front	51	0	Added	
R4	RF4440d-13A	15	15	32	2	a	Front	18	0	Added	
R2	MT6407-77A	35.1	16.1	4	3	a	Front	36	0	Added	

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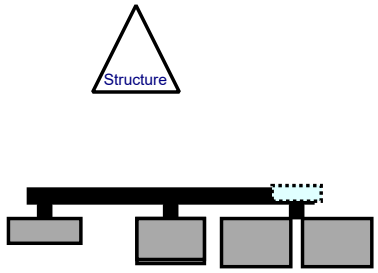
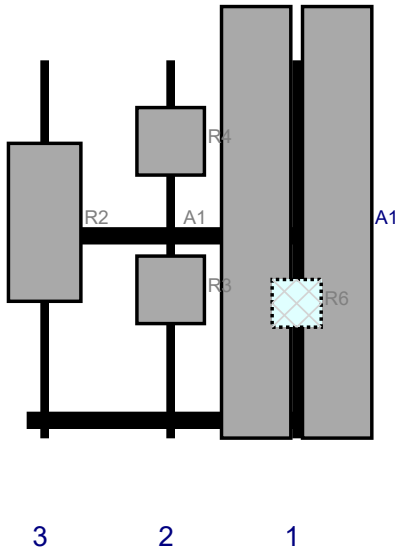
Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	MX06FRO860-03	95.9	15.4	60	1	a	Front	36	9	Added	
A1	MX06FRO860-03	95.9	15.4	60	1	b	Front	36	-9	Added	
R6	BSF0020F3V1-1	10.6	10.9	60	1	a	Behind	54	0	Added	
R3	RF4439d-25A	15	15	32	2	a	Front	51	0	Added	
R4	RF4440d-13A	15	15	32	2	a	Front	18	0	Added	
R2	MT6407-77A	35.1	16.1	4	3	a	Front	36	0	Added	

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V4.1 Updated on 12-17-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	4/8/2022
Site Name:	SEYMOUR WEST CT	**Tower Type:**	MONOPOLE
Site Number or ID:	469065	**Tower Height (Ft.):**	147
Mapping Contractor:	ONSIGHT SERVICES	**Mount Elevation (Ft.):**	120

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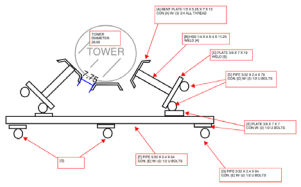
Site Number: 469065

All measurements / offsets given in inches

TOP VIEW



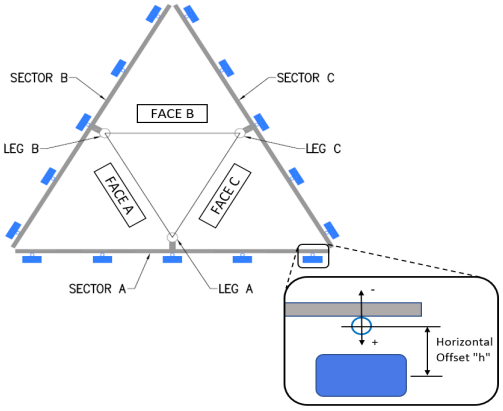
Mount Pipe Configuration and Geometries [Unit = Inches]

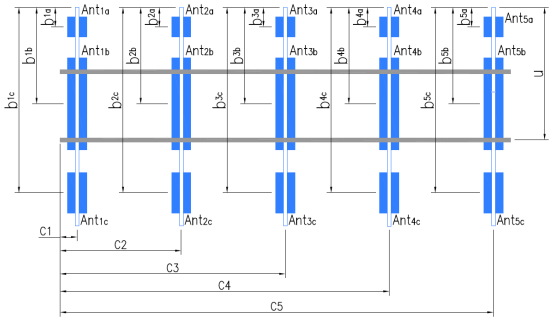
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2.4 X 5/32 X 84			C1	2.4 X 5/32 X 84		
A2	2.4 X 5/32 X 84			C2	2.4 X 5/32 X 84		
A3	2.4 X 5/32 X 84			C3	2.4 X 5/32 X 84		
A4				C4			
A5				C5			
A6				C6			
B1	2.4 X 5/32 X 84			D1			
B2	2.4 X 5/32 X 84			D2			
B3	2.4 X 5/32 X 84			D3			
B4				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.) :	7
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	28.66



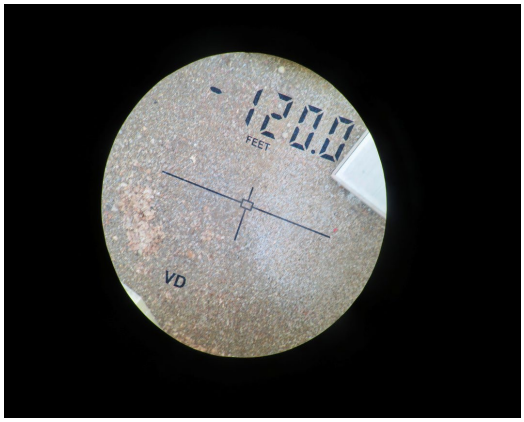


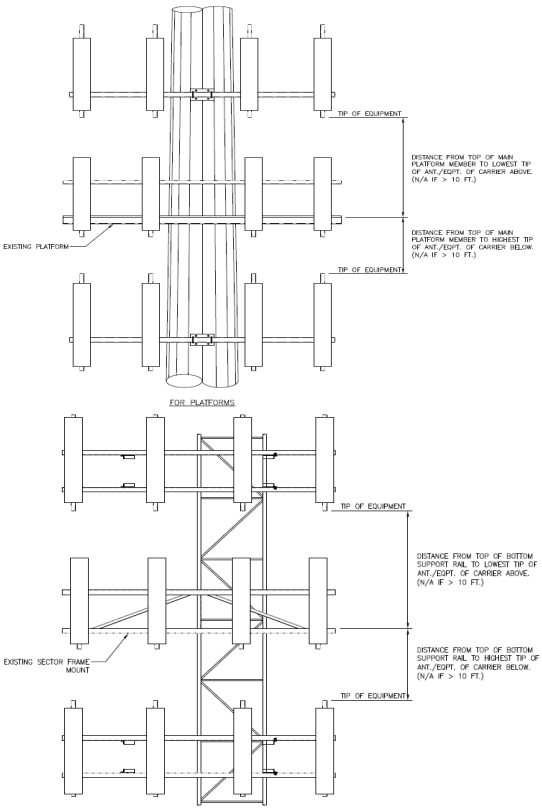
Antenna Layout (Looking Out From Tower)

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}	AMPHENOL BXA-80080 16CF E DIN					122	42.00	11.00	60.00	115
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	COMMSCOPE SBNHH 1D65B					122	36.00	8.00	60.00	122
Ant_{2b}	ALCATEL B4 RRH2x60-4R					124	18.00	-8.00	60.00	126
Ant_{2c}										
Ant_{3a}	COMMSCOPE SBNHH 1D65B					122	36.00	8.00	60.00	122
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	RAYCAP RRFDC-3315-PF-48					128			0.00	135
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	60.00	Deg	Leg A:		Deg
Sector B:	180.00	Deg	Leg B:		Deg
Sector C:	300.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	70.00	Deg	
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.





Sector B										
Ant_{1a}	AMPHENOL BXA-80080 16CF E DIN					122	42.00	11.00	60.00	115
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	COMMSCOPE SBNHH 1D65B					122	36.00	8.00	60.00	122
Ant_{2b}	ALCATEL B4 RRH2x60-4R					124	18.00	-8.00	60.00	126
Ant_{2c}										
Ant_{3a}	COMMSCOPE SBNHH 1D65B					122	36.00	8.00	60.00	122
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	RAYCAP RRFDC-3315-PF-48					128			120.00	139
Ant on Tower										
Sector C										
Ant_{1a}	AMPHENOL BXA-80080 16CF E DIN					122	42.00	11.00	60.00	115
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	COMMSCOPE SBNHH 1D65B					122	36.00	8.00	60.00	122
Ant_{2b}	ALCATEL B4 RRH2x60-4R					124	18.00	-8.00	60.00	126
Ant_{2c}										
Ant_{3a}	COMMSCOPE SBNHH 1D65B					122	36.00	8.00	60.00	122
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

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

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

SMART Tool© Vendor

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	4/8/2022
Site Name:	SEYMOUR WEST CT	**Tower Type:**	MONOPOLE
Site Number or ID:	469065	**Tower Height (Ft.):**	147
Mapping Contractor:	ONSIGHT SERVICES	**Mount Elevation (Ft.):**	120

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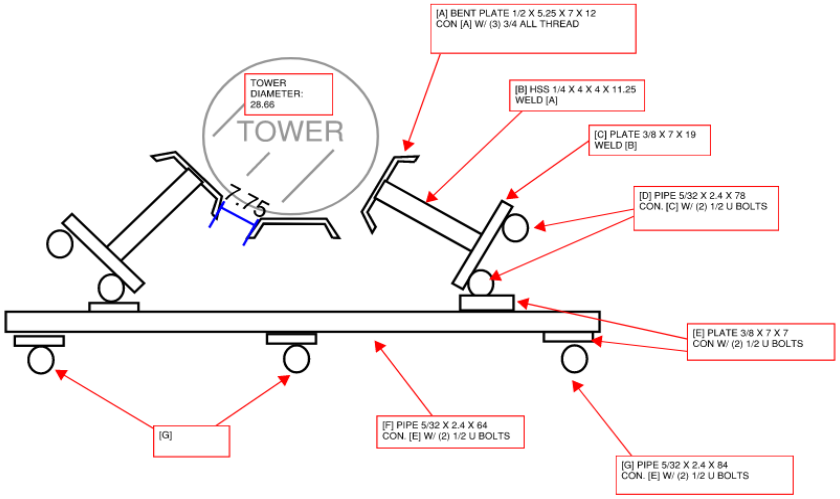
Please Insert Sketches of the Antenna Mount

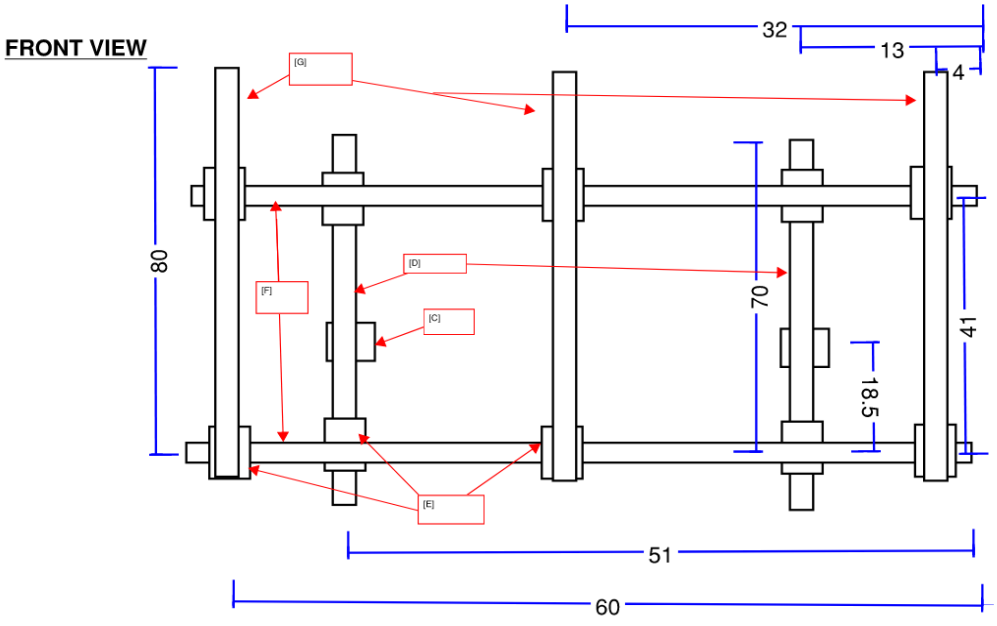
Site Number: 469065

All measurements / offsets given in inches

TOP VIEW



FRONT VIEW

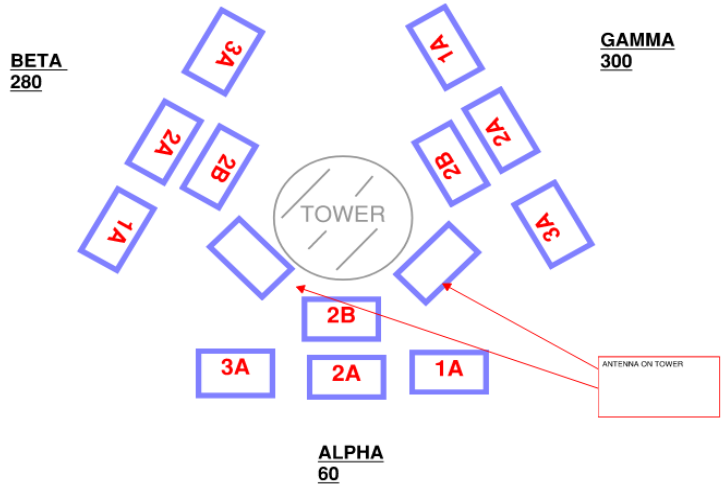


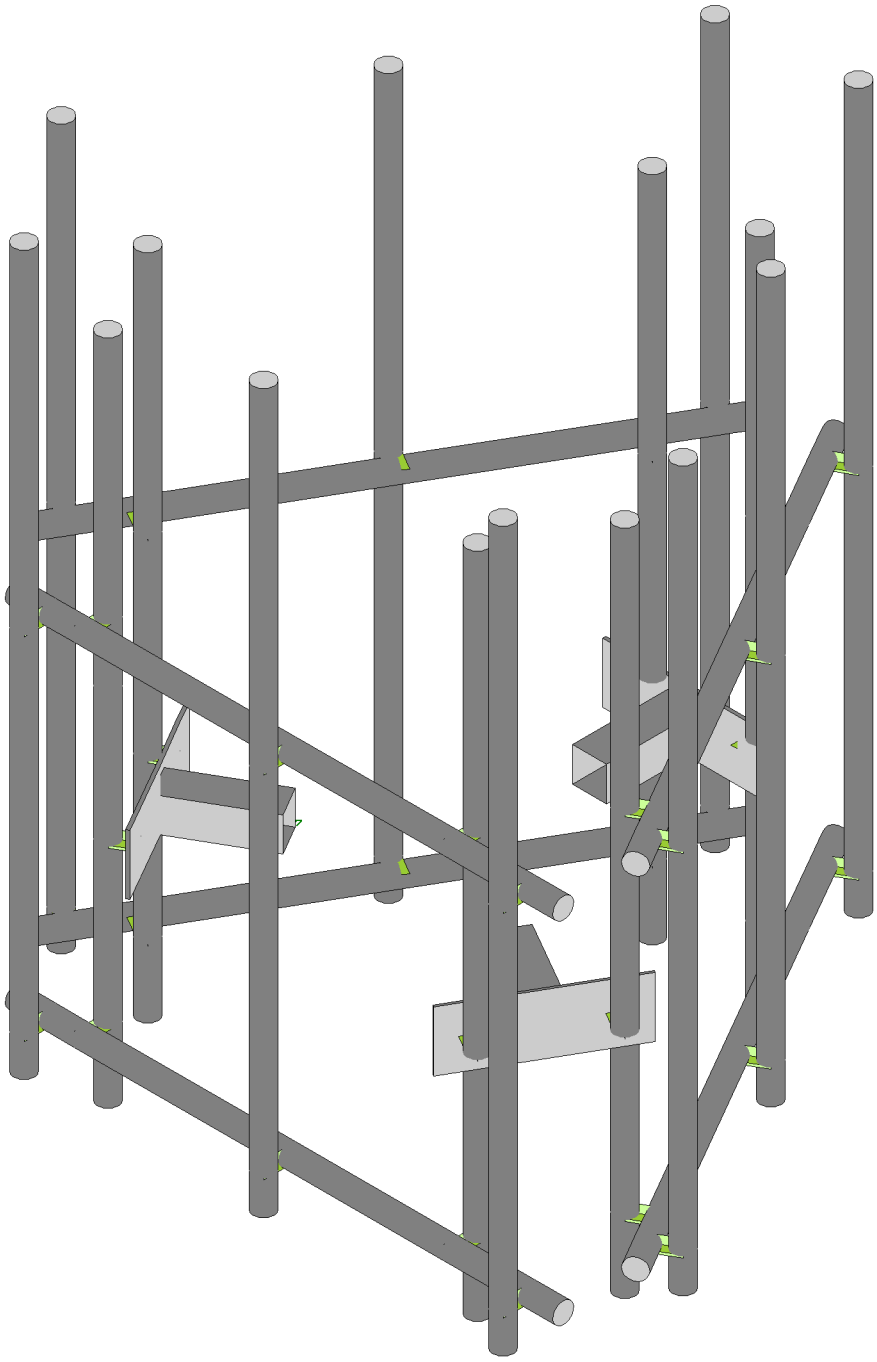
Please Insert Sketches of the Antenna Mount, cont'd

AZIMUTH

MCL: 120 FT
TOT: 147 FT

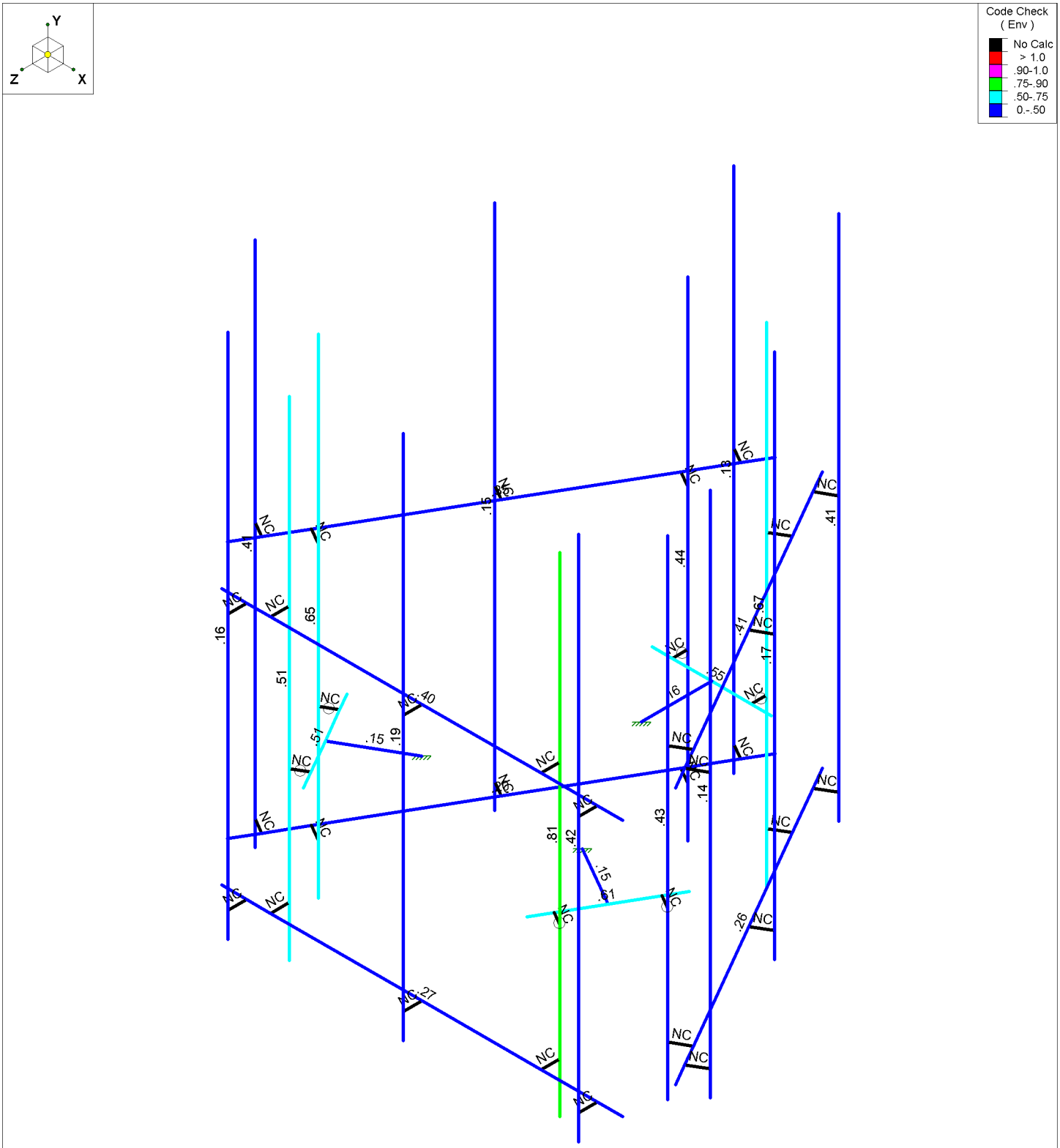
(18) 1-5/8" COAX
(2) 1.55" OD HYBRID





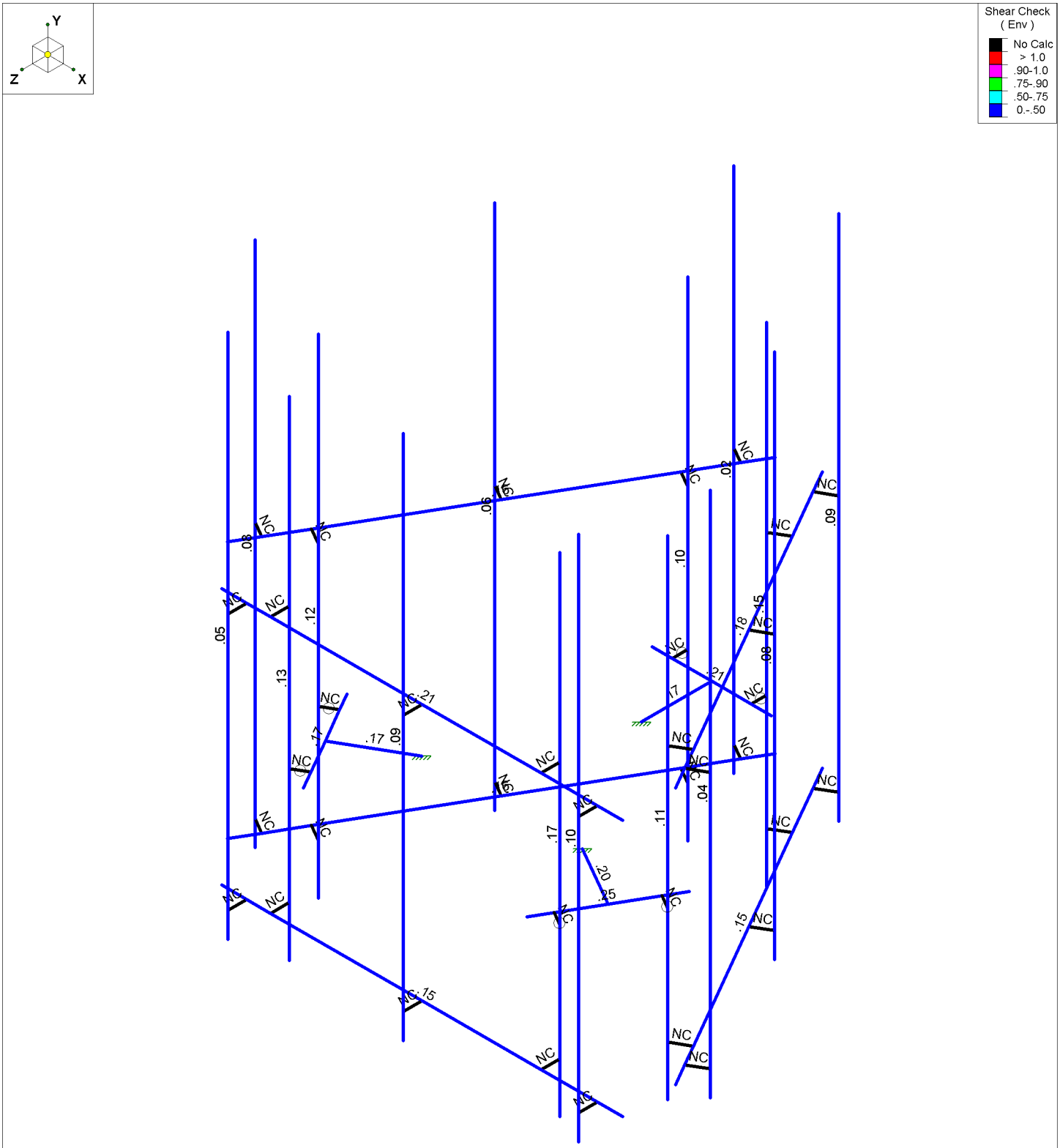
Envelope Only Solution

	5000385883-VZW_MT_LO_H	SK - 1
		June 28, 2023 at 1:02 PM
		5000385883-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

	5000385883-VZW_MT_LO_H	SK - 2
		June 28, 2023 at 1:02 PM
		5000385883-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

	5000385883-VZW_MT_LO_H	SK - 3
		June 28, 2023 at 1:02 PM
		5000385883-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					81			
2	Antenna Di	None					81			
3	Antenna Wo (0 Deg)	None					81			
4	Antenna Wo (30 Deg)	None					81			
5	Antenna Wo (60 Deg)	None					81			
6	Antenna Wo (90 Deg)	None					81			
7	Antenna Wo (120 Deg)	None					81			
8	Antenna Wo (150 Deg)	None					81			
9	Antenna Wo (180 Deg)	None					81			
10	Antenna Wo (210 Deg)	None					81			
11	Antenna Wo (240 Deg)	None					81			
12	Antenna Wo (270 Deg)	None					81			
13	Antenna Wo (300 Deg)	None					81			
14	Antenna Wo (330 Deg)	None					81			
15	Antenna Wi (0 Deg)	None					81			
16	Antenna Wi (30 Deg)	None					81			
17	Antenna Wi (60 Deg)	None					81			
18	Antenna Wi (90 Deg)	None					81			
19	Antenna Wi (120 Deg)	None					81			
20	Antenna Wi (150 Deg)	None					81			
21	Antenna Wi (180 Deg)	None					81			
22	Antenna Wi (210 Deg)	None					81			
23	Antenna Wi (240 Deg)	None					81			
24	Antenna Wi (270 Deg)	None					81			
25	Antenna Wi (300 Deg)	None					81			
26	Antenna Wi (330 Deg)	None					81			
27	Antenna Wm (0 Deg)	None					81			
28	Antenna Wm (30 Deg)	None					81			
29	Antenna Wm (60 Deg)	None					81			
30	Antenna Wm (90 Deg)	None					81			
31	Antenna Wm (120 De...	None					81			
32	Antenna Wm (150 De...	None					81			
33	Antenna Wm (180 De...	None					81			
34	Antenna Wm (210 De...	None					81			
35	Antenna Wm (240 De...	None					81			
36	Antenna Wm (270 De...	None					81			
37	Antenna Wm (300 De...	None					81			
38	Antenna Wm (330 De...	None					81			
39	Structure D	None		-1						
40	Structure Di	None						27		
41	Structure Wo (0 Deg)	None						54		
42	Structure Wo (30 Deg)	None						54		
43	Structure Wo (60 Deg)	None						54		
44	Structure Wo (90 Deg)	None						54		
45	Structure Wo (120 D...	None						54		
46	Structure Wo (150 D...	None						54		
47	Structure Wo (180 D...	None						54		
48	Structure Wo (210 D...	None						54		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
49	Structure Wo (240 D...	None						54		
50	Structure Wo (270 D...	None						54		
51	Structure Wo (300 D...	None						54		
52	Structure Wo (330 D...	None						54		
53	Structure Wi (0 Deg)	None						54		
54	Structure Wi (30 Deg)	None						54		
55	Structure Wi (60 Deg)	None						54		
56	Structure Wi (90 Deg)	None						54		
57	Structure Wi (120 De...	None						54		
58	Structure Wi (150 De...	None						54		
59	Structure Wi (180 De...	None						54		
60	Structure Wi (210 De...	None						54		
61	Structure Wi (240 De...	None						54		
62	Structure Wi (270 De...	None						54		
63	Structure Wi (300 De...	None						54		
64	Structure Wi (330 De...	None						54		
65	Structure Wm (0 Deg)	None						54		
66	Structure Wm (30 D...	None						54		
67	Structure Wm (60 D...	None						54		
68	Structure Wm (90 D...	None						54		
69	Structure Wm (120 ...	None						54		
70	Structure Wm (150 ...	None						54		
71	Structure Wm (180 ...	None						54		
72	Structure Wm (210 ...	None						54		
73	Structure Wm (240 ...	None						54		
74	Structure Wm (270 ...	None						54		
75	Structure Wm (300 ...	None						54		
76	Structure Wm (330 ...	None						54		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					81			
82	Antenna Eh (0 Deg)	None					54			
83	Antenna Eh (90 Deg)	None					54			
84	Structure Ev	ELY		-.043						
85	Structure Eh (0 Deg)	ELZ			-.108					
86	Structure Eh (90 Deg)	ELX	.108							

Load Combinations

	Description	SolveP...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1													
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1													
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1													
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1													
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1													
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1													
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1													
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1													
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1													

Load Combinations (Continued)

	Description	Solve	P...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				

Load Combinations (Continued)

	Description	Solve	P...	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
62	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N2	1.070263	0	0.617917	0	
3	N3	1.882162	0	1.086667	0	
4	N4	2.277995	0	0.401063	0	
5	N5	1.486329	0	1.77227	0	
6	N14	-1.070263	0	0.617917	0	
7	N15	-1.882162	0	1.086667	0	
8	N16	-1.486329	0	1.77227	0	
9	N17	-2.277995	0	0.401063	0	
10	N26	-0.	0	-1.235833	0	
11	N27	-0.	0	-2.173333	0	
12	N28	-0.791667	0	-2.173333	0	
13	N29	0.791667	0	-2.173333	0	
14	N44	2.883417	-1.541667	1.895497	0	
15	N45	2.883417	1.875	1.895497	0	
16	N46	-2.449916	-1.541667	1.895497	0	
17	N47	-2.449916	1.875	1.895497	0	
18	N48	2.550084	-1.541667	1.895497	0	
19	N49	0.216751	-1.541667	1.895497	0	
20	N50	-2.116583	-1.541667	1.895497	0	
21	N51	2.550084	-1.541667	2.145497	0	
22	N52	0.216751	-1.541667	2.145497	0	
23	N53	-2.116583	-1.541667	2.145497	0	
24	N54	2.550084	1.875	1.895497	0	
25	N55	0.216751	1.875	1.895497	0	
26	N56	-2.116583	1.875	1.895497	0	
27	N57	2.550084	1.875	2.145497	0	
28	N58	0.216751	1.875	2.145497	0	
29	N59	-2.116583	1.875	2.145497	0	
30	N60	2.550084	5.125	2.145497	0	
31	N61	0.216751	5.125	2.145497	0	
32	N62	-2.116583	5.125	2.145497	0	
33	N63	2.550084	-1.875	2.145497	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
34	N64	0.216751	-1.875	2.145497	0	
35	N65	-2.116583	-1.875	2.145497	0	
36	N74	0.19984	-1.541667	-3.444861	0	
37	N75	0.19984	1.875	-3.444861	0	
38	N76	2.866506	-1.541667	1.173941	0	
39	N77	2.866506	1.875	1.173941	0	
40	N78	0.366506	-1.541667	-3.156186	0	
41	N79	1.533173	-1.541667	-1.13546	0	
42	N80	2.69984	-1.541667	0.885266	0	
43	N81	0.583013	-1.541667	-3.281186	0	
44	N82	1.749679	-1.541667	-1.26046	0	
45	N83	2.916346	-1.541667	0.760266	0	
46	N84	0.366506	1.875	-3.156186	0	
47	N85	1.533173	1.875	-1.13546	0	
48	N86	2.69984	1.875	0.885266	0	
49	N87	0.583013	1.875	-3.281186	0	
50	N88	1.749679	1.875	-1.26046	0	
51	N89	2.916346	1.875	0.760266	0	
52	N90	0.583013	5.125	-3.281186	0	
53	N91	1.749679	5.125	-1.26046	0	
54	N92	2.916346	5.125	0.760266	0	
55	N93	0.583013	-1.875	-3.281186	0	
56	N94	1.749679	-1.875	-1.26046	0	
57	N95	2.916346	-1.875	0.760266	0	
58	N104	-2.949924	-1.541667	1.318424	0	
59	N105	-2.949924	1.875	1.318424	0	
60	N106	-0.283257	-1.541667	-3.300378	0	
61	N107	-0.283257	1.875	-3.300378	0	
62	N108	-2.783257	-1.541667	1.029749	0	
63	N109	-1.61659	-1.541667	-0.990977	0	
64	N110	-0.449924	-1.541667	-3.011703	0	
65	N111	-2.999763	-1.541667	0.904749	0	
66	N112	-1.833097	-1.541667	-1.115977	0	
67	N113	-0.66643	-1.541667	-3.136703	0	
68	N114	-2.783257	1.875	1.029749	0	
69	N115	-1.61659	1.875	-0.990977	0	
70	N116	-0.449924	1.875	-3.011703	0	
71	N117	-2.999763	1.875	0.904749	0	
72	N118	-1.833097	1.875	-1.115977	0	
73	N119	-0.66643	1.875	-3.136703	0	
74	N120	-2.999763	5.125	0.904749	0	
75	N121	-1.833097	5.125	-1.115977	0	
76	N122	-0.66643	5.125	-3.136703	0	
77	N123	-2.999763	-1.875	0.904749	0	
78	N124	-1.833097	-1.875	-1.115977	0	
79	N125	-0.66643	-1.875	-3.136703	0	
80	N123A	.525	0	-2.173333	0	
81	N124A	.525	0	-2.381667	0	
82	N125A	.525	-1.541667	-2.381667	0	
83	N126	.525	4.291667	-2.381667	0	
84	N127	.525	-2.208333	-2.381667	0	
85	N128	0.741506	-1.541667	-2.506667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
86	N129	.525	1.875	-2.381667	0	
87	N130	0.741506	1.875	-2.506667	0	
88	N124B	-.525	0	-2.173333	0	
89	N125B	-.525	0	-2.381667	0	
90	N126A	-.525	-1.541667	-2.381667	0	
91	N127A	-.525	4.291667	-2.381667	0	
92	N128A	-.525	-2.208333	-2.381667	0	
93	N129A	-0.741506	-1.541667	-2.506667	0	
94	N130A	-.525	1.875	-2.381667	0	
95	N131	-0.741506	1.875	-2.506667	0	
96	N125C	1.619662	0	1.54133	0	
97	N126B	1.800084	0	1.645497	0	
98	N127B	1.800084	-1.541667	1.645497	0	
99	N128B	1.800084	4.291667	1.645497	0	
100	N129B	1.800084	-2.208333	1.645497	0	
101	N130B	1.800084	-1.541667	1.895497	0	
102	N131A	1.800084	1.875	1.645497	0	
103	N132	1.800084	1.875	1.895497	0	
104	N133	2.144662	0	0.632003	0	
105	N134	2.325084	0	0.73617	0	
106	N135	2.325084	-1.541667	0.73617	0	
107	N136	2.325084	4.291667	0.73617	0	
108	N137	2.325084	-2.208333	0.73617	0	
109	N138	2.54159	-1.541667	0.61117	0	
110	N139	2.325084	1.875	0.73617	0	
111	N140	2.54159	1.875	0.61117	0	
112	N127C	-1.619662	0	1.54133	0	
113	N128C	-1.800084	0	1.645497	0	
114	N129C	-1.800084	-1.541667	1.645497	0	
115	N130C	-1.800084	4.291667	1.645497	0	
116	N131B	-1.800084	-2.208333	1.645497	0	
117	N132A	-1.800084	-1.541667	1.895497	0	
118	N133A	-1.800084	1.875	1.645497	0	
119	N134A	-1.800084	1.875	1.895497	0	
120	N135A	-1.800084	1.291667	1.645497	0	
121	N136A	-2.144662	0	0.632003	0	
122	N137A	-2.325084	0	0.73617	0	
123	N138A	-2.325084	-1.541667	0.73617	0	
124	N139A	-2.325084	4.291667	0.73617	0	
125	N140A	-2.325084	-2.208333	0.73617	0	
126	N141	-2.54159	-1.541667	0.61117	0	
127	N142	-2.325084	1.875	0.73617	0	
128	N143	-2.54159	1.875	0.61117	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Dual Mount Pipe	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
3	Standoff Horizontal	HSS4X4X4	Beam	SquareTu...	A500 Gr. B 46	Typical	3.37	7.8	7.8	12.8
4	Face Horizontal	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
5	Standoff Plate	PL3/8x7	Beam	Pipe	A36 Gr.36	Typical	2.625	.031	10.719	.119

