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September 13, 2023

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

Re: **Notice of Exempt Modification – Facility Modification**
160 Deer Run Road, Wilton, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at the above-referenced address (the "Property"). Cellco's facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. The tower and Cellco's use of the tower were approved by the Siting Council ("Council") in August of 2006 (Docket No. 308). A copy of the Council's Docket No. 308 Decision and Order is included in Attachment 1.

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

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

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

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

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

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

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

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

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

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Lynne Vanderslice, First Selectwoman
Michael Wrinn, Director of Planning and Land Use Management/Town Planner
Westport Broadcasting Co., LLC Property Owner
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

DOCKET NO. 308 – Westport Broadcasting Co., LLC, Optasite, Inc., and New Cingular Wireless PCS, LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a wireless telecommunications facility located at 160 Deer Run Road, Wilton, Connecticut.	}	Connecticut Siting Council August 31, 2006

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 application, and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Westport Broadcasting Co., LLC (WBC), Optasite, Inc. (Optasite) and New Cingular Wireless PCS, LLC (New Cingular), hereinafter referred to as the Certificate Holder, for a telecommunications facility at 160 Deer Run Road, Wilton, 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 self-supporting lattice tower, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of New Cingular and other entities, both public and private, but such tower shall not exceed a height of 118 feet above ground level. The height at the top of the antennas shall not exceed 122 feet above ground level.

2. Whip antennas that are to be relocated onto the replacement structure shall be combined into shared antennas, where possible.

3. The Certificate Holder shall remove the existing guyed lattice tower upon commencement of operation of the 120-foot self-supporting lattice tower.

4. 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 served on the Town of Wilton for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
    a. a final site plan(s) of site development to include specifications for the tower including a yield point, tower foundation, antennas, expanded equipment compound, radio equipment, placement of cables within the tower, utility line, and landscaping; and
    b. 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.

5. The Certificate Holder shall notify the Council, parties and intervenors in this proceeding within ten business days of receiving notice from the Connecticut Department of Environmental Protection that use of the existing access road will be terminated. At which time the Certificate Holder shall submit a D&M Plan for the new access road extending from Deer Run Road.

6. The Certificate Holder shall, prior to commencement of construction of the new access road, provide the Council, parties and intervenors with a D&M Plan for the new access road, including construction plans for clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

7. 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.

8. 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.

9. 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.

10. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of Wilton public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.

11. If the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), 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. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.

12. If the facility 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.

13. The Certificate Holder shall remove any nonfunctioning antenna, and associated antenna mounting equipment, within 60 days of the date the antenna ceased to function.

14. Any request for extension of the time periods referred to in Conditions 7 & 8 shall be filed with the Council not later than sixty days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list. Any proposed modifications to this Decision and Order shall likewise be so served.

15. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction and the commencement of site operation.

Pursuant to General Statutes § 16-50p, the Council hereby directs 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 Wilton Bulletin, The Norwalk Hour, and The Wilton Villager.

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 parties and intervenors to this proceeding are:

Applicant	**Representatives**
Westport Broadcasting Co., LLC Optasite, Inc. New Cingular Wireless PCS, LLC	Christopher B. Fisher, Esq. Cuddy & Feder LLP 90 Maple Avenue White Plains, NY 10601 Dennis Morrissey, P.E., Esq. 3380 Main Street – Suite 201 Stratford, CT 06614
Party	**Representative**
Wilton Environmental Trust	Keith R. Ainsworth, Esq. Evans Feldman & Boyer, LLC # 101240 261 Bradley Street P.O. Box 1694 New Haven, CT 06507-1694
Party	**Representatives**
Town of Wilton	Carrie L. Larson, Esq. Cohen and Wolf, P.C. 1115 Broad Street Bridgeport, CT 06604 Monte E. Frank, Esq. Cohen and Wolf, P.C. 158 Deer Hill Avenue Danbury, CT 06810

Intervenor

Omnipoint Communications, Inc.
(T-Mobile USA, Inc.)

Representative

Kenneth Ira Spigle
687 Highland Avenue, Suite 1
Needham, MA 02494

Intervenor

Cellco Partnership d/b/a Verizon Wireless (Cellco)

Representative

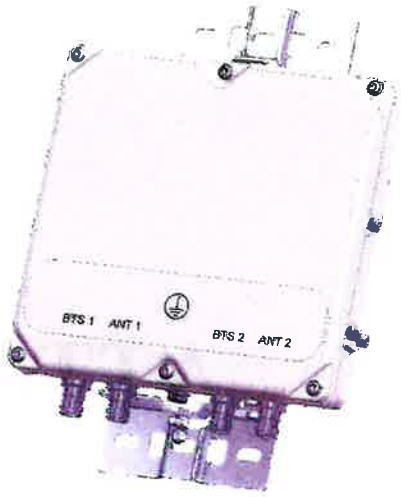
Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597

ATTACHMENT 2

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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



FEATURES

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

TECHNICAL SPECIFICATIONS

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

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

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

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

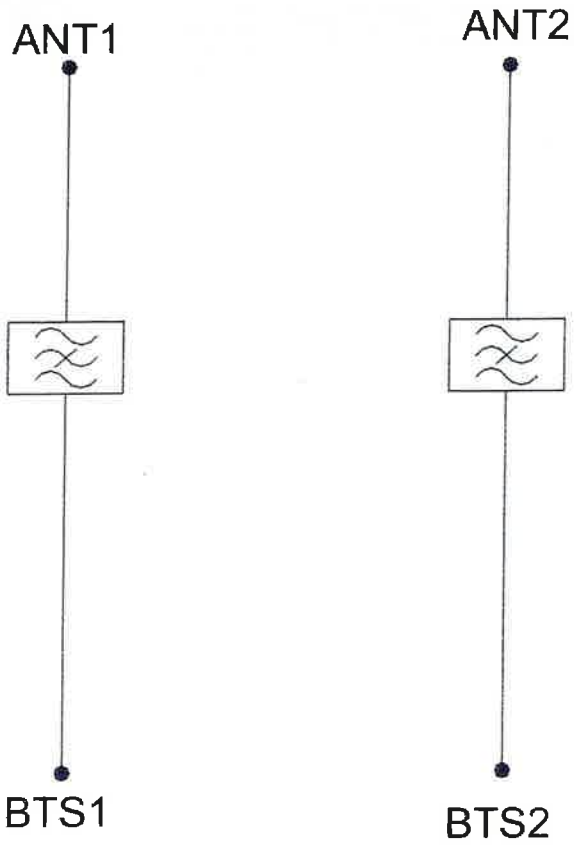
MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm ¦ 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg ¦ 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter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

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

ORDERING INFORMATION

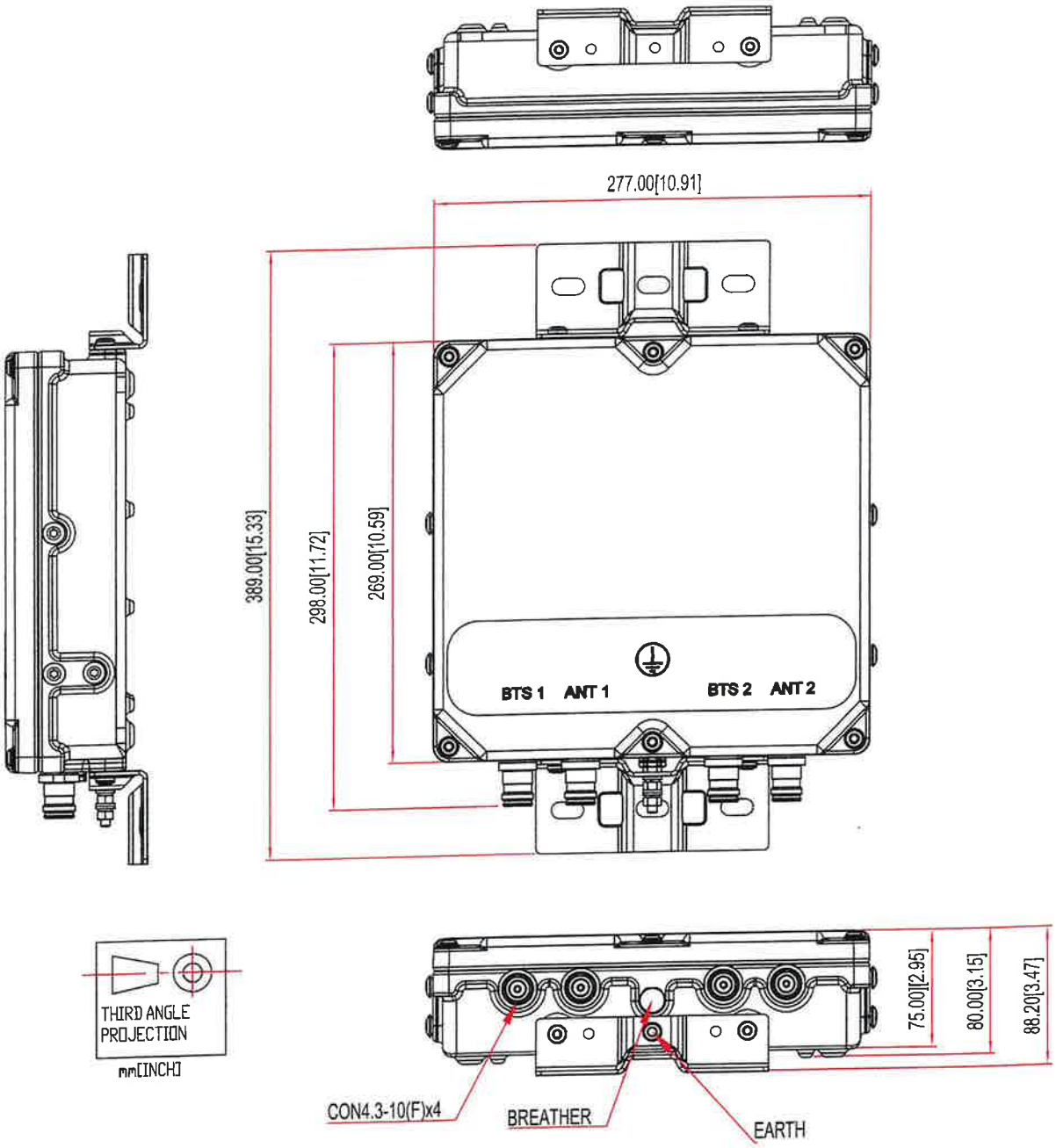
PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
BSF0020F3V1-1	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

ELECTRICAL BLOCK DIAGRAM



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

MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3

FDH INFRASTRUCTURE SERVICES
ENGINEERING INNOVATION

Structural Analysis for SBA Network Services, LLC

120.0' Self-Support Tower w/ 10' Future Extension

Site Name: Wilton CT - Optasite
Site ID: CT98078-L-03
Verizon Site Name: Wilton West CT
Verizon Site ID: 5000382880
Site Address: 160 Deer Run Rd, Wilton, CT 06897

FDH Infrastructure Services, LLC Project Number PR-009478

Analysis Results

Tower Components	82.9%	Sufficient
Foundation	39.1%	Sufficient

Prepared By:

Hailey Hipp, PE
Project Engineer III

Reviewed By:

Krystyn M. Perez, PE
Vice President, Structural Engineering
CT License No. 32975

STATE OF CONNECTICUT
KRYSTYN M. PEREZ
No. 32975
LICENSED PROFESSIONAL ENGINEER
09/06/2023

FDH Infrastructure Services, LLC
6521 Meridien Drive
Raleigh, NC, 27616
(919) 755-1012
Structural@fdh-is.com

September 05, 2023

Prepared pursuant to the ANSI/TIA-222-H Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures and the 2022 Connecticut State Building Code (2021 IBC)

TABLE OF CONTENTS

EXECUTIVE SUMMARY

At the request of SBA Network Services, LLC, FDH Infrastructure Services, LLC performed a structural analysis of the existing 120' Self-Support Tower w/ 10' Future Extension located in Wilton, CT to determine whether the tower is structurally adequate to support the antenna configuration in place per **Table 1** pursuant to the *ANSI/TIA-222-H Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures and the 2022 Connecticut State Building Code (2021 IBC)*. Information pertaining to the antenna loading, current tower geometry, member sizes, and below grade parameters was obtained from:

Source	Document Type	Reference	Date
World Tower	Tower & Foundation Drawings	Drawing No. Q06515	October 16, 2006
JGI Eastern,Inc.	Geotechnical Report	Project No. 06517G	August 31, 2006
FDH Infrastructure Services, LLC	Tower Mapping Report	Project No. 18TBQN1500	December 12, 2018
FDH Infrastructure Services, LLC	Previous Structural Analysis	Project No. PR-007866 (R.1)	June 6, 2022
Pyramid Network Services, LLC	Construction Drawings	Site Name: Deer Run	September 27, 2022
FDH Infrastructure Services, LLC	Mount Analysis	Project No. PR-009159	December 27, 2022
Colliers Engineering & Design	Mount Analysis	Project No. 23777160	July 23, 2023
FDH Infrastructure Services, LLC	Modification Design Drawings	Project No. PR-009191	January 27, 2023
SBA Network Services, LLC	Collocation Application	Application No. 234014, v1	August 3, 2023
SBA Network Services, LLC			

The *ultimate design wind speed* per the *ANSI/TIA-222-H* Standard is 116 mph without ice and a *basic design wind speed* of 50 mph with 1" radial ice. Ice is considered to increase in thickness with height. Furthermore, this structure was analyzed as a Class II structure in Exposure Category B using Topographical Factor of 1 and Spectral Response Accelerations of S_s= 0.243 and S_1= 0.057. This evaluation considers the load modification factors in *Annex S* of *TIA-222-H*.

Conclusions

With the antenna configuration in place per **Table 1** we have determined the tower stress level to be sufficient and the foundation(s) to be sufficient pursuant to the requirements stipulated by *ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures and the 2022 Connecticut State Building Code (2021 IBC)* provided the **Recommendations** listed below are satisfied. For a more detailed description of the analysis of the tower, see the **Results** section of this report.

Our structural analysis has been performed assuming all information provided to FDH Infrastructure Services, LLC is accurate (i.e., the structure member information, tower layout, existing antenna loading, and proposed antenna loading) and that the tower has been properly erected and maintained per the original design drawings.

Recommendations

To ensure the requirements of the current analysis standards are met with the antenna configuration in place per **Table 1**, we have the following recommendations:

1. Feed lines to be installed as shown in **Figure 1** in the **Appendix**.
2. RRU/RRH Stipulation: The equipment may be installed in any arrangement as determined by the client.
3. Modifications listed in the FDH Infrastructure Services, LLC Modification Drawings for a 130' Self-Support Tower (FDH-IS Project No. PR-009191) dated January 27, 2023 must be properly installed per the referenced drawings for this analysis to be considered valid.

APPURTENANCE LISTING

The antennas and equipment, with their corresponding feed lines, considered for this analysis are shown in **Table 1.** *If the actual layout determined in the field deviates from the layout, FDH Infrastructure Services, LLC should be contacted to perform a revised analysis.*

Table 1 - Appurtenance Loading

Existing Loading:

Antenna Elevation (ft)	Description	Feed Lines	Carrier	Mount Elevation (ft)	Mount Type
130.0	(3) RFI BPA7496-180-14 (1) TXRX 432F-83W-01-T	(3) 1-5/8" (1) 1/2"	Town of Wilton	128.0	(1) 12.5' Sector Frame [Site Pro 1 P/N: VFA12-SD-S]
	(2) 3" Ø x 12'Omni	(2) 7/8"	-		(2) 6'Side Arm [Site Pro 1 P/N: PSA6]
123.0	(1) Commscope VHLP3-11W	(1) EW90	Town of Wilton	123.0	(1) Pipe Mount
118.0	(3) Ericsson AIR6449 B41 (3) Ericsson AIR32 KRD901146-1_B66A_B2A (Octo) (3) RFS APXVAALL24-43-U-NA20 (3) Commscope SDX1926Q-43 (E14F05P86) (3) Ericsson KRY 112 71 (3) Ericsson Radio 4449 B71+B85 (3) Ericsson Radio 4415 B25	(7) 1-5/8" (6) Fiber	T-Mobile	118.0	(3) Sector Mounts [Sitepro1 P/N: VFA12-HD]
110.0	(3) Powerwave 7770 (3) Kathrein 800-10965 (3) Powerwave P65-16-XLH-RR (3) CCI OPA65R-BU6DA (6) Powerwave LGP 21401 (3) Powerwave TT19-08BP111-001 (3) Ericsson RRUS-11 (3) Ericsson RRUS 4478 B5 (3) Ericsson RRUS 4415 B25 (3) Ericsson RRUS 4478 B14 (2) Raycap DC6-48-60-18-8F	(12) 1-5/8" (4) 3/4" DC (2) 3/8" Fiber (2) 3/8" Alarm Cables (1) 3" Flex	AT&T	110.0	(3) 12' Sector Mounts [Sabre P/N: C10857001C]
98.0	(3) Amphenol BXA-80090/8 (6) JMA MX06FRO660-03 (3) Samsung MT6407-77A (3) Samsung RF4440d-13A (3) Samsung RF4439d-25A (2) Raycap RRFDC-3315-PF-48	(6) 1-5/8" (2) Hybrid	Verizon	96.0	(3) 10'x2' T-Frames
57.0	(1) Scala PR-850	(1) 7/8"	Sprint	57.0	Direct
	(1) Scala PR-850	(2) 7/8"		55.0	(1) 1.9"x9.8' Pipe Mount
51.0	(1) Scala PR-850				

Proposed Carrier Final Loading:

Antenna Elevation (ft)	Description	Feed Lines	Carrier	Mount Elevation (ft)	Mount Type
98.0	(3) Amphenol BXA-80090/8 (6) JMA MX06FRO660-03 (3) Samsung MT6407-77A (3) Samsung RF4440d-13A (3) Samsung RF4439d-25A (2) Raycap RRFDC-3315-PF-48 (2) Kaelus KA-6030	(6) 1-5/8" (2) Hybrid	Verizon	96.0	(3) 10'x2' T-Frames

RESULTS

The following material grades for individual members were used for analysis:

Table 2 - Material Grade

Member Type	Material Grade
Legs	A572-50
Bracing	A36 & A572-50
Anchor Rods	A449

Table 3 and **Table 4** display the summary of capacities for the analyzed structure and its additional components. Values greater than 100% indicate locations where the maximum force in the member exceeds its capacity. **Table 5** displays the maximum dish rotations at service winds speeds.

If the assumptions outlined in this report differ from actual field conditions, FDH Infrastructure Services, LLC should be contacted to perform a revised analysis. Furthermore, as no information pertaining to the allowable twist and sway requirements for the appurtenances was provided, deflection and rotation were not taken into consideration when performing this analysis.

See the **Appendix** for detailed modeling information.

Table 3 - Structure Member Capacities

Section No	Elevation (ft.)	Component Type	Size	% Capacity[1]	Pass / Fail
T1	130 - 120	Leg	1 3/4	13.1	Pass
T2	120 - 115	Leg	1 3/4	24.1	Pass
T3	115 - 110	Leg	1 3/4	45.6	Pass
T4	110 - 105	Leg	1 3/4	76.8	Pass
T5	105 - 100	Leg	1 3/4	41.4	Pass
T6	100 - 80	Leg	2 1/2	75.4	Pass
T7	80 - 60	Leg	2 3/4	77.7	Pass
T8	60 - 40	Leg	3	76.4	Pass
T9	40 - 20	Leg	3 1/4	72.6	Pass
T10	20 - 0	Leg	3 1/2	67.2	Pass
T1	130 - 120	Diagonal	L2x2x1/4	7.2 12.7 (b)	Pass
T2	120 - 115	Diagonal	L2x2x3/16	13.5 28.7 (b)	Pass
T3	115 - 110	Diagonal	L2x2x3/16	18.3 36.9 (b)	Pass
T4	110 - 105	Diagonal	L2x2x3/16	26.3 54.0 (b)	Pass
T5	105 - 100	Diagonal	L2x2x3/16	28.4 57.3 (b)	Pass
T6	100 - 80	Diagonal	L2x2x3/16	45.0 82.9 (b)	Pass
T7	80 - 60	Diagonal	L2x2x3/16	32.1 55.0 (b)	Pass
T8	60 - 40	Diagonal	L2x2x3/16	46.1 54.1 (b)	Pass
T9	40 - 20	Diagonal	L3x3x1/4	28.8 45.9 (b)	Pass
T10	20 - 0	Diagonal	L3x3x1/4	32.3 43.0 (b)	Pass
T5	105 - 100	Secondary Horizontal	L2x2x1/4	2.3 5.7 (b)	Pass

Section No	Elevation (ft)	Component Type	Size	% Capacity[1]	Pass / Fail
T9	40 - 20	Secondary Horizontal	L2x2x1/8	48.4 63.1 (b)	Pass
T10	20 - 0	Secondary Horizontal	L2x2x1/8	70.9	Pass
T1	130 - 120	Top Girt	L2x2x1/4	1.3	Pass
T2	120 - 115	Top Girt	L2x2x1/8	9.7 11.6 (b)	Pass
T7	80 - 60	Top Girt	L2x2x1/8	35.0 42.6 (b)	Pass

1. Seismic loads do not control the section capacities.

Table 4 – Additional Structure Component Capacities

Elevation (ft)	Component	% Capacity	Pass / Fail	Notes
0	Anchor Rods	54.6	Pass	1
0	Base Foundation (Soil Interaction)	39.1	Pass	1
0	Base Foundation (Structural)	34.4	Pass	1

1. Seismic loads do not control the section capacities.

Table 5 - Maximum Dish Rotations at Service Wind Speeds

Centerline Elevation (ft)	Dish	Tilt (deg)*	Twist (deg)*
123.0	(1) Commscope VHLP3-11W	0.2371	0.0667
57.0	(2) Scala PR-850	0.1129	0.0226
51.0	(1) Scala PR-850	0.0986	0.0183

*Allowable tilt and twist to be reviewed by the carrier

GENERAL COMMENTS

This engineering analysis is based upon the theoretical capacity of the structure. It is not a condition assessment of the tower and its foundation. It is the responsibility of SBA Network Services, LLC to verify that the tower modeled and analyzed is the correct structure (with accurate antenna loading information) modeled. If there are substantial modifications to be made or the assumptions made in this analysis are not accurate, FDH Infrastructure Services, LLC should be notified immediately to perform a revised analysis.

LIMITATIONS

All opinions and conclusions are considered accurate to a reasonable degree of engineering certainty based upon the evidence available at the time of this report. All opinions and conclusions are subject to revision based upon receipt of new or additional/updated information. All services are provided exercising a level of care and diligence equivalent to the standard and care of our profession. No other warranty or guarantee, expressed or implied, is offered. Our services are confidential in nature and we will not release this report to any other party without the client's consent. The use of this engineering work is limited to the express purpose for which it was commissioned and it may not be reused, copied, or distributed for any other purpose without the written consent of FDH Infrastructure Services, LLC.