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
2	A53 Gr. B	29000	11154	.3	.65	.49	35	1.5	60	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
5	A500 Gr. B 42	29000	11154	.3	.65	.49	42	1.4	58	1.3
6	A500 Gr. B 46	29000	11154	.3	.65	.49	46	1.4	58	1.3
7	A500 Gr C Round	29000	11154	.3	.65	.49	46	1.5	62	1.2
8	A529 gr50	29000	11154	.3	.65	.49	50	1.5	65	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N3			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
2	M2	N5	N4			Standoff Plate	Beam	Pipe	A36 Gr.36	Typical
3	M7	N14	N15			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
4	M8	N17	N16			Standoff Plate	Beam	Pipe	A36 Gr.36	Typical
5	M13	N26	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
6	M14	N29	N28			Standoff Plate	Beam	Pipe	A36 Gr.36	Typical
7	M23	N47	N45			Face Horizontal	Column	Pipe	A53 Gr. B	Typical
8	LV	N46	N44			Face Horizontal	Column	Pipe	A53 Gr. B	Typical
9	LIVE 2	N50	N53			RIGID	None	None	RIGID	Typical
10	LM2	N49	N52			RIGID	None	None	RIGID	Typical
11	LM1	N48	N51			RIGID	None	None	RIGID	Typical
12	M28	N56	N59			RIGID	None	None	RIGID	Typical
13	M29	N55	N58			RIGID	None	None	RIGID	Typical
14	M30	N54	N57			RIGID	None	None	RIGID	Typical
15	MP3A	N62	N65			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
16	MP1A	N60	N63			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
17	MP2A	N61	N64			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
18	M38	N77	N75			Face Horizontal	Column	Pipe	A53 Gr. B	Typical
19	M39	N76	N74			Face Horizontal	Column	Pipe	A53 Gr. B	Typical
20	M40	N80	N83			RIGID	None	None	RIGID	Typical
21	M41	N79	N82			RIGID	None	None	RIGID	Typical
22	M42	N78	N81			RIGID	None	None	RIGID	Typical
23	M43	N86	N89			RIGID	None	None	RIGID	Typical
24	M44	N85	N88			RIGID	None	None	RIGID	Typical
25	M45	N84	N87			RIGID	None	None	RIGID	Typical
26	MP3C	N92	N95		240	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
27	MP1C	N90	N93		240	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
28	MP2C	N91	N94		240	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
29	M53	N107	N105			Face Horizontal	Column	Pipe	A53 Gr. B	Typical
30	M54	N106	N104			Face Horizontal	Column	Pipe	A53 Gr. B	Typical
31	M55	N110	N113			RIGID	None	None	RIGID	Typical
32	M56	N109	N112			RIGID	None	None	RIGID	Typical
33	M57	N108	N111			RIGID	None	None	RIGID	Typical
34	M58	N116	N119			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
35	M59	N115	N118			RIGID	None	None	RIGID	Typical
36	M60	N114	N117			RIGID	None	None	RIGID	Typical
37	MP3B	N122	N125		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
38	MP1B	N120	N123		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
39	MP2B	N121	N124		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
40	M64	N123A	N124A			RIGID	None	None	RIGID	Typical
41	M65	N126	N127		240	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
42	M66	N125A	N128			RIGID	None	None	RIGID	Typical
43	M67	N129	N130			RIGID	None	None	RIGID	Typical
44	M64A	N124B	N125B			RIGID	None	None	RIGID	Typical
45	M65A	N127A	N128A		240	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
46	M66A	N126A	N129A			RIGID	None	None	RIGID	Typical
47	M67A	N130A	N131			RIGID	None	None	RIGID	Typical
48	M64B	N125C	N126B			RIGID	None	None	RIGID	Typical
49	OVP	N128B	N129B			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
50	M66B	N127B	N130B			RIGID	None	None	RIGID	Typical
51	M67B	N131A	N132			RIGID	None	None	RIGID	Typical
52	M68	N133	N134			RIGID	None	None	RIGID	Typical
53	M69	N136	N137			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
54	M70	N135	N138			RIGID	None	None	RIGID	Typical
55	M71	N139	N140			RIGID	None	None	RIGID	Typical
56	M64C	N127C	N128C			RIGID	None	None	RIGID	Typical
57	M65C	N130C	N131B		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
58	M66C	N129C	N132A			RIGID	None	None	RIGID	Typical
59	M67C	N133A	N134A			RIGID	None	None	RIGID	Typical
60	M68A	N136A	N137A			RIGID	None	None	RIGID	Typical
61	M69A	N139A	N140A		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
62	M70A	N138A	N141			RIGID	None	None	RIGID	Typical
63	M71A	N142	N143			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes				None
3	M7						Yes				None
4	M8						Yes				None
5	M13						Yes				None
6	M14						Yes				None
7	M23						Yes	** NA **			None
8	LV						Yes	** NA **			None
9	LIVE 2						Yes	** NA **			None
10	LM2						Yes	** NA **			None
11	LM1						Yes	** NA **			None
12	M28						Yes	** NA **			None
13	M29						Yes	** NA **			None
14	M30						Yes	** NA **			None
15	MP3A						Yes	** NA **			None
16	MP1A						Yes	** NA **			None
17	MP2A						Yes	** NA **			None
18	M38						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
19	M39						Yes	** NA **			None
20	M40						Yes	** NA **			None
21	M41						Yes	** NA **			None
22	M42						Yes	** NA **			None
23	M43						Yes	** NA **			None
24	M44						Yes	** NA **			None
25	M45						Yes	** NA **			None
26	MP3C						Yes	** NA **			None
27	MP1C						Yes	** NA **			None
28	MP2C						Yes	** NA **			None
29	M53						Yes	** NA **			None
30	M54						Yes	** NA **			None
31	M55						Yes	** NA **			None
32	M56						Yes	** NA **			None
33	M57						Yes	** NA **			None
34	M58						Yes	** NA **			None
35	M59						Yes	** NA **			None
36	M60						Yes	** NA **			None
37	MP3B						Yes	** NA **			None
38	MP1B						Yes	** NA **			None
39	MP2B						Yes	** NA **			None
40	M64	OOOOXO					Yes	** NA **			None
41	M65						Yes	** NA **			None
42	M66						Yes	** NA **			None
43	M67						Yes	** NA **			None
44	M64A	OOOOXO					Yes	** NA **			None
45	M65A						Yes	** NA **			None
46	M66A						Yes	** NA **			None
47	M67A						Yes	** NA **			None
48	M64B	OOOOXO					Yes	** NA **			None
49	OVP						Yes	** NA **			None
50	M66B						Yes	** NA **			None
51	M67B						Yes	** NA **			None
52	M68	OOOOXO					Yes	** NA **			None
53	M69						Yes	** NA **			None
54	M70						Yes	** NA **			None
55	M71						Yes	** NA **			None
56	M64C	OOOOXO					Yes	** NA **			None
57	M65C						Yes	** NA **			None
58	M66C						Yes	** NA **			None
59	M67C						Yes	** NA **			None
60	M68A	OOOOXO					Yes	** NA **			None
61	M69A						Yes	** NA **			None
62	M70A						Yes	** NA **			None
63	M71A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-45.5	.5
2	MP1A	My	-.023	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP1A	Mz	.034	.5
4	MP1A	Y	-45.5	5.5
5	MP1A	My	-.023	5.5
6	MP1A	Mz	.034	5.5
7	MP1B	Y	-45.5	.5
8	MP1B	My	-.018	.5
9	MP1B	Mz	-.037	.5
10	MP1B	Y	-45.5	5.5
11	MP1B	My	-.018	5.5
12	MP1B	Mz	-.037	5.5
13	MP1C	Y	-45.5	.5
14	MP1C	My	.041	.5
15	MP1C	Mz	.003	.5
16	MP1C	Y	-45.5	5.5
17	MP1C	My	.041	5.5
18	MP1C	Mz	.003	5.5
19	MP1A	Y	-45.5	.5
20	MP1A	My	-.023	.5
21	MP1A	Mz	-.034	.5
22	MP1A	Y	-45.5	5.5
23	MP1A	My	-.023	5.5
24	MP1A	Mz	-.034	5.5
25	MP1B	Y	-45.5	.5
26	MP1B	My	.041	.5
27	MP1B	Mz	-.003	.5
28	MP1B	Y	-45.5	5.5
29	MP1B	My	.041	5.5
30	MP1B	Mz	-.003	5.5
31	MP1C	Y	-45.5	.5
32	MP1C	My	-.018	.5
33	MP1C	Mz	.037	.5
34	MP1C	Y	-45.5	5.5
35	MP1C	My	-.018	5.5
36	MP1C	Mz	.037	5.5
37	MP3A	Y	-43.55	2
38	MP3A	My	-.022	2
39	MP3A	Mz	0	2
40	MP3A	Y	-43.55	4
41	MP3A	My	-.022	4
42	MP3A	Mz	0	4
43	MP3B	Y	-43.55	2
44	MP3B	My	.011	2
45	MP3B	Mz	-.019	2
46	MP3B	Y	-43.55	4
47	MP3B	My	.011	4
48	MP3B	Mz	-.019	4
49	MP3C	Y	-43.55	2
50	MP3C	My	.011	2
51	MP3C	Mz	.019	2
52	MP3C	Y	-43.55	4
53	MP3C	My	.011	4
54	MP3C	Mz	.019	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP2A	Y	-74.7	4.25
56	MP2A	My	-.037	4.25
57	MP2A	Mz	0	4.25
58	MP2B	Y	-74.7	4.25
59	MP2B	My	.019	4.25
60	MP2B	Mz	-.032	4.25
61	MP2C	Y	-74.7	4.25
62	MP2C	My	.019	4.25
63	MP2C	Mz	.032	4.25
64	MP2A	Y	-70.3	1.5
65	MP2A	My	-.035	1.5
66	MP2A	Mz	0	1.5
67	MP2B	Y	-70.3	1.5
68	MP2B	My	.018	1.5
69	MP2B	Mz	-.03	1.5
70	MP2C	Y	-70.3	1.5
71	MP2C	My	.018	1.5
72	MP2C	Mz	.03	1.5
73	OVP	Y	-32	1.5
74	OVP	My	0	1.5
75	OVP	Mz	0	1.5
76	MP1B	Y	-17.6	4.5
77	MP1B	My	-.004	4.5
78	MP1B	Mz	.008	4.5
79	MP1C	Y	-17.6	4.5
80	MP1C	My	-.004	4.5
81	MP1C	Mz	-.008	4.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-106.509	.5
2	MP1A	My	-.053	.5
3	MP1A	Mz	.08	.5
4	MP1A	Y	-106.509	5.5
5	MP1A	My	-.053	5.5
6	MP1A	Mz	.08	5.5
7	MP1B	Y	-106.509	.5
8	MP1B	My	-.043	.5
9	MP1B	Mz	-.086	.5
10	MP1B	Y	-106.509	5.5
11	MP1B	My	-.043	5.5
12	MP1B	Mz	-.086	5.5
13	MP1C	Y	-106.509	.5
14	MP1C	My	.096	.5
15	MP1C	Mz	.006	.5
16	MP1C	Y	-106.509	5.5
17	MP1C	My	.096	5.5
18	MP1C	Mz	.006	5.5
19	MP1A	Y	-106.509	.5
20	MP1A	My	-.053	.5
21	MP1A	Mz	-.08	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP1A	Y	-106.509	5.5
23	MP1A	My	-.053	5.5
24	MP1A	Mz	-.08	5.5
25	MP1B	Y	-106.509	.5
26	MP1B	My	.096	.5
27	MP1B	Mz	-.006	.5
28	MP1B	Y	-106.509	5.5
29	MP1B	My	.096	5.5
30	MP1B	Mz	-.006	5.5
31	MP1C	Y	-106.509	.5
32	MP1C	My	-.043	.5
33	MP1C	Mz	.086	.5
34	MP1C	Y	-106.509	5.5
35	MP1C	My	-.043	5.5
36	MP1C	Mz	.086	5.5
37	MP3A	Y	-35.058	2
38	MP3A	My	-.018	2
39	MP3A	Mz	0	2
40	MP3A	Y	-35.058	4
41	MP3A	My	-.018	4
42	MP3A	Mz	0	4
43	MP3B	Y	-35.058	2
44	MP3B	My	.009	2
45	MP3B	Mz	-.015	2
46	MP3B	Y	-35.058	4
47	MP3B	My	.009	4
48	MP3B	Mz	-.015	4
49	MP3C	Y	-35.058	2
50	MP3C	My	.009	2
51	MP3C	Mz	.015	2
52	MP3C	Y	-35.058	4
53	MP3C	My	.009	4
54	MP3C	Mz	.015	4
55	MP2A	Y	-44.189	4.25
56	MP2A	My	-.022	4.25
57	MP2A	Mz	0	4.25
58	MP2B	Y	-44.189	4.25
59	MP2B	My	.011	4.25
60	MP2B	Mz	-.019	4.25
61	MP2C	Y	-44.189	4.25
62	MP2C	My	.011	4.25
63	MP2C	Mz	.019	4.25
64	MP2A	Y	-42.079	1.5
65	MP2A	My	-.021	1.5
66	MP2A	Mz	0	1.5
67	MP2B	Y	-42.079	1.5
68	MP2B	My	.011	1.5
69	MP2B	Mz	-.018	1.5
70	MP2C	Y	-42.079	1.5
71	MP2C	My	.011	1.5
72	MP2C	Mz	.018	1.5
73	OVP	Y	-86.563	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	OVP	My	0	1.5
75	OVP	Mz	0	1.5
76	MP1B	Y	-17.514	4.5
77	MP1B	My	-.004	4.5
78	MP1B	Mz	.008	4.5
79	MP1C	Y	-17.514	4.5
80	MP1C	My	-.004	4.5
81	MP1C	Mz	-.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-124.688	.5
3	MP1A	Mx	-.094	.5
4	MP1A	X	0	5.5
5	MP1A	Z	-124.688	5.5
6	MP1A	Mx	-.094	5.5
7	MP1B	X	0	.5
8	MP1B	Z	-101.162	.5
9	MP1B	Mx	.082	.5
10	MP1B	X	0	5.5
11	MP1B	Z	-101.162	5.5
12	MP1B	Mx	.082	5.5
13	MP1C	X	0	.5
14	MP1C	Z	-101.162	.5
15	MP1C	Mx	-.006	.5
16	MP1C	X	0	5.5
17	MP1C	Z	-101.162	5.5
18	MP1C	Mx	-.006	5.5
19	MP1A	X	0	.5
20	MP1A	Z	-124.688	.5
21	MP1A	Mx	.094	.5
22	MP1A	X	0	5.5
23	MP1A	Z	-124.688	5.5
24	MP1A	Mx	.094	5.5
25	MP1B	X	0	.5
26	MP1B	Z	-101.162	.5
27	MP1B	Mx	.006	.5
28	MP1B	X	0	5.5
29	MP1B	Z	-101.162	5.5
30	MP1B	Mx	.006	5.5
31	MP1C	X	0	.5
32	MP1C	Z	-101.162	.5
33	MP1C	Mx	-.082	.5
34	MP1C	X	0	5.5
35	MP1C	Z	-101.162	5.5
36	MP1C	Mx	-.082	5.5
37	MP3A	X	0	2
38	MP3A	Z	-76.852	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	-76.852	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	-39.063	2
45	MP3B	Mx	.017	2
46	MP3B	X	0	4
47	MP3B	Z	-39.063	4
48	MP3B	Mx	.017	4
49	MP3C	X	0	2
50	MP3C	Z	-39.063	2
51	MP3C	Mx	-.017	2
52	MP3C	X	0	4
53	MP3C	Z	-39.063	4
54	MP3C	Mx	-.017	4
55	MP2A	X	0	4.25
56	MP2A	Z	-60.776	4.25
57	MP2A	Mx	0	4.25
58	MP2B	X	0	4.25
59	MP2B	Z	-45.778	4.25
60	MP2B	Mx	.02	4.25
61	MP2C	X	0	4.25
62	MP2C	Z	-45.778	4.25
63	MP2C	Mx	-.02	4.25
64	MP2A	X	0	1.5
65	MP2A	Z	-60.776	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	-42.837	1.5
69	MP2B	Mx	.019	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	-42.837	1.5
72	MP2C	Mx	-.019	1.5
73	OVP	X	0	1.5
74	OVP	Z	-94.496	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	0	4.5
77	MP1B	Z	-18.61	4.5
78	MP1B	Mx	-.008	4.5
79	MP1C	X	0	4.5
80	MP1C	Z	-18.61	4.5
81	MP1C	Mx	.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	58.423	.5
2	MP1A	Z	-101.192	.5
3	MP1A	Mx	-.105	.5
4	MP1A	X	58.423	5.5
5	MP1A	Z	-101.192	5.5
6	MP1A	Mx	-.105	5.5
7	MP1B	X	46.66	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1B	Z	-80.818	.5
9	MP1B	Mx	.047	.5
10	MP1B	X	46.66	5.5
11	MP1B	Z	-80.818	5.5
12	MP1B	Mx	.047	5.5
13	MP1C	X	58.423	.5
14	MP1C	Z	-101.192	.5
15	MP1C	Mx	.047	.5
16	MP1C	X	58.423	5.5
17	MP1C	Z	-101.192	5.5
18	MP1C	Mx	.047	5.5
19	MP1A	X	58.423	.5
20	MP1A	Z	-101.192	.5
21	MP1A	Mx	.047	.5
22	MP1A	X	58.423	5.5
23	MP1A	Z	-101.192	5.5
24	MP1A	Mx	.047	5.5
25	MP1B	X	46.66	.5
26	MP1B	Z	-80.818	.5
27	MP1B	Mx	.047	.5
28	MP1B	X	46.66	5.5
29	MP1B	Z	-80.818	5.5
30	MP1B	Mx	.047	5.5
31	MP1C	X	58.423	.5
32	MP1C	Z	-101.192	.5
33	MP1C	Mx	-.105	.5
34	MP1C	X	58.423	5.5
35	MP1C	Z	-101.192	5.5
36	MP1C	Mx	-.105	5.5
37	MP3A	X	32.128	2
38	MP3A	Z	-55.647	2
39	MP3A	Mx	-.016	2
40	MP3A	X	32.128	4
41	MP3A	Z	-55.647	4
42	MP3A	Mx	-.016	4
43	MP3B	X	13.233	2
44	MP3B	Z	-22.921	2
45	MP3B	Mx	.013	2
46	MP3B	X	13.233	4
47	MP3B	Z	-22.921	4
48	MP3B	Mx	.013	4
49	MP3C	X	32.128	2
50	MP3C	Z	-55.647	2
51	MP3C	Mx	-.016	2
52	MP3C	X	32.128	4
53	MP3C	Z	-55.647	4
54	MP3C	Mx	-.016	4
55	MP2A	X	27.888	4.25
56	MP2A	Z	-48.304	4.25
57	MP2A	Mx	-.014	4.25
58	MP2B	X	20.389	4.25
59	MP2B	Z	-35.315	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2B	Mx	.02	4.25
61	MP2C	X	27.888	4.25
62	MP2C	Z	-48.304	4.25
63	MP2C	Mx	-.014	4.25
64	MP2A	X	27.398	1.5
65	MP2A	Z	-47.455	1.5
66	MP2A	Mx	-.014	1.5
67	MP2B	X	18.429	1.5
68	MP2B	Z	-31.92	1.5
69	MP2B	Mx	.018	1.5
70	MP2C	X	27.398	1.5
71	MP2C	Z	-47.455	1.5
72	MP2C	Mx	-.014	1.5
73	OVP	X	50.973	1.5
74	OVP	Z	-88.288	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	6.133	4.5
77	MP1B	Z	-10.622	4.5
78	MP1B	Mx	-.006	4.5
79	MP1C	X	15.649	4.5
80	MP1C	Z	-27.105	4.5
81	MP1C	Mx	.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	87.609	.5
2	MP1A	Z	-50.581	.5
3	MP1A	Mx	-.082	.5
4	MP1A	X	87.609	5.5
5	MP1A	Z	-50.581	5.5
6	MP1A	Mx	-.082	5.5
7	MP1B	X	87.609	.5
8	MP1B	Z	-50.581	.5
9	MP1B	Mx	.006	.5
10	MP1B	X	87.609	5.5
11	MP1B	Z	-50.581	5.5
12	MP1B	Mx	.006	5.5
13	MP1C	X	107.983	.5
14	MP1C	Z	-62.344	.5
15	MP1C	Mx	.094	.5
16	MP1C	X	107.983	5.5
17	MP1C	Z	-62.344	5.5
18	MP1C	Mx	.094	5.5
19	MP1A	X	87.609	.5
20	MP1A	Z	-50.581	.5
21	MP1A	Mx	-.006	.5
22	MP1A	X	87.609	5.5
23	MP1A	Z	-50.581	5.5
24	MP1A	Mx	-.006	5.5
25	MP1B	X	87.609	.5
26	MP1B	Z	-50.581	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP1B	Mx	.082	.5
28	MP1B	X	87.609	5.5
29	MP1B	Z	-50.581	5.5
30	MP1B	Mx	.082	5.5
31	MP1C	X	107.983	.5
32	MP1C	Z	-62.344	.5
33	MP1C	Mx	-.094	.5
34	MP1C	X	107.983	5.5
35	MP1C	Z	-62.344	5.5
36	MP1C	Mx	-.094	5.5
37	MP3A	X	33.83	2
38	MP3A	Z	-19.532	2
39	MP3A	Mx	-.017	2
40	MP3A	X	33.83	4
41	MP3A	Z	-19.532	4
42	MP3A	Mx	-.017	4
43	MP3B	X	33.83	2
44	MP3B	Z	-19.532	2
45	MP3B	Mx	.017	2
46	MP3B	X	33.83	4
47	MP3B	Z	-19.532	4
48	MP3B	Mx	.017	4
49	MP3C	X	66.556	2
50	MP3C	Z	-38.426	2
51	MP3C	Mx	0	2
52	MP3C	X	66.556	4
53	MP3C	Z	-38.426	4
54	MP3C	Mx	0	4
55	MP2A	X	39.645	4.25
56	MP2A	Z	-22.889	4.25
57	MP2A	Mx	-.02	4.25
58	MP2B	X	39.645	4.25
59	MP2B	Z	-22.889	4.25
60	MP2B	Mx	.02	4.25
61	MP2C	X	52.633	4.25
62	MP2C	Z	-30.388	4.25
63	MP2C	Mx	0	4.25
64	MP2A	X	37.098	1.5
65	MP2A	Z	-21.419	1.5
66	MP2A	Mx	-.019	1.5
67	MP2B	X	37.098	1.5
68	MP2B	Z	-21.419	1.5
69	MP2B	Mx	.019	1.5
70	MP2C	X	52.633	1.5
71	MP2C	Z	-30.388	1.5
72	MP2C	Mx	0	1.5
73	OVP	X	101.192	1.5
74	OVP	Z	-58.423	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	16.116	4.5
77	MP1B	Z	-9.305	4.5
78	MP1B	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1C	X	32.599	4.5
80	MP1C	Z	-18.821	4.5
81	MP1C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	93.32	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.047	.5
4	MP1A	X	93.32	5.5
5	MP1A	Z	0	5.5
6	MP1A	Mx	-.047	5.5
7	MP1B	X	116.846	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.047	.5
10	MP1B	X	116.846	5.5
11	MP1B	Z	0	5.5
12	MP1B	Mx	-.047	5.5
13	MP1C	X	116.846	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.105	.5
16	MP1C	X	116.846	5.5
17	MP1C	Z	0	5.5
18	MP1C	Mx	.105	5.5
19	MP1A	X	93.32	.5
20	MP1A	Z	0	.5
21	MP1A	Mx	-.047	.5
22	MP1A	X	93.32	5.5
23	MP1A	Z	0	5.5
24	MP1A	Mx	-.047	5.5
25	MP1B	X	116.846	.5
26	MP1B	Z	0	.5
27	MP1B	Mx	.105	.5
28	MP1B	X	116.846	5.5
29	MP1B	Z	0	5.5
30	MP1B	Mx	.105	5.5
31	MP1C	X	116.846	.5
32	MP1C	Z	0	.5
33	MP1C	Mx	-.047	.5
34	MP1C	X	116.846	5.5
35	MP1C	Z	0	5.5
36	MP1C	Mx	-.047	5.5
37	MP3A	X	26.467	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.013	2
40	MP3A	X	26.467	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.013	4
43	MP3B	X	64.256	2
44	MP3B	Z	0	2
45	MP3B	Mx	.016	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	64.256	4
47	MP3B	Z	0	4
48	MP3B	Mx	.016	4
49	MP3C	X	64.256	2
50	MP3C	Z	0	2
51	MP3C	Mx	.016	2
52	MP3C	X	64.256	4
53	MP3C	Z	0	4
54	MP3C	Mx	.016	4
55	MP2A	X	40.779	4.25
56	MP2A	Z	0	4.25
57	MP2A	Mx	-.02	4.25
58	MP2B	X	55.776	4.25
59	MP2B	Z	0	4.25
60	MP2B	Mx	.014	4.25
61	MP2C	X	55.776	4.25
62	MP2C	Z	0	4.25
63	MP2C	Mx	.014	4.25
64	MP2A	X	36.858	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	-.018	1.5
67	MP2B	X	54.796	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	.014	1.5
70	MP2C	X	54.796	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	.014	1.5
73	OVP	X	124.296	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	31.298	4.5
77	MP1B	Z	0	4.5
78	MP1B	Mx	-.008	4.5
79	MP1C	X	31.298	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	87.609	.5
2	MP1A	Z	50.581	.5
3	MP1A	Mx	-.006	.5
4	MP1A	X	87.609	5.5
5	MP1A	Z	50.581	5.5
6	MP1A	Mx	-.006	5.5
7	MP1B	X	107.983	.5
8	MP1B	Z	62.344	.5
9	MP1B	Mx	-.094	.5
10	MP1B	X	107.983	5.5
11	MP1B	Z	62.344	5.5
12	MP1B	Mx	-.094	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1C	X	87.609	.5
14	MP1C	Z	50.581	.5
15	MP1C	Mx	.082	.5
16	MP1C	X	87.609	5.5
17	MP1C	Z	50.581	5.5
18	MP1C	Mx	.082	5.5
19	MP1A	X	87.609	.5
20	MP1A	Z	50.581	.5
21	MP1A	Mx	-.082	.5
22	MP1A	X	87.609	5.5
23	MP1A	Z	50.581	5.5
24	MP1A	Mx	-.082	5.5
25	MP1B	X	107.983	.5
26	MP1B	Z	62.344	.5
27	MP1B	Mx	.094	.5
28	MP1B	X	107.983	5.5
29	MP1B	Z	62.344	5.5
30	MP1B	Mx	.094	5.5
31	MP1C	X	87.609	.5
32	MP1C	Z	50.581	.5
33	MP1C	Mx	.006	.5
34	MP1C	X	87.609	5.5
35	MP1C	Z	50.581	5.5
36	MP1C	Mx	.006	5.5
37	MP3A	X	33.83	2
38	MP3A	Z	19.532	2
39	MP3A	Mx	-.017	2
40	MP3A	X	33.83	4
41	MP3A	Z	19.532	4
42	MP3A	Mx	-.017	4
43	MP3B	X	66.556	2
44	MP3B	Z	38.426	2
45	MP3B	Mx	0	2
46	MP3B	X	66.556	4
47	MP3B	Z	38.426	4
48	MP3B	Mx	0	4
49	MP3C	X	33.83	2
50	MP3C	Z	19.532	2
51	MP3C	Mx	.017	2
52	MP3C	X	33.83	4
53	MP3C	Z	19.532	4
54	MP3C	Mx	.017	4
55	MP2A	X	39.645	4.25
56	MP2A	Z	22.889	4.25
57	MP2A	Mx	-.02	4.25
58	MP2B	X	52.633	4.25
59	MP2B	Z	30.388	4.25
60	MP2B	Mx	0	4.25
61	MP2C	X	39.645	4.25
62	MP2C	Z	22.889	4.25
63	MP2C	Mx	.02	4.25
64	MP2A	X	37.098	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	21.419	1.5
66	MP2A	Mx	-.019	1.5
67	MP2B	X	52.633	1.5
68	MP2B	Z	30.388	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	37.098	1.5
71	MP2C	Z	21.419	1.5
72	MP2C	Mx	.019	1.5
73	OVP	X	101.192	1.5
74	OVP	Z	58.423	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	32.599	4.5
77	MP1B	Z	18.821	4.5
78	MP1B	Mx	0	4.5
79	MP1C	X	16.116	4.5
80	MP1C	Z	9.305	4.5
81	MP1C	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	58.423	.5
2	MP1A	Z	101.192	.5
3	MP1A	Mx	.047	.5
4	MP1A	X	58.423	5.5
5	MP1A	Z	101.192	5.5
6	MP1A	Mx	.047	5.5
7	MP1B	X	58.423	.5
8	MP1B	Z	101.192	.5
9	MP1B	Mx	-.105	.5
10	MP1B	X	58.423	5.5
11	MP1B	Z	101.192	5.5
12	MP1B	Mx	-.105	5.5
13	MP1C	X	46.66	.5
14	MP1C	Z	80.818	.5
15	MP1C	Mx	.047	.5
16	MP1C	X	46.66	5.5
17	MP1C	Z	80.818	5.5
18	MP1C	Mx	.047	5.5
19	MP1A	X	58.423	.5
20	MP1A	Z	101.192	.5
21	MP1A	Mx	-.105	.5
22	MP1A	X	58.423	5.5
23	MP1A	Z	101.192	5.5
24	MP1A	Mx	-.105	5.5
25	MP1B	X	58.423	.5
26	MP1B	Z	101.192	.5
27	MP1B	Mx	.047	.5
28	MP1B	X	58.423	5.5
29	MP1B	Z	101.192	5.5
30	MP1B	Mx	.047	5.5
31	MP1C	X	46.66	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1C	Z	80.818	.5
33	MP1C	Mx	.047	.5
34	MP1C	X	46.66	5.5
35	MP1C	Z	80.818	5.5
36	MP1C	Mx	.047	5.5
37	MP3A	X	32.128	2
38	MP3A	Z	55.647	2
39	MP3A	Mx	-.016	2
40	MP3A	X	32.128	4
41	MP3A	Z	55.647	4
42	MP3A	Mx	-.016	4
43	MP3B	X	32.128	2
44	MP3B	Z	55.647	2
45	MP3B	Mx	-.016	2
46	MP3B	X	32.128	4
47	MP3B	Z	55.647	4
48	MP3B	Mx	-.016	4
49	MP3C	X	13.233	2
50	MP3C	Z	22.921	2
51	MP3C	Mx	.013	2
52	MP3C	X	13.233	4
53	MP3C	Z	22.921	4
54	MP3C	Mx	.013	4
55	MP2A	X	27.888	4.25
56	MP2A	Z	48.304	4.25
57	MP2A	Mx	-.014	4.25
58	MP2B	X	27.888	4.25
59	MP2B	Z	48.304	4.25
60	MP2B	Mx	-.014	4.25
61	MP2C	X	20.389	4.25
62	MP2C	Z	35.315	4.25
63	MP2C	Mx	.02	4.25
64	MP2A	X	27.398	1.5
65	MP2A	Z	47.455	1.5
66	MP2A	Mx	-.014	1.5
67	MP2B	X	27.398	1.5
68	MP2B	Z	47.455	1.5
69	MP2B	Mx	-.014	1.5
70	MP2C	X	18.429	1.5
71	MP2C	Z	31.92	1.5
72	MP2C	Mx	.018	1.5
73	OVP	X	50.973	1.5
74	OVP	Z	88.288	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	15.649	4.5
77	MP1B	Z	27.105	4.5
78	MP1B	Mx	.008	4.5
79	MP1C	X	6.133	4.5
80	MP1C	Z	10.622	4.5
81	MP1C	Mx	-.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	124.688	.5
3	MP1A	Mx	.094	.5
4	MP1A	X	0	5.5
5	MP1A	Z	124.688	5.5
6	MP1A	Mx	.094	5.5
7	MP1B	X	0	.5
8	MP1B	Z	101.162	.5
9	MP1B	Mx	-.082	.5
10	MP1B	X	0	5.5
11	MP1B	Z	101.162	5.5
12	MP1B	Mx	-.082	5.5
13	MP1C	X	0	.5
14	MP1C	Z	101.162	.5
15	MP1C	Mx	.006	.5
16	MP1C	X	0	5.5
17	MP1C	Z	101.162	5.5
18	MP1C	Mx	.006	5.5
19	MP1A	X	0	.5
20	MP1A	Z	124.688	.5
21	MP1A	Mx	-.094	.5
22	MP1A	X	0	5.5
23	MP1A	Z	124.688	5.5
24	MP1A	Mx	-.094	5.5
25	MP1B	X	0	.5
26	MP1B	Z	101.162	.5
27	MP1B	Mx	-.006	.5
28	MP1B	X	0	5.5
29	MP1B	Z	101.162	5.5
30	MP1B	Mx	-.006	5.5
31	MP1C	X	0	.5
32	MP1C	Z	101.162	.5
33	MP1C	Mx	.082	.5
34	MP1C	X	0	5.5
35	MP1C	Z	101.162	5.5
36	MP1C	Mx	.082	5.5
37	MP3A	X	0	2
38	MP3A	Z	76.852	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	76.852	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	39.063	2
45	MP3B	Mx	-.017	2
46	MP3B	X	0	4
47	MP3B	Z	39.063	4
48	MP3B	Mx	-.017	4
49	MP3C	X	0	2
50	MP3C	Z	39.063	2
51	MP3C	Mx	.017	2
52	MP3C	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	39.063	4
54	MP3C	Mx	.017	4
55	MP2A	X	0	4.25
56	MP2A	Z	60.776	4.25
57	MP2A	Mx	0	4.25
58	MP2B	X	0	4.25
59	MP2B	Z	45.778	4.25
60	MP2B	Mx	-.02	4.25
61	MP2C	X	0	4.25
62	MP2C	Z	45.778	4.25
63	MP2C	Mx	.02	4.25
64	MP2A	X	0	1.5
65	MP2A	Z	60.776	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	42.837	1.5
69	MP2B	Mx	-.019	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	42.837	1.5
72	MP2C	Mx	.019	1.5
73	OVP	X	0	1.5
74	OVP	Z	94.496	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	0	4.5
77	MP1B	Z	18.61	4.5
78	MP1B	Mx	.008	4.5
79	MP1C	X	0	4.5
80	MP1C	Z	18.61	4.5
81	MP1C	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-58.423	.5
2	MP1A	Z	101.192	.5
3	MP1A	Mx	.105	.5
4	MP1A	X	-58.423	5.5
5	MP1A	Z	101.192	5.5
6	MP1A	Mx	.105	5.5
7	MP1B	X	-46.66	.5
8	MP1B	Z	80.818	.5
9	MP1B	Mx	-.047	.5
10	MP1B	X	-46.66	5.5
11	MP1B	Z	80.818	5.5
12	MP1B	Mx	-.047	5.5
13	MP1C	X	-58.423	.5
14	MP1C	Z	101.192	.5
15	MP1C	Mx	-.047	.5
16	MP1C	X	-58.423	5.5
17	MP1C	Z	101.192	5.5
18	MP1C	Mx	-.047	5.5
19	MP1A	X	-58.423	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP1A	Z	101.192	.5
21	MP1A	Mx	-.047	.5
22	MP1A	X	-58.423	5.5
23	MP1A	Z	101.192	5.5
24	MP1A	Mx	-.047	5.5
25	MP1B	X	-46.66	.5
26	MP1B	Z	80.818	.5
27	MP1B	Mx	-.047	.5
28	MP1B	X	-46.66	5.5
29	MP1B	Z	80.818	5.5
30	MP1B	Mx	-.047	5.5
31	MP1C	X	-58.423	.5
32	MP1C	Z	101.192	.5
33	MP1C	Mx	.105	.5
34	MP1C	X	-58.423	5.5
35	MP1C	Z	101.192	5.5
36	MP1C	Mx	.105	5.5
37	MP3A	X	-32.128	2
38	MP3A	Z	55.647	2
39	MP3A	Mx	.016	2
40	MP3A	X	-32.128	4
41	MP3A	Z	55.647	4
42	MP3A	Mx	.016	4
43	MP3B	X	-13.233	2
44	MP3B	Z	22.921	2
45	MP3B	Mx	-.013	2
46	MP3B	X	-13.233	4
47	MP3B	Z	22.921	4
48	MP3B	Mx	-.013	4
49	MP3C	X	-32.128	2
50	MP3C	Z	55.647	2
51	MP3C	Mx	.016	2
52	MP3C	X	-32.128	4
53	MP3C	Z	55.647	4
54	MP3C	Mx	.016	4
55	MP2A	X	-27.888	4.25
56	MP2A	Z	48.304	4.25
57	MP2A	Mx	.014	4.25
58	MP2B	X	-20.389	4.25
59	MP2B	Z	35.315	4.25
60	MP2B	Mx	-.02	4.25
61	MP2C	X	-27.888	4.25
62	MP2C	Z	48.304	4.25
63	MP2C	Mx	.014	4.25
64	MP2A	X	-27.398	1.5
65	MP2A	Z	47.455	1.5
66	MP2A	Mx	.014	1.5
67	MP2B	X	-18.429	1.5
68	MP2B	Z	31.92	1.5
69	MP2B	Mx	-.018	1.5
70	MP2C	X	-27.398	1.5
71	MP2C	Z	47.455	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	.014	1.5
73	OVP	X	-50.973	1.5
74	OVP	Z	88.288	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-6.133	4.5
77	MP1B	Z	10.622	4.5
78	MP1B	Mx	.006	4.5
79	MP1C	X	-15.649	4.5
80	MP1C	Z	27.105	4.5
81	MP1C	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-87.609	.5
2	MP1A	Z	50.581	.5
3	MP1A	Mx	.082	.5
4	MP1A	X	-87.609	5.5
5	MP1A	Z	50.581	5.5
6	MP1A	Mx	.082	5.5
7	MP1B	X	-87.609	.5
8	MP1B	Z	50.581	.5
9	MP1B	Mx	-.006	.5
10	MP1B	X	-87.609	5.5
11	MP1B	Z	50.581	5.5
12	MP1B	Mx	-.006	5.5
13	MP1C	X	-107.983	.5
14	MP1C	Z	62.344	.5
15	MP1C	Mx	-.094	.5
16	MP1C	X	-107.983	5.5
17	MP1C	Z	62.344	5.5
18	MP1C	Mx	-.094	5.5
19	MP1A	X	-87.609	.5
20	MP1A	Z	50.581	.5
21	MP1A	Mx	.006	.5
22	MP1A	X	-87.609	5.5
23	MP1A	Z	50.581	5.5
24	MP1A	Mx	.006	5.5
25	MP1B	X	-87.609	.5
26	MP1B	Z	50.581	.5
27	MP1B	Mx	-.082	.5
28	MP1B	X	-87.609	5.5
29	MP1B	Z	50.581	5.5
30	MP1B	Mx	-.082	5.5
31	MP1C	X	-107.983	.5
32	MP1C	Z	62.344	.5
33	MP1C	Mx	.094	.5
34	MP1C	X	-107.983	5.5
35	MP1C	Z	62.344	5.5
36	MP1C	Mx	.094	5.5
37	MP3A	X	-33.83	2
38	MP3A	Z	19.532	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	.017	2
40	MP3A	X	-33.83	4
41	MP3A	Z	19.532	4
42	MP3A	Mx	.017	4
43	MP3B	X	-33.83	2
44	MP3B	Z	19.532	2
45	MP3B	Mx	-.017	2
46	MP3B	X	-33.83	4
47	MP3B	Z	19.532	4
48	MP3B	Mx	-.017	4
49	MP3C	X	-66.556	2
50	MP3C	Z	38.426	2
51	MP3C	Mx	0	2
52	MP3C	X	-66.556	4
53	MP3C	Z	38.426	4
54	MP3C	Mx	0	4
55	MP2A	X	-39.645	4.25
56	MP2A	Z	22.889	4.25
57	MP2A	Mx	.02	4.25
58	MP2B	X	-39.645	4.25
59	MP2B	Z	22.889	4.25
60	MP2B	Mx	-.02	4.25
61	MP2C	X	-52.633	4.25
62	MP2C	Z	30.388	4.25
63	MP2C	Mx	0	4.25
64	MP2A	X	-37.098	1.5
65	MP2A	Z	21.419	1.5
66	MP2A	Mx	.019	1.5
67	MP2B	X	-37.098	1.5
68	MP2B	Z	21.419	1.5
69	MP2B	Mx	-.019	1.5
70	MP2C	X	-52.633	1.5
71	MP2C	Z	30.388	1.5
72	MP2C	Mx	0	1.5
73	OVP	X	-101.192	1.5
74	OVP	Z	58.423	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-16.116	4.5
77	MP1B	Z	9.305	4.5
78	MP1B	Mx	.008	4.5
79	MP1C	X	-32.599	4.5
80	MP1C	Z	18.821	4.5
81	MP1C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-93.32	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.047	.5
4	MP1A	X	-93.32	5.5
5	MP1A	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	.047	5.5
7	MP1B	X	-116.846	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.047	.5
10	MP1B	X	-116.846	5.5
11	MP1B	Z	0	5.5
12	MP1B	Mx	.047	5.5
13	MP1C	X	-116.846	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.105	.5
16	MP1C	X	-116.846	5.5
17	MP1C	Z	0	5.5
18	MP1C	Mx	-.105	5.5
19	MP1A	X	-93.32	.5
20	MP1A	Z	0	.5
21	MP1A	Mx	.047	.5
22	MP1A	X	-93.32	5.5
23	MP1A	Z	0	5.5
24	MP1A	Mx	.047	5.5
25	MP1B	X	-116.846	.5
26	MP1B	Z	0	.5
27	MP1B	Mx	-.105	.5
28	MP1B	X	-116.846	5.5
29	MP1B	Z	0	5.5
30	MP1B	Mx	-.105	5.5
31	MP1C	X	-116.846	.5
32	MP1C	Z	0	.5
33	MP1C	Mx	.047	.5
34	MP1C	X	-116.846	5.5
35	MP1C	Z	0	5.5
36	MP1C	Mx	.047	5.5
37	MP3A	X	-26.467	2
38	MP3A	Z	0	2
39	MP3A	Mx	.013	2
40	MP3A	X	-26.467	4
41	MP3A	Z	0	4
42	MP3A	Mx	.013	4
43	MP3B	X	-64.256	2
44	MP3B	Z	0	2
45	MP3B	Mx	-.016	2
46	MP3B	X	-64.256	4
47	MP3B	Z	0	4
48	MP3B	Mx	-.016	4
49	MP3C	X	-64.256	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.016	2
52	MP3C	X	-64.256	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.016	4
55	MP2A	X	-40.779	4.25
56	MP2A	Z	0	4.25
57	MP2A	Mx	.02	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-55.776	4.25
59	MP2B	Z	0	4.25
60	MP2B	Mx	-.014	4.25
61	MP2C	X	-55.776	4.25
62	MP2C	Z	0	4.25
63	MP2C	Mx	-.014	4.25
64	MP2A	X	-36.858	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	.018	1.5
67	MP2B	X	-54.796	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	-.014	1.5
70	MP2C	X	-54.796	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	-.014	1.5
73	OVP	X	-124.296	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-31.298	4.5
77	MP1B	Z	0	4.5
78	MP1B	Mx	.008	4.5
79	MP1C	X	-31.298	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-87.609	.5
2	MP1A	Z	-50.581	.5
3	MP1A	Mx	.006	.5
4	MP1A	X	-87.609	5.5
5	MP1A	Z	-50.581	5.5
6	MP1A	Mx	.006	5.5
7	MP1B	X	-107.983	.5
8	MP1B	Z	-62.344	.5
9	MP1B	Mx	.094	.5
10	MP1B	X	-107.983	5.5
11	MP1B	Z	-62.344	5.5
12	MP1B	Mx	.094	5.5
13	MP1C	X	-87.609	.5
14	MP1C	Z	-50.581	.5
15	MP1C	Mx	-.082	.5
16	MP1C	X	-87.609	5.5
17	MP1C	Z	-50.581	5.5
18	MP1C	Mx	-.082	5.5
19	MP1A	X	-87.609	.5
20	MP1A	Z	-50.581	.5
21	MP1A	Mx	.082	.5
22	MP1A	X	-87.609	5.5
23	MP1A	Z	-50.581	5.5
24	MP1A	Mx	.082	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP1B	X	-107.983	.5
26	MP1B	Z	-62.344	.5
27	MP1B	Mx	-.094	.5
28	MP1B	X	-107.983	5.5
29	MP1B	Z	-62.344	5.5
30	MP1B	Mx	-.094	5.5
31	MP1C	X	-87.609	.5
32	MP1C	Z	-50.581	.5
33	MP1C	Mx	-.006	.5
34	MP1C	X	-87.609	5.5
35	MP1C	Z	-50.581	5.5
36	MP1C	Mx	-.006	5.5
37	MP3A	X	-33.83	2
38	MP3A	Z	-19.532	2
39	MP3A	Mx	.017	2
40	MP3A	X	-33.83	4
41	MP3A	Z	-19.532	4
42	MP3A	Mx	.017	4
43	MP3B	X	-66.556	2
44	MP3B	Z	-38.426	2
45	MP3B	Mx	0	2
46	MP3B	X	-66.556	4
47	MP3B	Z	-38.426	4
48	MP3B	Mx	0	4
49	MP3C	X	-33.83	2
50	MP3C	Z	-19.532	2
51	MP3C	Mx	-.017	2
52	MP3C	X	-33.83	4
53	MP3C	Z	-19.532	4
54	MP3C	Mx	-.017	4
55	MP2A	X	-39.645	4.25
56	MP2A	Z	-22.889	4.25
57	MP2A	Mx	.02	4.25
58	MP2B	X	-52.633	4.25
59	MP2B	Z	-30.388	4.25
60	MP2B	Mx	0	4.25
61	MP2C	X	-39.645	4.25
62	MP2C	Z	-22.889	4.25
63	MP2C	Mx	-.02	4.25
64	MP2A	X	-37.098	1.5
65	MP2A	Z	-21.419	1.5
66	MP2A	Mx	.019	1.5
67	MP2B	X	-52.633	1.5
68	MP2B	Z	-30.388	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	-37.098	1.5
71	MP2C	Z	-21.419	1.5
72	MP2C	Mx	-.019	1.5
73	OVP	X	-101.192	1.5
74	OVP	Z	-58.423	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-32.599	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1B	Z	-18.821	4.5
78	MP1B	Mx	0	4.5
79	MP1C	X	-16.116	4.5
80	MP1C	Z	-9.305	4.5
81	MP1C	Mx	.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-58.423	.5
2	MP1A	Z	-101.192	.5
3	MP1A	Mx	-.047	.5
4	MP1A	X	-58.423	5.5
5	MP1A	Z	-101.192	5.5
6	MP1A	Mx	-.047	5.5
7	MP1B	X	-58.423	.5
8	MP1B	Z	-101.192	.5
9	MP1B	Mx	.105	.5
10	MP1B	X	-58.423	5.5
11	MP1B	Z	-101.192	5.5
12	MP1B	Mx	.105	5.5
13	MP1C	X	-46.66	.5
14	MP1C	Z	-80.818	.5
15	MP1C	Mx	-.047	.5
16	MP1C	X	-46.66	5.5
17	MP1C	Z	-80.818	5.5
18	MP1C	Mx	-.047	5.5
19	MP1A	X	-58.423	.5
20	MP1A	Z	-101.192	.5
21	MP1A	Mx	.105	.5
22	MP1A	X	-58.423	5.5
23	MP1A	Z	-101.192	5.5
24	MP1A	Mx	.105	5.5
25	MP1B	X	-58.423	.5
26	MP1B	Z	-101.192	.5
27	MP1B	Mx	-.047	.5
28	MP1B	X	-58.423	5.5
29	MP1B	Z	-101.192	5.5
30	MP1B	Mx	-.047	5.5
31	MP1C	X	-46.66	.5
32	MP1C	Z	-80.818	.5
33	MP1C	Mx	-.047	.5
34	MP1C	X	-46.66	5.5
35	MP1C	Z	-80.818	5.5
36	MP1C	Mx	-.047	5.5
37	MP3A	X	-32.128	2
38	MP3A	Z	-55.647	2
39	MP3A	Mx	.016	2
40	MP3A	X	-32.128	4
41	MP3A	Z	-55.647	4
42	MP3A	Mx	.016	4
43	MP3B	X	-32.128	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	-55.647	2
45	MP3B	Mx	.016	2
46	MP3B	X	-32.128	4
47	MP3B	Z	-55.647	4
48	MP3B	Mx	.016	4
49	MP3C	X	-13.233	2
50	MP3C	Z	-22.921	2
51	MP3C	Mx	-.013	2
52	MP3C	X	-13.233	4
53	MP3C	Z	-22.921	4
54	MP3C	Mx	-.013	4
55	MP2A	X	-27.888	4.25
56	MP2A	Z	-48.304	4.25
57	MP2A	Mx	.014	4.25
58	MP2B	X	-27.888	4.25
59	MP2B	Z	-48.304	4.25
60	MP2B	Mx	.014	4.25
61	MP2C	X	-20.389	4.25
62	MP2C	Z	-35.315	4.25
63	MP2C	Mx	-.02	4.25
64	MP2A	X	-27.398	1.5
65	MP2A	Z	-47.455	1.5
66	MP2A	Mx	.014	1.5
67	MP2B	X	-27.398	1.5
68	MP2B	Z	-47.455	1.5
69	MP2B	Mx	.014	1.5
70	MP2C	X	-18.429	1.5
71	MP2C	Z	-31.92	1.5
72	MP2C	Mx	-.018	1.5
73	OVP	X	-50.973	1.5
74	OVP	Z	-88.288	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-15.649	4.5
77	MP1B	Z	-27.105	4.5
78	MP1B	Mx	-.008	4.5
79	MP1C	X	-6.133	4.5
80	MP1C	Z	-10.622	4.5
81	MP1C	Mx	.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-53.073	.5
3	MP1A	Mx	-.04	.5
4	MP1A	X	0	5.5
5	MP1A	Z	-53.073	5.5
6	MP1A	Mx	-.04	5.5
7	MP1B	X	0	.5
8	MP1B	Z	-43.652	.5
9	MP1B	Mx	.035	.5
10	MP1B	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	-43.652	5.5
12	MP1B	Mx	.035	5.5
13	MP1C	X	0	.5
14	MP1C	Z	-43.652	.5
15	MP1C	Mx	-.003	.5
16	MP1C	X	0	5.5
17	MP1C	Z	-43.652	5.5
18	MP1C	Mx	-.003	5.5
19	MP1A	X	0	.5
20	MP1A	Z	-53.073	.5
21	MP1A	Mx	.04	.5
22	MP1A	X	0	5.5
23	MP1A	Z	-53.073	5.5
24	MP1A	Mx	.04	5.5
25	MP1B	X	0	.5
26	MP1B	Z	-43.652	.5
27	MP1B	Mx	.003	.5
28	MP1B	X	0	5.5
29	MP1B	Z	-43.652	5.5
30	MP1B	Mx	.003	5.5
31	MP1C	X	0	.5
32	MP1C	Z	-43.652	.5
33	MP1C	Mx	-.035	.5
34	MP1C	X	0	5.5
35	MP1C	Z	-43.652	5.5
36	MP1C	Mx	-.035	5.5
37	MP3A	X	0	2
38	MP3A	Z	-18.659	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	-18.659	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	-10.619	2
45	MP3B	Mx	.005	2
46	MP3B	X	0	4
47	MP3B	Z	-10.619	4
48	MP3B	Mx	.005	4
49	MP3C	X	0	2
50	MP3C	Z	-10.619	2
51	MP3C	Mx	-.005	2
52	MP3C	X	0	4
53	MP3C	Z	-10.619	4
54	MP3C	Mx	-.005	4
55	MP2A	X	0	4.25
56	MP2A	Z	-15.714	4.25
57	MP2A	Mx	0	4.25
58	MP2B	X	0	4.25
59	MP2B	Z	-12.122	4.25
60	MP2B	Mx	.005	4.25
61	MP2C	X	0	4.25
62	MP2C	Z	-12.122	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	-.005	4.25
64	MP2A	X	0	1.5
65	MP2A	Z	-15.714	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	-11.475	1.5
69	MP2B	Mx	.005	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	-11.475	1.5
72	MP2C	Mx	-.005	1.5
73	OVP	X	0	1.5
74	OVP	Z	-25.262	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	0	4.5
77	MP1B	Z	-4.731	4.5
78	MP1B	Mx	-.002	4.5
79	MP1C	X	0	4.5
80	MP1C	Z	-4.731	4.5
81	MP1C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	24.966	.5
2	MP1A	Z	-43.243	.5
3	MP1A	Mx	-.045	.5
4	MP1A	X	24.966	5.5
5	MP1A	Z	-43.243	5.5
6	MP1A	Mx	-.045	5.5
7	MP1B	X	20.256	.5
8	MP1B	Z	-35.084	.5
9	MP1B	Mx	.02	.5
10	MP1B	X	20.256	5.5
11	MP1B	Z	-35.084	5.5
12	MP1B	Mx	.02	5.5
13	MP1C	X	24.966	.5
14	MP1C	Z	-43.243	.5
15	MP1C	Mx	.02	.5
16	MP1C	X	24.966	5.5
17	MP1C	Z	-43.243	5.5
18	MP1C	Mx	.02	5.5
19	MP1A	X	24.966	.5
20	MP1A	Z	-43.243	.5
21	MP1A	Mx	.02	.5
22	MP1A	X	24.966	5.5
23	MP1A	Z	-43.243	5.5
24	MP1A	Mx	.02	5.5
25	MP1B	X	20.256	.5
26	MP1B	Z	-35.084	.5
27	MP1B	Mx	.02	.5
28	MP1B	X	20.256	5.5
29	MP1B	Z	-35.084	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP1B	Mx	.02	5.5
31	MP1C	X	24.966	.5
32	MP1C	Z	-43.243	.5
33	MP1C	Mx	-.045	.5
34	MP1C	X	24.966	5.5
35	MP1C	Z	-43.243	5.5
36	MP1C	Mx	-.045	5.5
37	MP3A	X	7.989	2
38	MP3A	Z	-13.838	2
39	MP3A	Mx	-.004	2
40	MP3A	X	7.989	4
41	MP3A	Z	-13.838	4
42	MP3A	Mx	-.004	4
43	MP3B	X	3.969	2
44	MP3B	Z	-6.875	2
45	MP3B	Mx	.004	2
46	MP3B	X	3.969	4
47	MP3B	Z	-6.875	4
48	MP3B	Mx	.004	4
49	MP3C	X	7.989	2
50	MP3C	Z	-13.838	2
51	MP3C	Mx	-.004	2
52	MP3C	X	7.989	4
53	MP3C	Z	-13.838	4
54	MP3C	Mx	-.004	4
55	MP2A	X	7.258	4.25
56	MP2A	Z	-12.571	4.25
57	MP2A	Mx	-.004	4.25
58	MP2B	X	5.462	4.25
59	MP2B	Z	-9.461	4.25
60	MP2B	Mx	.005	4.25
61	MP2C	X	7.258	4.25
62	MP2C	Z	-12.571	4.25
63	MP2C	Mx	-.004	4.25
64	MP2A	X	7.15	1.5
65	MP2A	Z	-12.385	1.5
66	MP2A	Mx	-.004	1.5
67	MP2B	X	5.031	1.5
68	MP2B	Z	-8.714	1.5
69	MP2B	Mx	.005	1.5
70	MP2C	X	7.15	1.5
71	MP2C	Z	-12.385	1.5
72	MP2C	Mx	-.004	1.5
73	OVP	X	13.513	1.5
74	OVP	Z	-23.405	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	1.715	4.5
77	MP1B	Z	-2.971	4.5
78	MP1B	Mx	-.002	4.5
79	MP1C	X	3.665	4.5
80	MP1C	Z	-6.348	4.5
81	MP1C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	37.803	.5
2	MP1A	Z	-21.826	.5
3	MP1A	Mx	-.035	.5
4	MP1A	X	37.803	5.5
5	MP1A	Z	-21.826	5.5
6	MP1A	Mx	-.035	5.5
7	MP1B	X	37.803	.5
8	MP1B	Z	-21.826	.5
9	MP1B	Mx	.003	.5
10	MP1B	X	37.803	5.5
11	MP1B	Z	-21.826	5.5
12	MP1B	Mx	.003	5.5
13	MP1C	X	45.963	.5
14	MP1C	Z	-26.537	.5
15	MP1C	Mx	.04	.5
16	MP1C	X	45.963	5.5
17	MP1C	Z	-26.537	5.5
18	MP1C	Mx	.04	5.5
19	MP1A	X	37.803	.5
20	MP1A	Z	-21.826	.5
21	MP1A	Mx	-.003	.5
22	MP1A	X	37.803	5.5
23	MP1A	Z	-21.826	5.5
24	MP1A	Mx	-.003	5.5
25	MP1B	X	37.803	.5
26	MP1B	Z	-21.826	.5
27	MP1B	Mx	.035	.5
28	MP1B	X	37.803	5.5
29	MP1B	Z	-21.826	5.5
30	MP1B	Mx	.035	5.5
31	MP1C	X	45.963	.5
32	MP1C	Z	-26.537	.5
33	MP1C	Mx	-.04	.5
34	MP1C	X	45.963	5.5
35	MP1C	Z	-26.537	5.5
36	MP1C	Mx	-.04	5.5
37	MP3A	X	9.196	2
38	MP3A	Z	-5.309	2
39	MP3A	Mx	-.005	2
40	MP3A	X	9.196	4
41	MP3A	Z	-5.309	4
42	MP3A	Mx	-.005	4
43	MP3B	X	9.196	2
44	MP3B	Z	-5.309	2
45	MP3B	Mx	.005	2
46	MP3B	X	9.196	4
47	MP3B	Z	-5.309	4
48	MP3B	Mx	.005	4
49	MP3C	X	16.159	2
50	MP3C	Z	-9.329	2
51	MP3C	Mx	0	2
52	MP3C	X	16.159	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-9.329	4
54	MP3C	Mx	0	4
55	MP2A	X	10.498	4.25
56	MP2A	Z	-6.061	4.25
57	MP2A	Mx	-.005	4.25
58	MP2B	X	10.498	4.25
59	MP2B	Z	-6.061	4.25
60	MP2B	Mx	.005	4.25
61	MP2C	X	13.608	4.25
62	MP2C	Z	-7.857	4.25
63	MP2C	Mx	0	4.25
64	MP2A	X	9.938	1.5
65	MP2A	Z	-5.737	1.5
66	MP2A	Mx	-.005	1.5
67	MP2B	X	9.938	1.5
68	MP2B	Z	-5.737	1.5
69	MP2B	Mx	.005	1.5
70	MP2C	X	13.608	1.5
71	MP2C	Z	-7.857	1.5
72	MP2C	Mx	0	1.5
73	OVP	X	26.459	1.5
74	OVP	Z	-15.276	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	4.097	4.5
77	MP1B	Z	-2.365	4.5
78	MP1B	Mx	-.002	4.5
79	MP1C	X	7.474	4.5
80	MP1C	Z	-4.315	4.5
81	MP1C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	40.511	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.02	.5
4	MP1A	X	40.511	5.5
5	MP1A	Z	0	5.5
6	MP1A	Mx	-.02	5.5
7	MP1B	X	49.933	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.02	.5
10	MP1B	X	49.933	5.5
11	MP1B	Z	0	5.5
12	MP1B	Mx	-.02	5.5
13	MP1C	X	49.933	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.045	.5
16	MP1C	X	49.933	5.5
17	MP1C	Z	0	5.5
18	MP1C	Mx	.045	5.5
19	MP1A	X	40.511	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP1A	Z	0	.5
21	MP1A	Mx	-.02	.5
22	MP1A	X	40.511	5.5
23	MP1A	Z	0	5.5
24	MP1A	Mx	-.02	5.5
25	MP1B	X	49.933	.5
26	MP1B	Z	0	.5
27	MP1B	Mx	.045	.5
28	MP1B	X	49.933	5.5
29	MP1B	Z	0	5.5
30	MP1B	Mx	.045	5.5
31	MP1C	X	49.933	.5
32	MP1C	Z	0	.5
33	MP1C	Mx	-.02	.5
34	MP1C	X	49.933	5.5
35	MP1C	Z	0	5.5
36	MP1C	Mx	-.02	5.5
37	MP3A	X	7.938	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.004	2
40	MP3A	X	7.938	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.004	4
43	MP3B	X	15.979	2
44	MP3B	Z	0	2
45	MP3B	Mx	.004	2
46	MP3B	X	15.979	4
47	MP3B	Z	0	4
48	MP3B	Mx	.004	4
49	MP3C	X	15.979	2
50	MP3C	Z	0	2
51	MP3C	Mx	.004	2
52	MP3C	X	15.979	4
53	MP3C	Z	0	4
54	MP3C	Mx	.004	4
55	MP2A	X	10.924	4.25
56	MP2A	Z	0	4.25
57	MP2A	Mx	-.005	4.25
58	MP2B	X	14.516	4.25
59	MP2B	Z	0	4.25
60	MP2B	Mx	.004	4.25
61	MP2C	X	14.516	4.25
62	MP2C	Z	0	4.25
63	MP2C	Mx	.004	4.25
64	MP2A	X	10.062	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	-.005	1.5
67	MP2B	X	14.301	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	.004	1.5
70	MP2C	X	14.301	1.5
71	MP2C	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	.004	1.5
73	OVP	X	32.316	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	7.33	4.5
77	MP1B	Z	0	4.5
78	MP1B	Mx	-.002	4.5
79	MP1C	X	7.33	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	37.803	.5
2	MP1A	Z	21.826	.5
3	MP1A	Mx	-.003	.5
4	MP1A	X	37.803	5.5
5	MP1A	Z	21.826	5.5
6	MP1A	Mx	-.003	5.5
7	MP1B	X	45.963	.5
8	MP1B	Z	26.537	.5
9	MP1B	Mx	-.04	.5
10	MP1B	X	45.963	5.5
11	MP1B	Z	26.537	5.5
12	MP1B	Mx	-.04	5.5
13	MP1C	X	37.803	.5
14	MP1C	Z	21.826	.5
15	MP1C	Mx	.035	.5
16	MP1C	X	37.803	5.5
17	MP1C	Z	21.826	5.5
18	MP1C	Mx	.035	5.5
19	MP1A	X	37.803	.5
20	MP1A	Z	21.826	.5
21	MP1A	Mx	-.035	.5
22	MP1A	X	37.803	5.5
23	MP1A	Z	21.826	5.5
24	MP1A	Mx	-.035	5.5
25	MP1B	X	45.963	.5
26	MP1B	Z	26.537	.5
27	MP1B	Mx	.04	.5
28	MP1B	X	45.963	5.5
29	MP1B	Z	26.537	5.5
30	MP1B	Mx	.04	5.5
31	MP1C	X	37.803	.5
32	MP1C	Z	21.826	.5
33	MP1C	Mx	.003	.5
34	MP1C	X	37.803	5.5
35	MP1C	Z	21.826	5.5
36	MP1C	Mx	.003	5.5
37	MP3A	X	9.196	2
38	MP3A	Z	5.309	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	-.005	2
40	MP3A	X	9.196	4
41	MP3A	Z	5.309	4
42	MP3A	Mx	-.005	4
43	MP3B	X	16.159	2
44	MP3B	Z	9.329	2
45	MP3B	Mx	0	2
46	MP3B	X	16.159	4
47	MP3B	Z	9.329	4
48	MP3B	Mx	0	4
49	MP3C	X	9.196	2
50	MP3C	Z	5.309	2
51	MP3C	Mx	.005	2
52	MP3C	X	9.196	4
53	MP3C	Z	5.309	4
54	MP3C	Mx	.005	4
55	MP2A	X	10.498	4.25
56	MP2A	Z	6.061	4.25
57	MP2A	Mx	-.005	4.25
58	MP2B	X	13.608	4.25
59	MP2B	Z	7.857	4.25
60	MP2B	Mx	0	4.25
61	MP2C	X	10.498	4.25
62	MP2C	Z	6.061	4.25
63	MP2C	Mx	.005	4.25
64	MP2A	X	9.938	1.5
65	MP2A	Z	5.737	1.5
66	MP2A	Mx	-.005	1.5
67	MP2B	X	13.608	1.5
68	MP2B	Z	7.857	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	9.938	1.5
71	MP2C	Z	5.737	1.5
72	MP2C	Mx	.005	1.5
73	OVP	X	26.459	1.5
74	OVP	Z	15.276	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	7.474	4.5
77	MP1B	Z	4.315	4.5
78	MP1B	Mx	0	4.5
79	MP1C	X	4.097	4.5
80	MP1C	Z	2.365	4.5
81	MP1C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	24.966	.5
2	MP1A	Z	43.243	.5
3	MP1A	Mx	.02	.5
4	MP1A	X	24.966	5.5
5	MP1A	Z	43.243	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	.02	5.5
7	MP1B	X	24.966	.5
8	MP1B	Z	43.243	.5
9	MP1B	Mx	-.045	.5
10	MP1B	X	24.966	5.5
11	MP1B	Z	43.243	5.5
12	MP1B	Mx	-.045	5.5
13	MP1C	X	20.256	.5
14	MP1C	Z	35.084	.5
15	MP1C	Mx	.02	.5
16	MP1C	X	20.256	5.5
17	MP1C	Z	35.084	5.5
18	MP1C	Mx	.02	5.5
19	MP1A	X	24.966	.5
20	MP1A	Z	43.243	.5
21	MP1A	Mx	-.045	.5
22	MP1A	X	24.966	5.5
23	MP1A	Z	43.243	5.5
24	MP1A	Mx	-.045	5.5
25	MP1B	X	24.966	.5
26	MP1B	Z	43.243	.5
27	MP1B	Mx	.02	.5
28	MP1B	X	24.966	5.5
29	MP1B	Z	43.243	5.5
30	MP1B	Mx	.02	5.5
31	MP1C	X	20.256	.5
32	MP1C	Z	35.084	.5
33	MP1C	Mx	.02	.5
34	MP1C	X	20.256	5.5
35	MP1C	Z	35.084	5.5
36	MP1C	Mx	.02	5.5
37	MP3A	X	7.989	2
38	MP3A	Z	13.838	2
39	MP3A	Mx	-.004	2
40	MP3A	X	7.989	4
41	MP3A	Z	13.838	4
42	MP3A	Mx	-.004	4
43	MP3B	X	7.989	2
44	MP3B	Z	13.838	2
45	MP3B	Mx	-.004	2
46	MP3B	X	7.989	4
47	MP3B	Z	13.838	4
48	MP3B	Mx	-.004	4
49	MP3C	X	3.969	2
50	MP3C	Z	6.875	2
51	MP3C	Mx	.004	2
52	MP3C	X	3.969	4
53	MP3C	Z	6.875	4
54	MP3C	Mx	.004	4
55	MP2A	X	7.258	4.25
56	MP2A	Z	12.571	4.25
57	MP2A	Mx	-.004	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	7.258	4.25
59	MP2B	Z	12.571	4.25
60	MP2B	Mx	-.004	4.25
61	MP2C	X	5.462	4.25
62	MP2C	Z	9.461	4.25
63	MP2C	Mx	.005	4.25
64	MP2A	X	7.15	1.5
65	MP2A	Z	12.385	1.5
66	MP2A	Mx	-.004	1.5
67	MP2B	X	7.15	1.5
68	MP2B	Z	12.385	1.5
69	MP2B	Mx	-.004	1.5
70	MP2C	X	5.031	1.5
71	MP2C	Z	8.714	1.5
72	MP2C	Mx	.005	1.5
73	OVP	X	13.513	1.5
74	OVP	Z	23.405	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	3.665	4.5
77	MP1B	Z	6.348	4.5
78	MP1B	Mx	.002	4.5
79	MP1C	X	1.715	4.5
80	MP1C	Z	2.971	4.5
81	MP1C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	53.073	.5
3	MP1A	Mx	.04	.5
4	MP1A	X	0	5.5
5	MP1A	Z	53.073	5.5
6	MP1A	Mx	.04	5.5
7	MP1B	X	0	.5
8	MP1B	Z	43.652	.5
9	MP1B	Mx	-.035	.5
10	MP1B	X	0	5.5
11	MP1B	Z	43.652	5.5
12	MP1B	Mx	-.035	5.5
13	MP1C	X	0	.5
14	MP1C	Z	43.652	.5
15	MP1C	Mx	.003	.5
16	MP1C	X	0	5.5
17	MP1C	Z	43.652	5.5
18	MP1C	Mx	.003	5.5
19	MP1A	X	0	.5
20	MP1A	Z	53.073	.5
21	MP1A	Mx	-.04	.5
22	MP1A	X	0	5.5
23	MP1A	Z	53.073	5.5
24	MP1A	Mx	-.04	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP1B	X	0	.5
26	MP1B	Z	43.652	.5
27	MP1B	Mx	-.003	.5
28	MP1B	X	0	5.5
29	MP1B	Z	43.652	5.5
30	MP1B	Mx	-.003	5.5
31	MP1C	X	0	.5
32	MP1C	Z	43.652	.5
33	MP1C	Mx	.035	.5
34	MP1C	X	0	5.5
35	MP1C	Z	43.652	5.5
36	MP1C	Mx	.035	5.5
37	MP3A	X	0	2
38	MP3A	Z	18.659	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	18.659	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	10.619	2
45	MP3B	Mx	-.005	2
46	MP3B	X	0	4
47	MP3B	Z	10.619	4
48	MP3B	Mx	-.005	4
49	MP3C	X	0	2
50	MP3C	Z	10.619	2
51	MP3C	Mx	.005	2
52	MP3C	X	0	4
53	MP3C	Z	10.619	4
54	MP3C	Mx	.005	4
55	MP2A	X	0	4.25
56	MP2A	Z	15.714	4.25
57	MP2A	Mx	0	4.25
58	MP2B	X	0	4.25
59	MP2B	Z	12.122	4.25
60	MP2B	Mx	-.005	4.25
61	MP2C	X	0	4.25
62	MP2C	Z	12.122	4.25
63	MP2C	Mx	.005	4.25
64	MP2A	X	0	1.5
65	MP2A	Z	15.714	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	11.475	1.5
69	MP2B	Mx	-.005	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	11.475	1.5
72	MP2C	Mx	.005	1.5
73	OVP	X	0	1.5
74	OVP	Z	25.262	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1B	Z	4.731	4.5
78	MP1B	Mx	.002	4.5
79	MP1C	X	0	4.5
80	MP1C	Z	4.731	4.5
81	MP1C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-24.966	.5
2	MP1A	Z	43.243	.5
3	MP1A	Mx	.045	.5
4	MP1A	X	-24.966	5.5
5	MP1A	Z	43.243	5.5
6	MP1A	Mx	.045	5.5
7	MP1B	X	-20.256	.5
8	MP1B	Z	35.084	.5
9	MP1B	Mx	-.02	.5
10	MP1B	X	-20.256	5.5
11	MP1B	Z	35.084	5.5
12	MP1B	Mx	-.02	5.5
13	MP1C	X	-24.966	.5
14	MP1C	Z	43.243	.5
15	MP1C	Mx	-.02	.5
16	MP1C	X	-24.966	5.5
17	MP1C	Z	43.243	5.5
18	MP1C	Mx	-.02	5.5
19	MP1A	X	-24.966	.5
20	MP1A	Z	43.243	.5
21	MP1A	Mx	-.02	.5
22	MP1A	X	-24.966	5.5
23	MP1A	Z	43.243	5.5
24	MP1A	Mx	-.02	5.5
25	MP1B	X	-20.256	.5
26	MP1B	Z	35.084	.5
27	MP1B	Mx	-.02	.5
28	MP1B	X	-20.256	5.5
29	MP1B	Z	35.084	5.5
30	MP1B	Mx	-.02	5.5
31	MP1C	X	-24.966	.5
32	MP1C	Z	43.243	.5
33	MP1C	Mx	.045	.5
34	MP1C	X	-24.966	5.5
35	MP1C	Z	43.243	5.5
36	MP1C	Mx	.045	5.5
37	MP3A	X	-7.989	2
38	MP3A	Z	13.838	2
39	MP3A	Mx	.004	2
40	MP3A	X	-7.989	4
41	MP3A	Z	13.838	4
42	MP3A	Mx	.004	4
43	MP3B	X	-3.969	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	6.875	2
45	MP3B	Mx	-.004	2
46	MP3B	X	-3.969	4
47	MP3B	Z	6.875	4
48	MP3B	Mx	-.004	4
49	MP3C	X	-7.989	2
50	MP3C	Z	13.838	2
51	MP3C	Mx	.004	2
52	MP3C	X	-7.989	4
53	MP3C	Z	13.838	4
54	MP3C	Mx	.004	4
55	MP2A	X	-7.258	4.25
56	MP2A	Z	12.571	4.25
57	MP2A	Mx	.004	4.25
58	MP2B	X	-5.462	4.25
59	MP2B	Z	9.461	4.25
60	MP2B	Mx	-.005	4.25
61	MP2C	X	-7.258	4.25
62	MP2C	Z	12.571	4.25
63	MP2C	Mx	.004	4.25
64	MP2A	X	-7.15	1.5
65	MP2A	Z	12.385	1.5
66	MP2A	Mx	.004	1.5
67	MP2B	X	-5.031	1.5
68	MP2B	Z	8.714	1.5
69	MP2B	Mx	-.005	1.5
70	MP2C	X	-7.15	1.5
71	MP2C	Z	12.385	1.5
72	MP2C	Mx	.004	1.5
73	OVP	X	-13.513	1.5
74	OVP	Z	23.405	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-1.715	4.5
77	MP1B	Z	2.971	4.5
78	MP1B	Mx	.002	4.5
79	MP1C	X	-3.665	4.5
80	MP1C	Z	6.348	4.5
81	MP1C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-37.803	.5
2	MP1A	Z	21.826	.5
3	MP1A	Mx	.035	.5
4	MP1A	X	-37.803	5.5
5	MP1A	Z	21.826	5.5
6	MP1A	Mx	.035	5.5
7	MP1B	X	-37.803	.5
8	MP1B	Z	21.826	.5
9	MP1B	Mx	-.003	.5
10	MP1B	X	-37.803	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	21.826	5.5
12	MP1B	Mx	-.003	5.5
13	MP1C	X	-45.963	.5
14	MP1C	Z	26.537	.5
15	MP1C	Mx	-.04	.5
16	MP1C	X	-45.963	5.5
17	MP1C	Z	26.537	5.5
18	MP1C	Mx	-.04	5.5
19	MP1A	X	-37.803	.5
20	MP1A	Z	21.826	.5
21	MP1A	Mx	.003	.5
22	MP1A	X	-37.803	5.5
23	MP1A	Z	21.826	5.5
24	MP1A	Mx	.003	5.5
25	MP1B	X	-37.803	.5
26	MP1B	Z	21.826	.5
27	MP1B	Mx	-.035	.5
28	MP1B	X	-37.803	5.5
29	MP1B	Z	21.826	5.5
30	MP1B	Mx	-.035	5.5
31	MP1C	X	-45.963	.5
32	MP1C	Z	26.537	.5
33	MP1C	Mx	.04	.5
34	MP1C	X	-45.963	5.5
35	MP1C	Z	26.537	5.5
36	MP1C	Mx	.04	5.5
37	MP3A	X	-9.196	2
38	MP3A	Z	5.309	2
39	MP3A	Mx	.005	2
40	MP3A	X	-9.196	4
41	MP3A	Z	5.309	4
42	MP3A	Mx	.005	4
43	MP3B	X	-9.196	2
44	MP3B	Z	5.309	2
45	MP3B	Mx	-.005	2
46	MP3B	X	-9.196	4
47	MP3B	Z	5.309	4
48	MP3B	Mx	-.005	4
49	MP3C	X	-16.159	2
50	MP3C	Z	9.329	2
51	MP3C	Mx	0	2
52	MP3C	X	-16.159	4
53	MP3C	Z	9.329	4
54	MP3C	Mx	0	4
55	MP2A	X	-10.498	4.25
56	MP2A	Z	6.061	4.25
57	MP2A	Mx	.005	4.25
58	MP2B	X	-10.498	4.25
59	MP2B	Z	6.061	4.25
60	MP2B	Mx	-.005	4.25
61	MP2C	X	-13.608	4.25
62	MP2C	Z	7.857	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	0	4.25
64	MP2A	X	-9.938	1.5
65	MP2A	Z	5.737	1.5
66	MP2A	Mx	.005	1.5
67	MP2B	X	-9.938	1.5
68	MP2B	Z	5.737	1.5
69	MP2B	Mx	-.005	1.5
70	MP2C	X	-13.608	1.5
71	MP2C	Z	7.857	1.5
72	MP2C	Mx	0	1.5
73	OVP	X	-26.459	1.5
74	OVP	Z	15.276	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-4.097	4.5
77	MP1B	Z	2.365	4.5
78	MP1B	Mx	.002	4.5
79	MP1C	X	-7.474	4.5
80	MP1C	Z	4.315	4.5
81	MP1C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-40.511	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.02	.5
4	MP1A	X	-40.511	5.5
5	MP1A	Z	0	5.5
6	MP1A	Mx	.02	5.5
7	MP1B	X	-49.933	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.02	.5
10	MP1B	X	-49.933	5.5
11	MP1B	Z	0	5.5
12	MP1B	Mx	.02	5.5
13	MP1C	X	-49.933	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.045	.5
16	MP1C	X	-49.933	5.5
17	MP1C	Z	0	5.5
18	MP1C	Mx	-.045	5.5
19	MP1A	X	-40.511	.5
20	MP1A	Z	0	.5
21	MP1A	Mx	.02	.5
22	MP1A	X	-40.511	5.5
23	MP1A	Z	0	5.5
24	MP1A	Mx	.02	5.5
25	MP1B	X	-49.933	.5
26	MP1B	Z	0	.5
27	MP1B	Mx	-.045	.5
28	MP1B	X	-49.933	5.5
29	MP1B	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP1B	Mx	-.045	5.5
31	MP1C	X	-49.933	.5
32	MP1C	Z	0	.5
33	MP1C	Mx	.02	.5
34	MP1C	X	-49.933	5.5
35	MP1C	Z	0	5.5
36	MP1C	Mx	.02	5.5
37	MP3A	X	-7.938	2
38	MP3A	Z	0	2
39	MP3A	Mx	.004	2
40	MP3A	X	-7.938	4
41	MP3A	Z	0	4
42	MP3A	Mx	.004	4
43	MP3B	X	-15.979	2
44	MP3B	Z	0	2
45	MP3B	Mx	-.004	2
46	MP3B	X	-15.979	4
47	MP3B	Z	0	4
48	MP3B	Mx	-.004	4
49	MP3C	X	-15.979	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.004	2
52	MP3C	X	-15.979	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.004	4
55	MP2A	X	-10.924	4.25
56	MP2A	Z	0	4.25
57	MP2A	Mx	.005	4.25
58	MP2B	X	-14.516	4.25
59	MP2B	Z	0	4.25
60	MP2B	Mx	-.004	4.25
61	MP2C	X	-14.516	4.25
62	MP2C	Z	0	4.25
63	MP2C	Mx	-.004	4.25
64	MP2A	X	-10.062	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	.005	1.5
67	MP2B	X	-14.301	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	-.004	1.5
70	MP2C	X	-14.301	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	-.004	1.5
73	OVP	X	-32.316	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-7.33	4.5
77	MP1B	Z	0	4.5
78	MP1B	Mx	.002	4.5
79	MP1C	X	-7.33	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-37.803	.5
2	MP1A	Z	-21.826	.5
3	MP1A	Mx	.003	.5
4	MP1A	X	-37.803	5.5
5	MP1A	Z	-21.826	5.5
6	MP1A	Mx	.003	5.5
7	MP1B	X	-45.963	.5
8	MP1B	Z	-26.537	.5
9	MP1B	Mx	.04	.5
10	MP1B	X	-45.963	5.5
11	MP1B	Z	-26.537	5.5
12	MP1B	Mx	.04	5.5
13	MP1C	X	-37.803	.5
14	MP1C	Z	-21.826	.5
15	MP1C	Mx	-.035	.5
16	MP1C	X	-37.803	5.5
17	MP1C	Z	-21.826	5.5
18	MP1C	Mx	-.035	5.5
19	MP1A	X	-37.803	.5
20	MP1A	Z	-21.826	.5
21	MP1A	Mx	.035	.5
22	MP1A	X	-37.803	5.5
23	MP1A	Z	-21.826	5.5
24	MP1A	Mx	.035	5.5
25	MP1B	X	-45.963	.5
26	MP1B	Z	-26.537	.5
27	MP1B	Mx	-.04	.5
28	MP1B	X	-45.963	5.5
29	MP1B	Z	-26.537	5.5
30	MP1B	Mx	-.04	5.5
31	MP1C	X	-37.803	.5
32	MP1C	Z	-21.826	.5
33	MP1C	Mx	-.003	.5
34	MP1C	X	-37.803	5.5
35	MP1C	Z	-21.826	5.5
36	MP1C	Mx	-.003	5.5
37	MP3A	X	-9.196	2
38	MP3A	Z	-5.309	2
39	MP3A	Mx	.005	2
40	MP3A	X	-9.196	4
41	MP3A	Z	-5.309	4
42	MP3A	Mx	.005	4
43	MP3B	X	-16.159	2
44	MP3B	Z	-9.329	2
45	MP3B	Mx	0	2
46	MP3B	X	-16.159	4
47	MP3B	Z	-9.329	4
48	MP3B	Mx	0	4
49	MP3C	X	-9.196	2
50	MP3C	Z	-5.309	2
51	MP3C	Mx	-.005	2
52	MP3C	X	-9.196	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-5.309	4
54	MP3C	Mx	-.005	4
55	MP2A	X	-10.498	4.25
56	MP2A	Z	-6.061	4.25
57	MP2A	Mx	.005	4.25
58	MP2B	X	-13.608	4.25
59	MP2B	Z	-7.857	4.25
60	MP2B	Mx	0	4.25
61	MP2C	X	-10.498	4.25
62	MP2C	Z	-6.061	4.25
63	MP2C	Mx	-.005	4.25
64	MP2A	X	-9.938	1.5
65	MP2A	Z	-5.737	1.5
66	MP2A	Mx	.005	1.5
67	MP2B	X	-13.608	1.5
68	MP2B	Z	-7.857	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	-9.938	1.5
71	MP2C	Z	-5.737	1.5
72	MP2C	Mx	-.005	1.5
73	OVP	X	-26.459	1.5
74	OVP	Z	-15.276	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-7.474	4.5
77	MP1B	Z	-4.315	4.5
78	MP1B	Mx	0	4.5
79	MP1C	X	-4.097	4.5
80	MP1C	Z	-2.365	4.5
81	MP1C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-24.966	.5
2	MP1A	Z	-43.243	.5
3	MP1A	Mx	-.02	.5
4	MP1A	X	-24.966	5.5
5	MP1A	Z	-43.243	5.5
6	MP1A	Mx	-.02	5.5
7	MP1B	X	-24.966	.5
8	MP1B	Z	-43.243	.5
9	MP1B	Mx	.045	.5
10	MP1B	X	-24.966	5.5
11	MP1B	Z	-43.243	5.5
12	MP1B	Mx	.045	5.5
13	MP1C	X	-20.256	.5
14	MP1C	Z	-35.084	.5
15	MP1C	Mx	-.02	.5
16	MP1C	X	-20.256	5.5
17	MP1C	Z	-35.084	5.5
18	MP1C	Mx	-.02	5.5
19	MP1A	X	-24.966	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP1A	Z	-43.243	.5
21	MP1A	Mx	.045	.5
22	MP1A	X	-24.966	5.5
23	MP1A	Z	-43.243	5.5
24	MP1A	Mx	.045	5.5
25	MP1B	X	-24.966	.5
26	MP1B	Z	-43.243	.5
27	MP1B	Mx	-.02	.5
28	MP1B	X	-24.966	5.5
29	MP1B	Z	-43.243	5.5
30	MP1B	Mx	-.02	5.5
31	MP1C	X	-20.256	.5
32	MP1C	Z	-35.084	.5
33	MP1C	Mx	-.02	.5
34	MP1C	X	-20.256	5.5
35	MP1C	Z	-35.084	5.5
36	MP1C	Mx	-.02	5.5
37	MP3A	X	-7.989	2
38	MP3A	Z	-13.838	2
39	MP3A	Mx	.004	2
40	MP3A	X	-7.989	4
41	MP3A	Z	-13.838	4
42	MP3A	Mx	.004	4
43	MP3B	X	-7.989	2
44	MP3B	Z	-13.838	2
45	MP3B	Mx	.004	2
46	MP3B	X	-7.989	4
47	MP3B	Z	-13.838	4
48	MP3B	Mx	.004	4
49	MP3C	X	-3.969	2
50	MP3C	Z	-6.875	2
51	MP3C	Mx	-.004	2
52	MP3C	X	-3.969	4
53	MP3C	Z	-6.875	4
54	MP3C	Mx	-.004	4
55	MP2A	X	-7.258	4.25
56	MP2A	Z	-12.571	4.25
57	MP2A	Mx	.004	4.25
58	MP2B	X	-7.258	4.25
59	MP2B	Z	-12.571	4.25
60	MP2B	Mx	.004	4.25
61	MP2C	X	-5.462	4.25
62	MP2C	Z	-9.461	4.25
63	MP2C	Mx	-.005	4.25
64	MP2A	X	-7.15	1.5
65	MP2A	Z	-12.385	1.5
66	MP2A	Mx	.004	1.5