APPENDIX

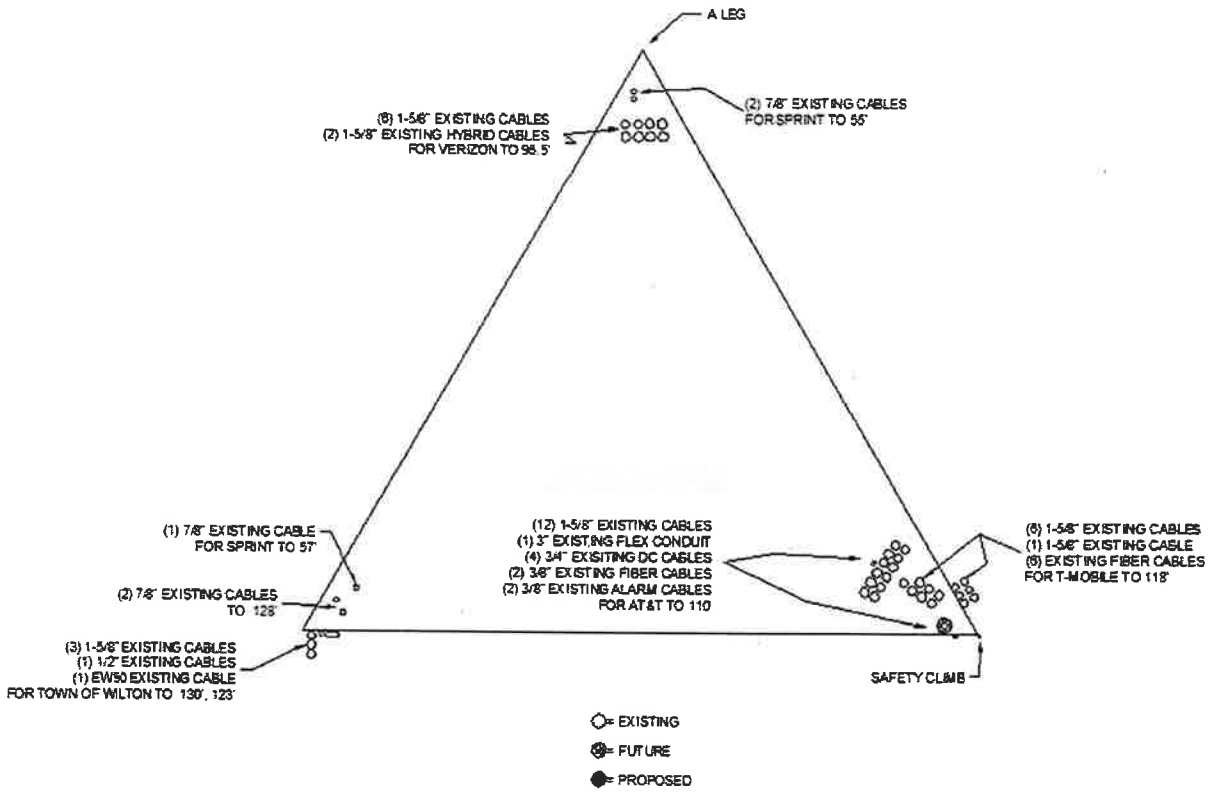
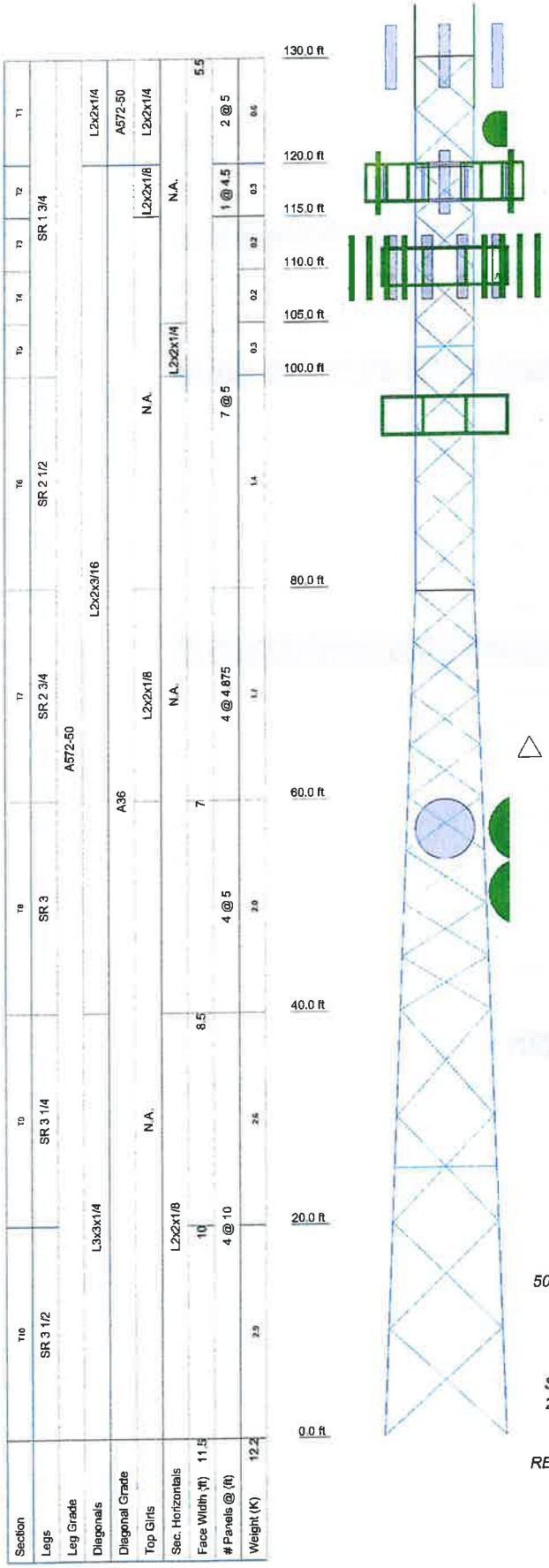


Figure 1- Assumed Feed Line Layout



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod	130	(2) LGP21401 TMA	110
3"x12' Omni	128	(2) LGP21401 TMA	110
3"x12' Omni	128	(2) LGP21401 TMA	110
6' Side Arm [Site Pro 1 P/N: PSA6]	128	TT19-08BP111-001	110
6' Side Arm [Site Pro 1 P/N: PSA6]	128	TT19-08BP111-001	110
(3) BPA7496-180-14 w/Mount Pipe	128	TT19-08BP111-001	110
432F-83W-01-T	128	RRUS-11	110
12' Standard Duty V-Frame [Site Pro1 P/N: VFA12-SD-S]	128	RRUS-11	110
		RRUS-11	110
Pipe Mount	123	RRUS 4478 B5	110
VHLP3-11W	123	RRUS 4478 B5	110
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	118	RRUS 4478 B5	110
APXVAALL24_43-U-NA20 w/ Mount Pipe	118	RRUS 4415 B25	110
		RRUS 4415 B25	110
APXVAALL24_43-U-NA20 w/ Mount Pipe	118	RRUS 4415 B25	110
		DC6-48-60-18-8F	110
APXVAALL24_43-U-NA20 w/ Mount Pipe	118	DC6-48-60-18-8F	110
		(3) 12' Sector Mounts [Sabre C10857001C]	110
4449 B71 + B85	118	OPA65R-BU6DA w/ Mount Pipe	110
4449 B71 + B85	118	OPA65R-BU6DA w/ Mount Pipe	110
4449 B71 + B85	118	OPA65R-BU6DA w/ Mount Pipe	110
4415 B25	118	RRUS 4478 B14	110
4415 B25	118	RRUS 4478 B14	110
4415 B25	118	(2) MX06FRO660-03_TIA w/ Mount Pipe	96
SDX1926Q-43	118	BXA-80090-8CF-EDIN-X w/ Mount Pipe	96
SDX1926Q-43	118	BXA-80090-8CF-EDIN-X w/ Mount Pipe	96
SDX1926Q-43	118	BXA-80090-8CF-EDIN-X w/ Mount Pipe	96
KRY 112 71	118	RF4439d-25A	96
KRY 112 71	118	RF4439d-25A	96
KRY 112 71	118	RF4439d-25A	96
Sector Frame (SitePro 1 P/N: VFA12-HD)	118	RF4440d-13A	96
		RF4440d-13A	96
Sector Frame (SitePro 1 P/N: VFA12-HD)	118	RF4440d-13A	96
		RRFDC-3315-PF-48	96
Sector Frame (SitePro 1 P/N: VFA12-HD)	118	RRFDC-3315-PF-48	96
		(3) 10' x 2' T-Arms	96
Air 6449 B41 w/ Pipe Mount	118	(2) KA-6030	96
Air 6449 B41 w/ Pipe Mount	118	MT6407-77A w/Mount Pipe	96
Air 6449 B41 w/ Pipe Mount	118	MT6407-77A w/Mount Pipe	96
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	118	MT6407-77A w/Mount Pipe	96
		(2) MX06FRO660-03_TIA w/ Mount Pipe	96
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	118	(2) MX06FRO660-03_TIA w/ Mount Pipe	96
		PR-850	57
RRUS 4478 B14	110	PR-850	55
7770 w/Mount Pipe	110	PR-850	55
7770 w/Mount Pipe	110	1.9"Ø x 9.8' Pipe Mount	55
7770 w/Mount Pipe	110		
800 10965 w/ Mount Pipe	110		
800 10965 w/ Mount Pipe	110		
800 10965 w/ Mount Pipe	110		
P65-16-XLH-RR w/ Mount Pipe	110		
P65-16-XLH-RR w/ Mount Pipe	110		
P65-16-XLH-RR w/ Mount Pipe	110		

ALL REAC
ARE FAC

MAX. CO
DOWN
SHEAR

UPLIFT
SHEAR

AXIA
64 K

SHEAR
6 K

TORQUE
50 mph WIND -

AXIA
36 K

SHEAR
24 K

MOMENT
1951 kip-ft

TORQUE 15 kip-ft
REACTIONS - 116 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

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

FDH INFRASTRUCTURE SERVICES
FDH-IS
FDH Infrastructure Services, LLC
6521 Meridien Drive
Raleigh, North Carolina 27616
Phone: (919) 755-1012
FAX: (919) 755-1031

Job: CT98078-L-03_ Wilton CT - Optasite			
Project: PR-009478			
Client: SBA	Drawn by: Hailey Hipp	App'd:	
Code: TIA-222-H	Date: 09/05/23	Scale: NTS	
Path:		Dwg No. E-1	

BU:		Structure:	A
WO:			
Order:		Rev:	

Location

	Decimal Degrees		Deg	Min	Sec
Lat:	41.241389	+	41	14	29.00
Long:	-73.469889	-	73	28	11.60

Code and Site Parameters

Seismic Design Code:	TIA-222-H	
Site Soil:	D (Default)	Default
Risk Category:	II	

USGS Seismic Reference			
	S_S:	0.2430	g
	S_1:	0.0570	g
	T_L:	6	s

Seismic Design Category Determination

Importance Factor, I_e:	1
Acceleration-based site coefficient, F_a:	1.6000
Velocity-based site coefficient, F_v:	2.4000

Design spectral response acceleration short period, S_{DS}:	0.2592	g
Design spectral response acceleration 1 s period, S_{D1}:	0.0912	g

Seismic Design Category Based on S_{DS}:	B
Seismic Design Category Based on S_{D1}:	B
Seismic Design Category Based on S_1:	N/A
Controlling Seismic Design Category:	B

BU:		Structure:	A
WO:			
Order:		Rev:	

Tower Details

Tower Type:	Self-Support		
Height, h:	130	ft	
Effective Seismic Weight, W:	29.69	kips	
Amplification Factor, A_s:	1.0		2.7.8.1

Seismic Base Shear

Response Modification Factor, R:	3		
w_a:	7.3462	ft	
w_0:	11.5000	ft	
W_1:	16.5694	kips	
Weight of Structure and Appurtenances within top 5%, W_2:	1.2467	kips	
K_t:	4540	ft	
F_a:	1.9032	hz	
Approximate Fundamental Period Self-Support, T_a:	0.5254	s	2.7.7.1.3.2
Seismic Response Coefficient, C_s	0.0864		2.7.7.1.1
Seismic Response Coefficient Max 1, C_{smax}	0.0579		2.7.7.1.1
Seismic Response Coefficient Max 2, C_{smax}	N/A		2.7.7.1.1
Seismic Response Coefficient Min 1, C_{smin}	0.0300		2.7.7.1.1
Seismic Response Coefficient Min 2, C_{smin}	N/A		2.7.7.1.1
Controlling Seismic Response Coefficient, C_{sc}	0.0579		
Seismic Base Shear, V	1.718	kips	2.7.7.1.1

Vertical Distribution Factors

Period Related Exponent, k:	1.013	2.7.7.1.2
Sum of $w_i h_i^k$	2373.72	2.7.7.1.2

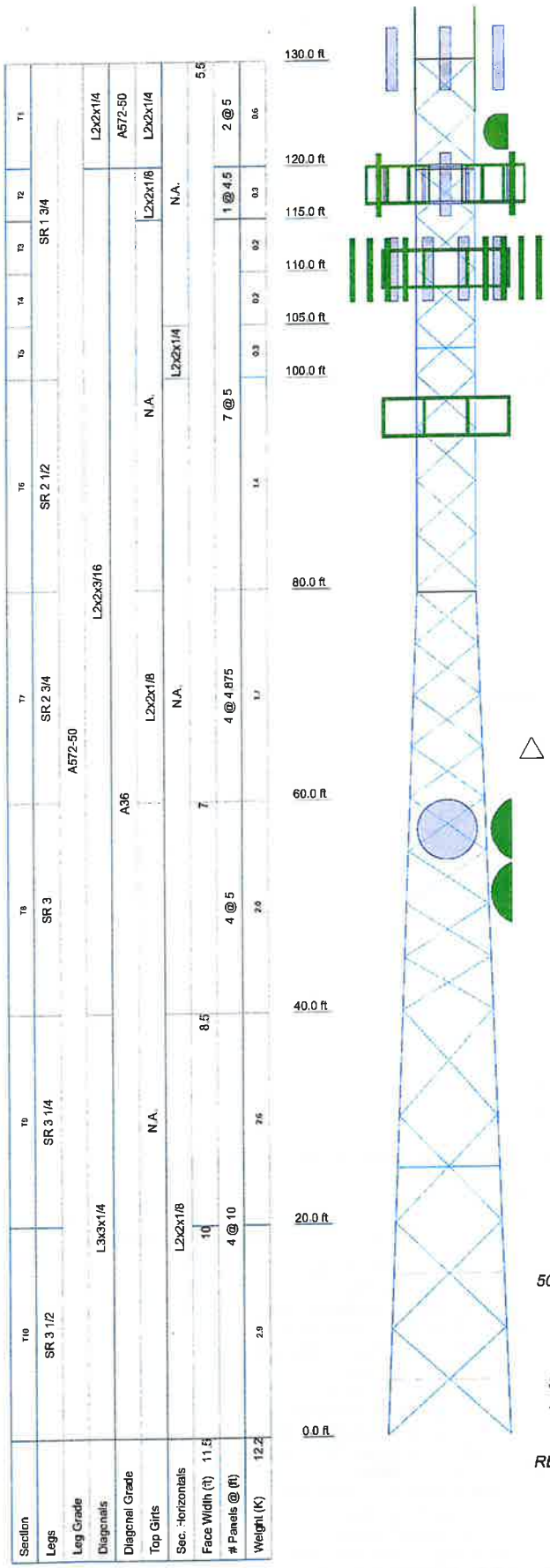
Tower Section Loads								
Section Number	Length	Top Height	Mid Height, h_i	Section Weight, w_i	$w_i h_i^k$	C_{si}	F_{ai}	F_{vi}
1	10.00	130.00	125.00	0.5829	77.48	0.0326	0.0561	0.0302
2	5.00	120.00	117.50	0.2537	31.67	0.0133	0.0229	0.0132
3	5.00	115.00	112.50	0.2313	27.63	0.0116	0.0200	0.0120
4	5.00	110.00	107.50	0.2313	26.39	0.0111	0.0191	0.0120
5	5.00	105.00	102.50	0.2839	30.87	0.0130	0.0223	0.0147
6	20.00	100.00	90.00	1.4362	136.88	0.0577	0.0991	0.0745
7	20.00	80.00	70.00	1.7052	125.99	0.0531	0.0912	0.0884
8	20.00	60.00	50.00	1.9833	104.22	0.0439	0.0754	0.1028
9	20.00	40.00	30.00	2.5879	81.07	0.0342	0.0587	0.1342
10	20.00	20.00	10.00	2.9359	30.23	0.0127	0.0219	0.1522
			Sum	[illegible]	[illegible]			

Discrete Loads						
Name	h_i	w_i	$w_i h_i^k$	C_{ri}	F_{ph}	F_{pv}
lightning rod Lightning Rod	130.00	0.0300	4.15	0.0017	0.0030	0.0016
omni 3"x12' Omni	128.00	0.0300	4.08	0.0017	0.0030	0.0016
omni 3"x12' Omni	128.00	0.0300	4.08	0.0017	0.0030	0.0016
6' Side Arm [Site Pro 1 P/N: PSA6]	128.00	0.0530	7.22	0.0030	0.0052	0.0027
6' Side Arm [Site Pro 1 P/N: PSA6]	128.00	0.0530	7.22	0.0030	0.0052	0.0027
ericsson Air 6449 B41 w/ Pipe Mount	118.00	0.1000	12.54	0.0053	0.0091	0.0052
ericsson Air 6449 B41 w/ Pipe Mount	118.00	0.1000	12.54	0.0053	0.0091	0.0052
ericsson Air 6449 B41 w/ Pipe Mount	118.00	0.1000	12.54	0.0053	0.0091	0.0052
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	118.00	0.1500	18.81	0.0079	0.0136	0.0078
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	118.00	0.1500	18.81	0.0079	0.0136	0.0078
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	118.00	0.1500	18.81	0.0079	0.0136	0.0078
APXVAALL24_43-U-NA20 w/ Mount Pipe	118.00	0.1862	23.34	0.0098	0.0169	0.0097
APXVAALL24_43-U-NA20 w/ Mount Pipe	118.00	0.1862	23.34	0.0098	0.0169	0.0097
APXVAALL24_43-U-NA20 w/ Mount Pipe	118.00	0.1862	23.34	0.0098	0.0169	0.0097
4449 B71 + B85	118.00	0.0700	8.78	0.0037	0.0064	0.0036
4449 B71 + B85	118.00	0.0700	8.78	0.0037	0.0064	0.0036
4449 B71 + B85	118.00	0.0700	8.78	0.0037	0.0064	0.0036
ericsson 4415 B25	118.00	0.0600	7.52	0.0032	0.0054	0.0031
ericsson 4415 B25	118.00	0.0600	7.52	0.0032	0.0054	0.0031
ericsson 4415 B25	118.00	0.0600	7.52	0.0032	0.0054	0.0031
commscope SDX1926Q-43	118.00	0.0061	0.76	0.0003	0.0006	0.0003
commscope SDX1926Q-43	118.00	0.0061	0.76	0.0003	0.0006	0.0003
commscope SDX1926Q-43	118.00	0.0061	0.76	0.0003	0.0006	0.0003
ericsson KRY 112 71	118.00	0.0200	2.51	0.0011	0.0018	0.0010
ericsson KRY 112 71	118.00	0.0200	2.51	0.0011	0.0018	0.0010
ericsson KRY 112 71	118.00	0.0200	2.51	0.0011	0.0018	0.0010
Sector Frame (SitePro 1 P/N: VFA12-HD)	118.00	0.6580	82.50	0.0348	0.0597	0.0341
Sector Frame (SitePro 1 P/N: VFA12-HD)	118.00	0.6580	82.50	0.0348	0.0597	0.0341
Sector Frame (SitePro 1 P/N: VFA12-HD)	118.00	0.6580	82.50	0.0348	0.0597	0.0341
OPA65R-BU6DA w/ Mount Pipe	110.00	0.0889	10.38	0.0044	0.0075	0.0046
OPA65R-BU6DA w/ Mount Pipe	110.00	0.0889	10.38	0.0044	0.0075	0.0046
OPA65R-BU6DA w/ Mount Pipe	110.00	0.0889	10.38	0.0044	0.0075	0.0046
ericsson RRUS 4478 B14	110.00	0.0600	7.01	0.0030	0.0051	0.0031
ericsson RRUS 4478 B14	110.00	0.0600	7.01	0.0030	0.0051	0.0031
ericsson RRUS 4478 B14	110.00	0.0600	7.01	0.0030	0.0051	0.0031
powerwave 7770 w/Mount Pipe	110.00	0.0700	8.17	0.0034	0.0059	0.0036
powerwave 7770 w/Mount Pipe	110.00	0.0700	8.17	0.0034	0.0059	0.0036
powerwave 7770 w/Mount Pipe	110.00	0.0700	8.17	0.0034	0.0059	0.0036
kathrein 800 10965 w/ Mount Pipe	110.00	0.1400	16.35	0.0069	0.0118	0.0073
kathrein 800 10965 w/ Mount Pipe	110.00	0.1400	16.35	0.0069	0.0118	0.0073
kathrein 800 10965 w/ Mount Pipe	110.00	0.1400	16.35	0.0069	0.0118	0.0073
powerwave P65-16-XLH-RR w/ Mount Pipe	110.00	0.0800	9.34	0.0039	0.0068	0.0041
powerwave P65-16-XLH-RR w/ Mount Pipe	110.00	0.0800	9.34	0.0039	0.0068	0.0041
powerwave P65-16-XLH-RR w/ Mount Pipe	110.00	0.0800	9.34	0.0039	0.0068	0.0041
(2) powerwave LGP21401 TMA	110.00	0.0400	4.67	0.0020	0.0034	0.0021
(2) powerwave LGP21401 TMA	110.00	0.0400	4.67	0.0020	0.0034	0.0021
(2) powerwave LGP21401 TMA	110.00	0.0400	4.67	0.0020	0.0034	0.0021
powerwave TT19-08BP111-001	110.00	0.0200	2.34	0.0010	0.0017	0.0010
powerwave TT19-08BP111-001	110.00	0.0200	2.34	0.0010	0.0017	0.0010
powerwave TT19-08BP111-001	110.00	0.0200	2.34	0.0010	0.0017	0.0010
ericsson RRUS-11	110.00	0.0600	7.01	0.0030	0.0051	0.0031
ericsson RRUS-11	110.00	0.0600	7.01	0.0030	0.0051	0.0031
ericsson RRUS-11	110.00	0.0600	7.01	0.0030	0.0051	0.0031
ericsson RRUS 4478 B5	110.00	0.0600	7.01	0.0030	0.0051	0.0031
ericsson RRUS 4478 B5	110.00	0.0600	7.01	0.0030	0.0051	0.0031
ericsson RRUS 4478 B5	110.00	0.0600	7.01	0.0030	0.0051	0.0031
ericsson RRUS 4415 B25	110.00	0.0400	4.67	0.0020	0.0034	0.0021
ericsson RRUS 4415 B25	110.00	0.0400	4.67	0.0020	0.0034	0.0021
ericsson RRUS 4415 B25	110.00	0.0400	4.67	0.0020	0.0034	0.0021
raycap DC6-48-60-18-8F	110.00	0.0300	3.50	0.0015	0.0025	0.0016
raycap DC6-48-60-18-8F	110.00	0.0300	3.50	0.0015	0.0025	0.0016
(3) 12' Sector Mounts [Sabre C10857001C]	110.00	1.5000	175.17	0.0738	0.1268	0.0778
samsung MT6407-77A w/Mount Pipe	96.00	0.1100	11.19	0.0047	0.0081	0.0057
samsung MT6407-77A w/Mount Pipe	96.00	0.1100	11.19	0.0047	0.0081	0.0057
samsung MT6407-77A w/Mount Pipe	96.00	0.1100	11.19	0.0047	0.0081	0.0057
(2) jma wireless MX06FRO660-03_TIA w/ Mount Pipe	96.00	0.2000	20.35	0.0086	0.0147	0.0104
(2) jma wireless MX06FRO660-03_TIA w/ Mount Pipe	96.00	0.2000	20.35	0.0086	0.0147	0.0104
(2) jma wireless MX06FRO660-03_TIA w/ Mount Pipe	96.00	0.2000	20.35	0.0086	0.0147	0.0104
antel BXA-80090-8CF-EDIN-X w/ Mount Pipe	96.00	0.0600	6.10	0.0026	0.0044	0.0031
antel BXA-80090-8CF-EDIN-X w/ Mount Pipe	96.00	0.0600	6.10	0.0026	0.0044	0.0031
antel BXA-80090-8CF-EDIN-X w/ Mount Pipe	96.00	0.0600	6.10	0.0026	0.0044	0.0031
samsung RF4439d-25A	96.00	0.0700	7.12	0.0030	0.0052	0.0036
samsung RF4439d-25A	96.00	0.0700	7.12	0.0030	0.0052	0.0036
samsung RF4439d-25A	96.00	0.0700	7.12	0.0030	0.0052	0.0036
samsung RF4440d-13A	96.00	0.0700	7.12	0.0030	0.0052	0.0036
samsung RF4440d-13A	96.00	0.0700	7.12	0.0030	0.0052	0.0036
samsung RF4440d-13A	96.00	0.0700	7.12	0.0030	0.0052	0.0036
raycap RRFDC-3315-PF-48	96.00	0.0300	3.05	0.0013	0.0022	0.0016
raycap RRFDC-3315-PF-48	96.00	0.0300	3.05	0.0013	0.0022	0.0016
(3) 10' x 2' T-Arms	96.00	1.7400	177.03	0.0746	0.1281	0.0902
(2) kaelus KA-6030	96.00	0.0400	4.07	0.0017	0.0029	0.0021

1.9"Ø x 9.8' Pipe Mount	55.00	0.0200	1.16	0.0005	0.0008	0.0010
(3) rfi antennas BPA7496-180-14 w/Mount Pipe	128.00	0.2100	28.59	0.0120	0.0207	0.0109
432F-83W-01-T	128.00	0.0100	1.36	0.0006	0.0010	0.0005
12' Standard Duty V-Frame (Site Pro1 P/N: VFA12-SD-S)	128.00	0.4300	58.54	0.0247	0.0424	0.0223
Pipe Mount	123.00	0.0400	5.23	0.0022	0.0038	0.0021
scala PR-850	57.00	0.0400	2.40	0.0010	0.0017	0.0021
scala PR-850	55.00	0.0400	2.32	0.0010	0.0017	0.0021
scala PR-850	55.00	0.0400	2.32	0.0010	0.0017	0.0021
commscope VHLP3-11W	123.00	0.0500	6.54	0.0028	0.0047	0.0026
	Sum	[illegible]	[illegible]			

Linear Loads								
Name	Start Height	End Height	h_i	w_i	$w_i h_i^k$	C_{vi}	F_{ph}	F_{pv}
miscl Safety Line 3/8 From 0 to 118	115.00	118.00	116.50	0.0007	0.08	0.0000	0.0001	0.0000
miscl Safety Line 3/8 From 0 to 118	110.00	115.00	112.50	0.0011	0.13	0.0001	0.0001	0.0001
miscl Safety Line 3/8 From 0 to 118	105.00	110.00	107.50	0.0011	0.13	0.0001	0.0001	0.0001
miscl Safety Line 3/8 From 0 to 118	100.00	105.00	102.50	0.0011	0.12	0.0001	0.0001	0.0001
miscl Safety Line 3/8 From 0 to 118	80.00	100.00	90.00	0.0044	0.42	0.0002	0.0003	0.0002
miscl Safety Line 3/8 From 0 to 118	60.00	80.00	70.00	0.0044	0.33	0.0001	0.0002	0.0002
miscl Safety Line 3/8 From 0 to 118	40.00	60.00	50.00	0.0044	0.23	0.0001	0.0002	0.0002
miscl Safety Line 3/8 From 0 to 118	20.00	40.00	30.00	0.0044	0.14	0.0001	0.0001	0.0002
miscl Safety Line 3/8 From 0 to 118	0.00	20.00	10.00	0.0044	0.05	0.0000	0.0000	0.0002
(7) 1-5/8" From 0 to 118	115.00	118.00	116.50	0.0172	2.13	0.0009	0.0015	0.0009
(7) 1-5/8" From 0 to 118	110.00	115.00	112.50	0.0287	3.43	0.0014	0.0025	0.0015
(7) 1-5/8" From 0 to 118	105.00	110.00	107.50	0.0287	3.27	0.0014	0.0024	0.0015
(7) 1-5/8" From 0 to 118	100.00	105.00	102.50	0.0287	3.12	0.0013	0.0023	0.0015
(7) 1-5/8" From 0 to 118	80.00	100.00	90.00	0.1148	10.94	0.0046	0.0079	0.0060
(7) 1-5/8" From 0 to 118	60.00	80.00	70.00	0.1148	8.48	0.0036	0.0061	0.0060
(7) 1-5/8" From 0 to 118	40.00	60.00	50.00	0.1148	6.03	0.0025	0.0044	0.0060
(7) 1-5/8" From 0 to 118	20.00	40.00	30.00	0.1148	3.60	0.0015	0.0026	0.0060
(7) 1-5/8" From 0 to 118	0.00	20.00	10.00	0.1148	1.18	0.0005	0.0009	0.0060
(6) heliax-hj 1-5/8" From 0 to 118	115.00	118.00	116.50	0.0148	1.83	0.0008	0.0013	0.0008
(6) heliax-hj 1-5/8" From 0 to 118	110.00	115.00	112.50	0.0246	2.94	0.0012	0.0021	0.0013
(6) heliax-hj 1-5/8" From 0 to 118	105.00	110.00	107.50	0.0246	2.81	0.0012	0.0020	0.0013
(6) heliax-hj 1-5/8" From 0 to 118	100.00	105.00	102.50	0.0246	2.67	0.0011	0.0019	0.0013
(6) heliax-hj 1-5/8" From 0 to 118	80.00	100.00	90.00	0.0984	9.38	0.0040	0.0068	0.0051
(6) heliax-hj 1-5/8" From 0 to 118	60.00	80.00	70.00	0.0984	7.27	0.0031	0.0053	0.0051
(6) heliax-hj 1-5/8" From 0 to 118	40.00	60.00	50.00	0.0984	5.17	0.0022	0.0037	0.0051
(6) heliax-hj 1-5/8" From 0 to 118	20.00	40.00	30.00	0.0984	3.08	0.0013	0.0022	0.0051
(6) heliax-hj 1-5/8" From 0 to 118	0.00	20.00	10.00	0.0984	1.01	0.0004	0.0007	0.0051
T-Brackets From 8.5 to 110	105.00	110.00	107.50	0.0210	2.40	0.0010	0.0017	0.0011
T-Brackets From 8.5 to 110	100.00	105.00	102.50	0.0210	2.28	0.0010	0.0017	0.0011
T-Brackets From 8.5 to 110	80.00	100.00	90.00	0.0840	8.01	0.0034	0.0058	0.0044
T-Brackets From 8.5 to 110	60.00	80.00	70.00	0.0840	6.21	0.0026	0.0045	0.0044
T-Brackets From 8.5 to 110	40.00	60.00	50.00	0.0840	4.41	0.0019	0.0032	0.0044
T-Brackets From 8.5 to 110	20.00	40.00	30.00	0.0840	2.63	0.0011	0.0019	0.0044
T-Brackets From 8.5 to 110	8.50	20.00	14.25	0.0483	0.71	0.0003	0.0005	0.0025
(12) 1-5/8" From 0 to 110	105.00	110.00	107.50	0.0492	5.61	0.0024	0.0041	0.0026
(12) 1-5/8" From 0 to 110	100.00	105.00	102.50	0.0492	5.35	0.0023	0.0039	0.0026
(12) 1-5/8" From 0 to 110	80.00	100.00	90.00	0.1968	18.76	0.0079	0.0136	0.0102
(12) 1-5/8" From 0 to 110	60.00	80.00	70.00	0.1968	14.54	0.0061	0.0105	0.0102
(12) 1-5/8" From 0 to 110	40.00	60.00	50.00	0.1968	10.34	0.0044	0.0075	0.0102
(12) 1-5/8" From 0 to 110	20.00	40.00	30.00	0.1968	6.17	0.0026	0.0045	0.0102
(12) 1-5/8" From 0 to 110	0.00	20.00	10.00	0.1968	2.03	0.0009	0.0015	0.0102
heliax-hj 3" From 0 to 110	105.00	110.00	107.50	0.0089	1.02	0.0004	0.0007	0.0005
heliax-hj 3" From 0 to 110	100.00	105.00	102.50	0.0089	0.97	0.0004	0.0007	0.0005
heliax-hj 3" From 0 to 110	80.00	100.00	90.00	0.0356	3.39	0.0014	0.0025	0.0018
heliax-hj 3" From 0 to 110	60.00	80.00	70.00	0.0356	2.63	0.0011	0.0019	0.0018
heliax-hj 3" From 0 to 110	40.00	60.00	50.00	0.0356	1.87	0.0008	0.0014	0.0018
heliax-hj 3" From 0 to 110	20.00	40.00	30.00	0.0356	1.12	0.0005	0.0008	0.0018
heliax-hj 3" From 0 to 110	0.00	20.00	10.00	0.0356	0.37	0.0002	0.0003	0.0018
(4) 3/4" From 0 to 110	105.00	110.00	107.50	0.0356	4.06	0.0017	0.0029	0.0018
(4) 3/4" From 0 to 110	100.00	105.00	102.50	0.0356	3.87	0.0016	0.0028	0.0018
(4) 3/4" From 0 to 110	80.00	100.00	90.00	0.1424	13.57	0.0057	0.0098	0.0074
(4) 3/4" From 0 to 110	60.00	80.00	70.00	0.1424	10.52	0.0044	0.0076	0.0074
(4) 3/4" From 0 to 110	40.00	60.00	50.00	0.1424	7.48	0.0032	0.0054	0.0074
(4) 3/4" From 0 to 110	20.00	40.00	30.00	0.1424	4.46	0.0019	0.0032	0.0074
(4) 3/4" From 0 to 110	0.00	20.00	10.00	0.1424	1.47	0.0006	0.0011	0.0074
(2) heliax-hj 3/8" From 0 to 110	105.00	110.00	107.50	0.0018	0.21	0.0001	0.0001	0.0001
(2) heliax-hj 3/8" From 0 to 110	100.00	105.00	102.50	0.0018	0.20	0.0001	0.0001	0.0001
(2) heliax-hj 3/8" From 0 to 110	80.00	100.00	90.00	0.0072	0.69	0.0003	0.0005	0.0004
(2) heliax-hj 3/8" From 0 to 110	60.00	80.00	70.00	0.0072	0.53	0.0002	0.0004	0.0004
(2) heliax-hj 3/8" From 0 to 110	40.00	60.00	50.00	0.0072	0.38	0.0002	0.0003	0.0004
(2) heliax-hj 3/8" From 0 to 110	20.00	40.00	30.00	0.0072	0.23	0.0001	0.0002	0.0004
(2) heliax-hj 3/8" From 0 to 110	0.00	20.00	10.00	0.0072	0.07	0.0000	0.0001	0.0004
(2) heliax-hj 3/8" From 0 to 110	105.00	110.00	107.50	0.0018	0.21	0.0001	0.0001	0.0001
(2) heliax-hj 3/8" From 0 to 110	100.00	105.00	102.50	0.0018	0.20	0.0001	0.0001	0.0001
(2) heliax-hj 3/8" From 0 to 110	80.00	100.00	90.00	0.0072	0.69	0.0003	0.0005	0.0004
(2) heliax-hj 3/8" From 0 to 110	60.00	80.00	70.00	0.0072	0.53	0.0002	0.0004	0.0004
(2) heliax-hj 3/8" From 0 to 110	40.00	60.00	50.00	0.0072	0.38	0.0002	0.0003	0.0004
(2) heliax-hj 3/8" From 0 to 110	20.00	40.00	30.00	0.0072	0.23	0.0001	0.0002	0.0004
(2) heliax-hj 3/8" From 0 to 110	0.00	20.00	10.00	0.0072	0.07	0.0000	0.0001	0.0004
(8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5	80.00	96.50	88.25	0.1082	10.11	0.0043	0.0073	0.0056
(8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5	60.00	80.00	70.00	0.1312	9.69	0.0041	0.0070	0.0068
(8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5	40.00	60.00	50.00	0.1312	6.89	0.0029	0.0050	0.0068
(8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5	20.00	40.00	30.00	0.1312	4.11	0.0017	0.0030	0.0068
(8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5	9.50	20.00	14.75	0.0689	1.05	0.0004	0.0008	0.0036
T-Brackets From 9.5 to 95	80.00	95.00	87.50	0.0630	5.84	0.0025	0.0042	0.0033
T-Brackets From 9.5 to 95	60.00	80.00	70.00	0.0840	6.21	0.0026	0.0045	0.0044
T-Brackets From 9.5 to 95	40.00	60.00	50.00	0.0840	4.41	0.0019	0.0032	0.0044
T-Brackets From 9.5 to 95	20.00	40.00	30.00	0.0840	2.63	0.0011	0.0019	0.0044
T-Brackets From 9.5 to 95	9.50	20.00	14.75	0.0441	0.67	0.0003	0.0005	0.0023
heliax-hj 7/8" From 9 to 57	40.00	57.00	48.50	0.0092	0.47	0.0002	0.0003	0.0005
heliax-hj 7/8" From 9 to 57	20.00	40.00	30.00	0.0108	0.34	0.0001	0.0002	0.0006

heliax-hj 7/8" From 9 to 57	9.00	20.00	14.50	0.0059	0.09	0.0000	0.0001	0.0003
(2) heliax-hj 7/8" From 9 to 128	120.00	128.00	124.00	0.0086	1.14	0.0005	0.0008	0.0004
(2) heliax-hj 7/8" From 9 to 128	115.00	120.00	117.50	0.0054	0.67	0.0003	0.0005	0.0003
(2) heliax-hj 7/8" From 9 to 128	110.00	115.00	112.50	0.0054	0.65	0.0003	0.0005	0.0003
(2) heliax-hj 7/8" From 9 to 128	105.00	110.00	107.50	0.0054	0.62	0.0003	0.0004	0.0003
(2) heliax-hj 7/8" From 9 to 128	100.00	105.00	102.50	0.0054	0.59	0.0002	0.0004	0.0003
(2) heliax-hj 7/8" From 9 to 128	80.00	100.00	90.00	0.0216	2.06	0.0009	0.0015	0.0011
(2) heliax-hj 7/8" From 9 to 128	60.00	80.00	70.00	0.0216	1.60	0.0007	0.0012	0.0011
(2) heliax-hj 7/8" From 9 to 128	40.00	60.00	50.00	0.0216	1.14	0.0005	0.0008	0.0011
(2) heliax-hj 7/8" From 9 to 128	20.00	40.00	30.00	0.0216	0.68	0.0003	0.0005	0.0011
(2) heliax-hj 7/8" From 9 to 128	9.00	20.00	14.50	0.0119	0.18	0.0001	0.0001	0.0006
(2) heliax-hj 7/8" From 9.5 to 55	40.00	55.00	47.50	0.0162	0.81	0.0003	0.0006	0.0008
(2) heliax-hj 7/8" From 9.5 to 55	20.00	40.00	30.00	0.0216	0.68	0.0003	0.0005	0.0011
(2) heliax-hj 7/8" From 9.5 to 55	9.50	20.00	14.75	0.0113	0.17	0.0001	0.0001	0.0006
T-Brackets From 8.5 to 95	80.00	95.00	87.50	0.0630	5.84	0.0025	0.0042	0.0033
T-Brackets From 8.5 to 95	60.00	80.00	70.00	0.0840	6.21	0.0026	0.0045	0.0044
T-Brackets From 8.5 to 95	40.00	60.00	50.00	0.0840	4.41	0.0019	0.0032	0.0044
T-Brackets From 8.5 to 95	20.00	40.00	30.00	0.0840	2.63	0.0011	0.0019	0.0044
T-Brackets From 8.5 to 95	8.50	20.00	14.25	0.0483	0.71	0.0003	0.0005	0.0025
(3) andrew LDF7-50A(1-5/8") From 0 to 130	120.00	130.00	125.00	0.0246	3.27	0.0014	0.0024	0.0013
(3) andrew LDF7-50A(1-5/8") From 0 to 130	115.00	120.00	117.50	0.0123	1.54	0.0006	0.0011	0.0006
(3) andrew LDF7-50A(1-5/8") From 0 to 130	110.00	115.00	112.50	0.0123	1.47	0.0006	0.0011	0.0006
(3) andrew LDF7-50A(1-5/8") From 0 to 130	105.00	110.00	107.50	0.0123	1.40	0.0006	0.0010	0.0006
(3) andrew LDF7-50A(1-5/8") From 0 to 130	100.00	105.00	102.50	0.0123	1.34	0.0006	0.0010	0.0006
(3) andrew LDF7-50A(1-5/8") From 0 to 130	80.00	100.00	90.00	0.0492	4.69	0.0020	0.0034	0.0026
(3) andrew LDF7-50A(1-5/8") From 0 to 130	60.00	80.00	70.00	0.0492	3.64	0.0015	0.0026	0.0026
(3) andrew LDF7-50A(1-5/8") From 0 to 130	40.00	60.00	50.00	0.0492	2.59	0.0011	0.0019	0.0026
(3) andrew LDF7-50A(1-5/8") From 0 to 130	20.00	40.00	30.00	0.0492	1.54	0.0006	0.0011	0.0026
(3) andrew LDF7-50A(1-5/8") From 0 to 130	0.00	20.00	10.00	0.0492	0.51	0.0002	0.0004	0.0026
andrew LDF4-50A(1/2") From 0 to 130	120.00	130.00	125.00	0.0015	0.20	0.0001	0.0001	0.0001
andrew LDF4-50A(1/2") From 0 to 130	115.00	120.00	117.50	0.0008	0.09	0.0000	0.0001	0.0000
andrew LDF4-50A(1/2") From 0 to 130	110.00	115.00	112.50	0.0008	0.09	0.0000	0.0001	0.0000
andrew LDF4-50A(1/2") From 0 to 130	105.00	110.00	107.50	0.0008	0.09	0.0000	0.0001	0.0000
andrew LDF4-50A(1/2") From 0 to 130	100.00	105.00	102.50	0.0008	0.08	0.0000	0.0001	0.0000
andrew LDF4-50A(1/2") From 0 to 130	80.00	100.00	90.00	0.0030	0.29	0.0001	0.0002	0.0002
andrew LDF4-50A(1/2") From 0 to 130	60.00	80.00	70.00	0.0030	0.22	0.0001	0.0002	0.0002
andrew LDF4-50A(1/2") From 0 to 130	40.00	60.00	50.00	0.0030	0.16	0.0001	0.0001	0.0002
andrew LDF4-50A(1/2") From 0 to 130	20.00	40.00	30.00	0.0030	0.09	0.0000	0.0001	0.0002
andrew LDF4-50A(1/2") From 0 to 130	0.00	20.00	10.00	0.0030	0.03	0.0000	0.0000	0.0002
commscope EW90(ELLIPTICAL) From 0 to 123	120.00	123.00	121.50	0.0010	0.12	0.0001	0.0001	0.0000
commscope EW90(ELLIPTICAL) From 0 to 123	115.00	120.00	117.50	0.0016	0.20	0.0001	0.0001	0.0001
commscope EW90(ELLIPTICAL) From 0 to 123	110.00	115.00	112.50	0.0016	0.19	0.0001	0.0001	0.0001
commscope EW90(ELLIPTICAL) From 0 to 123	105.00	110.00	107.50	0.0016	0.18	0.0001	0.0001	0.0001
commscope EW90(ELLIPTICAL) From 0 to 123	100.00	105.00	102.50	0.0016	0.17	0.0001	0.0001	0.0001
commscope EW90(ELLIPTICAL) From 0 to 123	80.00	100.00	90.00	0.0064	0.61	0.0003	0.0004	0.0003
commscope EW90(ELLIPTICAL) From 0 to 123	60.00	80.00	70.00	0.0064	0.47	0.0002	0.0003	0.0003
commscope EW90(ELLIPTICAL) From 0 to 123	40.00	60.00	50.00	0.0064	0.34	0.0001	0.0002	0.0003
commscope EW90(ELLIPTICAL) From 0 to 123	20.00	40.00	30.00	0.0064	0.20	0.0001	0.0001	0.0003
commscope EW90(ELLIPTICAL) From 0 to 123	0.00	20.00	10.00	0.0064	0.07	0.0000	0.0000	0.0003
			Sum	[illegible]	[illegible]			



MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 116 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. Evaluation considers Annex S of TIA-222-H.
9. CCISeismic Note: Seismic loads generated by CCISeismic 3.38
10. CCISeismic Note: Seismic calculations are in accordance with TIA-222-H
11. TOWER RATING: 82.9%

△

ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 208 K
SHEAR: 15 K

UPLIFT: -179 K
SHEAR: 13 K

AXIAL 37 K
SHEAR 2 K *MOMENT 180 kip-ft*
TORQUE 0 kip-ft
SEISMIC

AXIAL 64 K
SHEAR 6 K *MOMENT 552 kip-ft*
TORQUE 4 kip-ft
50 mph WIND - 1.0000 in ICE

AXIAL 36 K
SHEAR 24 K *MOMENT 1951 kip-ft*
TORQUE 15 kip-ft
REACTIONS - 116 mph WIND

FDH INFRASTRUCTURE SERVICES
FDH-IS
FDH Infrastructure Services, LLC
6521 Meridien Drive
Raleigh, North Carolina 27616
Phone: (919) 755-1012
FAX: (919) 755-1031

Job: *CT98078-L-03_ Wilton CT - Optasite*			
Project: *PR-009478*			
Client: SBA	Drawn by: Hailey Hipp		App'd:
Code: TIA-222-H	Date: 09/05/23		Scale: NTS
Path:			Dwg No. E-1

tnxTower	Job	Page
	CT98078-L-03_ Wilton CT - Optasite	1 of 59
FDH Infrastructure Services, LLC 6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031	**Project** PR-009478	**Date** 11:07:59 09/05/23
	Client SBA	**Designed by** Hailey Hipp

Tower Input Data

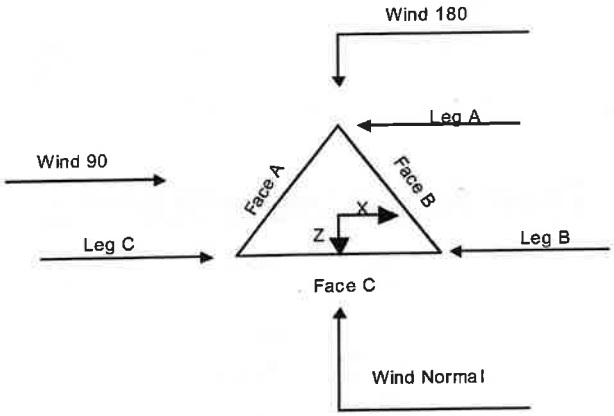
The main tower is a 3x free standing tower with an overall height of 130.00 ft above the ground line.
The base of the tower is set at an elevation of 0.00 ft above the ground line.
The face width of the tower is 5.50 ft at the top and 11.50 ft at the base.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

Tower is located in Fairfield County, Connecticut.
Tower base elevation above sea level: 41.00 ft.
Basic wind speed of 116 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
Evaluation considers Annex S of TIA-222-H..
CCISeismic Note: Seismic loads generated by CCISeismic 3.38.
CCISeismic Note: Seismic calculations are in accordance with TIA-222-H.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in tower member design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$, $K_{es}(E_v$ and $E_h) = 1.0$.
Maximum demand-capacity ratio is: 1.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

	Consider Moments - Legs		Distribute Leg Loads As Uniform		Use ASCE 10 X-Brace Ly Rules
	Consider Moments - Horizontals		Assume Legs Pinned	√	Calculate Redundant Bracing Forces
	Consider Moments - Diagonals	√	Assume Rigid Index Plate		Ignore Redundant Members in FEA
	Use Moment Magnification	√	Use Clear Spans For Wind Area	√	SR Leg Bolts Resist Compression
√	Use Code Stress Ratios	√	Use Clear Spans For KL/r		All Leg Panels Have Same Allowable
	Use Code Safety Factors - Guys		Retension Guys To Initial Tension		Offset Girt At Foundation
	Escalate Ice	√	Bypass Mast Stability Checks	√	Consider Feed Line Torque
	Always Use Max Kz	√	Use Azimuth Dish Coefficients	√	Include Angle Block Shear Check
	Use Special Wind Profile	√	Project Wind Area of Appurt.		Use TIA-222-H Bracing Resist. Exemption
√	Include Bolts In Member Capacity		Autocalc Torque Arm Areas		Use TIA-222-H Tension Splice Exemption
	Leg Bolts Are At Top Of Section		Add IBC .6D+W Combination		**Poles**
√	Secondary Horizontal Braces Leg	√	Sort Capacity Reports By Component		Include Shear-Torsion Interaction
	Use Diamond Inner Bracing (4 Sided)		Triangulate Diamond Inner Bracing		Always Use Sub-Critical Flow
	SR Members Have Cut Ends		Treat Feed Line Bundles As Cylinder		Use Top Mounted Sockets
	SR Members Are Concentric		Ignore KL/ry For 60 Deg. Angle Legs		Pole Without Linear Attachments
					Pole With Shroud Or No Appurtenances
					Outside and Inside Corner Radii Are