67	MP2B	X	-7.15	1.5
68	MP2B	Z	-12.385	1.5
69	MP2B	Mx	.004	1.5
70	MP2C	X	-5.031	1.5
71	MP2C	Z	-8.714	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	-.005	1.5
73	OVP	X	-13.513	1.5
74	OVP	Z	-23.405	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-3.665	4.5
77	MP1B	Z	-6.348	4.5
78	MP1B	Mx	-.002	4.5
79	MP1C	X	-1.715	4.5
80	MP1C	Z	-2.971	4.5
81	MP1C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-8.059	.5
3	MP1A	Mx	-.006	.5
4	MP1A	X	0	5.5
5	MP1A	Z	-8.059	5.5
6	MP1A	Mx	-.006	5.5
7	MP1B	X	0	.5
8	MP1B	Z	-6.539	.5
9	MP1B	Mx	.005	.5
10	MP1B	X	0	5.5
11	MP1B	Z	-6.539	5.5
12	MP1B	Mx	.005	5.5
13	MP1C	X	0	.5
14	MP1C	Z	-6.539	.5
15	MP1C	Mx	-.000379	.5
16	MP1C	X	0	5.5
17	MP1C	Z	-6.539	5.5
18	MP1C	Mx	-.000379	5.5
19	MP1A	X	0	.5
20	MP1A	Z	-8.059	.5
21	MP1A	Mx	.006	.5
22	MP1A	X	0	5.5
23	MP1A	Z	-8.059	5.5
24	MP1A	Mx	.006	5.5
25	MP1B	X	0	.5
26	MP1B	Z	-6.539	.5
27	MP1B	Mx	.000379	.5
28	MP1B	X	0	5.5
29	MP1B	Z	-6.539	5.5
30	MP1B	Mx	.000379	5.5
31	MP1C	X	0	.5
32	MP1C	Z	-6.539	.5
33	MP1C	Mx	-.005	.5
34	MP1C	X	0	5.5
35	MP1C	Z	-6.539	5.5
36	MP1C	Mx	-.005	5.5
37	MP3A	X	0	2
38	MP3A	Z	-4.967	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	-4.967	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	-2.525	2
45	MP3B	Mx	.001	2
46	MP3B	X	0	4
47	MP3B	Z	-2.525	4
48	MP3B	Mx	.001	4
49	MP3C	X	0	2
50	MP3C	Z	-2.525	2
51	MP3C	Mx	-.001	2
52	MP3C	X	0	4
53	MP3C	Z	-2.525	4
54	MP3C	Mx	-.001	4
55	MP2A	X	0	4.25
56	MP2A	Z	-3.928	4.25
57	MP2A	Mx	0	4.25
58	MP2B	X	0	4.25
59	MP2B	Z	-2.959	4.25
60	MP2B	Mx	.001	4.25
61	MP2C	X	0	4.25
62	MP2C	Z	-2.959	4.25
63	MP2C	Mx	-.001	4.25
64	MP2A	X	0	1.5
65	MP2A	Z	-3.928	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	-2.769	1.5
69	MP2B	Mx	.001	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	-2.769	1.5
72	MP2C	Mx	-.001	1.5
73	OVP	X	0	1.5
74	OVP	Z	-6.108	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	0	4.5
77	MP1B	Z	-1.203	4.5
78	MP1B	Mx	-.000521	4.5
79	MP1C	X	0	4.5
80	MP1C	Z	-1.203	4.5
81	MP1C	Mx	.000521	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.776	.5
2	MP1A	Z	-6.541	.5
3	MP1A	Mx	-.007	.5
4	MP1A	X	3.776	5.5
5	MP1A	Z	-6.541	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	-.007	5.5
7	MP1B	X	3.016	.5
8	MP1B	Z	-5.224	.5
9	MP1B	Mx	.003	.5
10	MP1B	X	3.016	5.5
11	MP1B	Z	-5.224	5.5
12	MP1B	Mx	.003	5.5
13	MP1C	X	3.776	.5
14	MP1C	Z	-6.541	.5
15	MP1C	Mx	.003	.5
16	MP1C	X	3.776	5.5
17	MP1C	Z	-6.541	5.5
18	MP1C	Mx	.003	5.5
19	MP1A	X	3.776	.5
20	MP1A	Z	-6.541	.5
21	MP1A	Mx	.003	.5
22	MP1A	X	3.776	5.5
23	MP1A	Z	-6.541	5.5
24	MP1A	Mx	.003	5.5
25	MP1B	X	3.016	.5
26	MP1B	Z	-5.224	.5
27	MP1B	Mx	.003	.5
28	MP1B	X	3.016	5.5
29	MP1B	Z	-5.224	5.5
30	MP1B	Mx	.003	5.5
31	MP1C	X	3.776	.5
32	MP1C	Z	-6.541	.5
33	MP1C	Mx	-.007	.5
34	MP1C	X	3.776	5.5
35	MP1C	Z	-6.541	5.5
36	MP1C	Mx	-.007	5.5
37	MP3A	X	2.077	2
38	MP3A	Z	-3.597	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.077	4
41	MP3A	Z	-3.597	4
42	MP3A	Mx	-.001	4
43	MP3B	X	.855	2
44	MP3B	Z	-1.482	2
45	MP3B	Mx	.000855	2
46	MP3B	X	.855	4
47	MP3B	Z	-1.482	4
48	MP3B	Mx	.000855	4
49	MP3C	X	2.077	2
50	MP3C	Z	-3.597	2
51	MP3C	Mx	-.001	2
52	MP3C	X	2.077	4
53	MP3C	Z	-3.597	4
54	MP3C	Mx	-.001	4
55	MP2A	X	1.803	4.25
56	MP2A	Z	-3.122	4.25
57	MP2A	Mx	-.000902	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	1.318	4.25
59	MP2B	Z	-2.283	4.25
60	MP2B	Mx	.001	4.25
61	MP2C	X	1.803	4.25
62	MP2C	Z	-3.122	4.25
63	MP2C	Mx	-.000901	4.25
64	MP2A	X	1.771	1.5
65	MP2A	Z	-3.067	1.5
66	MP2A	Mx	-.000886	1.5
67	MP2B	X	1.191	1.5
68	MP2B	Z	-2.063	1.5
69	MP2B	Mx	.001	1.5
70	MP2C	X	1.771	1.5
71	MP2C	Z	-3.067	1.5
72	MP2C	Mx	-.000885	1.5
73	OVP	X	3.295	1.5
74	OVP	Z	-5.707	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	.396	4.5
77	MP1B	Z	-.687	4.5
78	MP1B	Mx	-.000396	4.5
79	MP1C	X	1.011	4.5
80	MP1C	Z	-1.752	4.5
81	MP1C	Mx	.000506	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	5.663	.5
2	MP1A	Z	-3.269	.5
3	MP1A	Mx	-.005	.5
4	MP1A	X	5.663	5.5
5	MP1A	Z	-3.269	5.5
6	MP1A	Mx	-.005	5.5
7	MP1B	X	5.663	.5
8	MP1B	Z	-3.269	.5
9	MP1B	Mx	.000379	.5
10	MP1B	X	5.663	5.5
11	MP1B	Z	-3.269	5.5
12	MP1B	Mx	.000379	5.5
13	MP1C	X	6.98	.5
14	MP1C	Z	-4.03	.5
15	MP1C	Mx	.006	.5
16	MP1C	X	6.98	5.5
17	MP1C	Z	-4.03	5.5
18	MP1C	Mx	.006	5.5
19	MP1A	X	5.663	.5
20	MP1A	Z	-3.269	.5
21	MP1A	Mx	-.00038	.5
22	MP1A	X	5.663	5.5
23	MP1A	Z	-3.269	5.5
24	MP1A	Mx	-.00038	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP1B	X	5.663	.5
26	MP1B	Z	-3.269	.5
27	MP1B	Mx	.005	.5
28	MP1B	X	5.663	5.5
29	MP1B	Z	-3.269	5.5
30	MP1B	Mx	.005	5.5
31	MP1C	X	6.98	.5
32	MP1C	Z	-4.03	.5
33	MP1C	Mx	-.006	.5
34	MP1C	X	6.98	5.5
35	MP1C	Z	-4.03	5.5
36	MP1C	Mx	-.006	5.5
37	MP3A	X	2.187	2
38	MP3A	Z	-1.262	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.187	4
41	MP3A	Z	-1.262	4
42	MP3A	Mx	-.001	4
43	MP3B	X	2.187	2
44	MP3B	Z	-1.262	2
45	MP3B	Mx	.001	2
46	MP3B	X	2.187	4
47	MP3B	Z	-1.262	4
48	MP3B	Mx	.001	4
49	MP3C	X	4.302	2
50	MP3C	Z	-2.484	2
51	MP3C	Mx	0	2
52	MP3C	X	4.302	4
53	MP3C	Z	-2.484	4
54	MP3C	Mx	0	4
55	MP2A	X	2.563	4.25
56	MP2A	Z	-1.479	4.25
57	MP2A	Mx	-.001	4.25
58	MP2B	X	2.563	4.25
59	MP2B	Z	-1.479	4.25
60	MP2B	Mx	.001	4.25
61	MP2C	X	3.402	4.25
62	MP2C	Z	-1.964	4.25
63	MP2C	Mx	0	4.25
64	MP2A	X	2.398	1.5
65	MP2A	Z	-1.384	1.5
66	MP2A	Mx	-.001	1.5
67	MP2B	X	2.398	1.5
68	MP2B	Z	-1.384	1.5
69	MP2B	Mx	.001	1.5
70	MP2C	X	3.402	1.5
71	MP2C	Z	-1.964	1.5
72	MP2C	Mx	0	1.5
73	OVP	X	6.541	1.5
74	OVP	Z	-3.776	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	1.042	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1B	Z	-.601	4.5
78	MP1B	Mx	-.000521	4.5
79	MP1C	X	2.107	4.5
80	MP1C	Z	-1.217	4.5
81	MP1C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	6.032	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.003	.5
4	MP1A	X	6.032	5.5
5	MP1A	Z	0	5.5
6	MP1A	Mx	-.003	5.5
7	MP1B	X	7.553	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.003	.5
10	MP1B	X	7.553	5.5
11	MP1B	Z	0	5.5
12	MP1B	Mx	-.003	5.5
13	MP1C	X	7.553	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.007	.5
16	MP1C	X	7.553	5.5
17	MP1C	Z	0	5.5
18	MP1C	Mx	.007	5.5
19	MP1A	X	6.032	.5
20	MP1A	Z	0	.5
21	MP1A	Mx	-.003	.5
22	MP1A	X	6.032	5.5
23	MP1A	Z	0	5.5
24	MP1A	Mx	-.003	5.5
25	MP1B	X	7.553	.5
26	MP1B	Z	0	.5
27	MP1B	Mx	.007	.5
28	MP1B	X	7.553	5.5
29	MP1B	Z	0	5.5
30	MP1B	Mx	.007	5.5
31	MP1C	X	7.553	.5
32	MP1C	Z	0	.5
33	MP1C	Mx	-.003	.5
34	MP1C	X	7.553	5.5
35	MP1C	Z	0	5.5
36	MP1C	Mx	-.003	5.5
37	MP3A	X	1.711	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.000856	2
40	MP3A	X	1.711	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.000856	4
43	MP3B	X	4.153	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	0	2
45	MP3B	Mx	.001	2
46	MP3B	X	4.153	4
47	MP3B	Z	0	4
48	MP3B	Mx	.001	4
49	MP3C	X	4.153	2
50	MP3C	Z	0	2
51	MP3C	Mx	.001	2
52	MP3C	X	4.153	4
53	MP3C	Z	0	4
54	MP3C	Mx	.001	4
55	MP2A	X	2.636	4.25
56	MP2A	Z	0	4.25
57	MP2A	Mx	-.001	4.25
58	MP2B	X	3.605	4.25
59	MP2B	Z	0	4.25
60	MP2B	Mx	.000901	4.25
61	MP2C	X	3.605	4.25
62	MP2C	Z	0	4.25
63	MP2C	Mx	.000901	4.25
64	MP2A	X	2.382	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	-.001	1.5
67	MP2B	X	3.542	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	.000886	1.5
70	MP2C	X	3.542	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	.000886	1.5
73	OVP	X	8.034	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	2.023	4.5
77	MP1B	Z	0	4.5
78	MP1B	Mx	-.000506	4.5
79	MP1C	X	2.023	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	-.000506	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	5.663	.5
2	MP1A	Z	3.269	.5
3	MP1A	Mx	-.00038	.5
4	MP1A	X	5.663	5.5
5	MP1A	Z	3.269	5.5
6	MP1A	Mx	-.00038	5.5
7	MP1B	X	6.98	.5
8	MP1B	Z	4.03	.5
9	MP1B	Mx	-.006	.5
10	MP1B	X	6.98	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	4.03	5.5
12	MP1B	Mx	-.006	5.5
13	MP1C	X	5.663	.5
14	MP1C	Z	3.269	.5
15	MP1C	Mx	.005	.5
16	MP1C	X	5.663	5.5
17	MP1C	Z	3.269	5.5
18	MP1C	Mx	.005	5.5
19	MP1A	X	5.663	.5
20	MP1A	Z	3.269	.5
21	MP1A	Mx	-.005	.5
22	MP1A	X	5.663	5.5
23	MP1A	Z	3.269	5.5
24	MP1A	Mx	-.005	5.5
25	MP1B	X	6.98	.5
26	MP1B	Z	4.03	.5
27	MP1B	Mx	.006	.5
28	MP1B	X	6.98	5.5
29	MP1B	Z	4.03	5.5
30	MP1B	Mx	.006	5.5
31	MP1C	X	5.663	.5
32	MP1C	Z	3.269	.5
33	MP1C	Mx	.000379	.5
34	MP1C	X	5.663	5.5
35	MP1C	Z	3.269	5.5
36	MP1C	Mx	.000379	5.5
37	MP3A	X	2.187	2
38	MP3A	Z	1.262	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.187	4
41	MP3A	Z	1.262	4
42	MP3A	Mx	-.001	4
43	MP3B	X	4.302	2
44	MP3B	Z	2.484	2
45	MP3B	Mx	0	2
46	MP3B	X	4.302	4
47	MP3B	Z	2.484	4
48	MP3B	Mx	0	4
49	MP3C	X	2.187	2
50	MP3C	Z	1.262	2
51	MP3C	Mx	.001	2
52	MP3C	X	2.187	4
53	MP3C	Z	1.262	4
54	MP3C	Mx	.001	4
55	MP2A	X	2.563	4.25
56	MP2A	Z	1.479	4.25
57	MP2A	Mx	-.001	4.25
58	MP2B	X	3.402	4.25
59	MP2B	Z	1.964	4.25
60	MP2B	Mx	0	4.25
61	MP2C	X	2.563	4.25
62	MP2C	Z	1.479	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	.001	4.25
64	MP2A	X	2.398	1.5
65	MP2A	Z	1.384	1.5
66	MP2A	Mx	-.001	1.5
67	MP2B	X	3.402	1.5
68	MP2B	Z	1.964	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	2.398	1.5
71	MP2C	Z	1.384	1.5
72	MP2C	Mx	.001	1.5
73	OVP	X	6.541	1.5
74	OVP	Z	3.776	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	2.107	4.5
77	MP1B	Z	1.217	4.5
78	MP1B	Mx	0	4.5
79	MP1C	X	1.042	4.5
80	MP1C	Z	.601	4.5
81	MP1C	Mx	-.000521	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.776	.5
2	MP1A	Z	6.541	.5
3	MP1A	Mx	.003	.5
4	MP1A	X	3.776	5.5
5	MP1A	Z	6.541	5.5
6	MP1A	Mx	.003	5.5
7	MP1B	X	3.776	.5
8	MP1B	Z	6.541	.5
9	MP1B	Mx	-.007	.5
10	MP1B	X	3.776	5.5
11	MP1B	Z	6.541	5.5
12	MP1B	Mx	-.007	5.5
13	MP1C	X	3.016	.5
14	MP1C	Z	5.224	.5
15	MP1C	Mx	.003	.5
16	MP1C	X	3.016	5.5
17	MP1C	Z	5.224	5.5
18	MP1C	Mx	.003	5.5
19	MP1A	X	3.776	.5
20	MP1A	Z	6.541	.5
21	MP1A	Mx	-.007	.5
22	MP1A	X	3.776	5.5
23	MP1A	Z	6.541	5.5
24	MP1A	Mx	-.007	5.5
25	MP1B	X	3.776	.5
26	MP1B	Z	6.541	.5
27	MP1B	Mx	.003	.5
28	MP1B	X	3.776	5.5
29	MP1B	Z	6.541	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP1B	Mx	.003	5.5
31	MP1C	X	3.016	.5
32	MP1C	Z	5.224	.5
33	MP1C	Mx	.003	.5
34	MP1C	X	3.016	5.5
35	MP1C	Z	5.224	5.5
36	MP1C	Mx	.003	5.5
37	MP3A	X	2.077	2
38	MP3A	Z	3.597	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.077	4
41	MP3A	Z	3.597	4
42	MP3A	Mx	-.001	4
43	MP3B	X	2.077	2
44	MP3B	Z	3.597	2
45	MP3B	Mx	-.001	2
46	MP3B	X	2.077	4
47	MP3B	Z	3.597	4
48	MP3B	Mx	-.001	4
49	MP3C	X	.855	2
50	MP3C	Z	1.482	2
51	MP3C	Mx	.000855	2
52	MP3C	X	.855	4
53	MP3C	Z	1.482	4
54	MP3C	Mx	.000855	4
55	MP2A	X	1.803	4.25
56	MP2A	Z	3.122	4.25
57	MP2A	Mx	-.000902	4.25
58	MP2B	X	1.803	4.25
59	MP2B	Z	3.122	4.25
60	MP2B	Mx	-.000901	4.25
61	MP2C	X	1.318	4.25
62	MP2C	Z	2.283	4.25
63	MP2C	Mx	.001	4.25
64	MP2A	X	1.771	1.5
65	MP2A	Z	3.067	1.5
66	MP2A	Mx	-.000886	1.5
67	MP2B	X	1.771	1.5
68	MP2B	Z	3.067	1.5
69	MP2B	Mx	-.000885	1.5
70	MP2C	X	1.191	1.5
71	MP2C	Z	2.063	1.5
72	MP2C	Mx	.001	1.5
73	OVP	X	3.295	1.5
74	OVP	Z	5.707	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	1.011	4.5
77	MP1B	Z	1.752	4.5
78	MP1B	Mx	.000506	4.5
79	MP1C	X	.396	4.5
80	MP1C	Z	.687	4.5
81	MP1C	Mx	-.000396	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	8.059	.5
3	MP1A	Mx	.006	.5
4	MP1A	X	0	5.5
5	MP1A	Z	8.059	5.5
6	MP1A	Mx	.006	5.5
7	MP1B	X	0	.5
8	MP1B	Z	6.539	.5
9	MP1B	Mx	-.005	.5
10	MP1B	X	0	5.5
11	MP1B	Z	6.539	5.5
12	MP1B	Mx	-.005	5.5
13	MP1C	X	0	.5
14	MP1C	Z	6.539	.5
15	MP1C	Mx	.000379	.5
16	MP1C	X	0	5.5
17	MP1C	Z	6.539	5.5
18	MP1C	Mx	.000379	5.5
19	MP1A	X	0	.5
20	MP1A	Z	8.059	.5
21	MP1A	Mx	-.006	.5
22	MP1A	X	0	5.5
23	MP1A	Z	8.059	5.5
24	MP1A	Mx	-.006	5.5
25	MP1B	X	0	.5
26	MP1B	Z	6.539	.5
27	MP1B	Mx	-.000379	.5
28	MP1B	X	0	5.5
29	MP1B	Z	6.539	5.5
30	MP1B	Mx	-.000379	5.5
31	MP1C	X	0	.5
32	MP1C	Z	6.539	.5
33	MP1C	Mx	.005	.5
34	MP1C	X	0	5.5
35	MP1C	Z	6.539	5.5
36	MP1C	Mx	.005	5.5
37	MP3A	X	0	2
38	MP3A	Z	4.967	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	4.967	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	2.525	2
45	MP3B	Mx	-.001	2
46	MP3B	X	0	4
47	MP3B	Z	2.525	4
48	MP3B	Mx	-.001	4
49	MP3C	X	0	2
50	MP3C	Z	2.525	2
51	MP3C	Mx	.001	2
52	MP3C	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	2.525	4
54	MP3C	Mx	.001	4
55	MP2A	X	0	4.25
56	MP2A	Z	3.928	4.25
57	MP2A	Mx	0	4.25
58	MP2B	X	0	4.25
59	MP2B	Z	2.959	4.25
60	MP2B	Mx	-.001	4.25
61	MP2C	X	0	4.25
62	MP2C	Z	2.959	4.25
63	MP2C	Mx	.001	4.25
64	MP2A	X	0	1.5
65	MP2A	Z	3.928	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	2.769	1.5
69	MP2B	Mx	-.001	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	2.769	1.5
72	MP2C	Mx	.001	1.5
73	OVP	X	0	1.5
74	OVP	Z	6.108	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	0	4.5
77	MP1B	Z	1.203	4.5
78	MP1B	Mx	.000521	4.5
79	MP1C	X	0	4.5
80	MP1C	Z	1.203	4.5
81	MP1C	Mx	-.000521	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.776	.5
2	MP1A	Z	6.541	.5
3	MP1A	Mx	.007	.5
4	MP1A	X	-3.776	5.5
5	MP1A	Z	6.541	5.5
6	MP1A	Mx	.007	5.5
7	MP1B	X	-3.016	.5
8	MP1B	Z	5.224	.5
9	MP1B	Mx	-.003	.5
10	MP1B	X	-3.016	5.5
11	MP1B	Z	5.224	5.5
12	MP1B	Mx	-.003	5.5
13	MP1C	X	-3.776	.5
14	MP1C	Z	6.541	.5
15	MP1C	Mx	-.003	.5
16	MP1C	X	-3.776	5.5
17	MP1C	Z	6.541	5.5
18	MP1C	Mx	-.003	5.5
19	MP1A	X	-3.776	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP1A	Z	6.541	.5
21	MP1A	Mx	-.003	.5
22	MP1A	X	-3.776	5.5
23	MP1A	Z	6.541	5.5
24	MP1A	Mx	-.003	5.5
25	MP1B	X	-3.016	.5
26	MP1B	Z	5.224	.5
27	MP1B	Mx	-.003	.5
28	MP1B	X	-3.016	5.5
29	MP1B	Z	5.224	5.5
30	MP1B	Mx	-.003	5.5
31	MP1C	X	-3.776	.5
32	MP1C	Z	6.541	.5
33	MP1C	Mx	.007	.5
34	MP1C	X	-3.776	5.5
35	MP1C	Z	6.541	5.5
36	MP1C	Mx	.007	5.5
37	MP3A	X	-2.077	2
38	MP3A	Z	3.597	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.077	4
41	MP3A	Z	3.597	4
42	MP3A	Mx	.001	4
43	MP3B	X	-.855	2
44	MP3B	Z	1.482	2
45	MP3B	Mx	-.000855	2
46	MP3B	X	-.855	4
47	MP3B	Z	1.482	4
48	MP3B	Mx	-.000855	4
49	MP3C	X	-2.077	2
50	MP3C	Z	3.597	2
51	MP3C	Mx	.001	2
52	MP3C	X	-2.077	4
53	MP3C	Z	3.597	4
54	MP3C	Mx	.001	4
55	MP2A	X	-1.803	4.25
56	MP2A	Z	3.122	4.25
57	MP2A	Mx	.000902	4.25
58	MP2B	X	-1.318	4.25
59	MP2B	Z	2.283	4.25
60	MP2B	Mx	-.001	4.25
61	MP2C	X	-1.803	4.25
62	MP2C	Z	3.122	4.25
63	MP2C	Mx	.000901	4.25
64	MP2A	X	-1.771	1.5
65	MP2A	Z	3.067	1.5
66	MP2A	Mx	.000886	1.5
67	MP2B	X	-1.191	1.5
68	MP2B	Z	2.063	1.5
69	MP2B	Mx	-.001	1.5
70	MP2C	X	-1.771	1.5
71	MP2C	Z	3.067	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	.000885	1.5
73	OVP	X	-3.295	1.5
74	OVP	Z	5.707	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-.396	4.5
77	MP1B	Z	.687	4.5
78	MP1B	Mx	.000396	4.5
79	MP1C	X	-1.011	4.5
80	MP1C	Z	1.752	4.5
81	MP1C	Mx	-.000506	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-5.663	.5
2	MP1A	Z	3.269	.5
3	MP1A	Mx	.005	.5
4	MP1A	X	-5.663	5.5
5	MP1A	Z	3.269	5.5
6	MP1A	Mx	.005	5.5
7	MP1B	X	-5.663	.5
8	MP1B	Z	3.269	.5
9	MP1B	Mx	-.000379	.5
10	MP1B	X	-5.663	5.5
11	MP1B	Z	3.269	5.5
12	MP1B	Mx	-.000379	5.5
13	MP1C	X	-6.98	.5
14	MP1C	Z	4.03	.5
15	MP1C	Mx	-.006	.5
16	MP1C	X	-6.98	5.5
17	MP1C	Z	4.03	5.5
18	MP1C	Mx	-.006	5.5
19	MP1A	X	-5.663	.5
20	MP1A	Z	3.269	.5
21	MP1A	Mx	.00038	.5
22	MP1A	X	-5.663	5.5
23	MP1A	Z	3.269	5.5
24	MP1A	Mx	.00038	5.5
25	MP1B	X	-5.663	.5
26	MP1B	Z	3.269	.5
27	MP1B	Mx	-.005	.5
28	MP1B	X	-5.663	5.5
29	MP1B	Z	3.269	5.5
30	MP1B	Mx	-.005	5.5
31	MP1C	X	-6.98	.5
32	MP1C	Z	4.03	.5
33	MP1C	Mx	.006	.5
34	MP1C	X	-6.98	5.5
35	MP1C	Z	4.03	5.5
36	MP1C	Mx	.006	5.5
37	MP3A	X	-2.187	2
38	MP3A	Z	1.262	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	.001	2
40	MP3A	X	-2.187	4
41	MP3A	Z	1.262	4
42	MP3A	Mx	.001	4
43	MP3B	X	-2.187	2
44	MP3B	Z	1.262	2
45	MP3B	Mx	-.001	2
46	MP3B	X	-2.187	4
47	MP3B	Z	1.262	4
48	MP3B	Mx	-.001	4
49	MP3C	X	-4.302	2
50	MP3C	Z	2.484	2
51	MP3C	Mx	0	2
52	MP3C	X	-4.302	4
53	MP3C	Z	2.484	4
54	MP3C	Mx	0	4
55	MP2A	X	-2.563	4.25
56	MP2A	Z	1.479	4.25
57	MP2A	Mx	.001	4.25
58	MP2B	X	-2.563	4.25
59	MP2B	Z	1.479	4.25
60	MP2B	Mx	-.001	4.25
61	MP2C	X	-3.402	4.25
62	MP2C	Z	1.964	4.25
63	MP2C	Mx	0	4.25
64	MP2A	X	-2.398	1.5
65	MP2A	Z	1.384	1.5
66	MP2A	Mx	.001	1.5
67	MP2B	X	-2.398	1.5
68	MP2B	Z	1.384	1.5
69	MP2B	Mx	-.001	1.5
70	MP2C	X	-3.402	1.5
71	MP2C	Z	1.964	1.5
72	MP2C	Mx	0	1.5
73	OVP	X	-6.541	1.5
74	OVP	Z	3.776	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-1.042	4.5
77	MP1B	Z	.601	4.5
78	MP1B	Mx	.000521	4.5
79	MP1C	X	-2.107	4.5
80	MP1C	Z	1.217	4.5
81	MP1C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-6.032	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.003	.5
4	MP1A	X	-6.032	5.5
5	MP1A	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	.003	5.5
7	MP1B	X	-7.553	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.003	.5
10	MP1B	X	-7.553	5.5
11	MP1B	Z	0	5.5
12	MP1B	Mx	.003	5.5
13	MP1C	X	-7.553	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.007	.5
16	MP1C	X	-7.553	5.5
17	MP1C	Z	0	5.5
18	MP1C	Mx	-.007	5.5
19	MP1A	X	-6.032	.5
20	MP1A	Z	0	.5
21	MP1A	Mx	.003	.5
22	MP1A	X	-6.032	5.5
23	MP1A	Z	0	5.5
24	MP1A	Mx	.003	5.5
25	MP1B	X	-7.553	.5
26	MP1B	Z	0	.5
27	MP1B	Mx	-.007	.5
28	MP1B	X	-7.553	5.5
29	MP1B	Z	0	5.5
30	MP1B	Mx	-.007	5.5
31	MP1C	X	-7.553	.5
32	MP1C	Z	0	.5
33	MP1C	Mx	.003	.5
34	MP1C	X	-7.553	5.5
35	MP1C	Z	0	5.5
36	MP1C	Mx	.003	5.5
37	MP3A	X	-1.711	2
38	MP3A	Z	0	2
39	MP3A	Mx	.000856	2
40	MP3A	X	-1.711	4
41	MP3A	Z	0	4
42	MP3A	Mx	.000856	4
43	MP3B	X	-4.153	2
44	MP3B	Z	0	2
45	MP3B	Mx	-.001	2
46	MP3B	X	-4.153	4
47	MP3B	Z	0	4
48	MP3B	Mx	-.001	4
49	MP3C	X	-4.153	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.001	2
52	MP3C	X	-4.153	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.001	4
55	MP2A	X	-2.636	4.25
56	MP2A	Z	0	4.25
57	MP2A	Mx	.001	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-3.605	4.25
59	MP2B	Z	0	4.25
60	MP2B	Mx	-.000901	4.25
61	MP2C	X	-3.605	4.25
62	MP2C	Z	0	4.25
63	MP2C	Mx	-.000901	4.25
64	MP2A	X	-2.382	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	.001	1.5
67	MP2B	X	-3.542	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	-.000886	1.5
70	MP2C	X	-3.542	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	-.000886	1.5
73	OVP	X	-8.034	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-2.023	4.5
77	MP1B	Z	0	4.5
78	MP1B	Mx	.000506	4.5
79	MP1C	X	-2.023	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	.000506	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-5.663	.5
2	MP1A	Z	-3.269	.5
3	MP1A	Mx	.00038	.5
4	MP1A	X	-5.663	5.5
5	MP1A	Z	-3.269	5.5
6	MP1A	Mx	.00038	5.5
7	MP1B	X	-6.98	.5
8	MP1B	Z	-4.03	.5
9	MP1B	Mx	.006	.5
10	MP1B	X	-6.98	5.5
11	MP1B	Z	-4.03	5.5
12	MP1B	Mx	.006	5.5
13	MP1C	X	-5.663	.5
14	MP1C	Z	-3.269	.5
15	MP1C	Mx	-.005	.5
16	MP1C	X	-5.663	5.5
17	MP1C	Z	-3.269	5.5
18	MP1C	Mx	-.005	5.5
19	MP1A	X	-5.663	.5
20	MP1A	Z	-3.269	.5
21	MP1A	Mx	.005	.5
22	MP1A	X	-5.663	5.5
23	MP1A	Z	-3.269	5.5
24	MP1A	Mx	.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP1B	X	-6.98	.5
26	MP1B	Z	-4.03	.5
27	MP1B	Mx	-.006	.5
28	MP1B	X	-6.98	5.5
29	MP1B	Z	-4.03	5.5
30	MP1B	Mx	-.006	5.5
31	MP1C	X	-5.663	.5
32	MP1C	Z	-3.269	.5
33	MP1C	Mx	-.000379	.5
34	MP1C	X	-5.663	5.5
35	MP1C	Z	-3.269	5.5
36	MP1C	Mx	-.000379	5.5
37	MP3A	X	-2.187	2
38	MP3A	Z	-1.262	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.187	4
41	MP3A	Z	-1.262	4
42	MP3A	Mx	.001	4
43	MP3B	X	-4.302	2
44	MP3B	Z	-2.484	2
45	MP3B	Mx	0	2
46	MP3B	X	-4.302	4
47	MP3B	Z	-2.484	4
48	MP3B	Mx	0	4
49	MP3C	X	-2.187	2
50	MP3C	Z	-1.262	2
51	MP3C	Mx	-.001	2
52	MP3C	X	-2.187	4
53	MP3C	Z	-1.262	4
54	MP3C	Mx	-.001	4
55	MP2A	X	-2.563	4.25
56	MP2A	Z	-1.479	4.25
57	MP2A	Mx	.001	4.25
58	MP2B	X	-3.402	4.25
59	MP2B	Z	-1.964	4.25
60	MP2B	Mx	0	4.25
61	MP2C	X	-2.563	4.25
62	MP2C	Z	-1.479	4.25
63	MP2C	Mx	-.001	4.25
64	MP2A	X	-2.398	1.5
65	MP2A	Z	-1.384	1.5
66	MP2A	Mx	.001	1.5
67	MP2B	X	-3.402	1.5
68	MP2B	Z	-1.964	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	-2.398	1.5
71	MP2C	Z	-1.384	1.5
72	MP2C	Mx	-.001	1.5
73	OVP	X	-6.541	1.5
74	OVP	Z	-3.776	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-2.107	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1B	Z	-1.217	4.5
78	MP1B	Mx	0	4.5
79	MP1C	X	-1.042	4.5
80	MP1C	Z	-.601	4.5
81	MP1C	Mx	.000521	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.776	.5
2	MP1A	Z	-6.541	.5
3	MP1A	Mx	-.003	.5
4	MP1A	X	-3.776	5.5
5	MP1A	Z	-6.541	5.5
6	MP1A	Mx	-.003	5.5
7	MP1B	X	-3.776	.5
8	MP1B	Z	-6.541	.5
9	MP1B	Mx	.007	.5
10	MP1B	X	-3.776	5.5
11	MP1B	Z	-6.541	5.5
12	MP1B	Mx	.007	5.5
13	MP1C	X	-3.016	.5
14	MP1C	Z	-5.224	.5
15	MP1C	Mx	-.003	.5
16	MP1C	X	-3.016	5.5
17	MP1C	Z	-5.224	5.5
18	MP1C	Mx	-.003	5.5
19	MP1A	X	-3.776	.5
20	MP1A	Z	-6.541	.5
21	MP1A	Mx	.007	.5
22	MP1A	X	-3.776	5.5
23	MP1A	Z	-6.541	5.5
24	MP1A	Mx	.007	5.5
25	MP1B	X	-3.776	.5
26	MP1B	Z	-6.541	.5
27	MP1B	Mx	-.003	.5
28	MP1B	X	-3.776	5.5
29	MP1B	Z	-6.541	5.5
30	MP1B	Mx	-.003	5.5
31	MP1C	X	-3.016	.5
32	MP1C	Z	-5.224	.5
33	MP1C	Mx	-.003	.5
34	MP1C	X	-3.016	5.5
35	MP1C	Z	-5.224	5.5
36	MP1C	Mx	-.003	5.5
37	MP3A	X	-2.077	2
38	MP3A	Z	-3.597	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.077	4
41	MP3A	Z	-3.597	4
42	MP3A	Mx	.001	4
43	MP3B	X	-2.077	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	-3.597	2
45	MP3B	Mx	.001	2
46	MP3B	X	-2.077	4
47	MP3B	Z	-3.597	4
48	MP3B	Mx	.001	4
49	MP3C	X	-.855	2
50	MP3C	Z	-1.482	2
51	MP3C	Mx	-.000855	2
52	MP3C	X	-.855	4
53	MP3C	Z	-1.482	4
54	MP3C	Mx	-.000855	4
55	MP2A	X	-1.803	4.25
56	MP2A	Z	-3.122	4.25
57	MP2A	Mx	.000902	4.25
58	MP2B	X	-1.803	4.25
59	MP2B	Z	-3.122	4.25
60	MP2B	Mx	.000901	4.25
61	MP2C	X	-1.318	4.25
62	MP2C	Z	-2.283	4.25
63	MP2C	Mx	-.001	4.25
64	MP2A	X	-1.771	1.5
65	MP2A	Z	-3.067	1.5
66	MP2A	Mx	.000886	1.5
67	MP2B	X	-1.771	1.5
68	MP2B	Z	-3.067	1.5
69	MP2B	Mx	.000885	1.5
70	MP2C	X	-1.191	1.5
71	MP2C	Z	-2.063	1.5
72	MP2C	Mx	-.001	1.5
73	OVP	X	-3.295	1.5
74	OVP	Z	-5.707	1.5
75	OVP	Mx	0	1.5
76	MP1B	X	-1.011	4.5
77	MP1B	Z	-1.752	4.5
78	MP1B	Mx	-.000506	4.5
79	MP1C	X	-.396	4.5
80	MP1C	Z	-.687	4.5
81	MP1C	Mx	.000396	4.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LM2	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LM1	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-1.961	.5
2	MP1A	My	-.00098	.5
3	MP1A	Mz	.001	.5
4	MP1A	Y	-1.961	5.5
5	MP1A	My	-.00098	5.5
6	MP1A	Mz	.001	5.5
7	MP1B	Y	-1.961	.5
8	MP1B	My	-.000783	.5
9	MP1B	Mz	-.002	.5
10	MP1B	Y	-1.961	5.5
11	MP1B	My	-.000783	5.5
12	MP1B	Mz	-.002	5.5
13	MP1C	Y	-1.961	.5
14	MP1C	My	.002	.5
15	MP1C	Mz	.000114	.5
16	MP1C	Y	-1.961	5.5
17	MP1C	My	.002	5.5
18	MP1C	Mz	.000114	5.5
19	MP1A	Y	-1.961	.5
20	MP1A	My	-.00098	.5
21	MP1A	Mz	-.001	.5
22	MP1A	Y	-1.961	5.5
23	MP1A	My	-.00098	5.5
24	MP1A	Mz	-.001	5.5
25	MP1B	Y	-1.961	.5
26	MP1B	My	.002	.5
27	MP1B	Mz	-.000114	.5
28	MP1B	Y	-1.961	5.5
29	MP1B	My	.002	5.5
30	MP1B	Mz	-.000114	5.5
31	MP1C	Y	-1.961	.5
32	MP1C	My	-.000783	.5
33	MP1C	Mz	.002	.5
34	MP1C	Y	-1.961	5.5
35	MP1C	My	-.000783	5.5
36	MP1C	Mz	.002	5.5
37	MP3A	Y	-1.877	2
38	MP3A	My	-.000938	2
39	MP3A	Mz	0	2
40	MP3A	Y	-1.877	4
41	MP3A	My	-.000938	4
42	MP3A	Mz	0	4
43	MP3B	Y	-1.877	2
44	MP3B	My	.000469	2
45	MP3B	Mz	-.000813	2
46	MP3B	Y	-1.877	4
47	MP3B	My	.000469	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mz	-.000813	4
49	MP3C	Y	-1.877	2
50	MP3C	My	.000469	2
51	MP3C	Mz	.000813	2
52	MP3C	Y	-1.877	4
53	MP3C	My	.000469	4
54	MP3C	Mz	.000813	4
55	MP2A	Y	-3.219	4.25
56	MP2A	My	-.002	4.25
57	MP2A	Mz	0	4.25
58	MP2B	Y	-3.219	4.25
59	MP2B	My	.000805	4.25
60	MP2B	Mz	-.001	4.25
61	MP2C	Y	-3.219	4.25
62	MP2C	My	.000805	4.25
63	MP2C	Mz	.001	4.25
64	MP2A	Y	-3.029	1.5
65	MP2A	My	-.002	1.5
66	MP2A	Mz	0	1.5
67	MP2B	Y	-3.029	1.5
68	MP2B	My	.000757	1.5
69	MP2B	Mz	-.001	1.5
70	MP2C	Y	-3.029	1.5
71	MP2C	My	.000757	1.5
72	MP2C	Mz	.001	1.5
73	OVP	Y	-1.379	1.5
74	OVP	My	0	1.5
75	OVP	Mz	0	1.5
76	MP1B	Y	-.758	4.5
77	MP1B	My	-.00019	4.5
78	MP1B	Mz	.000328	4.5
79	MP1C	Y	-.758	4.5
80	MP1C	My	-.00019	4.5
81	MP1C	Mz	-.000328	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Z	-4.902	.5
2	MP1A	Mx	-.004	.5
3	MP1A	Z	-4.902	5.5
4	MP1A	Mx	-.004	5.5
5	MP1B	Z	-4.902	.5
6	MP1B	Mx	.004	.5
7	MP1B	Z	-4.902	5.5
8	MP1B	Mx	.004	5.5
9	MP1C	Z	-4.902	.5
10	MP1C	Mx	-.000284	.5
11	MP1C	Z	-4.902	5.5
12	MP1C	Mx	-.000284	5.5
13	MP1A	Z	-4.902	.5
14	MP1A	Mx	.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1A	Z	-4.902	5.5
16	MP1A	Mx	.004	5.5
17	MP1B	Z	-4.902	.5
18	MP1B	Mx	.000284	.5
19	MP1B	Z	-4.902	5.5
20	MP1B	Mx	.000284	5.5
21	MP1C	Z	-4.902	.5
22	MP1C	Mx	-.004	.5
23	MP1C	Z	-4.902	5.5
24	MP1C	Mx	-.004	5.5
25	MP3A	Z	-4.692	2
26	MP3A	Mx	0	2
27	MP3A	Z	-4.692	4
28	MP3A	Mx	0	4
29	MP3B	Z	-4.692	2
30	MP3B	Mx	.002	2
31	MP3B	Z	-4.692	4
32	MP3B	Mx	.002	4
33	MP3C	Z	-4.692	2
34	MP3C	Mx	-.002	2
35	MP3C	Z	-4.692	4
36	MP3C	Mx	-.002	4
37	MP2A	Z	-8.048	4.25
38	MP2A	Mx	0	4.25
39	MP2B	Z	-8.048	4.25
40	MP2B	Mx	.003	4.25
41	MP2C	Z	-8.048	4.25
42	MP2C	Mx	-.003	4.25
43	MP2A	Z	-7.574	1.5
44	MP2A	Mx	0	1.5
45	MP2B	Z	-7.574	1.5
46	MP2B	Mx	.003	1.5
47	MP2C	Z	-7.574	1.5
48	MP2C	Mx	-.003	1.5
49	OVP	Z	-3.447	1.5
50	OVP	Mx	0	1.5
51	MP1B	Z	-1.896	4.5
52	MP1B	Mx	-.000821	4.5
53	MP1C	Z	-1.896	4.5
54	MP1C	Mx	.000821	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.902	.5
2	MP1A	Mx	-.002	.5
3	MP1A	X	4.902	5.5
4	MP1A	Mx	-.002	5.5
5	MP1B	X	4.902	.5
6	MP1B	Mx	-.002	.5
7	MP1B	X	4.902	5.5
8	MP1B	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP1C	X	4.902	.5
10	MP1C	Mx	.004	.5
11	MP1C	X	4.902	5.5
12	MP1C	Mx	.004	5.5
13	MP1A	X	4.902	.5
14	MP1A	Mx	-.002	.5
15	MP1A	X	4.902	5.5
16	MP1A	Mx	-.002	5.5
17	MP1B	X	4.902	.5
18	MP1B	Mx	.004	.5
19	MP1B	X	4.902	5.5
20	MP1B	Mx	.004	5.5
21	MP1C	X	4.902	.5
22	MP1C	Mx	-.002	.5
23	MP1C	X	4.902	5.5
24	MP1C	Mx	-.002	5.5
25	MP3A	X	4.692	2
26	MP3A	Mx	-.002	2
27	MP3A	X	4.692	4
28	MP3A	Mx	-.002	4
29	MP3B	X	4.692	2
30	MP3B	Mx	.001	2
31	MP3B	X	4.692	4
32	MP3B	Mx	.001	4
33	MP3C	X	4.692	2
34	MP3C	Mx	.001	2
35	MP3C	X	4.692	4
36	MP3C	Mx	.001	4
37	MP2A	X	8.048	4.25
38	MP2A	Mx	-.004	4.25
39	MP2B	X	8.048	4.25
40	MP2B	Mx	.002	4.25
41	MP2C	X	8.048	4.25
42	MP2C	Mx	.002	4.25
43	MP2A	X	7.574	1.5
44	MP2A	Mx	-.004	1.5
45	MP2B	X	7.574	1.5
46	MP2B	Mx	.002	1.5
47	MP2C	X	7.574	1.5
48	MP2C	Mx	.002	1.5
49	OVP	X	3.447	1.5
50	OVP	Mx	0	1.5
51	MP1B	X	1.896	4.5
52	MP1B	Mx	-.000474	4.5
53	MP1C	X	1.896	4.5
54	MP1C	Mx	-.000474	4.5