Known



Triangular Tower

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	ft			ft		ft
T1	130.00-120.00			5.50	1	10.00
T2	120.00-115.00			5.50	1	5.00
T3	115.00-110.00			5.50	1	5.00
T4	110.00-105.00			5.50	1	5.00
T5	105.00-100.00			5.50	1	5.00
T6	100.00-80.00			5.50	1	20.00
T7	80.00-60.00			5.50	1	20.00
T8	60.00-40.00			7.00	1	20.00
T9	40.00-20.00			8.50	1	20.00
T10	20.00-0.00			10.00	1	20.00

Tower Section Geometry *(cont'd)*

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	ft	ft				in	in

Tower Section	Tower Elevation ft	Diagonal Spacing ft	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset in	Bottom Girt Offset in
T1	130.00-120.00	5.00	X Brace	No	No	0.0000	0.0000
T2	120.00-115.00	4.50	X Brace	No	No	6.0000	0.0000
T3	115.00-110.00	5.00	X Brace	No	No	0.0000	0.0000
T4	110.00-105.00	5.00	X Brace	No	No	0.0000	0.0000
T5	105.00-100.00	5.00	X Brace	No	Yes	0.0000	0.0000
T6	100.00-80.00	5.00	X Brace	No	No	0.0000	0.0000
T7	80.00-60.00	4.88	X Brace	No	No	6.0000	0.0000
T8	60.00-40.00	5.00	X Brace	No	No	0.0000	0.0000
T9	40.00-20.00	10.00	X Brace	No	Yes	0.0000	0.0000
T10	20.00-0.00	10.00	X Brace	No	Yes	0.0000	0.0000

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T1 130.00-120.00	Solid Round	1 3/4	A572-50 (50 ksi)	Equal Angle	L2x2x1/4	A572-50 (50 ksi)
T2 120.00-115.00	Solid Round	1 3/4	A572-50 (50 ksi)	Equal Angle	L2x2x3/16	A36 (36 ksi)
T3 115.00-110.00	Solid Round	1 3/4	A572-50 (50 ksi)	Equal Angle	L2x2x3/16	A36 (36 ksi)
T4 110.00-105.00	Solid Round	1 3/4	A572-50 (50 ksi)	Equal Angle	L2x2x3/16	A36 (36 ksi)
T5 105.00-100.00	Solid Round	1 3/4	A572-50 (50 ksi)	Equal Angle	L2x2x3/16	A36 (36 ksi)
T6 100.00-80.00	Solid Round	2 1/2	A572-50 (50 ksi)	Equal Angle	L2x2x3/16	A36 (36 ksi)
T7 80.00-60.00	Solid Round	2 3/4	A572-50 (50 ksi)	Equal Angle	L2x2x3/16	A36 (36 ksi)
T8 60.00-40.00	Solid Round	3	A572-50 (50 ksi)	Equal Angle	L2x2x3/16	A36 (36 ksi)
T9 40.00-20.00	Solid Round	3 1/4	A572-50 (50 ksi)	Equal Angle	L3x3x1/4	A36 (36 ksi)
T10 20.00-0.00	Solid Round	3 1/2	A572-50 (50 ksi)	Equal Angle	L3x3x1/4	A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 130.00-120.00	Equal Angle	L2x2x1/4	A572-50 (50 ksi)	Solid Round		A36 (36 ksi)
T2 120.00-115.00	Equal Angle	L2x2x1/8	A36 (36 ksi)	Solid Round		A36 (36 ksi)
T7 80.00-60.00	Equal Angle	L2x2x1/8	A36 (36 ksi)	Solid Round		A36 (36 ksi)

Tower Section Geometry (cont'd)

Tower Elevation ft	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade
T5 105.00-100.00	Equal Angle	L2x2x1/4	A572-50 (50 ksi)	Solid Round		A572-50 (50 ksi)
T9 40.00-20.00	Equal Angle	L2x2x1/8	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T10 20.00-0.00	Equal Angle	L2x2x1/8	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)

Tower Section Geometry (cont'd)

Tower Elevation ft	Gusset Area (per face) ft²	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
T1 130.00-120.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T2 120.00-115.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T3 115.00-110.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T4 110.00-105.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T5 105.00-100.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T6 100.00-80.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T7 80.00-60.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T8 60.00-40.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T9 40.00-20.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T10 20.00-0.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000

Tower Section Geometry (cont'd)

Tower Elevation ft	Calc K Single Angles	Calc K Solid Rounds	K Factors[1] Legs	X Brace Diags X	X Brace Diags Y	Single Diags X	Single Diags Y	Girts X	Girts Y	Horiz. X	Horiz. Y	Sec. Horiz. X	Sec. Horiz. Y	Inner Brace X	Inner Brace Y
T1 130.00-120.00	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T2 120.00-115.00	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T3 115.00-110.00	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1

Tower Elevation ft	Calc K Single Angles	Calc K Solid Rounds	K Factors[1] Legs	X Brace Diags X	X Brace Diags Y	K Brace Diags X	K Brace Diags Y	Single Diags X	Single Diags Y	Girts X	Girts Y	Horiz. X	Horiz. Y	Sec. Horiz. X	Sec. Horiz. Y	Inner Brace X	Inner Brace Y
T4	Yes	Yes	1	1		1		1		1		1		1		1	
110.00-105.00				1		1		1		1		1		1		1	
T5	Yes	Yes	1	1		1		1		1		1		1		1	
105.00-100.00				1		1		1		1		1		0.5		1	
T6	Yes	Yes	1	1		1		1		1		1		1		1	
100.00-80.00				1		1		1		1		1		1		1	
T7	Yes	Yes	1	1		1		1		1		1		1		1	
80.00-60.00				1		1		1		1		1		1		1	
T8	Yes	Yes	1	1		1		1		1		1		1		1	
60.00-40.00				1		1		1		1		1		1		1	
T9	Yes	Yes	1	1		1		1		1		1		1		1	
40.00-20.00				1		1		1		1		1		0.5		1	
T10	Yes	Yes	1	1		1		1		1		1		1		1	
20.00-0.00				1		1		1		1		1		0.5		1	

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

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Net Width Deduct in	Leg U	Diagonal Net Width Deduct in	Diagonal U	Top Girt Net Width Deduct in	Top Girt U	Bottom Girt Net Width Deduct in	Bottom Girt U	Mid Girt Net Width Deduct in	Mid Girt U	Long Horizontal Net Width Deduct in	Long Horizontal U	Short Horizontal Net Width Deduct in	Short Horizontal U
T1	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
130.00-120.00														
T2	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
120.00-115.00														
T3	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
115.00-110.00														
T4	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
110.00-105.00														
T5	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
105.00-100.00														
T6	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
100.00-80.00														
T7 80.00-60.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 60.00-40.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 40.00-20.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 20.00-0.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Redundant Horizontal Net Width Deduct in	Redundant Horizontal U	Redundant Diagonal Net Width Deduct in	Redundant Diagonal U	Redundant Sub-Diagonal Net Width Deduct in	Redundant Sub-Diagonal U	Redundant Sub-Horizontal Net Width Deduct in	Redundant Sub-Horizontal U	Redundant Vertical Net Width Deduct in	Redundant Vertical U	Redundant Hip Net Width Deduct in	Redundant Hip U	Redundant Hip Diagonal Net Width Deduct in	Redundant Hip Diagonal U
T1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
130.00-120.00														

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T2 120.00-115.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T3 115.00-110.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T4 110.00-105.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 105.00-100.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T6 100.00-80.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 80.00-60.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 60.00-40.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 40.00-20.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 20.00-0.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1 130.00-120.00	Flange	0.6250 A325N	4	0.6250 A325N	1	0.6250 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T2 120.00-115.00	Flange	0.7500 A325N	0	0.6250 A325N	1	0.3750 A325N	1	0.0000 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T3 115.00-110.00	Flange	0.7500 A325N	0	0.6250 A325N	1	0.6250 A325N	0	0.0000 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T4 110.00-105.00	Flange	0.7500 A325N	0	0.6250 A325N	1	0.6250 A325N	0	0.0000 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T5 105.00-100.00	Flange	0.7500 A325N	4	0.6250 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	1
T6 100.00-80.00	Flange	1.0000 A325N	4	0.6250 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T7 80.00-60.00	Flange	1.0000 A325N	4	0.6250 A325N	1	0.3750 A325N	1	0.0000 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T8 60.00-40.00	Flange	1.0000 A325N	6	0.6250 A325N	1	0.6250 A325N	0	0.0000 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T9 40.00-20.00	Flange	1.0000 A325N	6	0.6250 A325N	1	0.6250 A325N	0	0.0000 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	1
T10 20.00-0.00	Flange	1.0000 A325N	0	0.6250 A325N	1	0.6250 A325N	0	0.0000 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	1

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
***													
Safety Line 3/8	B	No	No	Ar (CaAa)	118.00 - 0.00	0.0000	0.5	1	1	0.0000	0.3750		0.22
***													
***													
1-5/8"	A	No	No	Ar (CaAa)	118.00 - 0.00	-85.0000	0	7	2	0.5000	1.9800		0.82
1-5/8"	B	No	No	Ar (CaAa)	118.00 - 0.00	0.0000	0.4	6	3	0.5000	1.9800		0.82
T-Brackets	A	No	No	Af (CaAa)	110.00 - 8.50	-100.0000	0	1	1	1.0000	1.0000		4.20
***													
1-5/8"	A	No	No	Ar (CaAa)	110.00 - 0.00	-75.0000	0	12	6	0.5000	1.9800		0.82
3"	C	No	No	Ar (CaAa)	110.00 - 0.00	-0.5000	-0.43	1	1	0.5000	3.0100		1.78
3/8"	A	No	No	Ar (CaAa)	110.00 - 0.00	-72.0000	0	2	2	0.0000	0.3750		0.18
3/8"	C	No	No	Ar (CaAa)	110.00 - 0.00	0.0000	-0.45	2	2	0.0000	0.3750		0.18
***													
(6) 1-5/8"; (2) 1-5/8" Hybrid	C	No	No	Ar (CaAa)	96.50 - 9.50	-85.0000	0	8	4	0.5000	1.9800		0.82
T-Brackets	C	No	No	Af (CaAa)	95.00 - 9.50	-95.0000	0	1	1	1.0000	1.0000		4.20
***													
7/8"	B	No	No	Ar (CaAa)	57.00 - 9.00	-85.0000	0	1	1	0.5000	1.1100		0.54
7/8"	B	No	No	Ar (CaAa)	128.00 - 9.00	-90.0000	0	2	2	0.5000	1.1100		0.54
7/8"	C	No	No	Ar (CaAa)	55.00 - 9.50	-90.0000	0.02	2	1	0.5000	1.1100		0.54
T-Brackets	B	No	No	Af (CaAa)	95.00 - 8.50	-95.0000	0	1	1	1.0000	1.0000		4.20
***													
LDF7-50A(1-5/8")	C	No	No	Ar (CaAa)	130.00 - 0.00	0.0000	0.49	3	1	0.5000	1.9800		0.82
LDF4-50A(1/2")	C	No	No	Ar (CaAa)	130.00 - 0.00	0.0000	0.47	1	1	0.5000	0.6300		0.15
EW90(ELLIPTICAL)	C	No	No	Ar (CaAa)	123.00 - 0.00	0.0000	0.46	1	1	0.5000	1.3200		0.32

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#		C_AA_A ft^2/ft	Weight plf
***											
3/4"	C	No	No	CaAa (In Face)	110.00 - 0.00	-0.5000	-0.43	4	No Ice	0.00	1.78
									1/2" Ice	0.00	0.00
									1" Ice	0.00	0.00

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T1	130.00-120.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	1.776	0.000	0.01
		C	0.000	0.000	6.966	0.000	0.03
T2	120.00-115.00	A	0.000	0.000	4.158	0.000	0.02
		B	0.000	0.000	4.787	0.000	0.02
		C	0.000	0.000	3.945	0.000	0.01
T3	115.00-110.00	A	0.000	0.000	6.930	0.000	0.03
		B	0.000	0.000	7.237	0.000	0.03
		C	0.000	0.000	3.945	0.000	0.01
T4	110.00-105.00	A	0.000	0.000	20.018	0.000	0.10
		B	0.000	0.000	7.237	0.000	0.03
		C	0.000	0.000	5.825	0.000	0.06
T5	105.00-100.00	A	0.000	0.000	20.018	0.000	0.10
		B	0.000	0.000	7.237	0.000	0.03
		C	0.000	0.000	5.825	0.000	0.06
T6	100.00-80.00	A	0.000	0.000	80.073	0.000	0.40
		B	0.000	0.000	31.450	0.000	0.19
		C	0.000	0.000	51.936	0.000	0.42
T7	80.00-60.00	A	0.000	0.000	80.073	0.000	0.40
		B	0.000	0.000	32.283	0.000	0.21
		C	0.000	0.000	58.313	0.000	0.46
T8	60.00-40.00	A	0.000	0.000	80.073	0.000	0.40
		B	0.000	0.000	34.170	0.000	0.22
		C	0.000	0.000	61.643	0.000	0.48
T9	40.00-20.00	A	0.000	0.000	80.073	0.000	0.40
		B	0.000	0.000	34.503	0.000	0.22
		C	0.000	0.000	62.753	0.000	0.48
T10	20.00-0.00	A	0.000	0.000	78.657	0.000	0.37
		B	0.000	0.000	30.090	0.000	0.17
		C	0.000	0.000	44.013	0.000	0.37

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T1	130.00-120.00	A	0.971	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	5.572	0.000	0.04
		C		0.000	0.000	15.688	0.000	0.16
T2	120.00-115.00	A	0.965	0.000	0.000	4.885	0.000	0.06
		B		0.000	0.000	8.264	0.000	0.09
		C		0.000	0.000	8.964	0.000	0.09
T3	115.00-110.00	A	0.961	0.000	0.000	8.134	0.000	0.11
		B		0.000	0.000	11.439	0.000	0.13
		C		0.000	0.000	8.949	0.000	0.09
T4	110.00-105.00	A	0.957	0.000	0.000	23.045	0.000	0.33
		B		0.000	0.000	11.419	0.000	0.13
		C		0.000	0.000	13.589	0.000	0.13
T5	105.00-100.00	A	0.952	0.000	0.000	23.017	0.000	0.33
		B		0.000	0.000	11.399	0.000	0.13
		C		0.000	0.000	13.559	0.000	0.13
T6	100.00-80.00	A	0.940	0.000	0.000	91.771	0.000	1.29
		B		0.000	0.000	50.695	0.000	0.60
		C		0.000	0.000	85.964	0.000	1.01

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft²	A_F ft²	C_AA_A In Face ft²	C_AA_A Out Face ft²	Weight K
T7	80.00-60.00	A	0.916	0.000	0.000	91.203	0.000	1.28
		B		0.000	0.000	51.958	0.000	0.63
		C		0.000	0.000	92.556	0.000	1.11
T8	60.00-40.00	A	0.886	0.000	0.000	90.466	0.000	1.26
		B		0.000	0.000	56.194	0.000	0.66
		C		0.000	0.000	101.458	0.000	1.16
T9	40.00-20.00	A	0.842	0.000	0.000	89.393	0.000	1.23
		B		0.000	0.000	55.916	0.000	0.65
		C		0.000	0.000	102.883	0.000	1.14
T10	20.00-0.00	A	0.754	0.000	0.000	84.567	0.000	1.11
		B		0.000	0.000	42.999	0.000	0.49
		C		0.000	0.000	75.382	0.000	0.75

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
T1	130.00-120.00	-5.2717	5.6117	-7.9522	7.3284
T2	120.00-115.00	3.9100	8.7139	0.3048	9.9964
T3	115.00-110.00	9.6162	11.0437	5.3395	11.9239
T4	110.00-105.00	17.0321	15.4423	14.7626	15.9341
T5	105.00-100.00	15.4752	14.3094	13.7320	14.9876
T6	100.00-80.00	13.3929	9.6363	11.2056	10.1800
T7	80.00-60.00	11.8712	8.4435	9.8504	9.1044
T8	60.00-40.00	10.2594	7.6483	8.0402	7.9250
T9	40.00-20.00	8.8041	7.2058	7.1803	7.7733
T10	20.00-0.00	9.4233	9.3536	8.4398	10.5613

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T1	22	7/8"	120.00 - 128.00	0.6000	0.6000
T1	27	LDF7-50A(1-5/8")	120.00 - 130.00	0.6000	0.6000
T1	28	LDF4-50A(1/2")	120.00 - 130.00	0.6000	0.6000
T1	29	EW90(ELLIPTICAL)	120.00 - 123.00	0.6000	0.6000
T2	2	Safety Line 3/8	115.00 - 118.00	0.6000	0.6000
T2	5	1-5/8"	115.00 - 118.00	0.6000	0.6000
T2	6	1-5/8"	115.00 - 118.00	0.6000	0.6000
T2	22	7/8"	115.00 - 120.00	0.6000	0.6000
T2	27	LDF7-50A(1-5/8")	115.00 - 120.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T2	28	LDF4-50A(1/2")	115.00 - 120.00	0.6000	0.6000
T2	29	EW90(ELLIPTICAL)	115.00 - 120.00	0.6000	0.6000
T3	2	Safety Line 3/8	110.00 - 115.00	0.6000	0.6000
T3	5	1-5/8"	110.00 - 115.00	0.6000	0.6000
T3	6	1-5/8"	110.00 - 115.00	0.6000	0.6000
T3	22	7/8"	110.00 - 115.00	0.6000	0.6000
T3	27	LDF7-50A(1-5/8")	110.00 - 115.00	0.6000	0.6000
T3	28	LDF4-50A(1/2")	110.00 - 115.00	0.6000	0.6000
T3	29	EW90(ELLIPTICAL)	110.00 - 115.00	0.6000	0.6000
T4	2	Safety Line 3/8	105.00 - 110.00	0.6000	0.6000
T4	5	1-5/8"	105.00 - 110.00	0.6000	0.6000
T4	6	1-5/8"	105.00 - 110.00	0.6000	0.6000
T4	9	T-Brackets	105.00 - 110.00	0.6000	0.6000
T4	11	1-5/8"	105.00 - 110.00	0.6000	0.6000
T4	12	3"	105.00 - 110.00	0.6000	0.6000
T4	13	3/4"	105.00 - 110.00	0.6000	0.6000
T4	14	3/8"	105.00 - 110.00	0.6000	0.6000
T4	15	3/8"	105.00 - 110.00	0.6000	0.6000
T4	22	7/8"	105.00 - 110.00	0.6000	0.6000
T4	27	LDF7-50A(1-5/8")	105.00 - 110.00	0.6000	0.6000
T4	28	LDF4-50A(1/2")	105.00 - 110.00	0.6000	0.6000
T4	29	EW90(ELLIPTICAL)	105.00 - 110.00	0.6000	0.6000
T5	2	Safety Line 3/8	100.00 - 105.00	0.6000	0.6000
T5	5	1-5/8"	100.00 - 105.00	0.6000	0.6000
T5	6	1-5/8"	100.00 - 105.00	0.6000	0.6000
T5	9	T-Brackets	100.00 - 105.00	0.6000	0.6000
T5	11	1-5/8"	100.00 - 105.00	0.6000	0.6000
T5	12	3"	100.00 - 105.00	0.6000	0.6000
T5	13	3/4"	100.00 - 105.00	0.6000	0.6000
T5	14	3/8"	100.00 - 105.00	0.6000	0.6000
T5	15	3/8"	100.00 - 105.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T5	22	7/8"	100.00 - 105.00	0.6000	0.6000
T5	27	LDF7-50A(1-5/8")	100.00 - 105.00	0.6000	0.6000
T5	28	LDF4-50A(1/2")	100.00 - 105.00	0.6000	0.6000
T5	29	EW90(ELLIPTICAL)	100.00 - 105.00	0.6000	0.6000
T6	2	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T6	5	1-5/8"	80.00 - 100.00	0.6000	0.6000
T6	6	1-5/8"	80.00 - 100.00	0.6000	0.6000
T6	9	T-Brackets	80.00 - 100.00	0.6000	0.6000
T6	11	1-5/8"	80.00 - 100.00	0.6000	0.6000
T6	12	3"	80.00 - 100.00	0.6000	0.6000
T6	13	3/4"	80.00 - 100.00	0.6000	0.6000
T6	14	3/8"	80.00 - 100.00	0.6000	0.6000
T6	15	3/8"	80.00 - 100.00	0.6000	0.6000
T6	17	(6) 1-5/8"; (2) 1-5/8" Hybrid	80.00 - 96.50	0.6000	0.6000
T6	18	T-Brackets	80.00 - 95.00	0.6000	0.6000
T6	22	7/8"	80.00 - 100.00	0.6000	0.6000
T6	25	T-Brackets	80.00 - 95.00	0.6000	0.6000
T6	27	LDF7-50A(1-5/8")	80.00 - 100.00	0.6000	0.6000
T6	28	LDF4-50A(1/2")	80.00 - 100.00	0.6000	0.6000
T6	29	EW90(ELLIPTICAL)	80.00 - 100.00	0.6000	0.6000
T7	2	Safety Line 3/8	60.00 - 80.00	0.6000	0.6000
T7	5	1-5/8"	60.00 - 80.00	0.6000	0.6000
T7	6	1-5/8"	60.00 - 80.00	0.6000	0.6000
T7	9	T-Brackets	60.00 - 80.00	0.6000	0.6000
T7	11	1-5/8"	60.00 - 80.00	0.6000	0.6000
T7	12	3"	60.00 - 80.00	0.6000	0.6000
T7	13	3/4"	60.00 - 80.00	0.6000	0.6000
T7	14	3/8"	60.00 - 80.00	0.6000	0.6000
T7	15	3/8"	60.00 - 80.00	0.6000	0.6000
T7	17	(6) 1-5/8"; (2) 1-5/8" Hybrid	60.00 - 80.00	0.6000	0.6000
T7	18	T-Brackets	60.00 - 80.00	0.6000	0.6000
T7	22	7/8"	60.00 - 80.00	0.6000	0.6000
T7	25	T-Brackets	60.00 - 80.00	0.6000	0.6000
T7	27	LDF7-50A(1-5/8")	60.00 - 80.00	0.6000	0.6000
T7	28	LDF4-50A(1/2")	60.00 - 80.00	0.6000	0.6000
T7	29	EW90(ELLIPTICAL)	60.00 - 80.00	0.6000	0.6000
T8	2	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T8	5	1-5/8"	40.00 - 60.00	0.6000	0.6000
T8	6	1-5/8"	40.00 - 60.00	0.6000	0.6000
T8	9	T-Brackets	40.00 - 60.00	0.6000	0.6000
T8	11	1-5/8"	40.00 - 60.00	0.6000	0.6000
T8	12	3"	40.00 - 60.00	0.6000	0.6000
T8	13	3/4"	40.00 - 60.00	0.6000	0.6000
T8	14	3/8"	40.00 - 60.00	0.6000	0.6000
T8	15	3/8"	40.00 - 60.00	0.6000	0.6000
T8	17	(6) 1-5/8"; (2) 1-5/8" Hybrid	40.00 - 60.00	0.6000	0.6000
T8	18	T-Brackets	40.00 - 60.00	0.6000	0.6000
T8	21	7/8"	40.00 - 57.00	0.6000	0.6000
T8	22	7/8"	40.00 - 60.00	0.6000	0.6000
T8	23	7/8"	40.00 - 55.00	0.6000	0.6000
T8	25	T-Brackets	40.00 - 60.00	0.6000	0.6000
T8	27	LDF7-50A(1-5/8")	40.00 - 60.00	0.6000	0.6000
T8	28	LDF4-50A(1/2")	40.00 - 60.00	0.6000	0.6000
T8	29	EW90(ELLIPTICAL)	40.00 - 60.00	0.6000	0.6000
T9	2	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T9	5	1-5/8"	20.00 - 40.00	0.6000	0.6000
T9	6	1-5/8"	20.00 - 40.00	0.6000	0.6000
T9	9	T-Brackets	20.00 - 40.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T9	11	1-5/8"	20.00 - 40.00	0.6000	0.6000
T9	12	3"	20.00 - 40.00	0.6000	0.6000
T9	13	3/4"	20.00 - 40.00	0.6000	0.6000
T9	14	3/8"	20.00 - 40.00	0.6000	0.6000
T9	15	3/8"	20.00 - 40.00	0.6000	0.6000
T9	17	(6) 1-5/8"; (2) 1-5/8" Hybrid	20.00 - 40.00	0.6000	0.6000
T9	18	T-Brackets	20.00 - 40.00	0.6000	0.6000
T9	21	7/8"	20.00 - 40.00	0.6000	0.6000
T9	22	7/8"	20.00 - 40.00	0.6000	0.6000
T9	23	7/8"	20.00 - 40.00	0.6000	0.6000
T9	25	T-Brackets	20.00 - 40.00	0.6000	0.6000
T9	27	LDF7-50A(1-5/8")	20.00 - 40.00	0.6000	0.6000
T9	28	LDF4-50A(1/2")	20.00 - 40.00	0.6000	0.6000
T9	29	EW90(ELLIPTICAL)	20.00 - 40.00	0.6000	0.6000
T10	2	Safety Line 3/8	0.00 - 20.00	0.6000	0.6000
T10	5	1-5/8"	0.00 - 20.00	0.6000	0.6000
T10	6	1-5/8"	0.00 - 20.00	0.6000	0.6000
T10	9	T-Brackets	8.50 - 20.00	0.6000	0.6000
T10	11	1-5/8"	0.00 - 20.00	0.6000	0.6000
T10	12	3"	0.00 - 20.00	0.6000	0.6000
T10	13	3/4"	0.00 - 20.00	0.6000	0.6000
T10	14	3/8"	0.00 - 20.00	0.6000	0.6000
T10	15	3/8"	0.00 - 20.00	0.6000	0.6000
T10	17	(6) 1-5/8"; (2) 1-5/8" Hybrid	9.50 - 20.00	0.6000	0.6000
T10	18	T-Brackets	9.50 - 20.00	0.6000	0.6000
T10	21	7/8"	9.00 - 20.00	0.6000	0.6000
T10	22	7/8"	9.00 - 20.00	0.6000	0.6000
T10	23	7/8"	9.50 - 20.00	0.6000	0.6000
T10	25	T-Brackets	8.50 - 20.00	0.6000	0.6000
T10	27	LDF7-50A(1-5/8")	0.00 - 20.00	0.6000	0.6000
T10	28	LDF4-50A(1/2")	0.00 - 20.00	0.6000	0.6000
T10	29	EW90(ELLIPTICAL)	0.00 - 20.00	0.6000	0.6000

User Defined Loads - Seismic

Description	Elevation ft	Offset From Centroid ft	Azimuth Angle °	E_v K	E_{hx} K	E_{hz} K	E_h K
CCISeismic Tower Section 1	125.00	0.00	0.0000	0.03	0.00	0.00	0.06
CCISeismic Tower Section 2	117.50	0.00	0.0000	0.01	0.00	0.00	0.02
CCISeismic Tower Section 3	112.50	0.00	0.0000	0.01	0.00	0.00	0.02
CCISeismic Tower Section 4	107.50	0.00	0.0000	0.01	0.00	0.00	0.02
CCISeismic Tower Section 5	102.50	0.00	0.0000	0.01	0.00	0.00	0.02
CCISeismic Tower Section 6	90.00	0.00	0.0000	0.07	0.00	0.00	0.10
CCISeismic Tower Section 7	70.00	0.00	0.0000	0.09	0.00	0.00	0.09
CCISeismic Tower Section 8	50.00	0.00	0.0000	0.10	0.00	0.00	0.08
CCISeismic Tower Section 9	30.00	0.00	0.0000	0.13	0.00	0.00	0.06
CCISeismic Tower Section 10	10.00	0.00	0.0000	0.15	0.00	0.00	0.02
CCISeismic lightning rod Lightning Rod	130.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic omni 3"x12' Omni	128.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic omni 3"x12' Omni	128.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic 6' Side Arm [Site Pro 1 P/N: PSA6]	128.00	0.00	0.0000	0.00	0.00	0.00	0.01

Description	Elevation	Offset From Centroid	Azimuth Angle	E_v	E_{hx}	E_{hz}	E_h
	ft	ft	°	K	K	K	K
CCISeismic 6' Side Arm [Site Pro 1 P/N: PSA6]	128.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson Air 6449 B41 w/ Pipe Mount	118.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic ericsson Air 6449 B41 w/ Pipe Mount	118.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic ericsson Air 6449 B41 w/ Pipe Mount	118.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	118.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	118.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	118.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic APXVAALL24_43-U-NA20 w/ Mount Pipe	118.00	0.00	0.0000	0.01	0.00	0.00	0.02
CCISeismic APXVAALL24_43-U-NA20 w/ Mount Pipe	118.00	0.00	0.0000	0.01	0.00	0.00	0.02
CCISeismic APXVAALL24_43-U-NA20 w/ Mount Pipe	118.00	0.00	0.0000	0.01	0.00	0.00	0.02
CCISeismic 4449 B71 + B85	118.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic 4449 B71 + B85	118.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic 4449 B71 + B85	118.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson 4415 B25	118.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson 4415 B25	118.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson 4415 B25	118.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic commscope SDX1926Q-43	118.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope SDX1926Q-43	118.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope SDX1926Q-43	118.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic ericsson KRY 112 71	118.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic ericsson KRY 112 71	118.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic ericsson KRY 112 71	118.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic Sector Frame (SitePro 1 P/N: VFA12-HD)	118.00	0.00	0.0000	0.03	0.00	0.00	0.06
CCISeismic Sector Frame (SitePro 1 P/N: VFA12-HD)	118.00	0.00	0.0000	0.03	0.00	0.00	0.06
CCISeismic Sector Frame (SitePro 1 P/N: VFA12-HD)	118.00	0.00	0.0000	0.03	0.00	0.00	0.06
CCISeismic OPA65R-BU6DA w/ Mount Pipe	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic OPA65R-BU6DA w/ Mount Pipe	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic OPA65R-BU6DA w/ Mount Pipe	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS 4478 B14	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS 4478 B14	110.00	0.00	0.0000	0.00	0.00	0.00	0.01

Description	Elevation	Offset From Centroid	Azimuth Angle	E_v	E_{hx}	E_{hz}	E_h
	ft	ft	°	K	K	K	K
CCISeismic ericsson RRUS 4478 B14	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic powerwave 7770 w/Mount Pipe	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic powerwave 7770 w/Mount Pipe	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic powerwave 7770 w/Mount Pipe	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic kathrein 800 10965 w/ Mount Pipe	110.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic kathrein 800 10965 w/ Mount Pipe	110.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic kathrein 800 10965 w/ Mount Pipe	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic powerwave P65-16-XLH-RR w/ Mount Pipe	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic powerwave P65-16-XLH-RR w/ Mount Pipe	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic (2) powerwave LGP21401 TMA	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) powerwave LGP21401 TMA	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) powerwave LGP21401 TMA	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic powerwave TT19-08BP111-001	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic powerwave TT19-08BP111-001	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic powerwave TT19-08BP111-001	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic ericsson RRUS-11	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS-11	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS-11	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS 4478 B5	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS 4478 B5	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS 4478 B5	110.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic ericsson RRUS 4415 B25	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic ericsson RRUS 4415 B25	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic ericsson RRUS 4415 B25	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic raycap DC6-48-60-18-8F	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic raycap DC6-48-60-18-8F	110.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) 12' Sector Mounts [Sabre C10857001C]	110.00	0.00	0.0000	0.08	0.00	0.00	0.13
CCISeismic samsung MT6407-77A w/Mount Pipe	96.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic samsung MT6407-77A w/Mount Pipe	96.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic samsung MT6407-77A w/Mount Pipe	96.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (2) jma wireless	96.00	0.00	0.0000	0.01	0.00	0.00	0.01

Description	Elevation	Offset From Centroid	Azimuth Angle	E_v	E_{hx}	E_{hz}	E_h
	ft	ft	°	K	K	K	K
MX06FRO660-03_TIA w/ Mount Pipe							
CCISeismic (2) jma wireless MX06FRO660-03_TIA w/ Mount Pipe	96.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (2) jma wireless MX06FRO660-03_TIA w/ Mount Pipe	96.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic antel BXA-80090-8CF-EDIN-X w/ Mount Pipe	96.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic antel BXA-80090-8CF-EDIN-X w/ Mount Pipe	96.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic antel BXA-80090-8CF-EDIN-X w/ Mount Pipe	96.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic samsung RF4439d-25A	96.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic samsung RF4439d-25A	96.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic samsung RF4439d-25A	96.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic samsung RF4440d-13A	96.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic samsung RF4440d-13A	96.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic samsung RF4440d-13A	96.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic raycap RRFDC-3315-PF-48	96.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic raycap RRFDC-3315-PF-48	96.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) 10' x 2' T-Arms	96.00	0.00	0.0000	0.09	0.00	0.00	0.13
CCISeismic (2) kaelus KA-6030	96.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic 1.9"Ø x 9.8' Pipe Mount	55.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) rfi antennas BPA7496-180-14 w/Mount Pipe	128.00	0.00	0.0000	0.01	0.00	0.00	0.02
CCISeismic 432F-83W-01-T	128.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic 12' Standard Duty V-Frame [Site Prol P/N: VFA12-SD-S]	128.00	0.00	0.0000	0.02	0.00	0.00	0.04
CCISeismic Pipe Mount	123.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic scala PR-850	57.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic scala PR-850	55.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic scala PR-850	55.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic commscope VHLP3-11W	123.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic miscl Safety Line 3/8 From 0 to 118 (115ft to118ft)	116.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic miscl Safety Line 3/8 From 0 to 118 (110ft to115ft)	112.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic miscl Safety Line 3/8 From 0 to 118 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic miscl Safety Line 3/8 From 0 to 118 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic miscl Safety Line 3/8 From 0 to 118 (80ft to100ft)	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic miscl Safety Line	70.00	0.00	0.0000	0.00	0.00	0.00	0.00

Description	Elevation	Offset From Centroid	Azimuth Angle	E_v	E_{hx}	E_{hz}	E_h
	ft	ft	°	K	K	K	K
3/8 From 0 to 118 (60ft to80ft) CCISeismic miscl Safety Line	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
3/8 From 0 to 118 (40ft to60ft) CCISeismic miscl Safety Line	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
3/8 From 0 to 118 (20ft to40ft) CCISeismic miscl Safety Line	10.00	0.00	0.0000	0.00	0.00	0.00	0.00
3/8 From 0 to 118 (0ft to20ft) CCISeismic (7) 1-5/8" From 0 to 118 (115ft to118ft)	116.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (7) 1-5/8" From 0 to 118 (110ft to115ft)	112.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (7) 1-5/8" From 0 to 118 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (7) 1-5/8" From 0 to 118 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (7) 1-5/8" From 0 to 118 (80ft to100ft)	90.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (7) 1-5/8" From 0 to 118 (60ft to80ft)	70.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (7) 1-5/8" From 0 to 118 (40ft to60ft)	50.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (7) 1-5/8" From 0 to 118 (20ft to40ft)	30.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (7) 1-5/8" From 0 to 118 (0ft to20ft)	10.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (115ft to118ft)	116.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (110ft to115ft)	112.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (80ft to100ft)	90.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (60ft to80ft)	70.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (40ft to60ft)	50.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (20ft to40ft)	30.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (6) heliax-hj 1-5/8" From 0 to 118 (0ft to20ft)	10.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic T-Brackets From 8.5 to 110 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 8.5 to 110 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 8.5 to 110 (80ft to100ft)	90.00	0.00	0.0000	0.00	0.00	0.00	0.01
CCISeismic T-Brackets From 8.5 to 110 (60ft to80ft)	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 8.5 to 110 (40ft to60ft)	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 8.5 to 110 (20ft to40ft)	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 8.5 to 110 (8.5ft to20ft)	14.25	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (12) 1-5/8" From 0 to 110 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (12) 1-5/8" From 0	102.50	0.00	0.0000	0.00	0.00	0.00	0.00

Description	Elevation	Offset From Centroid	Azimuth Angle	E_v	E_{hx}	E_{hz}	E_h
	ft	ft	°	K	K	K	K
to 110 (100ft to105ft)							
CCISeismic (12) 1-5/8" From 0 to 110 (80ft to100ft)	90.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (12) 1-5/8" From 0 to 110 (60ft to80ft)	70.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (12) 1-5/8" From 0 to 110 (40ft to60ft)	50.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (12) 1-5/8" From 0 to 110 (20ft to40ft)	30.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (12) 1-5/8" From 0 to 110 (0ft to20ft)	10.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (80ft to100ft)	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (60ft to80ft)	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (40ft to60ft)	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (20ft to40ft)	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 3" From 0 to 110 (0ft to20ft)	10.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (4) 3/4" From 0 to 110 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (4) 3/4" From 0 to 110 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (4) 3/4" From 0 to 110 (80ft to100ft)	90.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (4) 3/4" From 0 to 110 (60ft to80ft)	70.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (4) 3/4" From 0 to 110 (40ft to60ft)	50.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (4) 3/4" From 0 to 110 (20ft to40ft)	30.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (4) 3/4" From 0 to 110 (0ft to20ft)	10.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (80ft to100ft)	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (60ft to80ft)	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (40ft to60ft)	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (20ft to40ft)	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (0ft to20ft)	10.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8" From 0 to 110 (80ft to100ft)	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 3/8"	70.00	0.00	0.0000	0.00	0.00	0.00	0.00

Description	Elevation	Offset From Centroid	Azimuth Angle	E_v	E_{hx}	E_{hz}	E_h
	ft	ft	°	K	K	K	K
From 0 to 110 (60ft to80ft) CCISeismic (2) heliax-hj 3/8"	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
From 0 to 110 (40ft to60ft) CCISeismic (2) heliax-hj 3/8"	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
From 0 to 110 (20ft to40ft) CCISeismic (2) heliax-hj 3/8"	10.00	0.00	0.0000	0.00	0.00	0.00	0.00
From 0 to 110 (0ft to20ft) CCISeismic (8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5 (80ft to96.5ft)	88.25	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5 (60ft to80ft)	70.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5 (40ft to60ft)	50.00	0.00	0.0000	0.01	0.00	0.00	0.01
CCISeismic (8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5 (20ft to40ft)	30.00	0.00	0.0000	0.01	0.00	0.00	0.00
CCISeismic (8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5 (9.5ft to20ft)	14.75	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 9.5 to 95 (80ft to95ft)	87.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 9.5 to 95 (60ft to80ft)	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 9.5 to 95 (40ft to60ft)	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 9.5 to 95 (20ft to40ft)	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 9.5 to 95 (9.5ft to20ft)	14.75	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 7/8" From 9 to 57 (40ft to57ft)	48.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 7/8" From 9 to 57 (20ft to40ft)	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic heliax-hj 7/8" From 9 to 57 (9ft to20ft)	14.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (120ft to128ft)	124.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (115ft to120ft)	117.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (110ft to115ft)	112.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (80ft to100ft)	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (60ft to80ft)	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (40ft to60ft)	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (20ft to40ft)	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9 to 128 (9ft to20ft)	14.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9.5 to 55 (40ft to55ft)	47.50	0.00	0.0000	0.00	0.00	0.00	0.00

Description	Elevation	Offset From Centroid	Azimuth Angle	E_v	E_{hx}	E_{hz}	E_h
	ft	ft	°	K	K	K	K
CCISeismic (2) heliax-hj 7/8" From 9.5 to 55 (20ft to40ft)	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (2) heliax-hj 7/8" From 9.5 to 55 (9.5ft to20ft)	14.75	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 8.5 to 95 (80ft to95ft)	87.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 8.5 to 95 (60ft to80ft)	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 8.5 to 95 (40ft to60ft)	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 8.5 to 95 (20ft to40ft)	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic T-Brackets From 8.5 to 95 (8.5ft to20ft)	14.25	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) andrew LDF7-50A(1-5/8") From 0 to 130 (120ft to130ft)	125.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) andrew LDF7-50A(1-5/8") From 0 to 130 (115ft to120ft)	117.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) andrew LDF7-50A(1-5/8") From 0 to 130 (110ft to115ft)	112.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) andrew LDF7-50A(1-5/8") From 0 to 130 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) andrew LDF7-50A(1-5/8") From 0 to 130 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) andrew LDF7-50A(1-5/8") From 0 to 130 (80ft to100ft)	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) andrew LDF7-50A(1-5/8") From 0 to 130 (60ft to80ft)	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) andrew LDF7-50A(1-5/8") From 0 to 130 (40ft to60ft)	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) andrew LDF7-50A(1-5/8") From 0 to 130 (20ft to40ft)	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic (3) andrew LDF7-50A(1-5/8") From 0 to 130 (0ft to20ft)	10.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic andrew LDF4-50A(1/2") From 0 to 130 (120ft to130ft)	125.00	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic andrew LDF4-50A(1/2") From 0 to 130 (115ft to120ft)	117.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic andrew LDF4-50A(1/2") From 0 to 130 (110ft to115ft)	112.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic andrew LDF4-50A(1/2") From 0 to 130 (105ft to110ft)	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic andrew LDF4-50A(1/2") From 0 to 130 (100ft to105ft)	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
CCISeismic andrew	90.00	0.00	0.0000	0.00	0.00	0.00	0.00

Description	Elevation	Offset From Centroid	Azimuth Angle	E_v	E_{hx}	E_{hz}	E_h
	ft	ft	°	K	K	K	K
LDF4-50A(1/2") From 0 to 130 (80ft to100ft) CCISeismic andrew	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
LDF4-50A(1/2") From 0 to 130 (60ft to80ft) CCISeismic andrew	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
LDF4-50A(1/2") From 0 to 130 (40ft to60ft) CCISeismic andrew	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
LDF4-50A(1/2") From 0 to 130 (20ft to40ft) CCISeismic andrew	10.00	0.00	0.0000	0.00	0.00	0.00	0.00
LDF4-50A(1/2") From 0 to 130 (0ft to20ft) CCISeismic commscope	121.50	0.00	0.0000	0.00	0.00	0.00	0.00
EW90(ELLIPTICAL) From 0 to 123 (120ft to123ft) CCISeismic commscope	117.50	0.00	0.0000	0.00	0.00	0.00	0.00
EW90(ELLIPTICAL) From 0 to 123 (115ft to120ft) CCISeismic commscope	112.50	0.00	0.0000	0.00	0.00	0.00	0.00
EW90(ELLIPTICAL) From 0 to 123 (110ft to115ft) CCISeismic commscope	107.50	0.00	0.0000	0.00	0.00	0.00	0.00
EW90(ELLIPTICAL) From 0 to 123 (105ft to110ft) CCISeismic commscope	102.50	0.00	0.0000	0.00	0.00	0.00	0.00
EW90(ELLIPTICAL) From 0 to 123 (100ft to105ft) CCISeismic commscope	90.00	0.00	0.0000	0.00	0.00	0.00	0.00
EW90(ELLIPTICAL) From 0 to 123 (80ft to100ft) CCISeismic commscope	70.00	0.00	0.0000	0.00	0.00	0.00	0.00
EW90(ELLIPTICAL) From 0 to 123 (60ft to80ft) CCISeismic commscope	50.00	0.00	0.0000	0.00	0.00	0.00	0.00
EW90(ELLIPTICAL) From 0 to 123 (40ft to60ft) CCISeismic commscope	30.00	0.00	0.0000	0.00	0.00	0.00	0.00
EW90(ELLIPTICAL) From 0 to 123 (20ft to40ft) CCISeismic commscope	10.00	0.00	0.0000	0.00	0.00	0.00	0.00
EW90(ELLIPTICAL) From 0 to 123 (0ft to20ft)							

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Lightning Rod	C	None		0.0000	130.00	No Ice	0.25	0.25	0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1/2" Ice	0.66	0.66	0.03
						1" Ice	0.97	0.97	0.04
***									
3"x12' Omni	B	From Leg	0.00 0.00 2.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	3.60 4.83 6.08	3.60 4.83 6.08	0.03 0.05 0.08
3"x12' Omni	C	From Leg	0.00 0.00 2.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	3.60 4.83 6.08	3.60 4.83 6.08	0.03 0.05 0.08
6' Side Arm [Site Pro 1 P/N: PSA6]	B	From Leg	0.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	0.41 0.81 1.23	3.06 5.10 7.20	0.05 0.08 0.12
6' Side Arm [Site Pro 1 P/N: PSA6]	C	From Leg	0.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	0.41 0.81 1.23	3.06 5.10 7.20	0.05 0.08 0.12
***									
Air 6449 B41 w/ Pipe Mount	A	From Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	6.60 6.95 7.31	2.67 2.94 3.22	0.10 0.14 0.18
Air 6449 B41 w/ Pipe Mount	B	From Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	6.60 6.95 7.31	2.67 2.94 3.22	0.10 0.14 0.18
Air 6449 B41 w/ Pipe Mount	C	From Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	6.60 6.95 7.31	2.67 2.94 3.22	0.10 0.14 0.18
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	6.75 7.20 7.65	6.07 6.87 7.58	0.15 0.21 0.28
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	6.75 7.20 7.65	6.07 6.87 7.58	0.15 0.21 0.28
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	6.75 7.20 7.65	6.07 6.87 7.58	0.15 0.21 0.28
APXVAALL24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46
APXVAALL24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46
APXVAALL24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46
4449 B71 + B85	A	From Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	2.09 2.27 2.46	1.59 1.75 1.92	0.07 0.09 0.12
4449 B71 + B85	B	From Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	2.09 2.27 2.46	1.59 1.75 1.92	0.07 0.09 0.12
4449 B71 + B85	C	From Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	2.09 2.27 2.46	1.59 1.75 1.92	0.07 0.09 0.12
4415 B25	A	From Leg	4.00 0.00 0.00	0.0000	118.00	No Ice 1/2" Ice 1" Ice	2.02 2.20 2.39	1.25 1.40 1.56	0.06 0.08 0.10
4415 B25	B	From Leg	4.00 0.00	0.0000	118.00	No Ice 1/2" Ice	2.02 2.20	1.25 1.40	0.06 0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1" Ice	2.39	1.56	0.10
4415 B25	C	From Leg	4.00	0.0000	118.00	No Ice	2.02	1.25	0.06
			0.00			1/2" Ice	2.20	1.40	0.08
			0.00			1" Ice	2.39	1.56	0.10
SDX1926Q-43	A	From Leg	4.00	0.0000	118.00	No Ice	0.24	0.10	0.01
			0.00			1/2" Ice	0.30	0.14	0.01
			0.00			1" Ice	0.37	0.19	0.01
SDX1926Q-43	B	From Leg	4.00	0.0000	118.00	No Ice	0.24	0.10	0.01
			0.00			1/2" Ice	0.30	0.14	0.01
			0.00			1" Ice	0.37	0.19	0.01
SDX1926Q-43	C	From Leg	4.00	0.0000	118.00	No Ice	0.24	0.10	0.01
			0.00			1/2" Ice	0.30	0.14	0.01
			0.00			1" Ice	0.37	0.19	0.01
KRY 112 71	A	From Leg	4.00	0.0000	118.00	No Ice	1.50	0.50	0.02
			0.00			1/2" Ice	1.65	0.60	0.03
			0.00			1" Ice	1.81	0.72	0.04
KRY 112 71	B	From Leg	4.00	0.0000	118.00	No Ice	1.50	0.50	0.02
			0.00			1/2" Ice	1.65	0.60	0.03
			0.00			1" Ice	1.81	0.72	0.04
KRY 112 71	C	From Leg	4.00	0.0000	118.00	No Ice	1.50	0.50	0.02
			0.00			1/2" Ice	1.65	0.60	0.03
			0.00			1" Ice	1.81	0.72	0.04
Sector Frame (SitePro 1 P/N: VFA12-HD)	A	From Leg	2.00	0.0000	118.00	No Ice	13.20	9.20	0.66
			0.00			1/2" Ice	19.50	14.60	0.80
			0.00			1" Ice	25.80	19.50	1.01
Sector Frame (SitePro 1 P/N: VFA12-HD)	B	From Leg	2.00	0.0000	118.00	No Ice	13.20	9.20	0.66
			0.00			1/2" Ice	19.50	14.60	0.80
			0.00			1" Ice	25.80	19.50	1.01
Sector Frame (SitePro 1 P/N: VFA12-HD)	C	From Leg	2.00	0.0000	118.00	No Ice	13.20	9.20	0.66
			0.00			1/2" Ice	19.50	14.60	0.80
			0.00			1" Ice	25.80	19.50	1.01
***									
OPA65R-BU6DA w/ Mount Pipe	A	From Leg	4.00	0.0000	110.00	No Ice	12.25	6.05	0.09
			0.00			1/2" Ice	13.00	6.71	0.18
			0.00			1" Ice	13.76	7.39	0.27
OPA65R-BU6DA w/ Mount Pipe	B	From Leg	4.00	0.0000	110.00	No Ice	12.25	6.05	0.09
			0.00			1/2" Ice	13.00	6.71	0.18
			0.00			1" Ice	13.76	7.39	0.27
OPA65R-BU6DA w/ Mount Pipe	C	From Leg	4.00	0.0000	110.00	No Ice	12.25	6.05	0.09
			0.00			1/2" Ice	13.00	6.71	0.18
			0.00			1" Ice	13.76	7.39	0.27
RRUS 4478 B14	A	From Leg	4.00	0.0000	110.00	No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
RRUS 4478 B14	B	From Leg	4.00	0.0000	110.00	No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
RRUS 4478 B14	C	From Leg	4.00	0.0000	110.00	No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
7770 w/Mount Pipe	A	From Face	4.00	0.0000	110.00	No Ice	6.20	4.94	0.07
			0.00			1/2" Ice	6.76	5.86	0.12
			0.00			1" Ice	7.27	6.64	0.19
7770 w/Mount Pipe	B	From Face	4.00	0.0000	110.00	No Ice	6.20	4.94	0.07
			0.00			1/2" Ice	6.76	5.86	0.12
			0.00			1" Ice	7.27	6.64	0.19
7770 w/Mount Pipe	C	From Face	4.00	0.0000	110.00	No Ice	6.20	4.94	0.07