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-9.445	-9.445	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	M2	Y	-11.326	-11.326	0	%100
3	M7	Y	-9.445	-9.445	0	%100
4	M8	Y	-11.326	-11.326	0	%100
5	M13	Y	-9.445	-9.445	0	%100
6	M14	Y	-11.326	-11.326	0	%100
7	M23	Y	-4.883	-4.883	0	%100
8	LV	Y	-4.883	-4.883	0	%100
9	MP3A	Y	-4.883	-4.883	0	%100
10	MP1A	Y	-4.883	-4.883	0	%100
11	MP2A	Y	-5.578	-5.578	0	%100
12	M38	Y	-4.883	-4.883	0	%100
13	M39	Y	-4.883	-4.883	0	%100
14	MP3C	Y	-4.883	-4.883	0	%100
15	MP1C	Y	-4.883	-4.883	0	%100
16	MP2C	Y	-5.578	-5.578	0	%100
17	M53	Y	-4.883	-4.883	0	%100
18	M54	Y	-4.883	-4.883	0	%100
19	MP3B	Y	-4.883	-4.883	0	%100
20	MP1B	Y	-4.883	-4.883	0	%100
21	MP2B	Y	-5.578	-5.578	0	%100
22	M65	Y	-4.883	-4.883	0	%100
23	M65A	Y	-4.883	-4.883	0	%100
24	OVP	Y	-4.883	-4.883	0	%100
25	M69	Y	-4.883	-4.883	0	%100
26	M65C	Y	-4.883	-4.883	0	%100
27	M69A	Y	-4.883	-4.883	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-8.366	-8.366	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-6.916	-6.916	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-8.366	-8.366	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-6.916	-6.916	0	%100
9	M13	X	0	0	0	%100
10	M13	Z	0	0	0	%100
11	M14	X	0	0	0	%100
12	M14	Z	-27.665	-27.665	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	-9.312	-9.312	0	%100
15	LV	X	0	0	0	%100
16	LV	Z	-9.312	-9.312	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	-9.312	-9.312	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-9.312	-9.312	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-11.273	-11.273	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M38	X	0	0	0	%100
24	M38	Z	-2.328	-2.328	0	%100
25	M39	X	0	0	0	%100
26	M39	Z	-2.328	-2.328	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	-9.312	-9.312	0	%100
29	MP1C	X	0	0	0	%100
30	MP1C	Z	-9.312	-9.312	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-11.273	-11.273	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	-2.328	-2.328	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	-2.328	-2.328	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	-9.312	-9.312	0	%100
39	MP1B	X	0	0	0	%100
40	MP1B	Z	-9.312	-9.312	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	-11.273	-11.273	0	%100
43	M65	X	0	0	0	%100
44	M65	Z	-9.312	-9.312	0	%100
45	M65A	X	0	0	0	%100
46	M65A	Z	-9.312	-9.312	0	%100
47	OVP	X	0	0	0	%100
48	OVP	Z	-9.312	-9.312	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	-9.312	-9.312	0	%100
51	M65C	X	0	0	0	%100
52	M65C	Z	-9.312	-9.312	0	%100
53	M69A	X	0	0	0	%100
54	M69A	Z	-9.312	-9.312	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.577	5.577	0	%100
2	M1	Z	-9.66	-9.66	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M7	X	1.394	1.394	0	%100
6	M7	Z	-2.415	-2.415	0	%100
7	M8	X	10.374	10.374	0	%100
8	M8	Z	-17.969	-17.969	0	%100
9	M13	X	1.394	1.394	0	%100
10	M13	Z	-2.415	-2.415	0	%100
11	M14	X	10.374	10.374	0	%100
12	M14	Z	-17.969	-17.969	0	%100
13	M23	X	3.492	3.492	0	%100
14	M23	Z	-6.049	-6.049	0	%100
15	LV	X	3.492	3.492	0	%100
16	LV	Z	-6.049	-6.049	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	MP3A	X	4.656	4.656	0	%100
18	MP3A	Z	-8.065	-8.065	0	%100
19	MP1A	X	4.656	4.656	0	%100
20	MP1A	Z	-8.065	-8.065	0	%100
21	MP2A	X	5.636	5.636	0	%100
22	MP2A	Z	-9.763	-9.763	0	%100
23	M38	X	3.492	3.492	0	%100
24	M38	Z	-6.049	-6.049	0	%100
25	M39	X	3.492	3.492	0	%100
26	M39	Z	-6.049	-6.049	0	%100
27	MP3C	X	4.656	4.656	0	%100
28	MP3C	Z	-8.065	-8.065	0	%100
29	MP1C	X	4.656	4.656	0	%100
30	MP1C	Z	-8.065	-8.065	0	%100
31	MP2C	X	5.636	5.636	0	%100
32	MP2C	Z	-9.763	-9.763	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	MP3B	X	4.656	4.656	0	%100
38	MP3B	Z	-8.065	-8.065	0	%100
39	MP1B	X	4.656	4.656	0	%100
40	MP1B	Z	-8.065	-8.065	0	%100
41	MP2B	X	5.636	5.636	0	%100
42	MP2B	Z	-9.763	-9.763	0	%100
43	M65	X	4.656	4.656	0	%100
44	M65	Z	-8.065	-8.065	0	%100
45	M65A	X	4.656	4.656	0	%100
46	M65A	Z	-8.065	-8.065	0	%100
47	OVP	X	4.656	4.656	0	%100
48	OVP	Z	-8.065	-8.065	0	%100
49	M69	X	4.656	4.656	0	%100
50	M69	Z	-8.065	-8.065	0	%100
51	M65C	X	4.656	4.656	0	%100
52	M65C	Z	-8.065	-8.065	0	%100
53	M69A	X	4.656	4.656	0	%100
54	M69A	Z	-8.065	-8.065	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	7.245	7.245	0	%100
2	M1	Z	-4.183	-4.183	0	%100
3	M2	X	5.99	5.99	0	%100
4	M2	Z	-3.458	-3.458	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	23.959	23.959	0	%100
8	M8	Z	-13.832	-13.832	0	%100
9	M13	X	7.245	7.245	0	%100
10	M13	Z	-4.183	-4.183	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M14	X	5.99	5.99	0	%100
12	M14	Z	-3.458	-3.458	0	%100
13	M23	X	2.016	2.016	0	%100
14	M23	Z	-1.164	-1.164	0	%100
15	LV	X	2.016	2.016	0	%100
16	LV	Z	-1.164	-1.164	0	%100
17	MP3A	X	8.065	8.065	0	%100
18	MP3A	Z	-4.656	-4.656	0	%100
19	MP1A	X	8.065	8.065	0	%100
20	MP1A	Z	-4.656	-4.656	0	%100
21	MP2A	X	9.763	9.763	0	%100
22	MP2A	Z	-5.636	-5.636	0	%100
23	M38	X	8.065	8.065	0	%100
24	M38	Z	-4.656	-4.656	0	%100
25	M39	X	8.065	8.065	0	%100
26	M39	Z	-4.656	-4.656	0	%100
27	MP3C	X	8.065	8.065	0	%100
28	MP3C	Z	-4.656	-4.656	0	%100
29	MP1C	X	8.065	8.065	0	%100
30	MP1C	Z	-4.656	-4.656	0	%100
31	MP2C	X	9.763	9.763	0	%100
32	MP2C	Z	-5.636	-5.636	0	%100
33	M53	X	2.016	2.016	0	%100
34	M53	Z	-1.164	-1.164	0	%100
35	M54	X	2.016	2.016	0	%100
36	M54	Z	-1.164	-1.164	0	%100
37	MP3B	X	8.065	8.065	0	%100
38	MP3B	Z	-4.656	-4.656	0	%100
39	MP1B	X	8.065	8.065	0	%100
40	MP1B	Z	-4.656	-4.656	0	%100
41	MP2B	X	9.763	9.763	0	%100
42	MP2B	Z	-5.636	-5.636	0	%100
43	M65	X	8.065	8.065	0	%100
44	M65	Z	-4.656	-4.656	0	%100
45	M65A	X	8.065	8.065	0	%100
46	M65A	Z	-4.656	-4.656	0	%100
47	OVP	X	8.065	8.065	0	%100
48	OVP	Z	-4.656	-4.656	0	%100
49	M69	X	8.065	8.065	0	%100
50	M69	Z	-4.656	-4.656	0	%100
51	M65C	X	8.065	8.065	0	%100
52	M65C	Z	-4.656	-4.656	0	%100
53	M69A	X	8.065	8.065	0	%100
54	M69A	Z	-4.656	-4.656	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.789	2.789	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	20.749	20.749	0	%100
4	M2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M7	X	2.789	2.789	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	20.749	20.749	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	11.155	11.155	0	%100
10	M13	Z	0	0	0	%100
11	M14	X	0	0	0	%100
12	M14	Z	0	0	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	0	0	0	%100
15	LV	X	0	0	0	%100
16	LV	Z	0	0	0	%100
17	MP3A	X	9.312	9.312	0	%100
18	MP3A	Z	0	0	0	%100
19	MP1A	X	9.312	9.312	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	11.273	11.273	0	%100
22	MP2A	Z	0	0	0	%100
23	M38	X	6.984	6.984	0	%100
24	M38	Z	0	0	0	%100
25	M39	X	6.984	6.984	0	%100
26	M39	Z	0	0	0	%100
27	MP3C	X	9.312	9.312	0	%100
28	MP3C	Z	0	0	0	%100
29	MP1C	X	9.312	9.312	0	%100
30	MP1C	Z	0	0	0	%100
31	MP2C	X	11.273	11.273	0	%100
32	MP2C	Z	0	0	0	%100
33	M53	X	6.984	6.984	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	6.984	6.984	0	%100
36	M54	Z	0	0	0	%100
37	MP3B	X	9.312	9.312	0	%100
38	MP3B	Z	0	0	0	%100
39	MP1B	X	9.312	9.312	0	%100
40	MP1B	Z	0	0	0	%100
41	MP2B	X	11.273	11.273	0	%100
42	MP2B	Z	0	0	0	%100
43	M65	X	9.312	9.312	0	%100
44	M65	Z	0	0	0	%100
45	M65A	X	9.312	9.312	0	%100
46	M65A	Z	0	0	0	%100
47	OVP	X	9.312	9.312	0	%100
48	OVP	Z	0	0	0	%100
49	M69	X	9.312	9.312	0	%100
50	M69	Z	0	0	0	%100
51	M65C	X	9.312	9.312	0	%100
52	M65C	Z	0	0	0	%100
53	M69A	X	9.312	9.312	0	%100
54	M69A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	23.959	23.959	0	%100
4	M2	Z	13.832	13.832	0	%100
5	M7	X	7.245	7.245	0	%100
6	M7	Z	4.183	4.183	0	%100
7	M8	X	5.99	5.99	0	%100
8	M8	Z	3.458	3.458	0	%100
9	M13	X	7.245	7.245	0	%100
10	M13	Z	4.183	4.183	0	%100
11	M14	X	5.99	5.99	0	%100
12	M14	Z	3.458	3.458	0	%100
13	M23	X	2.016	2.016	0	%100
14	M23	Z	1.164	1.164	0	%100
15	LV	X	2.016	2.016	0	%100
16	LV	Z	1.164	1.164	0	%100
17	MP3A	X	8.065	8.065	0	%100
18	MP3A	Z	4.656	4.656	0	%100
19	MP1A	X	8.065	8.065	0	%100
20	MP1A	Z	4.656	4.656	0	%100
21	MP2A	X	9.763	9.763	0	%100
22	MP2A	Z	5.636	5.636	0	%100
23	M38	X	2.016	2.016	0	%100
24	M38	Z	1.164	1.164	0	%100
25	M39	X	2.016	2.016	0	%100
26	M39	Z	1.164	1.164	0	%100
27	MP3C	X	8.065	8.065	0	%100
28	MP3C	Z	4.656	4.656	0	%100
29	MP1C	X	8.065	8.065	0	%100
30	MP1C	Z	4.656	4.656	0	%100
31	MP2C	X	9.763	9.763	0	%100
32	MP2C	Z	5.636	5.636	0	%100
33	M53	X	8.065	8.065	0	%100
34	M53	Z	4.656	4.656	0	%100
35	M54	X	8.065	8.065	0	%100
36	M54	Z	4.656	4.656	0	%100
37	MP3B	X	8.065	8.065	0	%100
38	MP3B	Z	4.656	4.656	0	%100
39	MP1B	X	8.065	8.065	0	%100
40	MP1B	Z	4.656	4.656	0	%100
41	MP2B	X	9.763	9.763	0	%100
42	MP2B	Z	5.636	5.636	0	%100
43	M65	X	8.065	8.065	0	%100
44	M65	Z	4.656	4.656	0	%100
45	M65A	X	8.065	8.065	0	%100
46	M65A	Z	4.656	4.656	0	%100
47	OVP	X	8.065	8.065	0	%100
48	OVP	Z	4.656	4.656	0	%100
49	M69	X	8.065	8.065	0	%100
50	M69	Z	4.656	4.656	0	%100
51	M65C	X	8.065	8.065	0	%100
52	M65C	Z	4.656	4.656	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M69A	X	8.065	8.065	0	%100
54	M69A	Z	4.656	4.656	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.394	1.394	0	%100
2	M1	Z	2.415	2.415	0	%100
3	M2	X	10.374	10.374	0	%100
4	M2	Z	17.969	17.969	0	%100
5	M7	X	5.577	5.577	0	%100
6	M7	Z	9.66	9.66	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	1.394	1.394	0	%100
10	M13	Z	2.415	2.415	0	%100
11	M14	X	10.374	10.374	0	%100
12	M14	Z	17.969	17.969	0	%100
13	M23	X	3.492	3.492	0	%100
14	M23	Z	6.049	6.049	0	%100
15	LV	X	3.492	3.492	0	%100
16	LV	Z	6.049	6.049	0	%100
17	MP3A	X	4.656	4.656	0	%100
18	MP3A	Z	8.065	8.065	0	%100
19	MP1A	X	4.656	4.656	0	%100
20	MP1A	Z	8.065	8.065	0	%100
21	MP2A	X	5.636	5.636	0	%100
22	MP2A	Z	9.763	9.763	0	%100
23	M38	X	0	0	0	%100
24	M38	Z	0	0	0	%100
25	M39	X	0	0	0	%100
26	M39	Z	0	0	0	%100
27	MP3C	X	4.656	4.656	0	%100
28	MP3C	Z	8.065	8.065	0	%100
29	MP1C	X	4.656	4.656	0	%100
30	MP1C	Z	8.065	8.065	0	%100
31	MP2C	X	5.636	5.636	0	%100
32	MP2C	Z	9.763	9.763	0	%100
33	M53	X	3.492	3.492	0	%100
34	M53	Z	6.049	6.049	0	%100
35	M54	X	3.492	3.492	0	%100
36	M54	Z	6.049	6.049	0	%100
37	MP3B	X	4.656	4.656	0	%100
38	MP3B	Z	8.065	8.065	0	%100
39	MP1B	X	4.656	4.656	0	%100
40	MP1B	Z	8.065	8.065	0	%100
41	MP2B	X	5.636	5.636	0	%100
42	MP2B	Z	9.763	9.763	0	%100
43	M65	X	4.656	4.656	0	%100
44	M65	Z	8.065	8.065	0	%100
45	M65A	X	4.656	4.656	0	%100
46	M65A	Z	8.065	8.065	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	OVP	X	4.656	4.656	0	%100
48	OVP	Z	8.065	8.065	0	%100
49	M69	X	4.656	4.656	0	%100
50	M69	Z	8.065	8.065	0	%100
51	M65C	X	4.656	4.656	0	%100
52	M65C	Z	8.065	8.065	0	%100
53	M69A	X	4.656	4.656	0	%100
54	M69A	Z	8.065	8.065	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	8.366	8.366	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	6.916	6.916	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	8.366	8.366	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	6.916	6.916	0	%100
9	M13	X	0	0	0	%100
10	M13	Z	0	0	0	%100
11	M14	X	0	0	0	%100
12	M14	Z	27.665	27.665	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	9.312	9.312	0	%100
15	LV	X	0	0	0	%100
16	LV	Z	9.312	9.312	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	9.312	9.312	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	9.312	9.312	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	11.273	11.273	0	%100
23	M38	X	0	0	0	%100
24	M38	Z	2.328	2.328	0	%100
25	M39	X	0	0	0	%100
26	M39	Z	2.328	2.328	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	9.312	9.312	0	%100
29	MP1C	X	0	0	0	%100
30	MP1C	Z	9.312	9.312	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	11.273	11.273	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	2.328	2.328	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	2.328	2.328	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	9.312	9.312	0	%100
39	MP1B	X	0	0	0	%100
40	MP1B	Z	9.312	9.312	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	MP2B	X	0	0	0	%100
42	MP2B	Z	11.273	11.273	0	%100
43	M65	X	0	0	0	%100
44	M65	Z	9.312	9.312	0	%100
45	M65A	X	0	0	0	%100
46	M65A	Z	9.312	9.312	0	%100
47	OVP	X	0	0	0	%100
48	OVP	Z	9.312	9.312	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	9.312	9.312	0	%100
51	M65C	X	0	0	0	%100
52	M65C	Z	9.312	9.312	0	%100
53	M69A	X	0	0	0	%100
54	M69A	Z	9.312	9.312	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.577	-5.577	0	%100
2	M1	Z	9.66	9.66	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M7	X	-1.394	-1.394	0	%100
6	M7	Z	2.415	2.415	0	%100
7	M8	X	-10.374	-10.374	0	%100
8	M8	Z	17.969	17.969	0	%100
9	M13	X	-1.394	-1.394	0	%100
10	M13	Z	2.415	2.415	0	%100
11	M14	X	-10.374	-10.374	0	%100
12	M14	Z	17.969	17.969	0	%100
13	M23	X	-3.492	-3.492	0	%100
14	M23	Z	6.049	6.049	0	%100
15	LV	X	-3.492	-3.492	0	%100
16	LV	Z	6.049	6.049	0	%100
17	MP3A	X	-4.656	-4.656	0	%100
18	MP3A	Z	8.065	8.065	0	%100
19	MP1A	X	-4.656	-4.656	0	%100
20	MP1A	Z	8.065	8.065	0	%100
21	MP2A	X	-5.636	-5.636	0	%100
22	MP2A	Z	9.763	9.763	0	%100
23	M38	X	-3.492	-3.492	0	%100
24	M38	Z	6.049	6.049	0	%100
25	M39	X	-3.492	-3.492	0	%100
26	M39	Z	6.049	6.049	0	%100
27	MP3C	X	-4.656	-4.656	0	%100
28	MP3C	Z	8.065	8.065	0	%100
29	MP1C	X	-4.656	-4.656	0	%100
30	MP1C	Z	8.065	8.065	0	%100
31	MP2C	X	-5.636	-5.636	0	%100
32	MP2C	Z	9.763	9.763	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	MP3B	X	-4.656	-4.656	0	%100
38	MP3B	Z	8.065	8.065	0	%100
39	MP1B	X	-4.656	-4.656	0	%100
40	MP1B	Z	8.065	8.065	0	%100
41	MP2B	X	-5.636	-5.636	0	%100
42	MP2B	Z	9.763	9.763	0	%100
43	M65	X	-4.656	-4.656	0	%100
44	M65	Z	8.065	8.065	0	%100
45	M65A	X	-4.656	-4.656	0	%100
46	M65A	Z	8.065	8.065	0	%100
47	OVP	X	-4.656	-4.656	0	%100
48	OVP	Z	8.065	8.065	0	%100
49	M69	X	-4.656	-4.656	0	%100
50	M69	Z	8.065	8.065	0	%100
51	M65C	X	-4.656	-4.656	0	%100
52	M65C	Z	8.065	8.065	0	%100
53	M69A	X	-4.656	-4.656	0	%100
54	M69A	Z	8.065	8.065	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-7.245	-7.245	0	%100
2	M1	Z	4.183	4.183	0	%100
3	M2	X	-5.99	-5.99	0	%100
4	M2	Z	3.458	3.458	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-23.959	-23.959	0	%100
8	M8	Z	13.832	13.832	0	%100
9	M13	X	-7.245	-7.245	0	%100
10	M13	Z	4.183	4.183	0	%100
11	M14	X	-5.99	-5.99	0	%100
12	M14	Z	3.458	3.458	0	%100
13	M23	X	-2.016	-2.016	0	%100
14	M23	Z	1.164	1.164	0	%100
15	LV	X	-2.016	-2.016	0	%100
16	LV	Z	1.164	1.164	0	%100
17	MP3A	X	-8.065	-8.065	0	%100
18	MP3A	Z	4.656	4.656	0	%100
19	MP1A	X	-8.065	-8.065	0	%100
20	MP1A	Z	4.656	4.656	0	%100
21	MP2A	X	-9.763	-9.763	0	%100
22	MP2A	Z	5.636	5.636	0	%100
23	M38	X	-8.065	-8.065	0	%100
24	M38	Z	4.656	4.656	0	%100
25	M39	X	-8.065	-8.065	0	%100
26	M39	Z	4.656	4.656	0	%100
27	MP3C	X	-8.065	-8.065	0	%100
28	MP3C	Z	4.656	4.656	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	MP1C	X	-8.065	-8.065	0	%100
30	MP1C	Z	4.656	4.656	0	%100
31	MP2C	X	-9.763	-9.763	0	%100
32	MP2C	Z	5.636	5.636	0	%100
33	M53	X	-2.016	-2.016	0	%100
34	M53	Z	1.164	1.164	0	%100
35	M54	X	-2.016	-2.016	0	%100
36	M54	Z	1.164	1.164	0	%100
37	MP3B	X	-8.065	-8.065	0	%100
38	MP3B	Z	4.656	4.656	0	%100
39	MP1B	X	-8.065	-8.065	0	%100
40	MP1B	Z	4.656	4.656	0	%100
41	MP2B	X	-9.763	-9.763	0	%100
42	MP2B	Z	5.636	5.636	0	%100
43	M65	X	-8.065	-8.065	0	%100
44	M65	Z	4.656	4.656	0	%100
45	M65A	X	-8.065	-8.065	0	%100
46	M65A	Z	4.656	4.656	0	%100
47	OVP	X	-8.065	-8.065	0	%100
48	OVP	Z	4.656	4.656	0	%100
49	M69	X	-8.065	-8.065	0	%100
50	M69	Z	4.656	4.656	0	%100
51	M65C	X	-8.065	-8.065	0	%100
52	M65C	Z	4.656	4.656	0	%100
53	M69A	X	-8.065	-8.065	0	%100
54	M69A	Z	4.656	4.656	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.789	-2.789	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-20.749	-20.749	0	%100
4	M2	Z	0	0	0	%100
5	M7	X	-2.789	-2.789	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-20.749	-20.749	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	-11.155	-11.155	0	%100
10	M13	Z	0	0	0	%100
11	M14	X	0	0	0	%100
12	M14	Z	0	0	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	0	0	0	%100
15	LV	X	0	0	0	%100
16	LV	Z	0	0	0	%100
17	MP3A	X	-9.312	-9.312	0	%100
18	MP3A	Z	0	0	0	%100
19	MP1A	X	-9.312	-9.312	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	-11.273	-11.273	0	%100
22	MP2A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M38	X	-6.984	-6.984	0	%100
24	M38	Z	0	0	0	%100
25	M39	X	-6.984	-6.984	0	%100
26	M39	Z	0	0	0	%100
27	MP3C	X	-9.312	-9.312	0	%100
28	MP3C	Z	0	0	0	%100
29	MP1C	X	-9.312	-9.312	0	%100
30	MP1C	Z	0	0	0	%100
31	MP2C	X	-11.273	-11.273	0	%100
32	MP2C	Z	0	0	0	%100
33	M53	X	-6.984	-6.984	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	-6.984	-6.984	0	%100
36	M54	Z	0	0	0	%100
37	MP3B	X	-9.312	-9.312	0	%100
38	MP3B	Z	0	0	0	%100
39	MP1B	X	-9.312	-9.312	0	%100
40	MP1B	Z	0	0	0	%100
41	MP2B	X	-11.273	-11.273	0	%100
42	MP2B	Z	0	0	0	%100
43	M65	X	-9.312	-9.312	0	%100
44	M65	Z	0	0	0	%100
45	M65A	X	-9.312	-9.312	0	%100
46	M65A	Z	0	0	0	%100
47	OVP	X	-9.312	-9.312	0	%100
48	OVP	Z	0	0	0	%100
49	M69	X	-9.312	-9.312	0	%100
50	M69	Z	0	0	0	%100
51	M65C	X	-9.312	-9.312	0	%100
52	M65C	Z	0	0	0	%100
53	M69A	X	-9.312	-9.312	0	%100
54	M69A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-23.959	-23.959	0	%100
4	M2	Z	-13.832	-13.832	0	%100
5	M7	X	-7.245	-7.245	0	%100
6	M7	Z	-4.183	-4.183	0	%100
7	M8	X	-5.99	-5.99	0	%100
8	M8	Z	-3.458	-3.458	0	%100
9	M13	X	-7.245	-7.245	0	%100
10	M13	Z	-4.183	-4.183	0	%100
11	M14	X	-5.99	-5.99	0	%100
12	M14	Z	-3.458	-3.458	0	%100
13	M23	X	-2.016	-2.016	0	%100
14	M23	Z	-1.164	-1.164	0	%100
15	LV	X	-2.016	-2.016	0	%100
16	LV	Z	-1.164	-1.164	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	MP3A	X	-8.065	-8.065	0	%100
18	MP3A	Z	-4.656	-4.656	0	%100
19	MP1A	X	-8.065	-8.065	0	%100
20	MP1A	Z	-4.656	-4.656	0	%100
21	MP2A	X	-9.763	-9.763	0	%100
22	MP2A	Z	-5.636	-5.636	0	%100
23	M38	X	-2.016	-2.016	0	%100
24	M38	Z	-1.164	-1.164	0	%100
25	M39	X	-2.016	-2.016	0	%100
26	M39	Z	-1.164	-1.164	0	%100
27	MP3C	X	-8.065	-8.065	0	%100
28	MP3C	Z	-4.656	-4.656	0	%100
29	MP1C	X	-8.065	-8.065	0	%100
30	MP1C	Z	-4.656	-4.656	0	%100
31	MP2C	X	-9.763	-9.763	0	%100
32	MP2C	Z	-5.636	-5.636	0	%100
33	M53	X	-8.065	-8.065	0	%100
34	M53	Z	-4.656	-4.656	0	%100
35	M54	X	-8.065	-8.065	0	%100
36	M54	Z	-4.656	-4.656	0	%100
37	MP3B	X	-8.065	-8.065	0	%100
38	MP3B	Z	-4.656	-4.656	0	%100
39	MP1B	X	-8.065	-8.065	0	%100
40	MP1B	Z	-4.656	-4.656	0	%100
41	MP2B	X	-9.763	-9.763	0	%100
42	MP2B	Z	-5.636	-5.636	0	%100
43	M65	X	-8.065	-8.065	0	%100
44	M65	Z	-4.656	-4.656	0	%100
45	M65A	X	-8.065	-8.065	0	%100
46	M65A	Z	-4.656	-4.656	0	%100
47	OVP	X	-8.065	-8.065	0	%100
48	OVP	Z	-4.656	-4.656	0	%100
49	M69	X	-8.065	-8.065	0	%100
50	M69	Z	-4.656	-4.656	0	%100
51	M65C	X	-8.065	-8.065	0	%100
52	M65C	Z	-4.656	-4.656	0	%100
53	M69A	X	-8.065	-8.065	0	%100
54	M69A	Z	-4.656	-4.656	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.394	-1.394	0	%100
2	M1	Z	-2.415	-2.415	0	%100
3	M2	X	-10.374	-10.374	0	%100
4	M2	Z	-17.969	-17.969	0	%100
5	M7	X	-5.577	-5.577	0	%100
6	M7	Z	-9.66	-9.66	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	-1.394	-1.394	0	%100
10	M13	Z	-2.415	-2.415	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M14	X	-10.374	-10.374	0	%100
12	M14	Z	-17.969	-17.969	0	%100
13	M23	X	-3.492	-3.492	0	%100
14	M23	Z	-6.049	-6.049	0	%100
15	LV	X	-3.492	-3.492	0	%100
16	LV	Z	-6.049	-6.049	0	%100
17	MP3A	X	-4.656	-4.656	0	%100
18	MP3A	Z	-8.065	-8.065	0	%100
19	MP1A	X	-4.656	-4.656	0	%100
20	MP1A	Z	-8.065	-8.065	0	%100
21	MP2A	X	-5.636	-5.636	0	%100
22	MP2A	Z	-9.763	-9.763	0	%100
23	M38	X	0	0	0	%100
24	M38	Z	0	0	0	%100
25	M39	X	0	0	0	%100
26	M39	Z	0	0	0	%100
27	MP3C	X	-4.656	-4.656	0	%100
28	MP3C	Z	-8.065	-8.065	0	%100
29	MP1C	X	-4.656	-4.656	0	%100
30	MP1C	Z	-8.065	-8.065	0	%100
31	MP2C	X	-5.636	-5.636	0	%100
32	MP2C	Z	-9.763	-9.763	0	%100
33	M53	X	-3.492	-3.492	0	%100
34	M53	Z	-6.049	-6.049	0	%100
35	M54	X	-3.492	-3.492	0	%100
36	M54	Z	-6.049	-6.049	0	%100
37	MP3B	X	-4.656	-4.656	0	%100
38	MP3B	Z	-8.065	-8.065	0	%100
39	MP1B	X	-4.656	-4.656	0	%100
40	MP1B	Z	-8.065	-8.065	0	%100
41	MP2B	X	-5.636	-5.636	0	%100
42	MP2B	Z	-9.763	-9.763	0	%100
43	M65	X	-4.656	-4.656	0	%100
44	M65	Z	-8.065	-8.065	0	%100
45	M65A	X	-4.656	-4.656	0	%100
46	M65A	Z	-8.065	-8.065	0	%100
47	OVP	X	-4.656	-4.656	0	%100
48	OVP	Z	-8.065	-8.065	0	%100
49	M69	X	-4.656	-4.656	0	%100
50	M69	Z	-8.065	-8.065	0	%100
51	M65C	X	-4.656	-4.656	0	%100
52	M65C	Z	-8.065	-8.065	0	%100
53	M69A	X	-4.656	-4.656	0	%100
54	M69A	Z	-8.065	-8.065	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-2.257	-2.257	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-1.519	-1.519	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M7	X	0	0	0	%100
6	M7	Z	-2.257	-2.257	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-1.519	-1.519	0	%100
9	M13	X	0	0	0	%100
10	M13	Z	0	0	0	%100
11	M14	X	0	0	0	%100
12	M14	Z	-6.075	-6.075	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	-3.274	-3.274	0	%100
15	LV	X	0	0	0	%100
16	LV	Z	-3.274	-3.274	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	-3.274	-3.274	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-3.274	-3.274	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-3.626	-3.626	0	%100
23	M38	X	0	0	0	%100
24	M38	Z	-.819	-.819	0	%100
25	M39	X	0	0	0	%100
26	M39	Z	-.819	-.819	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	-3.274	-3.274	0	%100
29	MP1C	X	0	0	0	%100
30	MP1C	Z	-3.274	-3.274	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-3.626	-3.626	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	-.819	-.819	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	-.819	-.819	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	-3.274	-3.274	0	%100
39	MP1B	X	0	0	0	%100
40	MP1B	Z	-3.274	-3.274	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	-3.626	-3.626	0	%100
43	M65	X	0	0	0	%100
44	M65	Z	-3.274	-3.274	0	%100
45	M65A	X	0	0	0	%100
46	M65A	Z	-3.274	-3.274	0	%100
47	OVP	X	0	0	0	%100
48	OVP	Z	-3.274	-3.274	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	-3.274	-3.274	0	%100
51	M65C	X	0	0	0	%100
52	M65C	Z	-3.274	-3.274	0	%100
53	M69A	X	0	0	0	%100
54	M69A	Z	-3.274	-3.274	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.505	1.505	0	%100
2	M1	Z	-2.607	-2.607	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M7	X	.376	.376	0	%100
6	M7	Z	-.652	-.652	0	%100
7	M8	X	2.278	2.278	0	%100
8	M8	Z	-3.946	-3.946	0	%100
9	M13	X	.376	.376	0	%100
10	M13	Z	-.652	-.652	0	%100
11	M14	X	2.278	2.278	0	%100
12	M14	Z	-3.946	-3.946	0	%100
13	M23	X	1.228	1.228	0	%100
14	M23	Z	-2.127	-2.127	0	%100
15	LV	X	1.228	1.228	0	%100
16	LV	Z	-2.127	-2.127	0	%100
17	MP3A	X	1.637	1.637	0	%100
18	MP3A	Z	-2.835	-2.835	0	%100
19	MP1A	X	1.637	1.637	0	%100
20	MP1A	Z	-2.835	-2.835	0	%100
21	MP2A	X	1.813	1.813	0	%100
22	MP2A	Z	-3.14	-3.14	0	%100
23	M38	X	1.228	1.228	0	%100
24	M38	Z	-2.127	-2.127	0	%100
25	M39	X	1.228	1.228	0	%100
26	M39	Z	-2.127	-2.127	0	%100
27	MP3C	X	1.637	1.637	0	%100
28	MP3C	Z	-2.835	-2.835	0	%100
29	MP1C	X	1.637	1.637	0	%100
30	MP1C	Z	-2.835	-2.835	0	%100
31	MP2C	X	1.813	1.813	0	%100
32	MP2C	Z	-3.14	-3.14	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	MP3B	X	1.637	1.637	0	%100
38	MP3B	Z	-2.835	-2.835	0	%100
39	MP1B	X	1.637	1.637	0	%100
40	MP1B	Z	-2.835	-2.835	0	%100
41	MP2B	X	1.813	1.813	0	%100
42	MP2B	Z	-3.14	-3.14	0	%100
43	M65	X	1.637	1.637	0	%100
44	M65	Z	-2.835	-2.835	0	%100
45	M65A	X	1.637	1.637	0	%100
46	M65A	Z	-2.835	-2.835	0	%100
47	OVP	X	1.637	1.637	0	%100
48	OVP	Z	-2.835	-2.835	0	%100
49	M69	X	1.637	1.637	0	%100
50	M69	Z	-2.835	-2.835	0	%100
51	M65C	X	1.637	1.637	0	%100
52	M65C	Z	-2.835	-2.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M69A	X	1.637	1.637	0	%100
54	M69A	Z	-2.835	-2.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.955	1.955	0	%100
2	M1	Z	-1.129	-1.129	0	%100
3	M2	X	1.315	1.315	0	%100
4	M2	Z	-.759	-.759	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	5.261	5.261	0	%100
8	M8	Z	-3.038	-3.038	0	%100
9	M13	X	1.955	1.955	0	%100
10	M13	Z	-1.129	-1.129	0	%100
11	M14	X	1.315	1.315	0	%100
12	M14	Z	-.759	-.759	0	%100
13	M23	X	.709	.709	0	%100
14	M23	Z	-.409	-.409	0	%100
15	LV	X	.709	.709	0	%100
16	LV	Z	-.409	-.409	0	%100
17	MP3A	X	2.835	2.835	0	%100
18	MP3A	Z	-1.637	-1.637	0	%100
19	MP1A	X	2.835	2.835	0	%100
20	MP1A	Z	-1.637	-1.637	0	%100
21	MP2A	X	3.14	3.14	0	%100
22	MP2A	Z	-1.813	-1.813	0	%100
23	M38	X	2.835	2.835	0	%100
24	M38	Z	-1.637	-1.637	0	%100
25	M39	X	2.835	2.835	0	%100
26	M39	Z	-1.637	-1.637	0	%100
27	MP3C	X	2.835	2.835	0	%100
28	MP3C	Z	-1.637	-1.637	0	%100
29	MP1C	X	2.835	2.835	0	%100
30	MP1C	Z	-1.637	-1.637	0	%100
31	MP2C	X	3.14	3.14	0	%100
32	MP2C	Z	-1.813	-1.813	0	%100
33	M53	X	.709	.709	0	%100
34	M53	Z	-.409	-.409	0	%100
35	M54	X	.709	.709	0	%100
36	M54	Z	-.409	-.409	0	%100
37	MP3B	X	2.835	2.835	0	%100
38	MP3B	Z	-1.637	-1.637	0	%100
39	MP1B	X	2.835	2.835	0	%100
40	MP1B	Z	-1.637	-1.637	0	%100
41	MP2B	X	3.14	3.14	0	%100
42	MP2B	Z	-1.813	-1.813	0	%100
43	M65	X	2.835	2.835	0	%100
44	M65	Z	-1.637	-1.637	0	%100
45	M65A	X	2.835	2.835	0	%100
46	M65A	Z	-1.637	-1.637	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	OVP	X	2.835	2.835	0	%100
48	OVP	Z	-1.637	-1.637	0	%100
49	M69	X	2.835	2.835	0	%100
50	M69	Z	-1.637	-1.637	0	%100
51	M65C	X	2.835	2.835	0	%100
52	M65C	Z	-1.637	-1.637	0	%100
53	M69A	X	2.835	2.835	0	%100
54	M69A	Z	-1.637	-1.637	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.752	.752	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	4.556	4.556	0	%100
4	M2	Z	0	0	0	%100
5	M7	X	.752	.752	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	4.556	4.556	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	3.01	3.01	0	%100
10	M13	Z	0	0	0	%100
11	M14	X	0	0	0	%100
12	M14	Z	0	0	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	0	0	0	%100
15	LV	X	0	0	0	%100
16	LV	Z	0	0	0	%100
17	MP3A	X	3.274	3.274	0	%100
18	MP3A	Z	0	0	0	%100
19	MP1A	X	3.274	3.274	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	3.626	3.626	0	%100
22	MP2A	Z	0	0	0	%100
23	M38	X	2.456	2.456	0	%100
24	M38	Z	0	0	0	%100
25	M39	X	2.456	2.456	0	%100
26	M39	Z	0	0	0	%100
27	MP3C	X	3.274	3.274	0	%100
28	MP3C	Z	0	0	0	%100
29	MP1C	X	3.274	3.274	0	%100
30	MP1C	Z	0	0	0	%100
31	MP2C	X	3.626	3.626	0	%100
32	MP2C	Z	0	0	0	%100
33	M53	X	2.456	2.456	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	2.456	2.456	0	%100
36	M54	Z	0	0	0	%100
37	MP3B	X	3.274	3.274	0	%100
38	MP3B	Z	0	0	0	%100
39	MP1B	X	3.274	3.274	0	%100
40	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	MP2B	X	3.626	3.626	0	%100
42	MP2B	Z	0	0	0	%100
43	M65	X	3.274	3.274	0	%100
44	M65	Z	0	0	0	%100
45	M65A	X	3.274	3.274	0	%100
46	M65A	Z	0	0	0	%100
47	OVP	X	3.274	3.274	0	%100
48	OVP	Z	0	0	0	%100
49	M69	X	3.274	3.274	0	%100
50	M69	Z	0	0	0	%100
51	M65C	X	3.274	3.274	0	%100
52	M65C	Z	0	0	0	%100
53	M69A	X	3.274	3.274	0	%100
54	M69A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	5.261	5.261	0	%100
4	M2	Z	3.038	3.038	0	%100
5	M7	X	1.955	1.955	0	%100
6	M7	Z	1.129	1.129	0	%100
7	M8	X	1.315	1.315	0	%100
8	M8	Z	.759	.759	0	%100
9	M13	X	1.955	1.955	0	%100
10	M13	Z	1.129	1.129	0	%100
11	M14	X	1.315	1.315	0	%100
12	M14	Z	.759	.759	0	%100
13	M23	X	.709	.709	0	%100
14	M23	Z	.409	.409	0	%100
15	LV	X	.709	.709	0	%100
16	LV	Z	.409	.409	0	%100
17	MP3A	X	2.835	2.835	0	%100
18	MP3A	Z	1.637	1.637	0	%100
19	MP1A	X	2.835	2.835	0	%100
20	MP1A	Z	1.637	1.637	0	%100
21	MP2A	X	3.14	3.14	0	%100
22	MP2A	Z	1.813	1.813	0	%100
23	M38	X	.709	.709	0	%100
24	M38	Z	.409	.409	0	%100
25	M39	X	.709	.709	0	%100
26	M39	Z	.409	.409	0	%100
27	MP3C	X	2.835	2.835	0	%100
28	MP3C	Z	1.637	1.637	0	%100
29	MP1C	X	2.835	2.835	0	%100
30	MP1C	Z	1.637	1.637	0	%100
31	MP2C	X	3.14	3.14	0	%100
32	MP2C	Z	1.813	1.813	0	%100
33	M53	X	2.835	2.835	0	%100
34	M53	Z	1.637	1.637	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M54	X	2.835	2.835	0	%100
36	M54	Z	1.637	1.637	0	%100
37	MP3B	X	2.835	2.835	0	%100
38	MP3B	Z	1.637	1.637	0	%100
39	MP1B	X	2.835	2.835	0	%100
40	MP1B	Z	1.637	1.637	0	%100
41	MP2B	X	3.14	3.14	0	%100
42	MP2B	Z	1.813	1.813	0	%100
43	M65	X	2.835	2.835	0	%100
44	M65	Z	1.637	1.637	0	%100
45	M65A	X	2.835	2.835	0	%100
46	M65A	Z	1.637	1.637	0	%100
47	OVP	X	2.835	2.835	0	%100
48	OVP	Z	1.637	1.637	0	%100
49	M69	X	2.835	2.835	0	%100
50	M69	Z	1.637	1.637	0	%100
51	M65C	X	2.835	2.835	0	%100
52	M65C	Z	1.637	1.637	0	%100
53	M69A	X	2.835	2.835	0	%100
54	M69A	Z	1.637	1.637	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.376	.376	0	%100
2	M1	Z	.652	.652	0	%100
3	M2	X	2.278	2.278	0	%100
4	M2	Z	3.946	3.946	0	%100
5	M7	X	1.505	1.505	0	%100
6	M7	Z	2.607	2.607	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	.376	.376	0	%100
10	M13	Z	.652	.652	0	%100
11	M14	X	2.278	2.278	0	%100
12	M14	Z	3.946	3.946	0	%100
13	M23	X	1.228	1.228	0	%100
14	M23	Z	2.127	2.127	0	%100
15	LV	X	1.228	1.228	0	%100
16	LV	Z	2.127	2.127	0	%100
17	MP3A	X	1.637	1.637	0	%100
18	MP3A	Z	2.835	2.835	0	%100
19	MP1A	X	1.637	1.637	0	%100
20	MP1A	Z	2.835	2.835	0	%100
21	MP2A	X	1.813	1.813	0	%100