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1/2" Ice	6.76	5.86	0.12
			0.00			1" Ice	7.27	6.64	0.19
800 10965 w/ Mount Pipe	A	From Face	4.00	0.0000	110.00	No Ice	14.05	7.63	0.14
			0.00			1/2" Ice	14.69	8.90	0.23
			0.00			1" Ice	15.30	9.96	0.34
800 10965 w/ Mount Pipe	B	From Face	4.00	0.0000	110.00	No Ice	14.05	7.63	0.14
			0.00			1/2" Ice	14.69	8.90	0.23
			0.00			1" Ice	15.30	9.96	0.34
800 10965 w/ Mount Pipe	C	From Face	4.00	0.0000	110.00	No Ice	14.05	7.63	0.14
			0.00			1/2" Ice	14.69	8.90	0.23
			0.00			1" Ice	15.30	9.96	0.34
P65-16-XLH-RR w/ Mount Pipe	A	From Face	4.00	0.0000	110.00	No Ice	8.37	6.36	0.08
			0.00			1/2" Ice	8.93	7.54	0.14
			0.00			1" Ice	9.46	8.43	0.22
P65-16-XLH-RR w/ Mount Pipe	B	From Face	4.00	0.0000	110.00	No Ice	8.37	6.36	0.08
			0.00			1/2" Ice	8.93	7.54	0.14
			0.00			1" Ice	9.46	8.43	0.22
P65-16-XLH-RR w/ Mount Pipe	C	From Face	4.00	0.0000	110.00	No Ice	8.37	6.36	0.08
			0.00			1/2" Ice	8.93	7.54	0.14
			0.00			1" Ice	9.46	8.43	0.22
(2) LGP21401 TMA	A	From Face	4.00	0.0000	110.00	No Ice	0.82	0.35	0.02
			0.00			1/2" Ice	0.94	0.44	0.02
			0.00			1" Ice	1.06	0.54	0.03
(2) LGP21401 TMA	B	From Face	4.00	0.0000	110.00	No Ice	0.82	0.35	0.02
			0.00			1/2" Ice	0.94	0.44	0.02
			0.00			1" Ice	1.06	0.54	0.03
(2) LGP21401 TMA	C	From Face	4.00	0.0000	110.00	No Ice	0.82	0.35	0.02
			0.00			1/2" Ice	0.94	0.44	0.02
			0.00			1" Ice	1.06	0.54	0.03
TT19-08BP111-001	A	From Face	4.00	0.0000	110.00	No Ice	0.55	0.45	0.02
			0.00			1/2" Ice	0.65	0.53	0.02
			0.00			1" Ice	0.75	0.63	0.03
TT19-08BP111-001	B	From Face	4.00	0.0000	110.00	No Ice	0.55	0.45	0.02
			0.00			1/2" Ice	0.65	0.53	0.02
			0.00			1" Ice	0.75	0.63	0.03
TT19-08BP111-001	C	From Face	4.00	0.0000	110.00	No Ice	0.55	0.45	0.02
			0.00			1/2" Ice	0.65	0.53	0.02
			0.00			1" Ice	0.75	0.63	0.03
RRUS-11	A	From Face	4.00	0.0000	110.00	No Ice	2.52	1.07	0.06
			0.00			1/2" Ice	2.72	1.21	0.07
			0.00			1" Ice	2.92	1.36	0.10
RRUS-11	B	From Face	4.00	0.0000	110.00	No Ice	2.52	1.07	0.06
			0.00			1/2" Ice	2.72	1.21	0.07
			0.00			1" Ice	2.92	1.36	0.10
RRUS-11	C	From Face	4.00	0.0000	110.00	No Ice	2.52	1.07	0.06
			0.00			1/2" Ice	2.72	1.21	0.07
			0.00			1" Ice	2.92	1.36	0.10
RRUS 4478 B5	A	From Face	4.00	0.0000	110.00	No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
RRUS 4478 B5	B	From Face	4.00	0.0000	110.00	No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
RRUS 4478 B5	C	From Face	4.00	0.0000	110.00	No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
RRUS 4415 B25	A	From Face	4.00	0.0000	110.00	No Ice	1.64	0.68	0.04

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1/2" Ice	1.80	0.79	0.06
			0.00			1" Ice	1.97	0.91	0.07
RRUS 4415 B25	B	From Face	4.00	0.0000	110.00	No Ice	1.64	0.68	0.04
			0.00			1/2" Ice	1.80	0.79	0.06
			0.00			1" Ice	1.97	0.91	0.07
RRUS 4415 B25	C	From Face	4.00	0.0000	110.00	No Ice	1.64	0.68	0.04
			0.00			1/2" Ice	1.80	0.79	0.06
			0.00			1" Ice	1.97	0.91	0.07
DC6-48-60-18-8F	A	From Face	0.50	0.0000	110.00	No Ice	1.21	1.21	0.03
			0.00			1/2" Ice	1.89	1.89	0.05
			0.00			1" Ice	2.11	2.11	0.08
DC6-48-60-18-8F	B	From Face	0.50	0.0000	110.00	No Ice	1.21	1.21	0.03
			0.00			1/2" Ice	1.89	1.89	0.05
			0.00			1" Ice	2.11	2.11	0.08
(3) 12' Sector Mounts [Sabre C10857001C]	C	None		0.0000	110.00	No Ice	15.85	15.85	1.50
						1/2" Ice	20.80	20.80	1.95
						1" Ice	25.75	25.75	2.40
***									
MT6407-77A w/Mount Pipe	A	From Leg	4.00	0.0000	96.00	No Ice	6.68	3.78	0.11
			0.00			1/2" Ice	7.54	4.87	0.16
			2.00			1" Ice	8.31	5.82	0.22
MT6407-77A w/Mount Pipe	B	From Leg	4.00	0.0000	96.00	No Ice	6.68	3.78	0.11
			0.00			1/2" Ice	7.54	4.87	0.16
			2.00			1" Ice	8.31	5.82	0.22
MT6407-77A w/Mount Pipe	C	From Leg	4.00	0.0000	96.00	No Ice	6.68	3.78	0.11
			0.00			1/2" Ice	7.54	4.87	0.16
			2.00			1" Ice	8.31	5.82	0.22
(2) MX06FRO660-03_TIA w/ Mount Pipe	A	From Leg	4.00	0.0000	96.00	No Ice	10.11	8.99	0.10
			0.00			1/2" Ice	10.68	10.15	0.19
			2.00			1" Ice	11.22	11.03	0.29
(2) MX06FRO660-03_TIA w/ Mount Pipe	B	From Leg	4.00	0.0000	96.00	No Ice	10.11	8.99	0.10
			0.00			1/2" Ice	10.68	10.15	0.19
			2.00			1" Ice	11.22	11.03	0.29
(2) MX06FRO660-03_TIA w/ Mount Pipe	C	From Leg	4.00	0.0000	96.00	No Ice	10.11	8.99	0.10
			0.00			1/2" Ice	10.68	10.15	0.19
			2.00			1" Ice	11.22	11.03	0.29
BXA-80090-8CF-EDIN-X w/ Mount Pipe	A	From Leg	4.00	0.0000	96.00	No Ice	8.44	8.70	0.06
			0.00			1/2" Ice	9.13	10.20	0.13
			2.00			1" Ice	9.83	11.70	0.21
BXA-80090-8CF-EDIN-X w/ Mount Pipe	B	From Leg	4.00	0.0000	96.00	No Ice	8.44	8.70	0.06
			0.00			1/2" Ice	9.13	10.20	0.13
			2.00			1" Ice	9.83	11.70	0.21
BXA-80090-8CF-EDIN-X w/ Mount Pipe	C	From Leg	4.00	0.0000	96.00	No Ice	8.44	8.70	0.06
			0.00			1/2" Ice	9.13	10.20	0.13
			2.00			1" Ice	9.83	11.70	0.21
RF4439d-25A	A	From Leg	4.00	0.0000	96.00	No Ice	2.18	1.46	0.07
			0.00			1/2" Ice	2.37	1.63	0.09
			2.00			1" Ice	2.58	1.80	0.11
RF4439d-25A	B	From Leg	4.00	0.0000	96.00	No Ice	2.18	1.46	0.07
			0.00			1/2" Ice	2.37	1.63	0.09
			2.00			1" Ice	2.58	1.80	0.11
RF4439d-25A	C	From Leg	4.00	0.0000	96.00	No Ice	2.18	1.46	0.07
			0.00			1/2" Ice	2.37	1.63	0.09
			2.00			1" Ice	2.58	1.80	0.11
RF4440d-13A	A	From Leg	4.00	0.0000	96.00	No Ice	2.18	1.32	0.07
			0.00			1/2" Ice	2.37	1.48	0.09
			2.00			1" Ice	2.58	1.64	0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
RF4440d-13A	B	From Leg	4.00 0.00 2.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	2.18 2.37 2.58	1.32 1.48 1.64	0.07 0.09 0.11
RF4440d-13A	C	From Leg	4.00 0.00 2.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	2.18 2.37 2.58	1.32 1.48 1.64	0.07 0.09 0.11
RRFDC-3315-PF-48	A	From Leg	4.00 0.00 2.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	3.02 3.24 3.47	1.96 2.15 2.35	0.03 0.06 0.09
RRFDC-3315-PF-48	B	From Leg	4.00 0.00 2.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	3.02 3.24 3.47	1.96 2.15 2.35	0.03 0.06 0.09
(3) 10' x 2' T-Arms	C	None		0.0000	96.00	No Ice 1/2" Ice 1" Ice	17.87 25.31 32.75	17.87 25.31 32.75	1.74 1.16 1.52
(2) KA-6030 *** ***	A	From Leg	4.00 0.00 2.00	0.0000	96.00	No Ice 1/2" Ice 1" Ice	0.96 1.09 1.22	0.29 0.36 0.45	0.02 0.02 0.03
1.9"Ø x 9.8' Pipe Mount *** ***	B	From Leg	0.00 0.00 0.00	0.0000	55.00	No Ice 1/2" Ice 1" Ice	1.65 2.67 3.71	1.65 2.67 3.71	0.02 0.04 0.06
(3) BPA7496-180-14 w/Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	12.38 13.15 13.93	10.62 12.32 14.04	0.07 0.17 0.27
432F-83W-01-T	A	From Leg	4.00 0.00 2.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	1.40 1.55 1.70	0.82 0.94 1.06	0.01 0.02 0.04
12' Standard Duty V-Frame [Site Pro1 P/N: VFA12-SD-S] ********	A	From Leg	0.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice	10.80 16.20 21.40	6.40 10.00 13.50	0.43 0.52 0.66
Pipe Mount	B	From Leg	0.50 0.00 0.00	0.0000	123.00	No Ice 1/2" Ice 1" Ice	1.19 1.50 1.81	1.19 1.50 1.81	0.04 0.05 0.06

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
PR-850	A	Grid	From Leg	0.50 0.00 0.00	0.0000		57.00	5.67	No Ice 1/2" Ice 1" Ice	25.22 25.97 26.71	0.04 0.17 0.30
**											
PR-850	B	Grid	From	0.50	10.0000		55.00	5.67	No Ice	25.22	0.04

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft²	Weight K
			Leg	0.00					1/2" Ice	25.97	0.17
				2.00					1" Ice	26.71	0.30
PR-850	B	Grid	From	0.50	25.0000		55.00	5.67	No Ice	25.22	0.04
			Leg	0.00					1/2" Ice	25.97	0.17
				-4.00					1" Ice	26.71	0.30
**											
VHLP3-11W	B	Paraboloid w/Shroud (HP)	From Leg	1.00	38.4400		123.00	3.28	No Ice	8.47	0.05
				0.00					1/2" Ice	8.90	0.10
				0.00					1" Ice	9.34	0.14

Tower Pressures - No Ice

$G_H = 0.850$

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
T1	125.00	1.053	29	56.458	A	5.716	2.917	2.917	33.79	0.000	0.000
130.00-120.00					B	5.716	2.917		33.79	1.776	0.000
					C	5.716	2.917		33.79	6.966	0.000
T2	117.50	1.035	29	28.229	A	3.198	1.458	1.458	31.32	4.158	0.000
120.00-115.00					B	3.198	1.458		31.32	4.787	0.000
					C	3.198	1.458		31.32	3.945	0.000
T3	112.50	1.022	28	28.229	A	2.412	1.458	1.458	37.68	6.930	0.000
115.00-110.00					B	2.412	1.458		37.68	7.237	0.000
					C	2.412	1.458		37.68	3.945	0.000
T4	107.50	1.009	28	28.229	A	2.412	1.458	1.458	37.68	20.018	0.000
110.00-105.00					B	2.412	1.458		37.68	7.237	0.000
					C	2.412	1.458		37.68	5.825	0.000
T5	102.50	0.995	28	28.229	A	3.304	1.458	1.458	30.62	20.018	0.000
105.00-100.00					B	3.304	1.458		30.62	7.237	0.000
					C	3.304	1.458		30.62	5.825	0.000
T6	90.00	0.959	27	114.167	A	9.535	8.333	8.333	46.64	80.073	0.000
100.00-80.00					B	9.535	8.333		46.64	31.450	0.000
					C	9.535	8.333		46.64	51.936	0.000
T7 80.00-60.00	70.00	0.892	25	129.587	A	11.091	9.175	9.175	45.27	80.073	0.000
					B	11.091	9.175		45.27	32.283	0.000
					C	11.091	9.175		45.27	58.313	0.000
T8 60.00-40.00	50.00	0.811	23	160.004	A	11.905	10.009	10.009	45.68	80.073	0.000
					B	11.905	10.009		45.68	34.170	0.000
					C	11.905	10.009		45.68	61.643	0.000
T9 40.00-20.00	30.00	0.701	19	190.420	A	16.215	10.843	10.843	40.07	80.073	0.000
					B	16.215	10.843		40.07	34.503	0.000
					C	16.215	10.843		40.07	62.753	0.000
T10 20.00-0.00	10.00	0.7	19	220.837	A	17.769	11.678	11.678	39.66	78.657	0.000
					B	17.769	11.678		39.66	30.090	0.000
					C	17.769	11.678		39.66	44.013	0.000

Tower Pressure - With Ice

$G_H = 0.850$

Section Elevation ft	z ft	K_Z	q_z psf	t_Z in	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
T1 130.00-120.00	125.00	1.053	5	0.9711	58.077	A	5.716	11.705	6.154	35.32	0.000	0.000
						B	5.716	11.705		35.32	5.572	0.000
						C	5.716	11.705		35.32	15.688	0.000
T2 120.00-115.00	117.50	1.035	5	0.9651	29.033	A	3.198	6.154	3.067	32.79	4.885	0.000
						B	3.198	6.154		32.79	8.264	0.000
						C	3.198	6.154		32.79	8.964	0.000
T3 115.00-110.00	112.50	1.022	5	0.9609	29.030	A	2.412	5.378	3.060	39.28	8.134	0.000
						B	2.412	5.378		39.28	11.439	0.000
						C	2.412	5.378		39.28	8.949	0.000
T4 110.00-105.00	107.50	1.009	5	0.9566	29.026	A	2.412	5.360	3.053	39.28	23.045	0.000
						B	2.412	5.360		39.28	11.419	0.000
						C	2.412	5.360		39.28	13.589	0.000
T5 105.00-100.00	102.50	0.995	5	0.9520	29.023	A	3.304	6.191	3.045	32.07	23.017	0.000
						B	3.304	6.191		32.07	11.399	0.000
						C	3.304	6.191		32.07	13.559	0.000
T6 100.00-80.00	90.00	0.959	5	0.9397	117.299	A	9.535	23.558	14.598	44.11	91.771	0.000
						B	9.535	23.558		44.11	50.695	0.000
						C	9.535	23.558		44.11	85.964	0.000
T7 80.00-60.00	70.00	0.892	5	0.9164	132.643	A	11.091	25.454	15.290	41.84	91.203	0.000
						B	11.091	25.454		41.84	51.958	0.000
						C	11.091	25.454		41.84	92.556	0.000
T8 60.00-40.00	50.00	0.811	4	0.8861	162.959	A	11.905	26.470	15.922	41.49	90.466	0.000
						B	11.905	26.470		41.49	56.194	0.000
						C	11.905	26.470		41.49	101.458	0.000
T9 40.00-20.00	30.00	0.701	4	0.8419	193.229	A	16.215	26.402	16.462	38.63	89.393	0.000
						B	16.215	26.402		38.63	55.916	0.000
						C	16.215	26.402		38.63	102.883	0.000
T10 20.00-0.00	10.00	0.7	4	0.7543	223.354	A	17.769	26.523	16.711	37.73	84.567	0.000
						B	17.769	26.523		37.73	42.999	0.000
						C	17.769	26.523		37.73	75.382	0.000

Tower Pressure - Service

$G_H = 0.850$

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
T1 130.00-120.00	125.00	1.053	8	56.458	A	5.716	2.917	2.917	33.79	0.000	0.000
					B	5.716	2.917		33.79	1.776	0.000
					C	5.716	2.917		33.79	6.966	0.000
T2 120.00-115.00	117.50	1.035	8	28.229	A	3.198	1.458	1.458	31.32	4.158	0.000
					B	3.198	1.458		31.32	4.787	0.000
					C	3.198	1.458		31.32	3.945	0.000
T3 115.00-110.00	112.50	1.022	8	28.229	A	2.412	1.458	1.458	37.68	6.930	0.000
					B	2.412	1.458		37.68	7.237	0.000
					C	2.412	1.458		37.68	3.945	0.000
T4 110.00-105.00	107.50	1.009	8	28.229	A	2.412	1.458	1.458	37.68	20.018	0.000
					B	2.412	1.458		37.68	7.237	0.000
					C	2.412	1.458		37.68	5.825	0.000
T5 105.00-100.00	102.50	0.995	8	28.229	A	3.304	1.458	1.458	30.62	20.018	0.000
					B	3.304	1.458		30.62	7.237	0.000
					C	3.304	1.458		30.62	5.825	0.000

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
T6	90.00	0.959	8	114.167	A	9.535	8.333	8.333	46.64	80.073	0.000
100.00-80.00					B	9.535	8.333		46.64	31.450	0.000
					C	9.535	8.333		46.64	51.936	0.000
T7 80.00-60.00	70.00	0.892	7	129.587	A	11.091	9.175	9.175	45.27	80.073	0.000
					B	11.091	9.175		45.27	32.283	0.000
					C	11.091	9.175		45.27	58.313	0.000
T8 60.00-40.00	50.00	0.811	6	160.004	A	11.905	10.009	10.009	45.68	80.073	0.000
					B	11.905	10.009		45.68	34.170	0.000
					C	11.905	10.009		45.68	61.643	0.000
T9 40.00-20.00	30.00	0.701	5	190.420	A	16.215	10.843	10.843	40.07	80.073	0.000
					B	16.215	10.843		40.07	34.503	0.000
					C	16.215	10.843		40.07	62.753	0.000
T10 20.00-0.00	10.00	0.7	5	220.837	A	17.769	11.678	11.678	39.66	78.657	0.000
					B	17.769	11.678		39.66	30.090	0.000
					C	17.769	11.678		39.66	44.013	0.000

Tower Forces - No Ice - Wind Normal To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft²	F K	w plf	Ctrl. Face
T1	0.04	0.58	A	0.153	2.761	29	1	1	7.373	0.64	63.66	B
130.00-120.00			B	0.153	2.761		1	1	7.373			
			C	0.153	2.761		1	1	7.373			
T2	0.05	0.25	A	0.165	2.717	29	1	1	4.028	0.43	85.26	B
120.00-115.00			B	0.165	2.717		1	1	4.028			
			C	0.165	2.717		1	1	4.028			
T3	0.07	0.23	A	0.137	2.82	28	1	1	3.238	0.43	86.60	B
115.00-110.00			B	0.137	2.82		1	1	3.238			
			C	0.137	2.82		1	1	3.238			
T4	0.19	0.23	A	0.137	2.82	28	1	1	3.238	0.54	108.73	A
110.00-105.00			B	0.137	2.82		1	1	3.238			
			C	0.137	2.82		1	1	3.238			
T5	0.19	0.28	A	0.169	2.704	28	1	1	4.135	0.58	116.90	A
105.00-100.00			B	0.169	2.704		1	1	4.135			
			C	0.169	2.704		1	1	4.135			
T6	1.01	1.44	A	0.157	2.748	27	1	1	14.271	2.34	116.93	A
100.00-80.00			B	0.157	2.748		1	1	14.271			
			C	0.157	2.748		1	1	14.271			
T7	1.07	1.71	A	0.156	2.748	25	1	1	16.305	2.34	117.09	A
80.00-60.00			B	0.156	2.748		1	1	16.305			
			C	0.156	2.748		1	1	16.305			
T8	1.10	1.98	A	0.137	2.82	23	1	1	17.573	2.28	113.90	A
60.00-40.00			B	0.137	2.82		1	1	17.573			
			C	0.137	2.82		1	1	17.573			
T9	1.10	2.59	A	0.142	2.801	19	1	1	22.361	2.20	109.96	A
40.00-20.00			B	0.142	2.801		1	1	22.361			
			C	0.142	2.801		1	1	22.361			
T10	0.90	2.94	A	0.133	2.834	19	1	1	24.379	2.16	107.81	A
20.00-0.00			B	0.133	2.834		1	1	24.379			
			C	0.133	2.834		1	1	24.379			
Sum Weight:	5.73	12.23						OTM	872.55 kip-ft	13.94		

Tower Forces - No Ice - Wind 60 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft²	F K	w plf	Ctrl. Face
T1	0.04	0.58	A	0.153	2.761	29	0.8	1	6.229	0.56	55.81	C
130.00-120.00			B	0.153	2.761		0.8	1	6.229			
			C	0.153	2.761		0.8	1	6.229			
T2	0.05	0.25	A	0.165	2.717	29	0.8	1	3.389	0.38	76.77	C
120.00-115.00			B	0.165	2.717		0.8	1	3.389			
			C	0.165	2.717		0.8	1	3.389			
T3	0.07	0.23	A	0.137	2.82	28	0.8	1	2.756	0.40	80.04	C
115.00-110.00			B	0.137	2.82		0.8	1	2.756			
			C	0.137	2.82		0.8	1	2.756			
T4	0.19	0.23	A	0.137	2.82	28	0.8	1	2.756	0.51	102.25	B
110.00-105.00			B	0.137	2.82		0.8	1	2.756			
			C	0.137	2.82		0.8	1	2.756			
T5	0.19	0.28	A	0.169	2.704	28	0.8	1	3.474	0.54	108.50	B
105.00-100.00			B	0.169	2.704		0.8	1	3.474			
			C	0.169	2.704		0.8	1	3.474			
T6	1.01	1.44	A	0.157	2.748	27	0.8	1	12.364	2.22	111.00	B
100.00-80.00			B	0.157	2.748		0.8	1	12.364			
			C	0.157	2.748		0.8	1	12.364			
T7	1.07	1.71	A	0.156	2.748	25	0.8	1	14.087	2.21	110.67	B
80.00-60.00			B	0.156	2.748		0.8	1	14.087			
			C	0.156	2.748		0.8	1	14.087			
T8	1.10	1.98	A	0.137	2.82	23	0.8	1	15.192	2.15	107.47	B
60.00-40.00			B	0.137	2.82		0.8	1	15.192			
			C	0.137	2.82		0.8	1	15.192			
T9	1.10	2.59	A	0.142	2.801	19	0.8	1	19.118	2.05	102.44	B
40.00-20.00			B	0.142	2.801		0.8	1	19.118			
			C	0.142	2.801		0.8	1	19.118			
T10	0.90	2.94	A	0.133	2.834	19	0.8	1	20.825	1.99	99.49	B
20.00-0.00			B	0.133	2.834		0.8	1	20.825			
			C	0.133	2.834		0.8	1	20.825			
Sum Weight:	5.73	12.23						OTM	814.01 kip-ft	13.02		

Tower Forces - No Ice - Wind 90 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft²	F K	w plf	Ctrl. Face
T1	0.04	0.58	A	0.153	2.761	29	0.85	1	6.515	0.58	57.77	C
130.00-120.00			B	0.153	2.761		0.85	1	6.515			
			C	0.153	2.761		0.85	1	6.515			
T2	0.05	0.25	A	0.165	2.717	29	0.85	1	3.549	0.38	76.76	A
120.00-115.00			B	0.165	2.717		0.85	1	3.549			
			C	0.165	2.717		0.85	1	3.549			
T3	0.07	0.23	A	0.137	2.82	28	0.85	1	2.876	0.40	80.03	A
115.00-110.00			B	0.137	2.82		0.85	1	2.876			
			C	0.137	2.82		0.85	1	2.876			
T4	0.19	0.23	A	0.137	2.82	28	0.85	1	2.876	0.52	104.17	C

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft²	F K	w plf	Ctrl. Face
110.00-105.00			B	0.137	2.82		0.85	1	2.876			
			C	0.137	2.82		0.85	1	2.876			
T5	0.19	0.28	A	0.169	2.704	28	0.85	1	3.640	0.55	110.90	C
105.00-100.00			B	0.169	2.704		0.85	1	3.640			
			C	0.169	2.704		0.85	1	3.640			
T6	1.01	1.44	A	0.157	2.748	27	0.85	1	12.840	2.22	111.03	C
100.00-80.00			B	0.157	2.748		0.85	1	12.840			
			C	0.157	2.748		0.85	1	12.840			
T7	1.07	1.71	A	0.156	2.748	25	0.85	1	14.641	2.21	110.58	C
80.00-60.00			B	0.156	2.748		0.85	1	14.641			
			C	0.156	2.748		0.85	1	14.641			
T8	1.10	1.98	A	0.137	2.82	23	0.85	1	15.788	2.15	107.54	C
60.00-40.00			B	0.137	2.82		0.85	1	15.788			
			C	0.137	2.82		0.85	1	15.788			
T9	1.10	2.59	A	0.142	2.801	19	0.85	1	19.929	2.06	102.99	C
40.00-20.00			B	0.142	2.801		0.85	1	19.929			
			C	0.142	2.801		0.85	1	19.929			
T10	0.90	2.94	A	0.133	2.834	19	0.85	1	21.714	2.02	100.83	C
20.00-0.00			B	0.133	2.834		0.85	1	21.714			
			C	0.133	2.834		0.85	1	21.714			
Sum Weight:	5.73	12.23						OTM	819.33 kip-ft	13.10		

Tower Forces - With Ice - Wind Normal To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft²	F K	w plf	Ctrl. Face
T1	0.20	1.16	A	0.3	2.296	5	1	1	12.726	0.18	18.42	B
130.00-120.00			B	0.3	2.296		1	1	12.726			
			C	0.3	2.296		1	1	12.726			
T2	0.24	0.57	A	0.322	2.239	5	1	1	6.928	0.12	24.10	B
120.00-115.00			B	0.322	2.239		1	1	6.928			
			C	0.322	2.239		1	1	6.928			
T3	0.32	0.48	A	0.268	2.384	5	1	1	5.583	0.12	24.61	B
115.00-110.00			B	0.268	2.384		1	1	5.583			
			C	0.268	2.384		1	1	5.583			
T4	0.58	0.48	A	0.268	2.385	5	1	1	5.572	0.16	31.34	A
110.00-105.00			B	0.268	2.385		1	1	5.572			
			C	0.268	2.385		1	1	5.572			
T5	0.58	0.60	A	0.327	2.226	5	1	1	7.067	0.17	33.02	A
105.00-100.00			B	0.327	2.226		1	1	7.067			
			C	0.327	2.226		1	1	7.067			
T6	2.91	2.44	A	0.282	2.345	5	1	1	23.519	0.67	33.41	A
100.00-80.00			B	0.282	2.345		1	1	23.519			
			C	0.282	2.345		1	1	23.519			
T7	3.01	2.82	A	0.276	2.363	5	1	1	26.152	0.66	33.01	A
80.00-60.00			B	0.276	2.363		1	1	26.152			
			C	0.276	2.363		1	1	26.152			
T8	3.07	3.13	A	0.235	2.482	4	1	1	27.300	0.64	32.17	A
60.00-40.00			B	0.235	2.482		1	1	27.300			
			C	0.235	2.482		1	1	27.300			
T9	3.01	3.91	A	0.221	2.529	4	1	1	31.486	0.59	29.62	A

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft²	F K	w plf	Ctrl. Face
40.00-20.00			B	0.221	2.529		1	1	31.486			
			C	0.221	2.529		1	1	31.486			
T10	2.35	4.20	A	0.198	2.602	4	1	1	32.998	0.55	27.41	A
20.00-0.00			B	0.198	2.602		1	1	32.998			
			C	0.198	2.602		1	1	32.998			
Sum Weight:	16.29	19.77						OTM	246.57 kip-ft	3.86		

Tower Forces - With Ice - Wind 60 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft²	F K	w plf	Ctrl. Face
T1	0.20	1.16	A	0.3	2.296	5	0.8	1	11.583	0.17	17.21	C
130.00-120.00			B	0.3	2.296		0.8	1	11.583			
			C	0.3	2.296		0.8	1	11.583			
T2	0.24	0.57	A	0.322	2.239	5	0.8	1	6.288	0.11	22.80	C
120.00-115.00			B	0.322	2.239		0.8	1	6.288			
			C	0.322	2.239		0.8	1	6.288			
T3	0.32	0.48	A	0.268	2.384	5	0.8	1	5.101	0.12	23.58	C
115.00-110.00			B	0.268	2.384		0.8	1	5.101			
			C	0.268	2.384		0.8	1	5.101			
T4	0.58	0.48	A	0.268	2.385	5	0.8	1	5.089	0.15	30.32	B
110.00-105.00			B	0.268	2.385		0.8	1	5.089			
			C	0.268	2.385		0.8	1	5.089			
T5	0.58	0.60	A	0.327	2.226	5	0.8	1	6.406	0.16	31.74	B
105.00-100.00			B	0.327	2.226		0.8	1	6.406			
			C	0.327	2.226		0.8	1	6.406			
T6	2.91	2.44	A	0.282	2.345	5	0.8	1	21.612	0.65	32.47	B
100.00-80.00			B	0.282	2.345		0.8	1	21.612			
			C	0.282	2.345		0.8	1	21.612			
T7	3.01	2.82	A	0.276	2.363	5	0.8	1	23.934	0.64	31.99	B
80.00-60.00			B	0.276	2.363		0.8	1	23.934			
			C	0.276	2.363		0.8	1	23.934			
T8	3.07	3.13	A	0.235	2.482	4	0.8	1	24.919	0.62	31.12	B
60.00-40.00			B	0.235	2.482		0.8	1	24.919			
			C	0.235	2.482		0.8	1	24.919			
T9	3.01	3.91	A	0.221	2.529	4	0.8	1	28.243	0.57	28.36	B
40.00-20.00			B	0.221	2.529		0.8	1	28.243			
			C	0.221	2.529		0.8	1	28.243			
T10	2.35	4.20	A	0.198	2.602	4	0.8	1	29.444	0.52	25.99	B
20.00-0.00			B	0.198	2.602		0.8	1	29.444			
			C	0.198	2.602		0.8	1	29.444			
Sum Weight:	16.29	19.77						OTM	237.29 kip-ft	3.71		

Tower Forces - With Ice - Wind 90 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft²	F K	w plf	Ctrl. Face
T1	0.20	1.16	A	0.3	2.296	5	0.85	1	11.869	0.18	17.83	C
130.00-120.00			B	0.3	2.296		0.85	1	11.869			
			C	0.3	2.296		0.85	1	11.869			
T2	0.24	0.57	A	0.322	2.239	5	0.85	1	6.448	0.11	22.77	C
120.00-115.00			B	0.322	2.239		0.85	1	6.448			
			C	0.322	2.239		0.85	1	6.448			
T3	0.32	0.48	A	0.268	2.384	5	0.85	1	5.221	0.12	23.07	C
115.00-110.00			B	0.268	2.384		0.85	1	5.221			
			C	0.268	2.384		0.85	1	5.221			
T4	0.58	0.48	A	0.268	2.385	5	0.85	1	5.210	0.16	31.20	C
110.00-105.00			B	0.268	2.385		0.85	1	5.210			
			C	0.268	2.385		0.85	1	5.210			
T5	0.58	0.60	A	0.327	2.226	5	0.85	1	6.572	0.16	32.66	C
105.00-100.00			B	0.327	2.226		0.85	1	6.572			
			C	0.327	2.226		0.85	1	6.572			
T6	2.91	2.44	A	0.282	2.345	5	0.85	1	22.088	0.66	32.96	C
100.00-80.00			B	0.282	2.345		0.85	1	22.088			
			C	0.282	2.345		0.85	1	22.088			
T7	3.01	2.82	A	0.276	2.363	5	0.85	1	24.489	0.65	32.43	C
80.00-60.00			B	0.276	2.363		0.85	1	24.489			
			C	0.276	2.363		0.85	1	24.489			
T8	3.07	3.13	A	0.235	2.482	4	0.85	1	25.514	0.63	31.62	C
60.00-40.00			B	0.235	2.482		0.85	1	25.514			
			C	0.235	2.482		0.85	1	25.514			
T9	3.01	3.91	A	0.221	2.529	4	0.85	1	29.053	0.58	28.91	C
40.00-20.00			B	0.221	2.529		0.85	1	29.053			
			C	0.221	2.529		0.85	1	29.053			
T10	2.35	4.20	A	0.198	2.602	4	0.85	1	30.333	0.53	26.59	C
20.00-0.00			B	0.198	2.602		0.85	1	30.333			
			C	0.198	2.602		0.85	1	30.333			
Sum Weight:	16.29	19.77						OTM	241.18 kip-ft	3.78		

Tower Forces - Service - Wind Normal To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft²	F K	w plf	Ctrl. Face
T1	0.04	0.58	A	0.153	2.761	8	1	1	7.373	0.18	17.93	B
130.00-120.00			B	0.153	2.761		1	1	7.373			
			C	0.153	2.761		1	1	7.373			
T2	0.05	0.25	A	0.165	2.717	8	1	1	4.028	0.12	24.01	B
120.00-115.00			B	0.165	2.717		1	1	4.028			
			C	0.165	2.717		1	1	4.028			
T3	0.07	0.23	A	0.137	2.82	8	1	1	3.238	0.12	24.39	B
115.00-110.00			B	0.137	2.82		1	1	3.238			
			C	0.137	2.82		1	1	3.238			
T4	0.19	0.23	A	0.137	2.82	8	1	1	3.238	0.15	30.62	A
110.00-105.00			B	0.137	2.82		1	1	3.238			
			C	0.137	2.82		1	1	3.238			
T5	0.19	0.28	A	0.169	2.704	8	1	1	4.135	0.16	32.92	A
105.00-100.00			B	0.169	2.704		1	1	4.135			
			C	0.169	2.704		1	1	4.135			

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft²	F K	w plf	Ctrl. Face
T6	1.01	1.44	A	0.157	2.748	8	1	1	14.271	0.66	32.93	A
100.00-80.00			B	0.157	2.748		1	1	14.271			
			C	0.157	2.748		1	1	14.271			
T7	1.07	1.71	A	0.156	2.748	7	1	1	16.305	0.66	32.97	A
80.00-60.00			B	0.156	2.748		1	1	16.305			
			C	0.156	2.748		1	1	16.305			
T8	1.10	1.98	A	0.137	2.82	6	1	1	17.573	0.64	32.08	A
60.00-40.00			B	0.137	2.82		1	1	17.573			
			C	0.137	2.82		1	1	17.573			
T9	1.10	2.59	A	0.142	2.801	5	1	1	22.361	0.62	30.97	A
40.00-20.00			B	0.142	2.801		1	1	22.361			
			C	0.142	2.801		1	1	22.361			
T10	0.90	2.94	A	0.133	2.834	5	1	1	24.379	0.61	30.36	A
20.00-0.00			B	0.133	2.834		1	1	24.379			
			C	0.133	2.834		1	1	24.379			
Sum Weight:	5.73	12.23						OTM	245.73 kip-ft	3.93		

Tower Forces - Service - Wind 60 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft²	F K	w plf	Ctrl. Face
T1	0.04	0.58	A	0.153	2.761	8	0.8	1	6.229	0.16	15.72	C
130.00-120.00			B	0.153	2.761		0.8	1	6.229			
			C	0.153	2.761		0.8	1	6.229			
T2	0.05	0.25	A	0.165	2.717	8	0.8	1	3.389	0.11	21.62	C
120.00-115.00			B	0.165	2.717		0.8	1	3.389			
			C	0.165	2.717		0.8	1	3.389			
T3	0.07	0.23	A	0.137	2.82	8	0.8	1	2.756	0.11	22.54	C
115.00-110.00			B	0.137	2.82		0.8	1	2.756			
			C	0.137	2.82		0.8	1	2.756			
T4	0.19	0.23	A	0.137	2.82	8	0.8	1	2.756	0.14	28.80	B
110.00-105.00			B	0.137	2.82		0.8	1	2.756			
			C	0.137	2.82		0.8	1	2.756			
T5	0.19	0.28	A	0.169	2.704	8	0.8	1	3.474	0.15	30.56	B
105.00-100.00			B	0.169	2.704		0.8	1	3.474			
			C	0.169	2.704		0.8	1	3.474			
T6	1.01	1.44	A	0.157	2.748	8	0.8	1	12.364	0.63	31.26	B
100.00-80.00			B	0.157	2.748		0.8	1	12.364			
			C	0.157	2.748		0.8	1	12.364			
T7	1.07	1.71	A	0.156	2.748	7	0.8	1	14.087	0.62	31.17	B
80.00-60.00			B	0.156	2.748		0.8	1	14.087			
			C	0.156	2.748		0.8	1	14.087			
T8	1.10	1.98	A	0.137	2.82	6	0.8	1	15.192	0.61	30.27	B
60.00-40.00			B	0.137	2.82		0.8	1	15.192			
			C	0.137	2.82		0.8	1	15.192			
T9	1.10	2.59	A	0.142	2.801	5	0.8	1	19.118	0.58	28.85	B
40.00-20.00			B	0.142	2.801		0.8	1	19.118			
			C	0.142	2.801		0.8	1	19.118			
T10	0.90	2.94	A	0.133	2.834	5	0.8	1	20.825	0.56	28.02	B
20.00-0.00			B	0.133	2.834		0.8	1	20.825			
			C	0.133	2.834		0.8	1	20.825			

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft²	F K	w plf	Ctrl. Face
Sum Weight:	5.73	12.23						OTM	229.24 kip-ft	3.67		

Tower Forces - Service - Wind 90 To Face

Section Elevation ft	Add Weight K	Self Weight K	Face	e	C_F	q_z psf	D_F	D_R	A_E ft²	F K	w plf	Ctrl. Face
T1	0.04	0.58	A	0.153	2.761	8	0.85	1	6.515	0.16	16.27	C
130.00-120.00			B	0.153	2.761		0.85	1	6.515			
			C	0.153	2.761		0.85	1	6.515			
T2	0.05	0.25	A	0.165	2.717	8	0.85	1	3.549	0.11	21.62	A
120.00-115.00			B	0.165	2.717		0.85	1	3.549			
			C	0.165	2.717		0.85	1	3.549			
T3	0.07	0.23	A	0.137	2.82	8	0.85	1	2.876	0.11	22.54	A
115.00-110.00			B	0.137	2.82		0.85	1	2.876			
			C	0.137	2.82		0.85	1	2.876			
T4	0.19	0.23	A	0.137	2.82	8	0.85	1	2.876	0.15	29.34	C
110.00-105.00			B	0.137	2.82		0.85	1	2.876			
			C	0.137	2.82		0.85	1	2.876			
T5	0.19	0.28	A	0.169	2.704	8	0.85	1	3.640	0.16	31.23	C
105.00-100.00			B	0.169	2.704		0.85	1	3.640			
			C	0.169	2.704		0.85	1	3.640			
T6	1.01	1.44	A	0.157	2.748	8	0.85	1	12.840	0.63	31.27	C
100.00-80.00			B	0.157	2.748		0.85	1	12.840			
			C	0.157	2.748		0.85	1	12.840			
T7	1.07	1.71	A	0.156	2.748	7	0.85	1	14.641	0.62	31.14	C
80.00-60.00			B	0.156	2.748		0.85	1	14.641			
			C	0.156	2.748		0.85	1	14.641			
T8	1.10	1.98	A	0.137	2.82	6	0.85	1	15.788	0.61	30.29	C
60.00-40.00			B	0.137	2.82		0.85	1	15.788			
			C	0.137	2.82		0.85	1	15.788			
T9	1.10	2.59	A	0.142	2.801	5	0.85	1	19.929	0.58	29.01	C
40.00-20.00			B	0.142	2.801		0.85	1	19.929			
			C	0.142	2.801		0.85	1	19.929			
T10	0.90	2.94	A	0.133	2.834	5	0.85	1	21.714	0.57	28.40	C
20.00-0.00			B	0.133	2.834		0.85	1	21.714			
			C	0.133	2.834		0.85	1	21.714			
Sum Weight:	5.73	12.23						OTM	230.74 kip-ft	3.69		

Discrete Appurtenance Pressures - No Ice $G_H = 0.850$

Description	Aiming Azimuth °	Weight K	$Offset_x$ ft	$Offset_z$ ft	z ft	K_z	q_z psf	C_AA_C Front ft²	C_AA_C Side ft²
Lightning Rod	0.0000	0.03	0.00	0.00	130.00	1.065	30	0.25	0.25
3"x12' Omni	120.0000	0.03	2.75	1.59	130.00	1.065	30	3.60	3.60

tnxTower	Job: CT98078-L-03_ Wilton CT - Optasite	Page: 35 of 59
FDH Infrastructure Services, LLC 6521 Meridien Drive Raleigh, North Carolina 27616 Phone: (919) 755-1012 FAX: (919) 755-1031	Project: PR-009478	Date: 11:07:59 09/05/23
	Client: SBA	Designed by: Hailey Hipp

Description	Aiming Azimuth °	Weight K	$Offset_x$ ft	$Offset_z$ ft	z ft	K_z	q_z psf	C_AA_C Front ft^2	C_AA_C Side ft^2
3"x12' Omni	240.0000	0.03	-2.75	1.59	130.00	1.065	30	3.60	3.60
6' Side Arm [Site Pro 1 P/N: PSA6]	120.0000	0.05	2.75	1.59	128.00	1.060	29	0.41	3.06
6' Side Arm [Site Pro 1 P/N: PSA6]	240.0000	0.05	-2.75	1.59	128.00	1.060	29	0.41	3.06
Air 6449 B41 w/ Pipe Mount	0.0000	0.10	0.00	-7.18	118.00	1.036	29	6.60	2.67
Air 6449 B41 w/ Pipe Mount	120.0000	0.10	6.21	3.59	118.00	1.036	29	6.60	2.67
Air 6449 B41 w/ Pipe Mount	240.0000	0.10	-6.21	3.59	118.00	1.036	29	6.60	2.67
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	0.0000	0.15	0.00	-7.18	118.00	1.036	29	6.75	6.07
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	120.0000	0.15	6.21	3.59	118.00	1.036	29	6.75	6.07
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	240.0000	0.15	-6.21	3.59	118.00	1.036	29	6.75	6.07
APXVAALL24_43-U-NA20 w/ Mount Pipe	0.0000	0.19	0.00	-7.18	118.00	1.036	29	14.69	6.87
APXVAALL24_43-U-NA20 w/ Mount Pipe	120.0000	0.19	6.21	3.59	118.00	1.036	29	14.69	6.87
APXVAALL24_43-U-NA20 w/ Mount Pipe	240.0000	0.19	-6.21	3.59	118.00	1.036	29	14.69	6.87
4449 B71 + B85	0.0000	0.07	0.00	-7.18	118.00	1.036	29	2.09	1.59
4449 B71 + B85	120.0000	0.07	6.21	3.59	118.00	1.036	29	2.09	1.59
4449 B71 + B85	240.0000	0.07	-6.21	3.59	118.00	1.036	29	2.09	1.59
4415 B25	0.0000	0.06	0.00	-7.18	118.00	1.036	29	2.02	1.25
4415 B25	120.0000	0.06	6.21	3.59	118.00	1.036	29	2.02	1.25
4415 B25	240.0000	0.06	-6.21	3.59	118.00	1.036	29	2.02	1.25
SDX1926Q-43	0.0000	0.01	0.00	-7.18	118.00	1.036	29	0.24	0.10
SDX1926Q-43	120.0000	0.01	6.21	3.59	118.00	1.036	29	0.24	0.10
SDX1926Q-43	240.0000	0.01	-6.21	3.59	118.00	1.036	29	0.24	0.10
KRY 112 71	0.0000	0.02	0.00	-7.18	118.00	1.036	29	1.50	0.50
KRY 112 71	120.0000	0.02	6.21	3.59	118.00	1.036	29	1.50	0.50
KRY 112 71	240.0000	0.02	-6.21	3.59	118.00	1.036	29	1.50	0.50
Sector Frame (SitePro 1 P/N: VFA12-HD)	0.0000	0.66	0.00	-5.18	118.00	1.036	29	13.20	9.20
Sector Frame (SitePro 1 P/N: VFA12-HD)	120.0000	0.66	4.48	2.59	118.00	1.036	29	13.20	9.20
Sector Frame (SitePro 1 P/N: VFA12-HD)	240.0000	0.66	-4.48	2.59	118.00	1.036	29	13.20	9.20
OPA65R-BU6DA w/ Mount Pipe	0.0000	0.09	0.00	-7.18	110.00	1.016	28	12.25	6.05
OPA65R-BU6DA w/ Mount Pipe	120.0000	0.09	6.21	3.59	110.00	1.016	28	12.25	6.05
OPA65R-BU6DA w/ Mount Pipe	240.0000	0.09	-6.21	3.59	110.00	1.016	28	12.25	6.05
RRUS 4478 B14	0.0000	0.06	0.00	-7.18	110.00	1.016	28	1.84	1.06
RRUS 4478 B14	120.0000	0.06	6.21	3.59	110.00	1.016	28	1.84	1.06
RRUS 4478 B14	240.0000	0.06	-6.21	3.59	110.00	1.016	28	1.84	1.06
7770 w/Mount Pipe	300.0000	0.07	-4.84	-2.79	110.00	1.016	28	6.20	4.94
7770 w/Mount Pipe	60.0000	0.07	4.84	-2.79	110.00	1.016	28	6.20	4.94
7770 w/Mount Pipe	180.0000	0.07	0.00	5.59	110.00	1.016	28	6.20	4.94
800 10965 w/ Mount Pipe	300.0000	0.14	-4.84	-2.79	110.00	1.016	28	14.05	7.63
800 10965 w/ Mount Pipe	60.0000	0.14	4.84	-2.79	110.00	1.016	28	14.05	7.63
800 10965 w/ Mount	180.0000	0.14	0.00	5.59	110.00	1.016	28	14.05	7.63