22	MP2A	Z	3.14	3.14	0	%100
23	M38	X	0	0	0	%100
24	M38	Z	0	0	0	%100
25	M39	X	0	0	0	%100
26	M39	Z	0	0	0	%100
27	MP3C	X	1.637	1.637	0	%100
28	MP3C	Z	2.835	2.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	MP1C	X	1.637	1.637	0	%100
30	MP1C	Z	2.835	2.835	0	%100
31	MP2C	X	1.813	1.813	0	%100
32	MP2C	Z	3.14	3.14	0	%100
33	M53	X	1.228	1.228	0	%100
34	M53	Z	2.127	2.127	0	%100
35	M54	X	1.228	1.228	0	%100
36	M54	Z	2.127	2.127	0	%100
37	MP3B	X	1.637	1.637	0	%100
38	MP3B	Z	2.835	2.835	0	%100
39	MP1B	X	1.637	1.637	0	%100
40	MP1B	Z	2.835	2.835	0	%100
41	MP2B	X	1.813	1.813	0	%100
42	MP2B	Z	3.14	3.14	0	%100
43	M65	X	1.637	1.637	0	%100
44	M65	Z	2.835	2.835	0	%100
45	M65A	X	1.637	1.637	0	%100
46	M65A	Z	2.835	2.835	0	%100
47	OVP	X	1.637	1.637	0	%100
48	OVP	Z	2.835	2.835	0	%100
49	M69	X	1.637	1.637	0	%100
50	M69	Z	2.835	2.835	0	%100
51	M65C	X	1.637	1.637	0	%100
52	M65C	Z	2.835	2.835	0	%100
53	M69A	X	1.637	1.637	0	%100
54	M69A	Z	2.835	2.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	2.257	2.257	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	1.519	1.519	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	2.257	2.257	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	1.519	1.519	0	%100
9	M13	X	0	0	0	%100
10	M13	Z	0	0	0	%100
11	M14	X	0	0	0	%100
12	M14	Z	6.075	6.075	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	3.274	3.274	0	%100
15	LV	X	0	0	0	%100
16	LV	Z	3.274	3.274	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	3.274	3.274	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	3.274	3.274	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	3.626	3.626	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M38	X	0	0	0	%100
24	M38	Z	.819	.819	0	%100
25	M39	X	0	0	0	%100
26	M39	Z	.819	.819	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	3.274	3.274	0	%100
29	MP1C	X	0	0	0	%100
30	MP1C	Z	3.274	3.274	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	3.626	3.626	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	.819	.819	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	.819	.819	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	3.274	3.274	0	%100
39	MP1B	X	0	0	0	%100
40	MP1B	Z	3.274	3.274	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	3.626	3.626	0	%100
43	M65	X	0	0	0	%100
44	M65	Z	3.274	3.274	0	%100
45	M65A	X	0	0	0	%100
46	M65A	Z	3.274	3.274	0	%100
47	OVP	X	0	0	0	%100
48	OVP	Z	3.274	3.274	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	3.274	3.274	0	%100
51	M65C	X	0	0	0	%100
52	M65C	Z	3.274	3.274	0	%100
53	M69A	X	0	0	0	%100
54	M69A	Z	3.274	3.274	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.505	-1.505	0	%100
2	M1	Z	2.607	2.607	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M7	X	-.376	-.376	0	%100
6	M7	Z	.652	.652	0	%100
7	M8	X	-2.278	-2.278	0	%100
8	M8	Z	3.946	3.946	0	%100
9	M13	X	-.376	-.376	0	%100
10	M13	Z	.652	.652	0	%100
11	M14	X	-2.278	-2.278	0	%100
12	M14	Z	3.946	3.946	0	%100
13	M23	X	-1.228	-1.228	0	%100
14	M23	Z	2.127	2.127	0	%100
15	LV	X	-1.228	-1.228	0	%100
16	LV	Z	2.127	2.127	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	MP3A	X	-1.637	-1.637	0	%100
18	MP3A	Z	2.835	2.835	0	%100
19	MP1A	X	-1.637	-1.637	0	%100
20	MP1A	Z	2.835	2.835	0	%100
21	MP2A	X	-1.813	-1.813	0	%100
22	MP2A	Z	3.14	3.14	0	%100
23	M38	X	-1.228	-1.228	0	%100
24	M38	Z	2.127	2.127	0	%100
25	M39	X	-1.228	-1.228	0	%100
26	M39	Z	2.127	2.127	0	%100
27	MP3C	X	-1.637	-1.637	0	%100
28	MP3C	Z	2.835	2.835	0	%100
29	MP1C	X	-1.637	-1.637	0	%100
30	MP1C	Z	2.835	2.835	0	%100
31	MP2C	X	-1.813	-1.813	0	%100
32	MP2C	Z	3.14	3.14	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	MP3B	X	-1.637	-1.637	0	%100
38	MP3B	Z	2.835	2.835	0	%100
39	MP1B	X	-1.637	-1.637	0	%100
40	MP1B	Z	2.835	2.835	0	%100
41	MP2B	X	-1.813	-1.813	0	%100
42	MP2B	Z	3.14	3.14	0	%100
43	M65	X	-1.637	-1.637	0	%100
44	M65	Z	2.835	2.835	0	%100
45	M65A	X	-1.637	-1.637	0	%100
46	M65A	Z	2.835	2.835	0	%100
47	OVP	X	-1.637	-1.637	0	%100
48	OVP	Z	2.835	2.835	0	%100
49	M69	X	-1.637	-1.637	0	%100
50	M69	Z	2.835	2.835	0	%100
51	M65C	X	-1.637	-1.637	0	%100
52	M65C	Z	2.835	2.835	0	%100
53	M69A	X	-1.637	-1.637	0	%100
54	M69A	Z	2.835	2.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.955	-1.955	0	%100
2	M1	Z	1.129	1.129	0	%100
3	M2	X	-1.315	-1.315	0	%100
4	M2	Z	.759	.759	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-5.261	-5.261	0	%100
8	M8	Z	3.038	3.038	0	%100
9	M13	X	-1.955	-1.955	0	%100
10	M13	Z	1.129	1.129	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M14	X	-1.315	-1.315	0	%100
12	M14	Z	.759	.759	0	%100
13	M23	X	-.709	-.709	0	%100
14	M23	Z	.409	.409	0	%100
15	LV	X	-.709	-.709	0	%100
16	LV	Z	.409	.409	0	%100
17	MP3A	X	-2.835	-2.835	0	%100
18	MP3A	Z	1.637	1.637	0	%100
19	MP1A	X	-2.835	-2.835	0	%100
20	MP1A	Z	1.637	1.637	0	%100
21	MP2A	X	-3.14	-3.14	0	%100
22	MP2A	Z	1.813	1.813	0	%100
23	M38	X	-2.835	-2.835	0	%100
24	M38	Z	1.637	1.637	0	%100
25	M39	X	-2.835	-2.835	0	%100
26	M39	Z	1.637	1.637	0	%100
27	MP3C	X	-2.835	-2.835	0	%100
28	MP3C	Z	1.637	1.637	0	%100
29	MP1C	X	-2.835	-2.835	0	%100
30	MP1C	Z	1.637	1.637	0	%100
31	MP2C	X	-3.14	-3.14	0	%100
32	MP2C	Z	1.813	1.813	0	%100
33	M53	X	-.709	-.709	0	%100
34	M53	Z	.409	.409	0	%100
35	M54	X	-.709	-.709	0	%100
36	M54	Z	.409	.409	0	%100
37	MP3B	X	-2.835	-2.835	0	%100
38	MP3B	Z	1.637	1.637	0	%100
39	MP1B	X	-2.835	-2.835	0	%100
40	MP1B	Z	1.637	1.637	0	%100
41	MP2B	X	-3.14	-3.14	0	%100
42	MP2B	Z	1.813	1.813	0	%100
43	M65	X	-2.835	-2.835	0	%100
44	M65	Z	1.637	1.637	0	%100
45	M65A	X	-2.835	-2.835	0	%100
46	M65A	Z	1.637	1.637	0	%100
47	OVP	X	-2.835	-2.835	0	%100
48	OVP	Z	1.637	1.637	0	%100
49	M69	X	-2.835	-2.835	0	%100
50	M69	Z	1.637	1.637	0	%100
51	M65C	X	-2.835	-2.835	0	%100
52	M65C	Z	1.637	1.637	0	%100
53	M69A	X	-2.835	-2.835	0	%100
54	M69A	Z	1.637	1.637	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.752	-.752	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-4.556	-4.556	0	%100
4	M2	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M7	X	-.752	-.752	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-4.556	-4.556	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	-3.01	-3.01	0	%100
10	M13	Z	0	0	0	%100
11	M14	X	0	0	0	%100
12	M14	Z	0	0	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	0	0	0	%100
15	LV	X	0	0	0	%100
16	LV	Z	0	0	0	%100
17	MP3A	X	-3.274	-3.274	0	%100
18	MP3A	Z	0	0	0	%100
19	MP1A	X	-3.274	-3.274	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	-3.626	-3.626	0	%100
22	MP2A	Z	0	0	0	%100
23	M38	X	-2.456	-2.456	0	%100
24	M38	Z	0	0	0	%100
25	M39	X	-2.456	-2.456	0	%100
26	M39	Z	0	0	0	%100
27	MP3C	X	-3.274	-3.274	0	%100
28	MP3C	Z	0	0	0	%100
29	MP1C	X	-3.274	-3.274	0	%100
30	MP1C	Z	0	0	0	%100
31	MP2C	X	-3.626	-3.626	0	%100
32	MP2C	Z	0	0	0	%100
33	M53	X	-2.456	-2.456	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	-2.456	-2.456	0	%100
36	M54	Z	0	0	0	%100
37	MP3B	X	-3.274	-3.274	0	%100
38	MP3B	Z	0	0	0	%100
39	MP1B	X	-3.274	-3.274	0	%100
40	MP1B	Z	0	0	0	%100
41	MP2B	X	-3.626	-3.626	0	%100
42	MP2B	Z	0	0	0	%100
43	M65	X	-3.274	-3.274	0	%100
44	M65	Z	0	0	0	%100
45	M65A	X	-3.274	-3.274	0	%100
46	M65A	Z	0	0	0	%100
47	OVP	X	-3.274	-3.274	0	%100
48	OVP	Z	0	0	0	%100
49	M69	X	-3.274	-3.274	0	%100
50	M69	Z	0	0	0	%100
51	M65C	X	-3.274	-3.274	0	%100
52	M65C	Z	0	0	0	%100
53	M69A	X	-3.274	-3.274	0	%100
54	M69A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-5.261	-5.261	0	%100
4	M2	Z	-3.038	-3.038	0	%100
5	M7	X	-1.955	-1.955	0	%100
6	M7	Z	-1.129	-1.129	0	%100
7	M8	X	-1.315	-1.315	0	%100
8	M8	Z	-.759	-.759	0	%100
9	M13	X	-1.955	-1.955	0	%100
10	M13	Z	-1.129	-1.129	0	%100
11	M14	X	-1.315	-1.315	0	%100
12	M14	Z	-.759	-.759	0	%100
13	M23	X	-.709	-.709	0	%100
14	M23	Z	-.409	-.409	0	%100
15	LV	X	-.709	-.709	0	%100
16	LV	Z	-.409	-.409	0	%100
17	MP3A	X	-2.835	-2.835	0	%100
18	MP3A	Z	-1.637	-1.637	0	%100
19	MP1A	X	-2.835	-2.835	0	%100
20	MP1A	Z	-1.637	-1.637	0	%100
21	MP2A	X	-3.14	-3.14	0	%100
22	MP2A	Z	-1.813	-1.813	0	%100
23	M38	X	-.709	-.709	0	%100
24	M38	Z	-.409	-.409	0	%100
25	M39	X	-.709	-.709	0	%100
26	M39	Z	-.409	-.409	0	%100
27	MP3C	X	-2.835	-2.835	0	%100
28	MP3C	Z	-1.637	-1.637	0	%100
29	MP1C	X	-2.835	-2.835	0	%100
30	MP1C	Z	-1.637	-1.637	0	%100
31	MP2C	X	-3.14	-3.14	0	%100
32	MP2C	Z	-1.813	-1.813	0	%100
33	M53	X	-2.835	-2.835	0	%100
34	M53	Z	-1.637	-1.637	0	%100
35	M54	X	-2.835	-2.835	0	%100
36	M54	Z	-1.637	-1.637	0	%100
37	MP3B	X	-2.835	-2.835	0	%100
38	MP3B	Z	-1.637	-1.637	0	%100
39	MP1B	X	-2.835	-2.835	0	%100
40	MP1B	Z	-1.637	-1.637	0	%100
41	MP2B	X	-3.14	-3.14	0	%100
42	MP2B	Z	-1.813	-1.813	0	%100
43	M65	X	-2.835	-2.835	0	%100
44	M65	Z	-1.637	-1.637	0	%100
45	M65A	X	-2.835	-2.835	0	%100
46	M65A	Z	-1.637	-1.637	0	%100
47	OVP	X	-2.835	-2.835	0	%100
48	OVP	Z	-1.637	-1.637	0	%100
49	M69	X	-2.835	-2.835	0	%100
50	M69	Z	-1.637	-1.637	0	%100
51	M65C	X	-2.835	-2.835	0	%100
52	M65C	Z	-1.637	-1.637	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M69A	X	-2.835	-2.835	0	%100
54	M69A	Z	-1.637	-1.637	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.376	-.376	0	%100
2	M1	Z	-.652	-.652	0	%100
3	M2	X	-2.278	-2.278	0	%100
4	M2	Z	-3.946	-3.946	0	%100
5	M7	X	-1.505	-1.505	0	%100
6	M7	Z	-2.607	-2.607	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	-.376	-.376	0	%100
10	M13	Z	-.652	-.652	0	%100
11	M14	X	-2.278	-2.278	0	%100
12	M14	Z	-3.946	-3.946	0	%100
13	M23	X	-1.228	-1.228	0	%100
14	M23	Z	-2.127	-2.127	0	%100
15	LV	X	-1.228	-1.228	0	%100
16	LV	Z	-2.127	-2.127	0	%100
17	MP3A	X	-1.637	-1.637	0	%100
18	MP3A	Z	-2.835	-2.835	0	%100
19	MP1A	X	-1.637	-1.637	0	%100
20	MP1A	Z	-2.835	-2.835	0	%100
21	MP2A	X	-1.813	-1.813	0	%100
22	MP2A	Z	-3.14	-3.14	0	%100
23	M38	X	0	0	0	%100
24	M38	Z	0	0	0	%100
25	M39	X	0	0	0	%100
26	M39	Z	0	0	0	%100
27	MP3C	X	-1.637	-1.637	0	%100
28	MP3C	Z	-2.835	-2.835	0	%100
29	MP1C	X	-1.637	-1.637	0	%100
30	MP1C	Z	-2.835	-2.835	0	%100
31	MP2C	X	-1.813	-1.813	0	%100
32	MP2C	Z	-3.14	-3.14	0	%100
33	M53	X	-1.228	-1.228	0	%100
34	M53	Z	-2.127	-2.127	0	%100
35	M54	X	-1.228	-1.228	0	%100
36	M54	Z	-2.127	-2.127	0	%100
37	MP3B	X	-1.637	-1.637	0	%100
38	MP3B	Z	-2.835	-2.835	0	%100
39	MP1B	X	-1.637	-1.637	0	%100
40	MP1B	Z	-2.835	-2.835	0	%100
41	MP2B	X	-1.813	-1.813	0	%100
42	MP2B	Z	-3.14	-3.14	0	%100
43	M65	X	-1.637	-1.637	0	%100
44	M65	Z	-2.835	-2.835	0	%100
45	M65A	X	-1.637	-1.637	0	%100
46	M65A	Z	-2.835	-2.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	OVP	X	-1.637	-1.637	0	%100
48	OVP	Z	-2.835	-2.835	0	%100
49	M69	X	-1.637	-1.637	0	%100
50	M69	Z	-2.835	-2.835	0	%100
51	M65C	X	-1.637	-1.637	0	%100
52	M65C	Z	-2.835	-2.835	0	%100
53	M69A	X	-1.637	-1.637	0	%100
54	M69A	Z	-2.835	-2.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.541	-.541	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.447	-.447	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-.541	-.541	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-.447	-.447	0	%100
9	M13	X	0	0	0	%100
10	M13	Z	0	0	0	%100
11	M14	X	0	0	0	%100
12	M14	Z	-1.788	-1.788	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	-.602	-.602	0	%100
15	LV	X	0	0	0	%100
16	LV	Z	-.602	-.602	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	-.602	-.602	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-.602	-.602	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-.729	-.729	0	%100
23	M38	X	0	0	0	%100
24	M38	Z	-.15	-.15	0	%100
25	M39	X	0	0	0	%100
26	M39	Z	-.15	-.15	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	-.602	-.602	0	%100
29	MP1C	X	0	0	0	%100
30	MP1C	Z	-.602	-.602	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-.729	-.729	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	-.15	-.15	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	-.15	-.15	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	-.602	-.602	0	%100
39	MP1B	X	0	0	0	%100
40	MP1B	Z	-.602	-.602	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	MP2B	X	0	0	0	%100
42	MP2B	Z	-.729	-.729	0	%100
43	M65	X	0	0	0	%100
44	M65	Z	-.602	-.602	0	%100
45	M65A	X	0	0	0	%100
46	M65A	Z	-.602	-.602	0	%100
47	OVP	X	0	0	0	%100
48	OVP	Z	-.602	-.602	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	-.602	-.602	0	%100
51	M65C	X	0	0	0	%100
52	M65C	Z	-.602	-.602	0	%100
53	M69A	X	0	0	0	%100
54	M69A	Z	-.602	-.602	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.361	.361	0	%100
2	M1	Z	-.624	-.624	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M7	X	.09	.09	0	%100
6	M7	Z	-.156	-.156	0	%100
7	M8	X	.671	.671	0	%100
8	M8	Z	-1.161	-1.161	0	%100
9	M13	X	.09	.09	0	%100
10	M13	Z	-.156	-.156	0	%100
11	M14	X	.671	.671	0	%100
12	M14	Z	-1.161	-1.161	0	%100
13	M23	X	.226	.226	0	%100
14	M23	Z	-.391	-.391	0	%100
15	LV	X	.226	.226	0	%100
16	LV	Z	-.391	-.391	0	%100
17	MP3A	X	.301	.301	0	%100
18	MP3A	Z	-.521	-.521	0	%100
19	MP1A	X	.301	.301	0	%100
20	MP1A	Z	-.521	-.521	0	%100
21	MP2A	X	.364	.364	0	%100
22	MP2A	Z	-.631	-.631	0	%100
23	M38	X	.226	.226	0	%100
24	M38	Z	-.391	-.391	0	%100
25	M39	X	.226	.226	0	%100
26	M39	Z	-.391	-.391	0	%100
27	MP3C	X	.301	.301	0	%100
28	MP3C	Z	-.521	-.521	0	%100
29	MP1C	X	.301	.301	0	%100
30	MP1C	Z	-.521	-.521	0	%100
31	MP2C	X	.364	.364	0	%100
32	MP2C	Z	-.631	-.631	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	MP3B	X	.301	.301	0	%100
38	MP3B	Z	-.521	-.521	0	%100
39	MP1B	X	.301	.301	0	%100
40	MP1B	Z	-.521	-.521	0	%100
41	MP2B	X	.364	.364	0	%100
42	MP2B	Z	-.631	-.631	0	%100
43	M65	X	.301	.301	0	%100
44	M65	Z	-.521	-.521	0	%100
45	M65A	X	.301	.301	0	%100
46	M65A	Z	-.521	-.521	0	%100
47	OVP	X	.301	.301	0	%100
48	OVP	Z	-.521	-.521	0	%100
49	M69	X	.301	.301	0	%100
50	M69	Z	-.521	-.521	0	%100
51	M65C	X	.301	.301	0	%100
52	M65C	Z	-.521	-.521	0	%100
53	M69A	X	.301	.301	0	%100
54	M69A	Z	-.521	-.521	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.468	.468	0	%100
2	M1	Z	-.27	-.27	0	%100
3	M2	X	.387	.387	0	%100
4	M2	Z	-.224	-.224	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	1.549	1.549	0	%100
8	M8	Z	-.894	-.894	0	%100
9	M13	X	.468	.468	0	%100
10	M13	Z	-.27	-.27	0	%100
11	M14	X	.387	.387	0	%100
12	M14	Z	-.224	-.224	0	%100
13	M23	X	.13	.13	0	%100
14	M23	Z	-.075	-.075	0	%100
15	LV	X	.13	.13	0	%100
16	LV	Z	-.075	-.075	0	%100
17	MP3A	X	.521	.521	0	%100
18	MP3A	Z	-.301	-.301	0	%100
19	MP1A	X	.521	.521	0	%100
20	MP1A	Z	-.301	-.301	0	%100
21	MP2A	X	.631	.631	0	%100
22	MP2A	Z	-.364	-.364	0	%100
23	M38	X	.521	.521	0	%100
24	M38	Z	-.301	-.301	0	%100
25	M39	X	.521	.521	0	%100
26	M39	Z	-.301	-.301	0	%100
27	MP3C	X	.521	.521	0	%100
28	MP3C	Z	-.301	-.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	MP1C	X	.521	.521	0	%100
30	MP1C	Z	-.301	-.301	0	%100
31	MP2C	X	.631	.631	0	%100
32	MP2C	Z	-.364	-.364	0	%100
33	M53	X	.13	.13	0	%100
34	M53	Z	-.075	-.075	0	%100
35	M54	X	.13	.13	0	%100
36	M54	Z	-.075	-.075	0	%100
37	MP3B	X	.521	.521	0	%100
38	MP3B	Z	-.301	-.301	0	%100
39	MP1B	X	.521	.521	0	%100
40	MP1B	Z	-.301	-.301	0	%100
41	MP2B	X	.631	.631	0	%100
42	MP2B	Z	-.364	-.364	0	%100
43	M65	X	.521	.521	0	%100
44	M65	Z	-.301	-.301	0	%100
45	M65A	X	.521	.521	0	%100
46	M65A	Z	-.301	-.301	0	%100
47	OVP	X	.521	.521	0	%100
48	OVP	Z	-.301	-.301	0	%100
49	M69	X	.521	.521	0	%100
50	M69	Z	-.301	-.301	0	%100
51	M65C	X	.521	.521	0	%100
52	M65C	Z	-.301	-.301	0	%100
53	M69A	X	.521	.521	0	%100
54	M69A	Z	-.301	-.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.18	.18	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	1.341	1.341	0	%100
4	M2	Z	0	0	0	%100
5	M7	X	.18	.18	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	1.341	1.341	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	.721	.721	0	%100
10	M13	Z	0	0	0	%100
11	M14	X	0	0	0	%100
12	M14	Z	0	0	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	0	0	0	%100
15	LV	X	0	0	0	%100
16	LV	Z	0	0	0	%100
17	MP3A	X	.602	.602	0	%100
18	MP3A	Z	0	0	0	%100
19	MP1A	X	.602	.602	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	.729	.729	0	%100
22	MP2A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M38	X	.451	.451	0	%100
24	M38	Z	0	0	0	%100
25	M39	X	.451	.451	0	%100
26	M39	Z	0	0	0	%100
27	MP3C	X	.602	.602	0	%100
28	MP3C	Z	0	0	0	%100
29	MP1C	X	.602	.602	0	%100
30	MP1C	Z	0	0	0	%100
31	MP2C	X	.729	.729	0	%100
32	MP2C	Z	0	0	0	%100
33	M53	X	.451	.451	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	.451	.451	0	%100
36	M54	Z	0	0	0	%100
37	MP3B	X	.602	.602	0	%100
38	MP3B	Z	0	0	0	%100
39	MP1B	X	.602	.602	0	%100
40	MP1B	Z	0	0	0	%100
41	MP2B	X	.729	.729	0	%100
42	MP2B	Z	0	0	0	%100
43	M65	X	.602	.602	0	%100
44	M65	Z	0	0	0	%100
45	M65A	X	.602	.602	0	%100
46	M65A	Z	0	0	0	%100
47	OVP	X	.602	.602	0	%100
48	OVP	Z	0	0	0	%100
49	M69	X	.602	.602	0	%100
50	M69	Z	0	0	0	%100
51	M65C	X	.602	.602	0	%100
52	M65C	Z	0	0	0	%100
53	M69A	X	.602	.602	0	%100
54	M69A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	1.549	1.549	0	%100
4	M2	Z	.894	.894	0	%100
5	M7	X	.468	.468	0	%100
6	M7	Z	.27	.27	0	%100
7	M8	X	.387	.387	0	%100
8	M8	Z	.224	.224	0	%100
9	M13	X	.468	.468	0	%100
10	M13	Z	.27	.27	0	%100
11	M14	X	.387	.387	0	%100
12	M14	Z	.224	.224	0	%100
13	M23	X	.13	.13	0	%100
14	M23	Z	.075	.075	0	%100
15	LV	X	.13	.13	0	%100
16	LV	Z	.075	.075	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	MP3A	X	.521	.521	0	%100
18	MP3A	Z	.301	.301	0	%100
19	MP1A	X	.521	.521	0	%100
20	MP1A	Z	.301	.301	0	%100
21	MP2A	X	.631	.631	0	%100
22	MP2A	Z	.364	.364	0	%100
23	M38	X	.13	.13	0	%100
24	M38	Z	.075	.075	0	%100
25	M39	X	.13	.13	0	%100
26	M39	Z	.075	.075	0	%100
27	MP3C	X	.521	.521	0	%100
28	MP3C	Z	.301	.301	0	%100
29	MP1C	X	.521	.521	0	%100
30	MP1C	Z	.301	.301	0	%100
31	MP2C	X	.631	.631	0	%100
32	MP2C	Z	.364	.364	0	%100
33	M53	X	.521	.521	0	%100
34	M53	Z	.301	.301	0	%100
35	M54	X	.521	.521	0	%100
36	M54	Z	.301	.301	0	%100
37	MP3B	X	.521	.521	0	%100
38	MP3B	Z	.301	.301	0	%100
39	MP1B	X	.521	.521	0	%100
40	MP1B	Z	.301	.301	0	%100
41	MP2B	X	.631	.631	0	%100
42	MP2B	Z	.364	.364	0	%100
43	M65	X	.521	.521	0	%100
44	M65	Z	.301	.301	0	%100
45	M65A	X	.521	.521	0	%100
46	M65A	Z	.301	.301	0	%100
47	OVP	X	.521	.521	0	%100
48	OVP	Z	.301	.301	0	%100
49	M69	X	.521	.521	0	%100
50	M69	Z	.301	.301	0	%100
51	M65C	X	.521	.521	0	%100
52	M65C	Z	.301	.301	0	%100
53	M69A	X	.521	.521	0	%100
54	M69A	Z	.301	.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.09	.09	0	%100
2	M1	Z	.156	.156	0	%100
3	M2	X	.671	.671	0	%100
4	M2	Z	1.161	1.161	0	%100
5	M7	X	.361	.361	0	%100
6	M7	Z	.624	.624	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	.09	.09	0	%100
10	M13	Z	.156	.156	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M14	X	.671	.671	0	%100
12	M14	Z	1.161	1.161	0	%100
13	M23	X	.226	.226	0	%100
14	M23	Z	.391	.391	0	%100
15	LV	X	.226	.226	0	%100
16	LV	Z	.391	.391	0	%100
17	MP3A	X	.301	.301	0	%100
18	MP3A	Z	.521	.521	0	%100
19	MP1A	X	.301	.301	0	%100
20	MP1A	Z	.521	.521	0	%100
21	MP2A	X	.364	.364	0	%100
22	MP2A	Z	.631	.631	0	%100
23	M38	X	0	0	0	%100
24	M38	Z	0	0	0	%100
25	M39	X	0	0	0	%100
26	M39	Z	0	0	0	%100
27	MP3C	X	.301	.301	0	%100
28	MP3C	Z	.521	.521	0	%100
29	MP1C	X	.301	.301	0	%100
30	MP1C	Z	.521	.521	0	%100
31	MP2C	X	.364	.364	0	%100
32	MP2C	Z	.631	.631	0	%100
33	M53	X	.226	.226	0	%100
34	M53	Z	.391	.391	0	%100
35	M54	X	.226	.226	0	%100
36	M54	Z	.391	.391	0	%100
37	MP3B	X	.301	.301	0	%100
38	MP3B	Z	.521	.521	0	%100
39	MP1B	X	.301	.301	0	%100
40	MP1B	Z	.521	.521	0	%100
41	MP2B	X	.364	.364	0	%100
42	MP2B	Z	.631	.631	0	%100
43	M65	X	.301	.301	0	%100
44	M65	Z	.521	.521	0	%100
45	M65A	X	.301	.301	0	%100
46	M65A	Z	.521	.521	0	%100
47	OVP	X	.301	.301	0	%100
48	OVP	Z	.521	.521	0	%100
49	M69	X	.301	.301	0	%100
50	M69	Z	.521	.521	0	%100
51	M65C	X	.301	.301	0	%100
52	M65C	Z	.521	.521	0	%100
53	M69A	X	.301	.301	0	%100
54	M69A	Z	.521	.521	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.541	.541	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.447	.447	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M7	X	0	0	0	%100
6	M7	Z	.541	.541	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	.447	.447	0	%100
9	M13	X	0	0	0	%100
10	M13	Z	0	0	0	%100
11	M14	X	0	0	0	%100
12	M14	Z	1.788	1.788	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	.602	.602	0	%100
15	LV	X	0	0	0	%100
16	LV	Z	.602	.602	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	.602	.602	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	.602	.602	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	.729	.729	0	%100
23	M38	X	0	0	0	%100
24	M38	Z	.15	.15	0	%100
25	M39	X	0	0	0	%100
26	M39	Z	.15	.15	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	.602	.602	0	%100
29	MP1C	X	0	0	0	%100
30	MP1C	Z	.602	.602	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	.729	.729	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	.15	.15	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	.15	.15	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	.602	.602	0	%100
39	MP1B	X	0	0	0	%100
40	MP1B	Z	.602	.602	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	.729	.729	0	%100
43	M65	X	0	0	0	%100
44	M65	Z	.602	.602	0	%100
45	M65A	X	0	0	0	%100
46	M65A	Z	.602	.602	0	%100
47	OVP	X	0	0	0	%100
48	OVP	Z	.602	.602	0	%100
49	M69	X	0	0	0	%100
50	M69	Z	.602	.602	0	%100
51	M65C	X	0	0	0	%100
52	M65C	Z	.602	.602	0	%100
53	M69A	X	0	0	0	%100
54	M69A	Z	.602	.602	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.361	-.361	0	%100
2	M1	Z	.624	.624	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M7	X	-.09	-.09	0	%100
6	M7	Z	.156	.156	0	%100
7	M8	X	-.671	-.671	0	%100
8	M8	Z	1.161	1.161	0	%100
9	M13	X	-.09	-.09	0	%100
10	M13	Z	.156	.156	0	%100
11	M14	X	-.671	-.671	0	%100
12	M14	Z	1.161	1.161	0	%100
13	M23	X	-.226	-.226	0	%100
14	M23	Z	.391	.391	0	%100
15	LV	X	-.226	-.226	0	%100
16	LV	Z	.391	.391	0	%100
17	MP3A	X	-.301	-.301	0	%100
18	MP3A	Z	.521	.521	0	%100
19	MP1A	X	-.301	-.301	0	%100
20	MP1A	Z	.521	.521	0	%100
21	MP2A	X	-.364	-.364	0	%100
22	MP2A	Z	.631	.631	0	%100
23	M38	X	-.226	-.226	0	%100
24	M38	Z	.391	.391	0	%100
25	M39	X	-.226	-.226	0	%100
26	M39	Z	.391	.391	0	%100
27	MP3C	X	-.301	-.301	0	%100
28	MP3C	Z	.521	.521	0	%100
29	MP1C	X	-.301	-.301	0	%100
30	MP1C	Z	.521	.521	0	%100
31	MP2C	X	-.364	-.364	0	%100
32	MP2C	Z	.631	.631	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	MP3B	X	-.301	-.301	0	%100
38	MP3B	Z	.521	.521	0	%100
39	MP1B	X	-.301	-.301	0	%100
40	MP1B	Z	.521	.521	0	%100
41	MP2B	X	-.364	-.364	0	%100
42	MP2B	Z	.631	.631	0	%100
43	M65	X	-.301	-.301	0	%100
44	M65	Z	.521	.521	0	%100
45	M65A	X	-.301	-.301	0	%100
46	M65A	Z	.521	.521	0	%100
47	OVP	X	-.301	-.301	0	%100
48	OVP	Z	.521	.521	0	%100
49	M69	X	-.301	-.301	0	%100
50	M69	Z	.521	.521	0	%100
51	M65C	X	-.301	-.301	0	%100
52	M65C	Z	.521	.521	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M69A	X	-.301	-.301	0	%100
54	M69A	Z	.521	.521	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.468	-.468	0	%100
2	M1	Z	.27	.27	0	%100
3	M2	X	-.387	-.387	0	%100
4	M2	Z	.224	.224	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-1.549	-1.549	0	%100
8	M8	Z	.894	.894	0	%100
9	M13	X	-.468	-.468	0	%100
10	M13	Z	.27	.27	0	%100
11	M14	X	-.387	-.387	0	%100
12	M14	Z	.224	.224	0	%100
13	M23	X	-.13	-.13	0	%100
14	M23	Z	.075	.075	0	%100
15	LV	X	-.13	-.13	0	%100
16	LV	Z	.075	.075	0	%100
17	MP3A	X	-.521	-.521	0	%100
18	MP3A	Z	.301	.301	0	%100
19	MP1A	X	-.521	-.521	0	%100
20	MP1A	Z	.301	.301	0	%100
21	MP2A	X	-.631	-.631	0	%100
22	MP2A	Z	.364	.364	0	%100
23	M38	X	-.521	-.521	0	%100
24	M38	Z	.301	.301	0	%100
25	M39	X	-.521	-.521	0	%100
26	M39	Z	.301	.301	0	%100
27	MP3C	X	-.521	-.521	0	%100
28	MP3C	Z	.301	.301	0	%100
29	MP1C	X	-.521	-.521	0	%100
30	MP1C	Z	.301	.301	0	%100
31	MP2C	X	-.631	-.631	0	%100
32	MP2C	Z	.364	.364	0	%100
33	M53	X	-.13	-.13	0	%100
34	M53	Z	.075	.075	0	%100
35	M54	X	-.13	-.13	0	%100
36	M54	Z	.075	.075	0	%100
37	MP3B	X	-.521	-.521	0	%100
38	MP3B	Z	.301	.301	0	%100
39	MP1B	X	-.521	-.521	0	%100
40	MP1B	Z	.301	.301	0	%100
41	MP2B	X	-.631	-.631	0	%100
42	MP2B	Z	.364	.364	0	%100
43	M65	X	-.521	-.521	0	%100
44	M65	Z	.301	.301	0	%100
45	M65A	X	-.521	-.521	0	%100
46	M65A	Z	.301	.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	OVP	X	-.521	-.521	0	%100
48	OVP	Z	.301	.301	0	%100
49	M69	X	-.521	-.521	0	%100
50	M69	Z	.301	.301	0	%100
51	M65C	X	-.521	-.521	0	%100
52	M65C	Z	.301	.301	0	%100
53	M69A	X	-.521	-.521	0	%100
54	M69A	Z	.301	.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.18	-.18	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-1.341	-1.341	0	%100
4	M2	Z	0	0	0	%100
5	M7	X	-.18	-.18	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-1.341	-1.341	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	-.721	-.721	0	%100
10	M13	Z	0	0	0	%100
11	M14	X	0	0	0	%100
12	M14	Z	0	0	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	0	0	0	%100
15	LV	X	0	0	0	%100
16	LV	Z	0	0	0	%100
17	MP3A	X	-.602	-.602	0	%100
18	MP3A	Z	0	0	0	%100
19	MP1A	X	-.602	-.602	0	%100
20	MP1A	Z	0	0	0	%100
21	MP2A	X	-.729	-.729	0	%100
22	MP2A	Z	0	0	0	%100
23	M38	X	-.451	-.451	0	%100
24	M38	Z	0	0	0	%100
25	M39	X	-.451	-.451	0	%100
26	M39	Z	0	0	0	%100
27	MP3C	X	-.602	-.602	0	%100
28	MP3C	Z	0	0	0	%100
29	MP1C	X	-.602	-.602	0	%100
30	MP1C	Z	0	0	0	%100
31	MP2C	X	-.729	-.729	0	%100
32	MP2C	Z	0	0	0	%100
33	M53	X	-.451	-.451	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	-.451	-.451	0	%100
36	M54	Z	0	0	0	%100
37	MP3B	X	-.602	-.602	0	%100
38	MP3B	Z	0	0	0	%100
39	MP1B	X	-.602	-.602	0	%100
40	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	MP2B	X	-.729	-.729	0	%100
42	MP2B	Z	0	0	0	%100
43	M65	X	-.602	-.602	0	%100
44	M65	Z	0	0	0	%100
45	M65A	X	-.602	-.602	0	%100
46	M65A	Z	0	0	0	%100
47	OVP	X	-.602	-.602	0	%100
48	OVP	Z	0	0	0	%100
49	M69	X	-.602	-.602	0	%100
50	M69	Z	0	0	0	%100
51	M65C	X	-.602	-.602	0	%100
52	M65C	Z	0	0	0	%100
53	M69A	X	-.602	-.602	0	%100
54	M69A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-1.549	-1.549	0	%100
4	M2	Z	-.894	-.894	0	%100
5	M7	X	-.468	-.468	0	%100
6	M7	Z	-.27	-.27	0	%100
7	M8	X	-.387	-.387	0	%100
8	M8	Z	-.224	-.224	0	%100
9	M13	X	-.468	-.468	0	%100
10	M13	Z	-.27	-.27	0	%100
11	M14	X	-.387	-.387	0	%100
12	M14	Z	-.224	-.224	0	%100
13	M23	X	-.13	-.13	0	%100
14	M23	Z	-.075	-.075	0	%100
15	LV	X	-.13	-.13	0	%100
16	LV	Z	-.075	-.075	0	%100
17	MP3A	X	-.521	-.521	0	%100
18	MP3A	Z	-.301	-.301	0	%100
19	MP1A	X	-.521	-.521	0	%100
20	MP1A	Z	-.301	-.301	0	%100
21	MP2A	X	-.631	-.631	0	%100
22	MP2A	Z	-.364	-.364	0	%100
23	M38	X	-.13	-.13	0	%100
24	M38	Z	-.075	-.075	0	%100
25	M39	X	-.13	-.13	0	%100
26	M39	Z	-.075	-.075	0	%100
27	MP3C	X	-.521	-.521	0	%100
28	MP3C	Z	-.301	-.301	0	%100
29	MP1C	X	-.521	-.521	0	%100
30	MP1C	Z	-.301	-.301	0	%100
31	MP2C	X	-.631	-.631	0	%100
32	MP2C	Z	-.364	-.364	0	%100
33	M53	X	-.521	-.521	0	%100
34	M53	Z	-.301	-.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M54	X	-.521	-.521	0	%100
36	M54	Z	-.301	-.301	0	%100
37	MP3B	X	-.521	-.521	0	%100
38	MP3B	Z	-.301	-.301	0	%100
39	MP1B	X	-.521	-.521	0	%100
40	MP1B	Z	-.301	-.301	0	%100
41	MP2B	X	-.631	-.631	0	%100
42	MP2B	Z	-.364	-.364	0	%100
43	M65	X	-.521	-.521	0	%100
44	M65	Z	-.301	-.301	0	%100
45	M65A	X	-.521	-.521	0	%100
46	M65A	Z	-.301	-.301	0	%100
47	OVP	X	-.521	-.521	0	%100
48	OVP	Z	-.301	-.301	0	%100
49	M69	X	-.521	-.521	0	%100
50	M69	Z	-.301	-.301	0	%100
51	M65C	X	-.521	-.521	0	%100
52	M65C	Z	-.301	-.301	0	%100
53	M69A	X	-.521	-.521	0	%100
54	M69A	Z	-.301	-.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.09	-.09	0	%100
2	M1	Z	-.156	-.156	0	%100
3	M2	X	-.671	-.671	0	%100
4	M2	Z	-1.161	-1.161	0	%100
5	M7	X	-.361	-.361	0	%100
6	M7	Z	-.624	-.624	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M13	X	-.09	-.09	0	%100
10	M13	Z	-.156	-.156	0	%100
11	M14	X	-.671	-.671	0	%100
12	M14	Z	-1.161	-1.161	0	%100
13	M23	X	-.226	-.226	0	%100
14	M23	Z	-.391	-.391	0	%100
15	LV	X	-.226	-.226	0	%100
16	LV	Z	-.391	-.391	0	%100
17	MP3A	X	-.301	-.301	0	%100
18	MP3A	Z	-.521	-.521	0	%100
19	MP1A	X	-.301	-.301	0	%100
20	MP1A	Z	-.521	-.521	0	%100
21	MP2A	X	-.364	-.364	0	%100
22	MP2A	Z	-.631	-.631	0	%100
23	M38	X	0	0	0	%100
24	M38	Z	0	0	0	%100
25	M39	X	0	0	0	%100
26	M39	Z	0	0	0	%100
27	MP3C	X	-.301	-.301	0	%100
28	MP3C	Z	-.521	-.521	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	MP1C	X	-.301	-.301	0	%100
30	MP1C	Z	-.521	-.521	0	%100
31	MP2C	X	-.364	-.364	0	%100
32	MP2C	Z	-.631	-.631	0	%100
33	M53	X	-.226	-.226	0	%100
34	M53	Z	-.391	-.391	0	%100
35	M54	X	-.226	-.226	0	%100
36	M54	Z	-.391	-.391	0	%100
37	MP3B	X	-.301	-.301	0	%100
38	MP3B	Z	-.521	-.521	0	%100
39	MP1B	X	-.301	-.301	0	%100
40	MP1B	Z	-.521	-.521	0	%100
41	MP2B	X	-.364	-.364	0	%100
42	MP2B	Z	-.631	-.631	0	%100
43	M65	X	-.301	-.301	0	%100
44	M65	Z	-.521	-.521	0	%100
45	M65A	X	-.301	-.301	0	%100
46	M65A	Z	-.521	-.521	0	%100
47	OVP	X	-.301	-.301	0	%100
48	OVP	Z	-.521	-.521	0	%100
49	M69	X	-.301	-.301	0	%100
50	M69	Z	-.521	-.521	0	%100
51	M65C	X	-.301	-.301	0	%100
52	M65C	Z	-.521	-.521	0	%100
53	M69A	X	-.301	-.301	0	%100
54	M69A	Z	-.521	-.521	0	%100

Member Area Loads

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

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N14	max	1248.862	11	1699.602	21	1072.528	12	1.115	1	1.329	12	.862	5
2		min	-1231.288	5	-306.573	3	-1083.975	6	-1.869	7	-1.319	6	-1.793	11
3	N2	max	671.099	9	1923.574	17	1578.778	1	1.178	1	1.396	8	1.57	3
4		min	-695.47	3	-247.907	11	-1580.944	7	-2.381	7	-1.401	2	-.731	9
5	N26	max	1535.077	10	2230.856	13	834.534	2	2.163	13	1.393	4	1.811	4
6		min	-1530.715	4	-.634	7	-823.004	8	-.094	7	-1.394	10	-1.664	10
7	Totals:	max	3325.101	10	4837.277	23	3269.877	1						
8		min	-3325.103	4	1584.655	68	-3269.856	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M1	HSS4X4X4	.154	0	7	.199	0	z	8	139005....	139518	16.181	16.181	1....	H1-1b
2	M2	PL3/8x7	.608	.792	6	.248	.792	y	6	19250.5...	85050	.664	12.403	1....	H1-1b
3	M7	HSS4X4X4	.151	0	11	.174	0	z	6	139005....	139518	16.181	16.181	1....	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
4	M8	PL3/8x7	.514	.792	10	.172	.792	y	10	19250.5...	85050	.664	12.403	1....	H1-1b
5	M13	HSS4X4X4	.163	0	3	.172	0	z	4	139005....	139518	16.181	16.181	1....	H1-1b
6	M14	PL3/8x7	.545	.792	2	.210	.792	y	2	19250.5...	85050	.664	12.403	1....	H1-1b
7	M23	PIPE_2.0	.403	4.222	2	.210	2.667		8	22845.3...	32130	1.872	1.872	1....	H1-1b
8	LV	PIPE_2.0	.271	4.222	7	.155	4.278		7	22845.3...	32130	1.872	1.872	1....	H1-1b
9	MP3A	PIPE_2.0	.162	3.281	7	.046	3.281		6	17855.0...	32130	1.872	1.872	1....	H1-1b
10	MP1A	PIPE_2.0	.422	3.208	7	.104	3.281		7	17855.0...	32130	1.872	1.872	1....	H1-1b
11	MP2A	PIPE_2.0	.189	6.635	5	.095	3.281		6	17855.0...	32130	1.872	1.872	1....	H1-1b
12	M38	PIPE_2.0	.414	4.222	10	.178	2.667		4	22845.3...	32130	1.872	1.872	1....	H1-1b
13	M39	PIPE_2.0	.261	4.222	3	.149	4.278		3	22845.3...	32130	1.872	1.872	1....	H1-1b
14	MP3C	PIPE_2.0	.139	3.281	3	.037	3.281		2	17855.0...	32130	1.872	1.872	1....	H1-1b
15	MP1C	PIPE_2.0	.407	3.208	9	.089	3.281		3	17855.0...	32130	1.872	1.872	1....	H1-1b
16	MP2C	PIPE_2.0	.167	6.635	1	.077	3.281		2	17855.0...	32130	1.872	1.872	1....	H1-1b
17	M53	PIPE_2.0	.345	4.5	7	.164	4.556		5	22845.3...	32130	1.872	1.872	1....	H1-1b
18	M54	PIPE_2.0	.196	4.556	10	.163	4.556		11	22845.3...	32130	1.872	1.872	1....	H1-1b
19	MP3B	PIPE_2.0	.127	3.281	11	.023	3.281		12	17855.0...	32130	1.872	1.872	1....	H1-1b
20	MP1B	PIPE_2.0	.407	3.208	5	.079	3.208		2	17855.0...	32130	1.872	1.872	1....	H1-1b
21	MP2B	PIPE_2.0	.153	3.281	1	.058	3.281		10	17855.0...	32130	1.872	1.872	1....	H1-1b
22	M65	PIPE_2.0	.668	4.266	3	.150	4.333		3	19360.2...	32130	1.872	1.872	2....	H1-1b
23	M65A	PIPE_2.0	.439	4.266	10	.103	4.266		10	19360.2...	32130	1.872	1.872	2....	H1-1b
24	OVP	PIPE_2.0	.808	4.266	7	.166	4.333		7	19360.2...	32130	1.872	1.872	2....	H1-1b
25	M69	PIPE_2.0	.435	4.266	2	.112	4.266		2	19360.2...	32130	1.872	1.872	2....	H1-1b
26	M65C	PIPE_2.0	.513	4.266	6	.130	4.266		6	19360.2...	32130	1.872	1.872	2....	H1-1b
27	M69A	PIPE_2.0	.650	4.266	11	.125	4.333		11	19360.2...	32130	1.872	1.872	2....	H1-1b

VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	6/28/2023
Site Name:	Seymour West CT		
MDG #:	5000385883		
Fuze ID #:	16092567	Page:	1

Version 1.0

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	No
Tower Connection Baseplate Checks	No
Tower Connection Weld Checks	Yes

Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Stiffner Notch Length, n (in):	
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2
c_y (in)	2
Required combined strength (kip/in):	1.22
Weld Capacity (kip/in):	5.57
Weld Utilization:	**21.9%**

Date: **July 31, 2023**

Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
(724) 416-2000

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	5000385883
	Site Name:	SEYMOUR WEST CT
Crown Castle Designation:	**BU Number:**	845455
	Site Name:	OXFORD-QUAKER FARMS
	JDE Job Number:	751353
	Work Order Number:	2248095
	Order Number:	654621 Rev. 0
Engineering Firm Designation:	**Crown Castle Project Number:**	2248095
Site Data:	**85 QUAKER FARMS ROAD, OXFORD, NEW HAVEN County, CT**	
	Latitude *41° 23' 2.36"*, Longitude *-73° 8' 14.54"*	
	149 Foot - Monopole Tower	

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

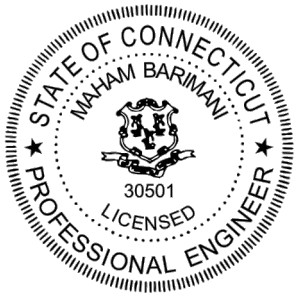
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC5: Proposed Equipment Configuration **Sufficient Capacity**

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

Structural analysis prepared by: Kenneth Sukitch

Respectfully submitted by:



Maham Barimani, P.E.
Senior Project Engineer

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 149 ft Monopole tower designed by PAUL J FORD.

2) ANALYSIS CRITERIA

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

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
122.0	123.0	2	raycap	RRFDC-3315-PF-48	2	1-1/4
118.0	120.0	3	antel	BXA-80080/6CF w/ Mount Pipe	18	1-5/8
		6	jma wireless	MX06FRO660-03 w/ Mount Pipe		
		2	kaelus	BSF0020F3V1		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		3	samsung telecommunications	RF4439D-25A		
		3	samsung telecommunications	RF4440D-13A		
	118.0	1	-	5.33' integrated mount w/modifications		

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)
149.0	153.0	1	telewave	ANT150D	1 1 3 6	3/8 1/2 3/4 1 5/8
	150.0	3	ericsson	RADIO 4415 B30		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 8843 B2/B66A		
		6	powerwave technologies	LGP21401		
		1	raycap	DC9-48-60-24-PC16-EV		
	149.0	1	tower mounts	Pipe Mount [PM 501-3]		
		1	tower mounts	T-Arm Mount [TA 702-3]		
	148.0	3	cci antennas	DMP65R-BU6D w/ Mount Pipe		
		3	commscope	NNH4-65B-R6 w/ Mount Pipe		
144.0	148.0	3	ericsson	RRUS 12 B2	1 2	3/8 3/4
	145.0	3	ericsson	RRUS 11 B12		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
	144.0	1	raycap	DC6-48-60-18-8F	1	RC
		1	tower mounts	Pipe Mount [PM 601-3]		
135.0	140.0	6	powerwave technologies	LGP13519	6	1-5/8
	135.0	3	powerwave technologies	RA21.7770.00 w/ Mount Pipe		
		1	tower mounts	Side Arm Mount [SO 104-3]		
127.0	132.0	3	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe	1 8	1-1/4 1-5/8
		3	ericsson	RADIO 4415 B66A_CCIV3		
		3	ericsson	RADIO 4424 B25_TMO		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	rfs celwave	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe		
	127.0	3	rfs celwave	APXVAALL24_43-U-NA20 w/ Mount Pipe		
		1	tower mounts	Platform Mount [LP 301-1]		
111.0	111.0	3	fujitsu	TA08025-B604	1	1-1/2
		3	fujitsu	TA08025-B605		
		3	jma wireless	MX08FRO665-21 w/ Mount Pipe		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		
81.0	86.0	1	telewave	ANT150D	3	1/2
	81.0	1		PCTEL MPRC2449		
		2	tower mounts	Pipe Mount [PM 601-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	4546778	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	5113091	CCISITES
4-TOWER MANUFACTURER DRAWINGS	5110795	CCISITES

3.1) Analysis Method

tnxTower (version 8.1.4.0), 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. Crown Castle 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	149 - 111.5	Pole	TP29.487x23x0.1875	1	-11.21	1047.35	43.2	Pass
L2	111.5 - 75.25	Pole	TP35.383x28.4633x0.2188	2	-19.83	1466.49	94.7	Pass
L3	75.25 - 39.75	Pole	TP41.086x34.167x0.2813	3	-27.58	2187.66	96.4	Pass
L4	39.75 - 0	Pole	TP47.4x39.6154x0.375	4	-41.30	3438.05	82.9	Pass
							Summary	
						Pole (L3)	96.4	Pass
						Rating =	96.4	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	90.7	Pass
1	Base Plate		68.3	Pass
1	Base Foundation (Structure)		41.8	Pass
1	Base Foundation (Soil Interaction)		78.3	Pass

Structure Rating (max from all components) =	96.4%

Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed.

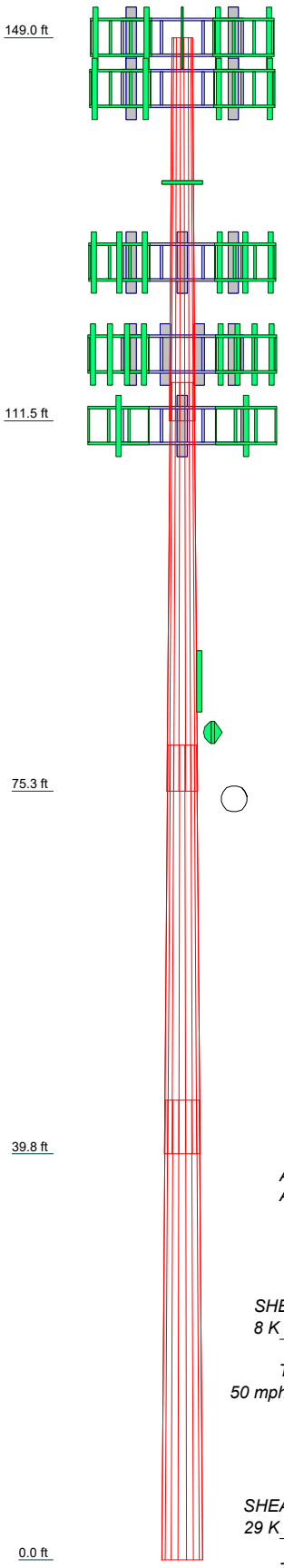
4.1) Recommendations

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

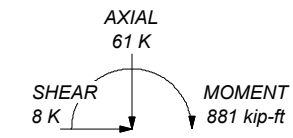
APPENDIX A

TNXTOWER OUTPUT

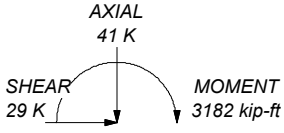
Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	37.50	18	0.1875	3.75	23.0000	29.4870	A607-65	2.0
2	40.00	18	0.2188	4.50	28.4633	35.3830		3.0
3	40.00	18	0.2813	5.25	34.1670	41.0860		4.5
4	45.00	18	0.3750		39.6154	47.4000		7.9
								17.4



ALL REACTIONS ARE FACTORED



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



TORQUE 2 kip-ft
REACTIONS - 118 mph WIND

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 118 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 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: 96.4%

Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
The Pathway to Possible
Phone: (724) 416-2000
FAX:

Job: ***BU# 845455***			
Project:			
Client: Crown Castle	Drawn by: KSukitch		App'd:
Code: TIA-222-H	Date: 07/31/23		Scale: NTS
Path: C:\Work Area\845455\WO 2248095 - SA\Prod\845455.eri			Dwg No. E-1

Tower Input Data

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

- Tower is located in New Haven County, Connecticut.
- Tower base elevation above sea level: 607.00 ft.
- Basic wind speed of 118 mph.
- Risk Category II.
- Exposure Category C.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

	Consider Moments - Legs		Distribute Leg Loads As Uniform		Use ASCE 10 X-Brace Ly Rules
	Consider Moments - Horizontals		Assume Legs Pinned		Calculate Forces in Supporting Bracing Members
	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	149.00-111.50	37.50	3.75	18	23.0000	29.4870	0.1875	0.7500	A607-65 (65 ksi)
L2	111.50-75.25	40.00	4.50	18	28.4633	35.3830	0.2188	0.8750	A607-65

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	75.25-39.75	40.00	5.25	18	34.1670	41.0860	0.2813	1.1250	(65 ksi) A607-65
L4	39.75-0.00	45.00		18	39.6154	47.4000	0.3750	1.5000	(65 ksi) A607-65 (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	23.3259	13.5763	892.6152	8.0984	11.6840	76.3964	1786.4050	6.7894	3.7180	19.829
	29.9130	17.4369	1891.1513	10.4013	14.9794	126.2502	3784.7910	8.7201	4.8597	25.918
L2	29.5274	19.6105	1976.4982	10.0268	14.4594	136.6934	3955.5970	9.8071	4.6245	21.141
	35.8951	24.4150	3814.1390	12.4833	17.9746	212.1965	7633.2967	12.2098	5.8424	26.708
L3	35.4411	30.2494	4388.2314	12.0295	17.3569	252.8241	8782.2369	15.1276	5.5184	19.621
	41.6764	36.4259	7662.4750	14.4857	20.8717	367.1229	15335.0324	18.2164	6.7361	23.951
L4	41.0909	46.7059	9086.0569	13.9303	20.1246	451.4897	18184.0695	23.3574	6.3123	16.833
	48.0734	55.9715	15637.3103	16.6939	24.0792	649.4115	31295.1965	27.9911	7.6824	20.486

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 149.00-111.50				1	1	1			
L2 111.50-75.25				1	1	1			
L3 75.25-39.75				1	1	1			
L4 39.75-0.00				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
** 122 + 118 **										
HB158-1-08U8-S8J18(1-5/8)	C	No	Surface Ar (CaAa)	118.00 - 0.00	8	6	-0.300 0.000	1.9800		1.30
HB158-1-08U8-S8J18(1-5/8)	C	No	Surface Ar (CaAa)	122.00 - 118.00	2	2	-0.100 0.000	1.9800		1.30
** 127 ft **										
AVA7-50(1-5/8)	B	No	Surface Ar (CaAa)	127.00 - 0.00	2	2	0.500 0.500	2.0100		0.70
HB114-U6S12-XXX-LI(1-1/4)	B	No	Surface Ar (CaAa)	127.00 - 0.00	1	1	0.400 0.410	1.5400		1.70
********** ********										

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
** 80 ft **									
LDF4-50A(1/2)	A	No	No	Inside Pole	80.00 - 0.00	3	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
LDF7-50A(1-5/8)	C	No	No	Inside Pole	118.00 - 0.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
LDF7-50A(1-5/8)	B	No	No	Inside Pole	127.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
** 135 **									
AVA7-50(1-5/8)	C	No	No	Inside Pole	135.00 - 0.00	6	No Ice	0.00	0.70
							1/2" Ice	0.00	0.70
							1" Ice	0.00	0.70
** 149 **									
LDF4-50A(1/2)	C	No	No	Inside Pole	149.00 - 0.00	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
LDF7-50A(1-5/8)	C	No	No	Inside Pole	149.00 - 0.00	6	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)	C	No	No	Inside Pole	149.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	149.00 - 0.00	3	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
** 144 **									
FB-L98B-034-XXX(3/8)	C	No	No	Inside Pole	144.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
WR-VG86ST-BRD(3/4)	C	No	No	Inside Pole	144.00 - 0.00	2	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
2" Flex Conduit	C	No	No	Inside Pole	144.00 - 0.00	1	No Ice	0.00	0.36
							1/2" Ice	0.00	0.36
							1" Ice	0.00	0.36
** 111 **									
CU12PSM9P6XXX (1-1/2)	A	No	No	Inside Pole	111.00 - 0.00	1	No Ice	0.00	2.35
							1/2" Ice	0.00	2.35
							1" Ice	0.00	2.35
********** **********									

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	149.00-111.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	8.618	0.000	0.12
		C	0.000	0.000	9.306	0.000	0.55
L2	111.50-75.25	A	0.000	0.000	0.000	0.000	0.09
		B	0.000	0.000	20.155	0.000	0.29
		C	0.000	0.000	43.065	0.000	1.19
L3	75.25-39.75	A	0.000	0.000	0.000	0.000	0.10
		B	0.000	0.000	19.738	0.000	0.28
		C	0.000	0.000	42.174	0.000	1.17
L4	39.75-0.00	A	0.000	0.000	0.000	0.000	0.11
		B	0.000	0.000	22.101	0.000	0.32
		C	0.000	0.000	47.223	0.000	1.31

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	149.00-111.50	A	0.975	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	16.974	0.000	0.25
		C		0.000	0.000	14.191	0.000	0.67
L2	111.50-75.25	A	0.943	0.000	0.000	0.000	0.000	0.09
		B		0.000	0.000	39.697	0.000	0.60
		C		0.000	0.000	62.664	0.000	1.72
L3	75.25-39.75	A	0.898	0.000	0.000	0.000	0.000	0.10
		B		0.000	0.000	38.366	0.000	0.57
		C		0.000	0.000	61.085	0.000	1.67
L4	39.75-0.00	A	0.809	0.000	0.000	0.000	0.000	0.11
		B		0.000	0.000	42.163	0.000	0.62
		C		0.000	0.000	67.955	0.000	1.84

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	149.00-111.50	1.9919	2.5767	1.9112	2.2007
L2	111.50-75.25	4.0373	6.6223	3.6214	5.2320
L3	75.25-39.75	4.2935	7.0195	3.8907	5.6223
L4	39.75-0.00	4.5150	7.3630	4.1167	5.9648

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	4	HB158-1-08U8-S8J18(1-5/8)	111.50 - 118.00	1.0000	1.0000
L1	5	HB158-1-08U8-S8J18(1-5/8)	118.00 - 122.00	1.0000	1.0000
L1	8	AVA7-50(1-5/8)	111.50 - 127.00	1.0000	1.0000
L1	10	HB114-U6S12-XXX-LI(1-1/4)	111.50 - 127.00	1.0000	1.0000
L2	4	HB158-1-08U8-S8J18(1-5/8)	75.25 - 111.50	1.0000	1.0000
L2	8	AVA7-50(1-5/8)	75.25 - 111.50	1.0000	1.0000
L2	10	HB114-U6S12-XXX-LI(1-1/4)	75.25 - 111.50	1.0000	1.0000
L3	4	HB158-1-08U8-S8J18(1-5/8)	39.75 - 75.25	1.0000	1.0000
L3	8	AVA7-50(1-5/8)	39.75 - 75.25	1.0000	1.0000
L3	10	HB114-U6S12-XXX-LI(1-1/4)	39.75 - 75.25	1.0000	1.0000
L4	4	HB158-1-08U8-S8J18(1-5/8)	0.00 - 39.75	1.0000	1.0000
L4	8	AVA7-50(1-5/8)	0.00 - 39.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L4	10	HB114-U6S12-XXX-LI(1-1/4)	0.00 - 39.75	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft
** 149 **					
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.00 0.00 -1.00	0.0000	149.00
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.00 0.00 -1.00	0.0000	149.00
DMP65R-BU6D w/ Mount Pipe	C	From Leg	4.00 0.00 -1.00	0.0000	149.00
NNH4-65B-R6 w/ Mount Pipe	A	From Leg	4.00 0.00 -1.00	0.0000	149.00
NNH4-65B-R6 w/ Mount Pipe	B	From Leg	4.00 0.00 -1.00	0.0000	149.00
NNH4-65B-R6 w/ Mount Pipe	C	From Leg	4.00 0.00 -1.00	0.0000	149.00
ANT150D	B	From Leg	4.00 0.00 4.00	0.0000	149.00
(2) LGP21401	A	From Leg	4.00 0.00 1.00	0.0000	149.00
(2) LGP21401	B	From Leg	4.00 0.00 1.00	0.0000	149.00
(2) LGP21401	C	From Leg	4.00 0.00 1.00	0.0000	149.00
RADIO 4415 B30	A	From Leg	4.00 0.00 1.00	0.0000	149.00
RADIO 4415 B30	B	From Leg	4.00 0.00 1.00	0.0000	149.00
RADIO 4415 B30	C	From Leg	4.00 0.00 1.00	0.0000	149.00
RRUS 8843 B2/B66A	A	From Leg	4.00 0.00 1.00	0.0000	149.00
RRUS 8843 B2/B66A	B	From Leg	4.00 0.00 1.00	0.0000	149.00
RRUS 8843 B2/B66A	C	From Leg	4.00 0.00 1.00	0.0000	149.00
RRUS 4449 B5/B12	A	From Leg	4.00 0.00	0.0000	149.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
RRUS 4449 B5/B12	B	From Leg	1.00 4.00 0.00	0.0000	149.00
RRUS 4449 B5/B12	C	From Leg	1.00 4.00 0.00	0.0000	149.00
DC9-48-60-24-PC16-EV	A	From Leg	1.00 4.00 0.00	0.0000	149.00
T-Arm Mount [TA 702-3]	C	None	1.00	0.0000	149.00
Pipe Mount [PM 501-3]	C	None		0.0000	149.00
** 144 **					
DC6-48-60-18-8F	A	From Leg	1.00 0.00 0.00	0.0000	144.00
RRUS 11 B12	A	From Leg	1.00 0.00 1.00	0.0000	144.00
RRUS 11 B12	B	From Leg	1.00 0.00 1.00	0.0000	144.00
RRUS 11 B12	C	From Leg	1.00 0.00 1.00	0.0000	144.00
RRUS 12 B2	A	From Leg	1.00 0.00 4.00	0.0000	144.00
RRUS 12 B2	B	From Leg	1.00 0.00 4.00	0.0000	144.00
RRUS 12 B2	C	From Leg	1.00 0.00 4.00	0.0000	144.00
Pipe Mount [PM 601-3]	C	None		0.0000	144.00
** 135 **					
RA21.7770.00 w/ Mount Pipe	A	From Leg	1.00 0.00 0.00	0.0000	135.00
RA21.7770.00 w/ Mount Pipe	B	From Leg	1.00 0.00 0.00	0.0000	135.00
RA21.7770.00 w/ Mount Pipe	C	From Leg	1.00 0.00 0.00	0.0000	135.00
(2) LGP13519	A	From Leg	1.00 0.00 5.00	0.0000	135.00
(2) LGP13519	B	From Leg	1.00 0.00 5.00	0.0000	135.00
(2) LGP13519	C	From Leg	1.00 0.00 5.00	0.0000	135.00
Side Arm Mount [SO 104-3]	C	None		0.0000	135.00
4.5' x 2" Mount Pipe	A	From Leg	1.00 0.00 0.00	0.0000	135.00
4.5' x 2" Mount Pipe	B	From Leg	1.00 0.00 0.00	0.0000	135.00
4.5' x 2" Mount Pipe	C	From Leg	1.00 0.00 0.00	0.0000	135.00
** 127 **					

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	A	From Leg	4.00 0.00 5.00	0.0000	127.00
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	B	From Leg	4.00 0.00 5.00	0.0000	127.00
APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	C	From Leg	4.00 0.00 5.00	0.0000	127.00
APXVAALL24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	127.00
APXVAALL24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	127.00
APXVAALL24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	127.00
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.00 0.00 5.00	0.0000	127.00
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.00 0.00 5.00	0.0000	127.00
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4415 B66A_CCIV3	A	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4415 B66A_CCIV3	B	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4415 B66A_CCIV3	C	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4424 B25_TMO	A	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4424 B25_TMO	B	From Leg	4.00 0.00 5.00	0.0000	127.00
RADIO 4424 B25_TMO	C	From Leg	4.00 0.00 5.00	0.0000	127.00
Platform Mount [LP 301-1]	C	None		0.0000	127.00
** 122 ** (2) RRFDC-3315-PF-48	A	From Leg	4.00 0.00 1.00	0.0000	122.00
** 118 ** BXA-80080/6CF w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	118.00
BXA-80080/6CF w/ Mount Pipe	B	From Leg	4.00 0.00	0.0000	118.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
BXA-80080/6CF w/ Mount Pipe	C	From Leg	2.00 4.00 0.00	0.0000	118.00
(2) MX06FRO660-03 w/ Mount Pipe	A	From Leg	2.00 4.00 0.00	0.0000	118.00
(2) MX06FRO660-03 w/ Mount Pipe	B	From Leg	2.00 4.00 0.00	0.0000	118.00
(2) MX06FRO660-03 w/ Mount Pipe	C	From Leg	2.00 4.00 0.00	0.0000	118.00
MT6407-77A w/ Mount Pipe	A	From Leg	2.00 4.00 0.00	0.0000	118.00
MT6407-77A w/ Mount Pipe	B	From Leg	2.00 4.00 0.00	0.0000	118.00
MT6407-77A w/ Mount Pipe	C	From Leg	2.00 4.00 0.00	0.0000	118.00
BSF0020F3V1	A	From Leg	2.00 4.00 0.00	0.0000	118.00
BSF0020F3V1	B	From Leg	2.00 4.00 0.00	0.0000	118.00
RF4439D-25A	A	From Leg	2.00 4.00 0.00	0.0000	118.00
RF4439D-25A	B	From Leg	2.00 4.00 0.00	0.0000	118.00
RF4439D-25A	C	From Leg	2.00 4.00 0.00	0.0000	118.00
RF4440D-13A	A	From Leg	2.00 4.00 0.00	0.0000	118.00
RF4440D-13A	B	From Leg	2.00 4.00 0.00	0.0000	118.00
RF4440D-13A	C	From Leg	2.00 4.00 0.00	0.0000	118.00
5.33' integrated mount w/modifications	C	None	2.00	0.0000	118.00
(2) 7' x 2" Mount Pipe	A	From Leg	3.00 0.00 0.00	0.0000	118.00
(2) 7' x 2" Mount Pipe	B	From Leg	3.00 0.00 0.00	0.0000	118.00
(2) 7' x 2" Mount Pipe	C	From Leg	3.00 0.00 0.00	0.0000	118.00
** 111 ** MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	111.00
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	111.00
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.00 0.00	0.0000	111.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft
			0.00		
TA08025-B604	A	From Leg	4.00	0.0000	111.00
			0.00		
			0.00		
TA08025-B604	B	From Leg	4.00	0.0000	111.00
			0.00		
			0.00		
TA08025-B604	C	From Leg	4.00	0.0000	111.00
			0.00		
			0.00		
TA08025-B605	A	From Leg	4.00	0.0000	111.00
			0.00		
			0.00		
TA08025-B605	B	From Leg	4.00	0.0000	111.00
			0.00		
			0.00		
TA08025-B605	C	From Leg	4.00	0.0000	111.00
			0.00		
			0.00		
RDIDC-9181-PF-48	A	From Leg	4.00	0.0000	111.00
			0.00		
			0.00		
Commscope MC-PK8-DSH	A	None		0.0000	111.00
(2) 8' x 2" Mount Pipe	A	From Leg	4.00	0.0000	111.00
			0.00		
			0.00		
(2) 8' x 2" Mount Pipe	B	From Leg	4.00	0.0000	111.00
			0.00		
			0.00		
(2) 8' x 2" Mount Pipe	C	From Leg	4.00	0.0000	111.00
			0.00		
			0.00		
** 81 **					
ANT150D	B	From Leg	0.50	0.0000	81.00
			0.00		
			5.00		
Pipe Mount [PM 601-1]	A	From Leg	0.50	0.0000	81.00
			0.00		
			0.00		
Pipe Mount [PM 601-1]	A	From Leg	0.50	0.0000	81.00
			0.00		
			0.00		
6' x 2" Mount Pipe	A	From Leg	0.50	0.0000	81.00
			0.00		
			0.00		
6' x 2" Mount Pipe	A	From Leg	0.50	0.0000	81.00
			0.00		
			0.00		
****					

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft
80								

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft
PCTEL MPRC2449 ***	B	Paraboloid w/Radome	From Leg	1.00 0.00 0.00	0.0000		81.00	2.17

Load Combinations

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	149 - 111.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-22.86	-0.44	1.48
			Max. Mx	8	-11.24	-277.41	0.40
			Max. My	2	-11.21	-0.12	280.67
			Max. Vy	8	16.46	-277.41	0.40
			Max. Vx	2	-16.64	-0.12	280.67
			Max. Torque	8			1.30
L2	111.5 - 75.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.53	-1.20	1.29
			Max. Mx	8	-19.91	-1022.24	-0.04
			Max. My	2	-19.90	0.04	1029.92
			Max. Vy	20	-23.28	1021.38	0.91
			Max. Vx	2	-23.28	0.04	1029.92
			Max. Torque	20			-1.79
L3	75.25 - 39.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.91	-1.78	0.04
			Max. Mx	20	-27.64	1878.61	0.84
			Max. My	2	-27.63	0.85	1885.66
			Max. Vy	20	-25.94	1878.61	0.84
			Max. Vx	2	-25.90	0.85	1885.66
			Max. Torque	20			-1.79
L4	39.75 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.67	-2.61	-1.78
			Max. Mx	20	-41.30	3112.03	0.56
			Max. My	2	-41.30	1.85	3116.10
			Max. Vy	20	-28.63	3112.03	0.56
			Max. Vx	2	-28.58	1.85	3116.10
			Max. Torque	20			-1.78

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	33	60.67	-0.00	-7.97
	Max. H_x	20	41.33	28.59	0.01
	Max. H_z	3	31.00	0.03	28.54
	Max. M_x	2	3116.10	0.03	28.54
	Max. M_z	8	3110.35	-28.55	-0.01
	Max. Torsion	8	1.78	-28.55	-0.01
	Min. Vert	11	31.00	-24.55	-14.28
	Min. H_x	8	41.33	-28.55	-0.01
	Min. H_z	14	41.33	-0.01	-28.50
	Min. M_x	14	-3114.94	-0.01	-28.50
	Min. M_z	20	-3112.03	28.59	0.01
	Min. Torsion	20	-1.78	28.59	0.01

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	34.44	0.00	0.00	0.91	-0.76	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	41.33	-0.03	-28.54	-3116.10	1.85	0.44
0.9 Dead+1.0 Wind 0 deg - No Ice	31.00	-0.03	-28.54	-3066.98	2.07	0.45

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
1.2 Dead+1.0 Wind 30 deg - No Ice	41.33	14.64	-25.59	-2761.81	-1579.41	-0.53
0.9 Dead+1.0 Wind 30 deg - No Ice	31.00	14.64	-25.59	-2718.61	-1554.32	-0.53
1.2 Dead+1.0 Wind 60 deg - No Ice	41.33	24.69	-14.35	-1565.36	-2690.57	-1.34
0.9 Dead+1.0 Wind 60 deg - No Ice	31.00	24.69	-14.35	-1540.85	-2647.77	-1.34
1.2 Dead+1.0 Wind 90 deg - No Ice	41.33	28.55	0.01	2.80	-3110.35	-1.78
0.9 Dead+1.0 Wind 90 deg - No Ice	31.00	28.55	0.01	2.48	-3060.92	-1.78
1.2 Dead+1.0 Wind 120 deg - No Ice	41.33	24.55	14.28	1561.30	-2677.71	-1.77
0.9 Dead+1.0 Wind 120 deg - No Ice	31.00	24.55	14.28	1536.29	-2635.07	-1.77
1.2 Dead+1.0 Wind 150 deg - No Ice	41.33	14.17	24.71	2700.64	-1546.69	-1.28
0.9 Dead+1.0 Wind 150 deg - No Ice	31.00	14.17	24.71	2657.58	-1521.97	-1.28
1.2 Dead+1.0 Wind 180 deg - No Ice	41.33	0.01	28.50	3114.94	-1.91	-0.44
0.9 Dead+1.0 Wind 180 deg - No Ice	31.00	0.01	28.50	3065.31	-1.64	-0.44
1.2 Dead+1.0 Wind 210 deg - No Ice	41.33	-14.68	25.57	2762.30	1580.45	0.52
0.9 Dead+1.0 Wind 210 deg - No Ice	31.00	-14.68	25.57	2718.56	1555.85	0.52
1.2 Dead+1.0 Wind 240 deg - No Ice	41.33	-24.73	14.36	1567.68	2692.47	1.32
0.9 Dead+1.0 Wind 240 deg - No Ice	31.00	-24.73	14.36	1542.60	2650.14	1.32
1.2 Dead+1.0 Wind 270 deg - No Ice	41.33	-28.59	-0.01	-0.56	3112.03	1.78
0.9 Dead+1.0 Wind 270 deg - No Ice	31.00	-28.59	-0.01	-0.82	3063.08	1.78
1.2 Dead+1.0 Wind 300 deg - No Ice	41.33	-24.57	-14.29	-1560.16	2677.74	1.78
0.9 Dead+1.0 Wind 300 deg - No Ice	31.00	-24.57	-14.29	-1535.71	2635.58	1.78
1.2 Dead+1.0 Wind 330 deg - No Ice	41.33	-14.20	-24.75	-2701.53	1546.63	1.29
0.9 Dead+1.0 Wind 330 deg - No Ice	31.00	-14.20	-24.75	-2658.99	1522.38	1.29
1.2 Dead+1.0 Ice+1.0 Temp	60.67	0.00	-0.00	1.78	-2.61	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	60.67	-0.01	-7.97	-877.74	-2.20	0.15
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	60.67	3.96	-6.90	-759.39	-438.88	-0.07
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	60.67	6.86	-3.98	-437.44	-758.85	-0.27
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	60.67	7.93	0.00	2.17	-876.57	-0.40
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	60.67	6.87	3.99	441.92	-759.92	-0.42
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	60.67	3.97	6.91	763.53	-440.00	-0.33
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	60.67	0.00	7.97	880.65	-3.00	-0.15
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	60.67	-3.97	6.90	762.65	433.92	0.07
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	60.67	-6.87	3.98	441.08	754.07	0.27
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	60.67	-7.94	-0.00	1.46	871.75	0.40
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	60.67	-6.88	-3.99	-438.53	754.74	0.42
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	60.67	-3.97	-6.91	-760.56	434.80	0.33

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead+Wind 0 deg - Service	34.44	-0.01	-6.95	-752.23	-0.12	0.11
Dead+Wind 30 deg - Service	34.44	3.57	-6.23	-666.71	-382.21	-0.13
Dead+Wind 60 deg - Service	34.44	6.01	-3.50	-377.56	-650.64	-0.33
Dead+Wind 90 deg - Service	34.44	6.95	0.00	1.32	-752.05	-0.44
Dead+Wind 120 deg - Service	34.44	5.98	3.48	377.86	-647.52	-0.44
Dead+Wind 150 deg - Service	34.44	3.45	6.02	653.15	-374.27	-0.32
Dead+Wind 180 deg - Service	34.44	0.00	6.94	753.25	-1.03	-0.11
Dead+Wind 210 deg - Service	34.44	-3.57	6.23	668.12	381.33	0.13
Dead+Wind 240 deg - Service	34.44	-6.02	3.50	379.41	649.96	0.33
Dead+Wind 270 deg - Service	34.44	-6.96	-0.00	0.51	751.32	0.44
Dead+Wind 300 deg - Service	34.44	-5.98	-3.48	-376.29	646.38	0.44
Dead+Wind 330 deg - Service	34.44	-3.46	-6.03	-652.07	373.11	0.32

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	-34.44	0.00	0.00	34.44	0.00	0.000%
2	-0.03	-41.33	-28.54	0.03	41.33	28.54	0.000%
3	-0.03	-31.00	-28.54	0.03	31.00	28.54	0.000%
4	14.64	-41.33	-25.59	-14.64	41.33	25.59	0.000%
5	14.64	-31.00	-25.59	-14.64	31.00	25.59	0.000%
6	24.69	-41.33	-14.35	-24.69	41.33	14.35	0.000%
7	24.69	-31.00	-14.35	-24.69	31.00	14.35	0.000%
8	28.55	-41.33	0.01	-28.55	41.33	-0.01	0.000%
9	28.55	-31.00	0.01	-28.55	31.00	-0.01	0.000%
10	24.55	-41.33	14.28	-24.55	41.33	-14.28	0.000%
11	24.55	-31.00	14.28	-24.55	31.00	-14.28	0.000%
12	14.17	-41.33	24.71	-14.17	41.33	-24.71	0.000%
13	14.17	-31.00	24.71	-14.17	31.00	-24.71	0.000%
14	0.01	-41.33	28.50	-0.01	41.33	-28.50	0.000%
15	0.01	-31.00	28.50	-0.01	31.00	-28.50	0.000%
16	-14.68	-41.33	25.57	14.68	41.33	-25.57	0.000%
17	-14.68	-31.00	25.57	14.68	31.00	-25.57	0.000%
18	-24.73	-41.33	14.36	24.73	41.33	-14.36	0.000%
19	-24.73	-31.00	14.36	24.73	31.00	-14.36	0.000%
20	-28.59	-41.33	-0.01	28.59	41.33	0.01	0.000%
21	-28.59	-31.00	-0.01	28.59	31.00	0.01	0.000%
22	-24.57	-41.33	-14.29	24.57	41.33	14.29	0.000%
23	-24.57	-31.00	-14.29	24.57	31.00	14.29	0.000%
24	-14.20	-41.33	-24.75	14.20	41.33	24.75	0.000%
25	-14.20	-31.00	-24.75	14.20	31.00	24.75	0.000%
26	0.00	-60.67	0.00	-0.00	60.67	0.00	0.000%
27	-0.01	-60.67	-7.97	0.01	60.67	7.97	0.000%
28	3.96	-60.67	-6.90	-3.96	60.67	6.90	0.000%
29	6.86	-60.67	-3.98	-6.86	60.67	3.98	0.000%
30	7.93	-60.67	0.00	-7.93	60.67	-0.00	0.000%
31	6.87	-60.67	3.99	-6.87	60.67	-3.99	0.000%
32	3.97	-60.67	6.91	-3.97	60.67	-6.91	0.000%
33	0.00	-60.67	7.97	-0.00	60.67	-7.97	0.000%
34	-3.97	-60.67	6.90	3.97	60.67	-6.90	0.000%
35	-6.87	-60.67	3.98	6.87	60.67	-3.98	0.000%
36	-7.94	-60.67	-0.00	7.94	60.67	0.00	0.000%
37	-6.88	-60.67	-3.99	6.88	60.67	3.99	0.000%
38	-3.97	-60.67	-6.91	3.97	60.67	6.91	0.000%
39	-0.01	-34.44	-6.95	0.01	34.44	6.95	0.000%
40	3.57	-34.44	-6.23	-3.57	34.44	6.23	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
41	6.01	-34.44	-3.50	-6.01	34.44	3.50	0.000%
42	6.95	-34.44	0.00	-6.95	34.44	-0.00	0.000%
43	5.98	-34.44	3.48	-5.98	34.44	-3.48	0.000%
44	3.45	-34.44	6.02	-3.45	34.44	-6.02	0.000%
45	0.00	-34.44	6.94	-0.00	34.44	-6.94	0.000%
46	-3.57	-34.44	6.23	3.57	34.44	-6.23	0.000%
47	-6.02	-34.44	3.50	6.02	34.44	-3.50	0.000%
48	-6.96	-34.44	-0.00	6.96	34.44	0.00	0.000%
49	-5.98	-34.44	-3.48	5.98	34.44	3.48	0.000%
50	-3.46	-34.44	-6.03	3.46	34.44	6.03	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00006996
3	Yes	4	0.00000001	0.00094914
4	Yes	6	0.00000001	0.00053520
5	Yes	6	0.00000001	0.00015914
6	Yes	6	0.00000001	0.00054197
7	Yes	6	0.00000001	0.00016307
8	Yes	5	0.00000001	0.00029438
9	Yes	5	0.00000001	0.00013492
10	Yes	6	0.00000001	0.00051738
11	Yes	6	0.00000001	0.00015467
12	Yes	6	0.00000001	0.00053964
13	Yes	6	0.00000001	0.00016248
14	Yes	5	0.00000001	0.00008911
15	Yes	5	0.00000001	0.00003834
16	Yes	6	0.00000001	0.00054351
17	Yes	6	0.00000001	0.00016219
18	Yes	6	0.00000001	0.00052195
19	Yes	6	0.00000001	0.00015595
20	Yes	5	0.00000001	0.00031507
21	Yes	5	0.00000001	0.00014404
22	Yes	6	0.00000001	0.00054247
23	Yes	6	0.00000001	0.00016368
24	Yes	6	0.00000001	0.00052122
25	Yes	6	0.00000001	0.00015590
26	Yes	4	0.00000001	0.00002673
27	Yes	5	0.00000001	0.00093166
28	Yes	6	0.00000001	0.00021775
29	Yes	6	0.00000001	0.00021956
30	Yes	5	0.00000001	0.00093006
31	Yes	6	0.00000001	0.00021463
32	Yes	6	0.00000001	0.00022021
33	Yes	5	0.00000001	0.00092881
34	Yes	6	0.00000001	0.00021538
35	Yes	6	0.00000001	0.00021310
36	Yes	5	0.00000001	0.00092396
37	Yes	6	0.00000001	0.00021926
38	Yes	6	0.00000001	0.00021430
39	Yes	4	0.00000001	0.00021215
40	Yes	5	0.00000001	0.00014834
41	Yes	5	0.00000001	0.00015479
42	Yes	4	0.00000001	0.00036691
43	Yes	5	0.00000001	0.00013677
44	Yes	5	0.00000001	0.00015332
45	Yes	4	0.00000001	0.00021357
46	Yes	5	0.00000001	0.00015390
47	Yes	5	0.00000001	0.00013906
48	Yes	4	0.00000001	0.00037047
49	Yes	5	0.00000001	0.00015540
50	Yes	5	0.00000001	0.00013892

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	149 - 111.5	33.822	40	1.8906	0.0041
L2	115.25 - 75.25	20.830	40	1.7277	0.0032
L3	79.75 - 39.75	9.704	40	1.1886	0.0015
L4	45 - 0	3.007	46	0.6118	0.0006

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
149.00	DMP65R-BU6D w/ Mount Pipe	40	33.822	1.8906	0.0041	37270
144.00	DC6-48-60-18-8F	40	31.838	1.8790	0.0040	37270
135.00	RA21.7770.00 w/ Mount Pipe	40	28.291	1.8528	0.0038	13310
127.00	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	40	25.199	1.8169	0.0036	8469
122.00	(2) RRFDC-3315-PF-48	40	23.310	1.7853	0.0034	6901
118.00	BXA-80080/6CF w/ Mount Pipe	40	21.830	1.7534	0.0033	6015
111.00	MX08FRO665-21 w/ Mount Pipe	40	19.318	1.6815	0.0030	5116
81.00	PCTEL MPRC2449	40	10.029	1.2105	0.0016	3371

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	149 - 111.5	139.689	4	7.8285	0.0166
L2	115.25 - 75.25	86.135	4	7.1585	0.0129
L3	79.75 - 39.75	40.178	4	4.9267	0.0061
L4	45 - 0	12.449	16	2.5350	0.0023

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
149.00	DMP65R-BU6D w/ Mount Pipe	4	139.689	7.8285	0.0166	9343
144.00	DC6-48-60-18-8F	4	131.512	7.7813	0.0162	9343
135.00	RA21.7770.00 w/ Mount Pipe	4	116.898	7.6740	0.0154	3334
127.00	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe	4	104.151	7.5265	0.0145	2119
122.00	(2) RRFDC-3315-PF-48	4	96.363	7.3960	0.0139	1725
118.00	BXA-80080/6CF w/ Mount Pipe	4	90.258	7.2647	0.0133	1502
111.00	MX08FRO665-21 w/ Mount Pipe	4	79.896	6.9673	0.0121	1273
81.00	PCTEL MPRC2449	4	41.521	5.0177	0.0063	828

Compression Checks

Pole Design Data

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
L1	149 - 111.5 (1)	TP29.487x23x0.1875	37.50	0.00	0.0	17.0508	-11.21	997.47	0.011
L2	111.5 - 75.25 (2)	TP35.383x28.4633x0.2188	40.00	0.00	0.0	23.8745	-19.83	1396.66	0.014
L3	75.25 - 39.75 (3)	TP41.086x34.167x0.2813	40.00	0.00	0.0	35.6152	-27.58	2083.49	0.013
L4	39.75 - 0 (4)	TP47.4x39.6154x0.375	45.00	0.00	0.0	55.9715	-41.30	3274.33	0.013

Pole Bending Design Data

Section No.	Elevation	Size	M_{ux}	ϕM_{nx}	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy}	ϕM_{ny}	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
	ft		kip-ft	kip-ft		kip-ft	kip-ft	
L1	149 - 111.5 (1)	TP29.487x23x0.1875	280.67	639.10	0.439	0.00	639.10	0.000
L2	111.5 - 75.25 (2)	TP35.383x28.4633x0.2188	1035.48	1060.37	0.977	0.00	1060.37	0.000
L3	75.25 - 39.75 (3)	TP41.086x34.167x0.2813	1911.86	1917.64	0.997	0.00	1917.64	0.000
L4	39.75 - 0 (4)	TP47.4x39.6154x0.375	3182.47	3714.79	0.857	0.00	3714.79	0.000

Pole Shear Design Data

Section No.	Elevation	Size	Actual V_u	ϕV_n	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u	ϕT_n	Ratio $\frac{T_u}{\phi T_n}$
	ft		K	K		kip-ft	kip-ft	
L1	149 - 111.5 (1)	TP29.487x23x0.1875	16.64	296.03	0.056	0.21	750.83	0.000
L2	111.5 - 75.25 (2)	TP35.383x28.4633x0.2188	23.68	419.00	0.057	0.58	1261.74	0.000
L3	75.25 - 39.75 (3)	TP41.086x34.167x0.2813	26.65	625.05	0.043	0.53	2183.88	0.000
L4	39.75 - 0 (4)	TP47.4x39.6154x0.375	29.53	982.30	0.030	0.52	4045.32	0.000

Pole Interaction Design Data

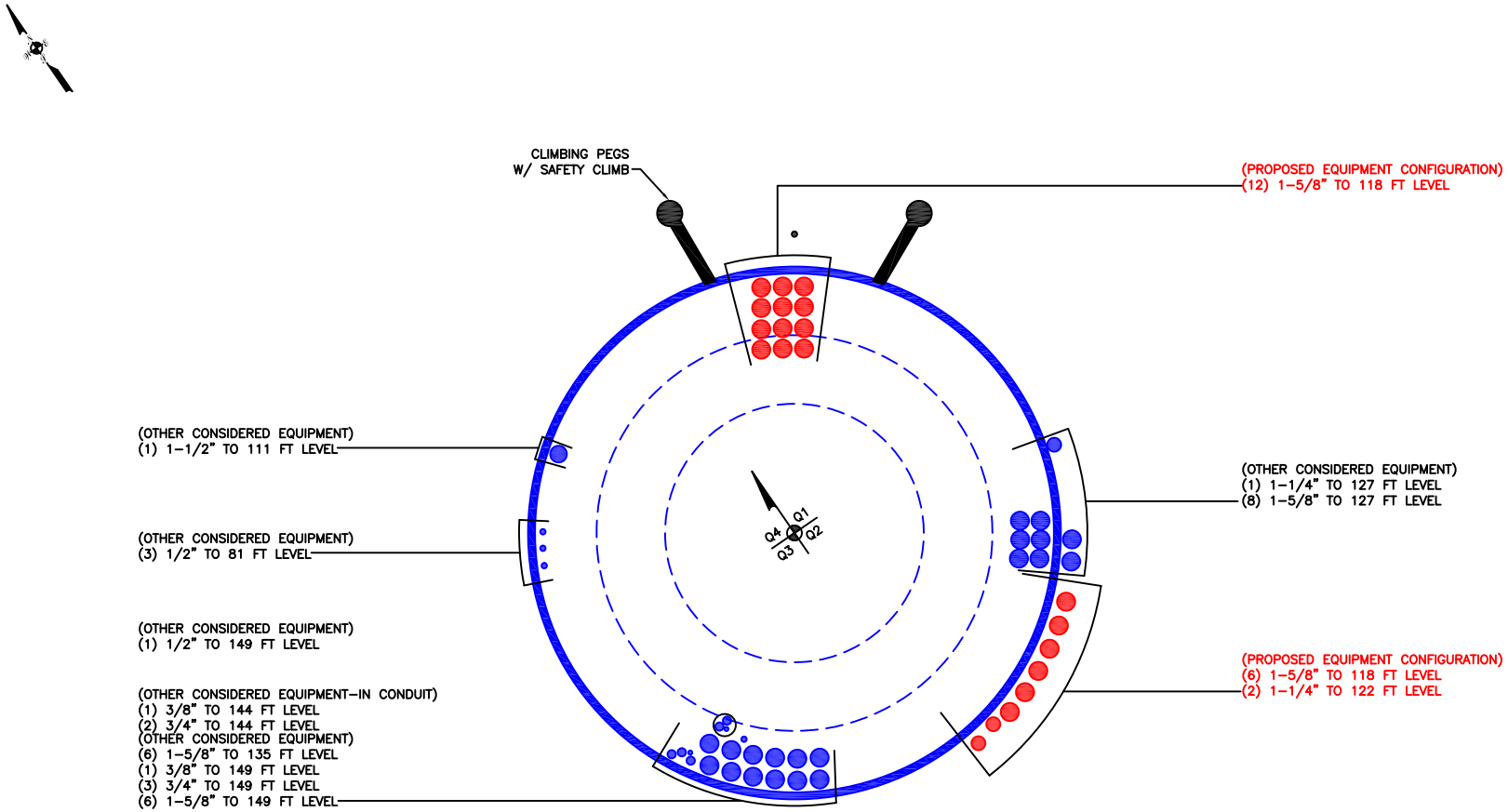
Section No.	Elevation	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
	ft								
L1	149 - 111.5 (1)	0.011	0.439	0.000	0.056	0.000	0.454	1.050	4.8.2
L2	111.5 - 75.25 (2)	0.014	0.977	0.000	0.057	0.000	0.994	1.050	4.8.2
L3	75.25 - 39.75 (3)	0.013	0.997	0.000	0.043	0.000	1.012	1.050	4.8.2
L4	39.75 - 0 (4)	0.013	0.857	0.000	0.030	0.000	0.870	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	149 - 111.5	Pole	TP29.487x23x0.1875	1	-11.21	1047.35	43.2	Pass
L2	111.5 - 75.25	Pole	TP35.383x28.4633x0.2188	2	-19.83	1466.49	94.7	Pass
L3	75.25 - 39.75	Pole	TP41.086x34.167x0.2813	3	-27.58	2187.66	96.4	Pass
L4	39.75 - 0	Pole	TP47.4x39.6154x0.375	4	-41.30	3438.05	82.9	Pass
							Summary	
						Pole (L3)	96.4	Pass
						RATING =	**96.4**	**Pass**

APPENDIX B

BASE LEVEL DRAWING


CLIMBING PEGS
W/ SAFETY CLIMB
(PROPOSED EQUIPMENT CONFIGURATION)
(12) 1-5/8" TO 118 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1-1/2" TO 111 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(3) 1/2" TO 81 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 149 FT LEVEL
(OTHER CONSIDERED EQUIPMENT-IN CONDUIT)
(1) 3/8" TO 144 FT LEVEL
(2) 3/4" TO 144 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(6) 1-5/8" TO 135 FT LEVEL
(1) 3/8" TO 149 FT LEVEL
(3) 3/4" TO 149 FT LEVEL
(6) 1-5/8" TO 149 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1-1/4" TO 127 FT LEVEL
(8) 1-5/8" TO 127 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(6) 1-5/8" TO 118 FT LEVEL
(2) 1-1/4" TO 122 FT LEVEL
Q1
Q2
Q3
Q4

APPENDIX C

ADDITIONAL CALCULATIONS

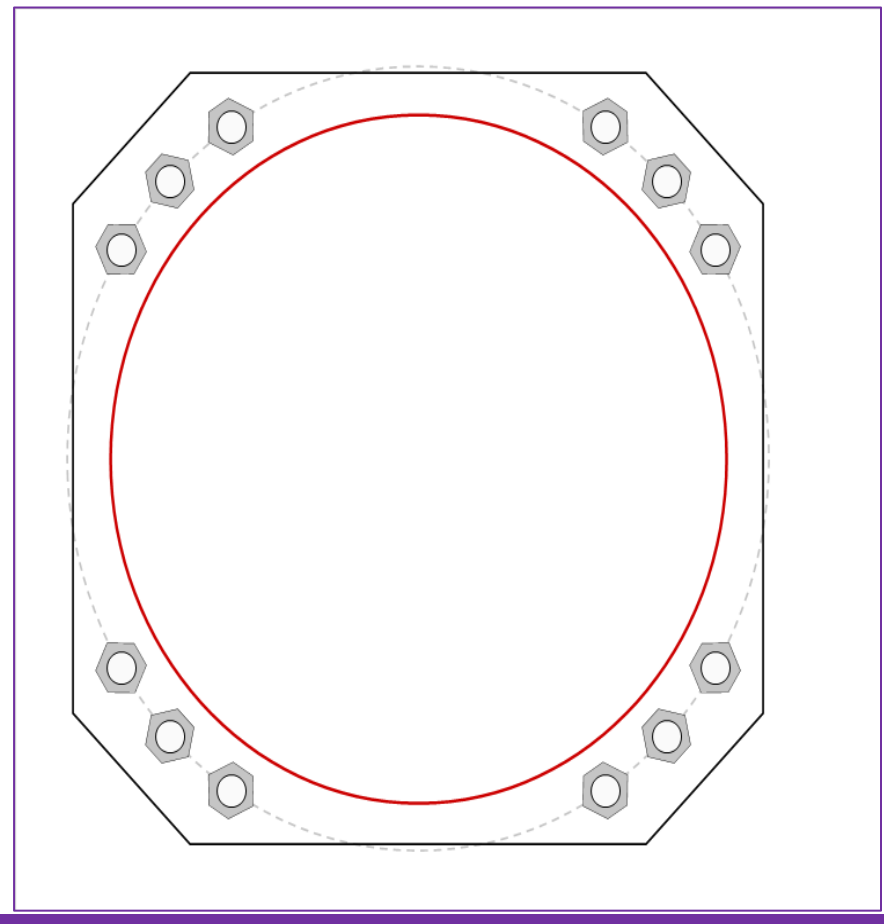
Monopole Base Plate Connection

Site Info	
BU #	845455
Site Name	XFORD-QUAKER FARM
Order #	654621 - Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1

Applied Loads	
Moment (kip-ft)	3182.47
Axial Force (kips)	41.30
Shear Force (kips)	29.53

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(12) 2-1/4" ø bolts (A615-75 X; Fy=75 ksi, Fu=100 ksi) on 54" BC

Anchor Spacing: 6 in

Base Plate Data

53" W x 2.75" Plate (A572-60; Fy=60 ksi, Fu=75 ksi); Clip: 9 in

Stiffener Data

N/A

Pole Data

47.4" x 0.375" 18-sided pole (A607-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary		*(units of kips, kip-in)*
Pu_t = 232.13	ϕPn_t = 243.75	**Stress Rating**
Vu = 2.46	ϕVn = 149.1	**90.7%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary		
Max Stress (ksi):	38.72	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**68.3%**	**Pass**

Pier and Pad Foundation

BU # :	845455
Site Name:	Oxford-Quaker Farı
App. Number:	654621 - Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, **P_{comp}**:	41.33	kips
Base Shear, Vu_comp:	29.48	kips
Moment, **M_u**:	3182.47	ft-kips
Tower Height, **H**:	149	ft
BP Dist. Above Fdn, **bp_{dist}**:	3	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**:	32	
Pier Tie/Spiral Size, **St**:	5	
Pier Tie/Spiral Quantity, **mt**:	10	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, **cc_{pier}**:	3	in

Pad Properties

Depth, **D**:	7.5	ft
Pad Width, **W_1**:	20	ft
Pad Thickness, **T**:	3.5	ft
Pad Rebar Size (Bottom dir. 2), **Sp_2**:	10	
Pad Rebar Quantity (Bottom dir. 2), **mp_2**:	21	
Pad Clear Cover, **cc_{pad}**:	3	in

Material Properties

Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	3	ksi
Dry Concrete Density, **δc**:	150	pcf

Soil Properties

Total Soil Unit Weight, γ:	125	pcf
Ultimate Gross Bearing, Qult:	30.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	36	degrees
SPT Blow Count, **N_{blows}**:	41	
Base Friction, μ:		
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	none	ft

<--Toggle between Gross and Net

Foundation Analysis Checks

	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	286.23	29.48	**9.8%**	**Pass**
Bearing Pressure (ksf)	22.50	4.75	**21.1%**	**Pass**
*Overturning (kip*ft)*	4376.56	3425.68	**78.3%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	7555.51	3315.13	**41.8%**	**Pass**
Pier Compression (kip)	23390.64	81.02	**0.3%**	**Pass**
*Pad Flexure (kip*ft)*	4295.05	1608.92	**35.7%**	**Pass**
Pad Shear - 1-way (kips)	731.44	310.80	**40.5%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.000	**0.0%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	7386.86	1989.08	**25.6%**	**Pass**

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

Structural Rating*:	**41.8%**
Soil Rating*:	**78.3%**

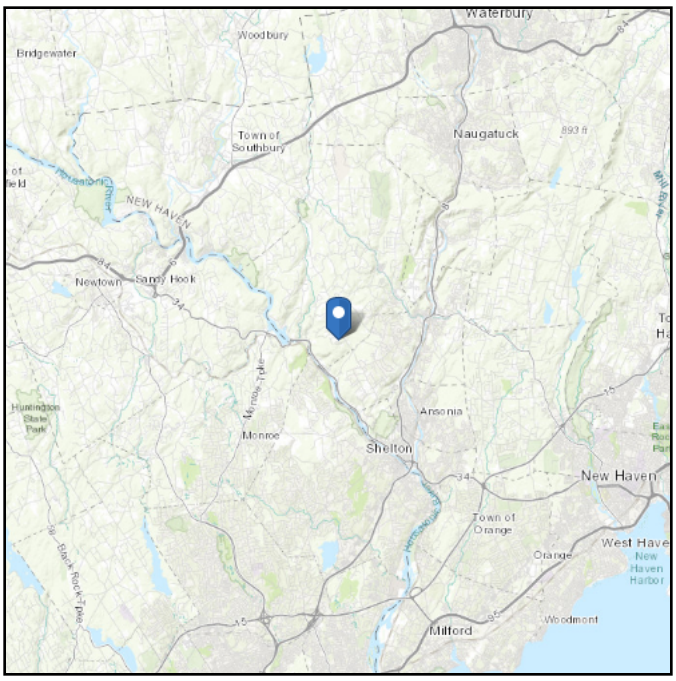
Version 4.1.1

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 607.1 ft (NAVD 88)
Latitude: 41.383989
Longitude: -73.137372



Wind

Results:

Wind Speed	118 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	90 Vmph
100-year MRI	97 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:	Thu Jun 30 2022

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

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

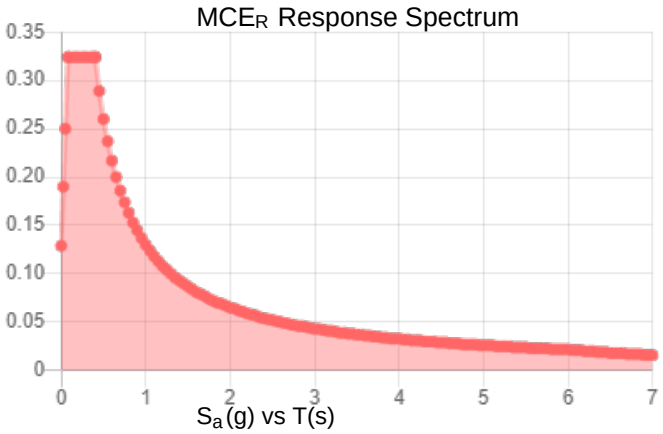
Seismic

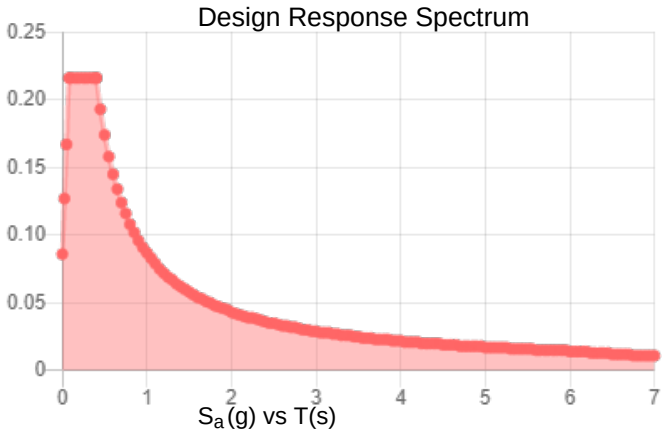
Site Soil Class: D - Default (see Section 11.4.3)

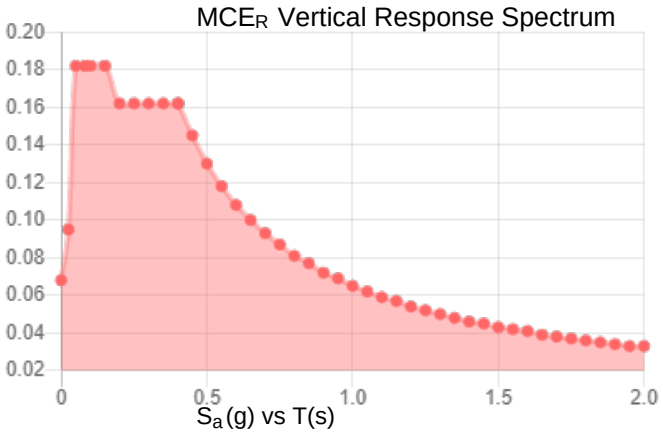
Results:

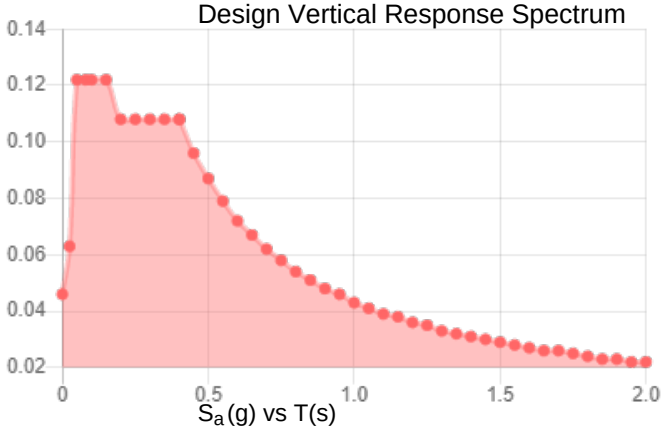
S_S :	0.202	S_{D1} :	0.087
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.113
F_v :	2.4	PGA_M :	0.179
S_{MS} :	0.324	F_{PGA} :	1.573
S_{M1} :	0.13	I_e :	1
S_{DS} :	0.216	C_v :	0.705

Seismic Design Category B









Data Accessed: **Thu Jun 30 2022**

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:	Thu Jun 30 2022

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.

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