Description	Aiming Azimuth °	Weight K	$Offset_x$ ft	$Offset_z$ ft	z ft	K_z	q_z psf	C_AA_C Front ft^2	C_AA_C Side ft^2
Pipe									
P65-16-XLH-RR w/ Mount Pipe	300.0000	0.08	-4.84	-2.79	110.00	1.016	28	8.37	6.36
P65-16-XLH-RR w/ Mount Pipe	60.0000	0.08	4.84	-2.79	110.00	1.016	28	8.37	6.36
P65-16-XLH-RR w/ Mount Pipe	180.0000	0.08	0.00	5.59	110.00	1.016	28	8.37	6.36
LGP21401 TMA	300.0000	0.04	-4.84	-2.79	110.00	1.016	28	1.63	0.69
LGP21401 TMA	60.0000	0.04	4.84	-2.79	110.00	1.016	28	1.63	0.69
LGP21401 TMA	180.0000	0.04	0.00	5.59	110.00	1.016	28	1.63	0.69
TT19-08BP111-001	300.0000	0.02	-4.84	-2.79	110.00	1.016	28	0.55	0.45
TT19-08BP111-001	60.0000	0.02	4.84	-2.79	110.00	1.016	28	0.55	0.45
TT19-08BP111-001	180.0000	0.02	0.00	5.59	110.00	1.016	28	0.55	0.45
RRUS-11	300.0000	0.06	-4.84	-2.79	110.00	1.016	28	2.52	1.07
RRUS-11	60.0000	0.06	4.84	-2.79	110.00	1.016	28	2.52	1.07
RRUS-11	180.0000	0.06	0.00	5.59	110.00	1.016	28	2.52	1.07
RRUS 4478 B5	300.0000	0.06	-4.84	-2.79	110.00	1.016	28	1.84	1.06
RRUS 4478 B5	60.0000	0.06	4.84	-2.79	110.00	1.016	28	1.84	1.06
RRUS 4478 B5	180.0000	0.06	0.00	5.59	110.00	1.016	28	1.84	1.06
RRUS 4415 B25	300.0000	0.04	-4.84	-2.79	110.00	1.016	28	1.64	0.68
RRUS 4415 B25	60.0000	0.04	4.84	-2.79	110.00	1.016	28	1.64	0.68
RRUS 4415 B25	180.0000	0.04	0.00	5.59	110.00	1.016	28	1.64	0.68
DC6-48-60-18-8F	300.0000	0.03	-1.81	-1.04	110.00	1.016	28	1.21	1.21
DC6-48-60-18-8F	60.0000	0.03	1.81	-1.04	110.00	1.016	28	1.21	1.21
(3) 12' Sector Mounts [Sabre C10857001C]	0.0000	1.50	0.00	0.00	110.00	1.016	28	15.85	15.85
MT6407-77A w/Mount Pipe	0.0000	0.11	0.00	-7.18	98.00	0.983	27	6.68	3.78
MT6407-77A w/Mount Pipe	120.0000	0.11	6.21	3.59	98.00	0.983	27	6.68	3.78
MT6407-77A w/Mount Pipe	240.0000	0.11	-6.21	3.59	98.00	0.983	27	6.68	3.78
MX06FRO660-03_TIA w/ Mount Pipe	0.0000	0.20	0.00	-7.18	98.00	0.983	27	20.22	17.97
MX06FRO660-03_TIA w/ Mount Pipe	120.0000	0.20	6.21	3.59	98.00	0.983	27	20.22	17.97
MX06FRO660-03_TIA w/ Mount Pipe	240.0000	0.20	-6.21	3.59	98.00	0.983	27	20.22	17.97
BXA-80090-8CF-EDIN-X w/ Mount Pipe	0.0000	0.06	0.00	-7.18	98.00	0.983	27	8.44	8.70
BXA-80090-8CF-EDIN-X w/ Mount Pipe	120.0000	0.06	6.21	3.59	98.00	0.983	27	8.44	8.70
BXA-80090-8CF-EDIN-X w/ Mount Pipe	240.0000	0.06	-6.21	3.59	98.00	0.983	27	8.44	8.70
RF4439d-25A	0.0000	0.07	0.00	-7.18	98.00	0.983	27	2.18	1.46
RF4439d-25A	120.0000	0.07	6.21	3.59	98.00	0.983	27	2.18	1.46
RF4439d-25A	240.0000	0.07	-6.21	3.59	98.00	0.983	27	2.18	1.46
RF4440d-13A	0.0000	0.07	0.00	-7.18	98.00	0.983	27	2.18	1.32
RF4440d-13A	120.0000	0.07	6.21	3.59	98.00	0.983	27	2.18	1.32
RF4440d-13A	240.0000	0.07	-6.21	3.59	98.00	0.983	27	2.18	1.32
RRFDC-3315-PF-48	0.0000	0.03	0.00	-7.18	98.00	0.983	27	3.02	1.96
RRFDC-3315-PF-48	120.0000	0.03	6.21	3.59	98.00	0.983	27	3.02	1.96
(3) 10' x 2' T-Arms	0.0000	1.74	0.00	0.00	96.00	0.977	27	17.87	17.87
KA-6030	0.0000	0.04	0.00	-7.18	98.00	0.983	27	1.93	0.57
1.9"Ø x 9.8' Pipe Mount	120.0000	0.02	3.69	2.13	55.00	0.833	23	1.65	1.65
BPA7496-180-14 w/Mount Pipe	0.0000	0.21	0.00	-7.18	130.00	1.065	30	37.15	31.87
432F-83W-01-T	0.0000	0.01	0.00	-7.18	130.00	1.065	30	1.40	0.82
12' Standard Duty V-Frame [Site Pro1 P/N: VFA12-SD-S]	0.0000	0.43	0.00	-3.18	128.00	1.060	29	10.80	6.40

Description	Aiming Azimuth °	Weight K	$Offset_x$ ft	$Offset_z$ ft	z ft	K_z	q_z psf	C_AA_C Front ft^2	C_AA_C Side ft^2
Pipe Mount	120.0000	0.04	3.18	1.84	123.00	1.048	29	1.19	1.19
	Sum Weight:	11.56							

Discrete Appurtenance Pressures - With Ice $G_H = 0.850$

Description	Aiming Azimuth °	Weight K	$Offset_x$ ft	$Offset_z$ ft	z ft	K_z	q_z psf	C_AA_C Front ft^2	C_AA_C Side ft^2	t_z in
Lightning Rod	0.0000	0.04	0.00	0.00	130.00	1.065	5	0.96	0.96	0.9749
3"x12' Omni	120.0000	0.08	2.75	1.59	130.00	1.065	5	6.02	6.02	0.9749
3"x12' Omni	240.0000	0.08	-2.75	1.59	130.00	1.065	5	6.02	6.02	0.9749
6' Side Arm [Site Pro 1 P/N: PSA6]	120.0000	0.12	2.75	1.59	128.00	1.060	5	1.21	7.09	0.9734
6' Side Arm [Site Pro 1 P/N: PSA6]	240.0000	0.12	-2.75	1.59	128.00	1.060	5	1.21	7.09	0.9734
Air 6449 B41 w/ Pipe Mount	0.0000	0.18	0.00	-7.18	118.00	1.036	5	7.28	3.21	0.9655
Air 6449 B41 w/ Pipe Mount	120.0000	0.18	6.21	3.59	118.00	1.036	5	7.28	3.21	0.9655
Air 6449 B41 w/ Pipe Mount	240.0000	0.18	-6.21	3.59	118.00	1.036	5	7.28	3.21	0.9655
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	0.0000	0.28	0.00	-7.18	118.00	1.036	5	7.62	7.53	0.9655
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	120.0000	0.28	6.21	3.59	118.00	1.036	5	7.62	7.53	0.9655
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	240.0000	0.28	-6.21	3.59	118.00	1.036	5	7.62	7.53	0.9655
APXVAALL24_43-U-NA20 w/ Mount Pipe	0.0000	0.45	0.00	-7.18	118.00	1.036	5	16.18	8.20	0.9655
APXVAALL24_43-U-NA20 w/ Mount Pipe	120.0000	0.45	6.21	3.59	118.00	1.036	5	16.18	8.20	0.9655
APXVAALL24_43-U-NA20 w/ Mount Pipe	240.0000	0.45	-6.21	3.59	118.00	1.036	5	16.18	8.20	0.9655
4449 B71 + B85	0.0000	0.12	0.00	-7.18	118.00	1.036	5	2.44	1.91	0.9655
4449 B71 + B85	120.0000	0.12	6.21	3.59	118.00	1.036	5	2.44	1.91	0.9655
4449 B71 + B85	240.0000	0.12	-6.21	3.59	118.00	1.036	5	2.44	1.91	0.9655
4415 B25	0.0000	0.10	0.00	-7.18	118.00	1.036	5	2.37	1.55	0.9655
4415 B25	120.0000	0.10	6.21	3.59	118.00	1.036	5	2.37	1.55	0.9655
4415 B25	240.0000	0.10	-6.21	3.59	118.00	1.036	5	2.37	1.55	0.9655
SDX1926Q-43	0.0000	0.01	0.00	-7.18	118.00	1.036	5	0.37	0.19	0.9655
SDX1926Q-43	120.0000	0.01	6.21	3.59	118.00	1.036	5	0.37	0.19	0.9655
SDX1926Q-43	240.0000	0.01	-6.21	3.59	118.00	1.036	5	0.37	0.19	0.9655
KRY 112 71	0.0000	0.04	0.00	-7.18	118.00	1.036	5	1.80	0.71	0.9655
KRY 112 71	120.0000	0.04	6.21	3.59	118.00	1.036	5	1.80	0.71	0.9655
KRY 112 71	240.0000	0.04	-6.21	3.59	118.00	1.036	5	1.80	0.71	0.9655
Sector Frame (SitePro 1 P/N: VFA12-HD)	0.0000	1.00	0.00	-5.18	118.00	1.036	5	25.37	19.16	0.9655
Sector Frame (SitePro 1 P/N: VFA12-HD)	120.0000	1.00	4.48	2.59	118.00	1.036	5	25.37	19.16	0.9655
Sector Frame (SitePro 1 P/N: VFA12-HD)	240.0000	1.00	-4.48	2.59	118.00	1.036	5	25.37	19.16	0.9655
OPA65R-BU6DA w/ Mount Pipe	0.0000	0.27	0.00	-7.18	110.00	1.016	5	13.70	7.33	0.9588
OPA65R-BU6DA w/	120.0000	0.27	6.21	3.59	110.00	1.016	5	13.70	7.33	0.9588

Description	Aiming Azimuth °	Weight K	$Offset_x$ ft	$Offset_z$ ft	z ft	K_z	q_z psf	C_AA_C Front ft^2	C_AA_C Side ft^2	t_z in
Mount Pipe										
OPA65R-BU6DA w/ Mount Pipe	240.0000	0.27	-6.21	3.59	110.00	1.016	5	13.70	7.33	0.9588
RRUS 4478 B14	0.0000	0.09	0.00	-7.18	110.00	1.016	5	2.17	1.33	0.9588
RRUS 4478 B14	120.0000	0.09	6.21	3.59	110.00	1.016	5	2.17	1.33	0.9588
RRUS 4478 B14	240.0000	0.09	-6.21	3.59	110.00	1.016	5	2.17	1.33	0.9588
7770 w/Mount Pipe	300.0000	0.18	-4.84	-2.79	110.00	1.016	5	7.23	6.58	0.9588
7770 w/Mount Pipe	60.0000	0.18	4.84	-2.79	110.00	1.016	5	7.23	6.58	0.9588
7770 w/Mount Pipe	180.0000	0.18	0.00	5.59	110.00	1.016	5	7.23	6.58	0.9588
800 10965 w/ Mount Pipe	300.0000	0.33	-4.84	-2.79	110.00	1.016	5	15.25	9.88	0.9588
800 10965 w/ Mount Pipe	60.0000	0.33	4.84	-2.79	110.00	1.016	5	15.25	9.88	0.9588
800 10965 w/ Mount Pipe	180.0000	0.33	0.00	5.59	110.00	1.016	5	15.25	9.88	0.9588
P65-16-XLH-RR w/ Mount Pipe	300.0000	0.21	-4.84	-2.79	110.00	1.016	5	9.41	8.35	0.9588
P65-16-XLH-RR w/ Mount Pipe	60.0000	0.21	4.84	-2.79	110.00	1.016	5	9.41	8.35	0.9588
P65-16-XLH-RR w/ Mount Pipe	180.0000	0.21	0.00	5.59	110.00	1.016	5	9.41	8.35	0.9588
LGP21401 TMA	300.0000	0.06	-4.84	-2.79	110.00	1.016	5	2.11	1.06	0.9588
LGP21401 TMA	60.0000	0.06	4.84	-2.79	110.00	1.016	5	2.11	1.06	0.9588
LGP21401 TMA	180.0000	0.06	0.00	5.59	110.00	1.016	5	2.11	1.06	0.9588
TT19-08BP111-001	300.0000	0.03	-4.84	-2.79	110.00	1.016	5	0.74	0.62	0.9588
TT19-08BP111-001	60.0000	0.03	4.84	-2.79	110.00	1.016	5	0.74	0.62	0.9588
TT19-08BP111-001	180.0000	0.03	0.00	5.59	110.00	1.016	5	0.74	0.62	0.9588
RRUS-11	300.0000	0.09	-4.84	-2.79	110.00	1.016	5	2.91	1.35	0.9588
RRUS-11	60.0000	0.09	4.84	-2.79	110.00	1.016	5	2.91	1.35	0.9588
RRUS-11	180.0000	0.09	0.00	5.59	110.00	1.016	5	2.91	1.35	0.9588
RRUS 4478 B5	300.0000	0.09	-4.84	-2.79	110.00	1.016	5	2.17	1.33	0.9588
RRUS 4478 B5	60.0000	0.09	4.84	-2.79	110.00	1.016	5	2.17	1.33	0.9588
RRUS 4478 B5	180.0000	0.09	0.00	5.59	110.00	1.016	5	2.17	1.33	0.9588
RRUS 4415 B25	300.0000	0.07	-4.84	-2.79	110.00	1.016	5	1.96	0.90	0.9588
RRUS 4415 B25	60.0000	0.07	4.84	-2.79	110.00	1.016	5	1.96	0.90	0.9588
RRUS 4415 B25	180.0000	0.07	0.00	5.59	110.00	1.016	5	1.96	0.90	0.9588
DC6-48-60-18-8F	300.0000	0.08	-1.81	-1.04	110.00	1.016	5	2.09	2.09	0.9588
DC6-48-60-18-8F	60.0000	0.08	1.81	-1.04	110.00	1.016	5	2.09	2.09	0.9588
(3) 12' Sector Mounts [Sabre C10857001C]	0.0000	2.36	0.00	0.00	110.00	1.016	5	25.34	25.34	0.9588
MT6407-77A w/Mount Pipe	0.0000	0.21	0.00	-7.18	98.00	0.983	5	8.23	5.72	0.9477
MT6407-77A w/Mount Pipe	120.0000	0.21	6.21	3.59	98.00	0.983	5	8.23	5.72	0.9477
MT6407-77A w/Mount Pipe	240.0000	0.21	-6.21	3.59	98.00	0.983	5	8.23	5.72	0.9477
MX06FRO660-03_TIA w/ Mount Pipe	0.0000	0.55	0.00	-7.18	98.00	0.983	5	22.33	21.88	0.9477
MX06FRO660-03_TIA w/ Mount Pipe	120.0000	0.55	6.21	3.59	98.00	0.983	5	22.33	21.88	0.9477
MX06FRO660-03_TIA w/ Mount Pipe	240.0000	0.55	-6.21	3.59	98.00	0.983	5	22.33	21.88	0.9477
BXA-80090-8CF-EDIN-X w/ Mount Pipe	0.0000	0.20	0.00	-7.18	98.00	0.983	5	9.76	11.54	0.9477
BXA-80090-8CF-EDIN-X w/ Mount Pipe	120.0000	0.20	6.21	3.59	98.00	0.983	5	9.76	11.54	0.9477
BXA-80090-8CF-EDIN-X w/ Mount Pipe	240.0000	0.20	-6.21	3.59	98.00	0.983	5	9.76	11.54	0.9477
RF4439d-25A	0.0000	0.11	0.00	-7.18	98.00	0.983	5	2.56	1.78	0.9477
RF4439d-25A	120.0000	0.11	6.21	3.59	98.00	0.983	5	2.56	1.78	0.9477
RF4439d-25A	240.0000	0.11	-6.21	3.59	98.00	0.983	5	2.56	1.78	0.9477

Description	Aiming Azimuth °	Weight K	$Offset_x$ ft	$Offset_z$ ft	z ft	K_z	q_z psf	C_AA_C Front ft^2	C_AA_C Side ft^2	t_z in
RF4440d-13A	0.0000	0.11	0.00	-7.18	98.00	0.983	5	2.56	1.63	0.9477
RF4440d-13A	120.0000	0.11	6.21	3.59	98.00	0.983	5	2.56	1.63	0.9477
RF4440d-13A	240.0000	0.11	-6.21	3.59	98.00	0.983	5	2.56	1.63	0.9477
RRFDC-3315-PF-48	0.0000	0.08	0.00	-7.18	98.00	0.983	5	3.45	2.33	0.9477
RRFDC-3315-PF-48	120.0000	0.08	6.21	3.59	98.00	0.983	5	3.45	2.33	0.9477
(3) 10' x 2' T-Arms	0.0000	1.49	0.00	0.00	96.00	0.977	5	31.94	31.94	0.9458
KA-6030	0.0000	0.06	0.00	-7.18	98.00	0.983	5	2.41	0.88	0.9477
1.9"Ø x 9.8' Pipe Mount	120.0000	0.05	3.69	2.13	55.00	0.833	4	3.49	3.49	0.8945
BPA7496-180-14 w/Mount Pipe	0.0000	0.79	0.00	-7.18	130.00	1.065	5	41.68	41.87	0.9749
432F-83W-01-T	0.0000	0.04	0.00	-7.18	130.00	1.065	5	1.69	1.05	0.9749
12' Standard Duty V-Frame [Site Pro1 P/N: VFA12-SD-S]	0.0000	0.65	0.00	-3.18	128.00	1.060	5	21.12	13.31	0.9734
Pipe Mount	120.0000	0.06	3.18	1.84	123.00	1.048	5	1.79	1.79	0.9695
	Sum Weight:	20.61								

Discrete Appurtenance Pressures - Service $G_H = 0.850$

Description	Aiming Azimuth °	Weight K	$Offset_x$ ft	$Offset_z$ ft	z ft	K_z	q_z psf	C_AA_C Front ft^2	C_AA_C Side ft^2
Lightning Rod	0.0000	0.03	0.00	0.00	130.00	1.065	8	0.25	0.25
3"x12' Omni	120.0000	0.03	2.75	1.59	130.00	1.065	8	3.60	3.60
3"x12' Omni	240.0000	0.03	-2.75	1.59	130.00	1.065	8	3.60	3.60
6' Side Arm [Site Pro 1 P/N: PSA6]	120.0000	0.05	2.75	1.59	128.00	1.060	8	0.41	3.06
6' Side Arm [Site Pro 1 P/N: PSA6]	240.0000	0.05	-2.75	1.59	128.00	1.060	8	0.41	3.06
Air 6449 B41 w/ Pipe Mount	0.0000	0.10	0.00	-7.18	118.00	1.036	8	6.60	2.67
Air 6449 B41 w/ Pipe Mount	120.0000	0.10	6.21	3.59	118.00	1.036	8	6.60	2.67
Air 6449 B41 w/ Pipe Mount	240.0000	0.10	-6.21	3.59	118.00	1.036	8	6.60	2.67
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	0.0000	0.15	0.00	-7.18	118.00	1.036	8	6.75	6.07
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	120.0000	0.15	6.21	3.59	118.00	1.036	8	6.75	6.07
AIR32 KRD901146-1-B66A-B2A w/ Mount Pipe	240.0000	0.15	-6.21	3.59	118.00	1.036	8	6.75	6.07
APXVAALL24_43-U-NA20 w/ Mount Pipe	0.0000	0.19	0.00	-7.18	118.00	1.036	8	14.69	6.87
APXVAALL24_43-U-NA20 w/ Mount Pipe	120.0000	0.19	6.21	3.59	118.00	1.036	8	14.69	6.87
APXVAALL24_43-U-NA20 w/ Mount Pipe	240.0000	0.19	-6.21	3.59	118.00	1.036	8	14.69	6.87
4449 B71 + B85	0.0000	0.07	0.00	-7.18	118.00	1.036	8	2.09	1.59
4449 B71 + B85	120.0000	0.07	6.21	3.59	118.00	1.036	8	2.09	1.59
4449 B71 + B85	240.0000	0.07	-6.21	3.59	118.00	1.036	8	2.09	1.59
4415 B25	0.0000	0.06	0.00	-7.18	118.00	1.036	8	2.02	1.25
4415 B25	120.0000	0.06	6.21	3.59	118.00	1.036	8	2.02	1.25
4415 B25	240.0000	0.06	-6.21	3.59	118.00	1.036	8	2.02	1.25
SDX1926Q-43	0.0000	0.01	0.00	-7.18	118.00	1.036	8	0.24	0.10

Description	Aiming Azimuth °	Weight K	$Offset_x$ ft	$Offset_z$ ft	z ft	K_z	q_z psf	C_AA_C Front ft^2	C_AA_C Side ft^2
SDX1926Q-43	120.0000	0.01	6.21	3.59	118.00	1.036	8	0.24	0.10
SDX1926Q-43	240.0000	0.01	-6.21	3.59	118.00	1.036	8	0.24	0.10
KRY 112 71	0.0000	0.02	0.00	-7.18	118.00	1.036	8	1.50	0.50
KRY 112 71	120.0000	0.02	6.21	3.59	118.00	1.036	8	1.50	0.50
KRY 112 71	240.0000	0.02	-6.21	3.59	118.00	1.036	8	1.50	0.50
Sector Frame (SitePro 1 P/N: VFA12-HD)	0.0000	0.66	0.00	-5.18	118.00	1.036	8	13.20	9.20
Sector Frame (SitePro 1 P/N: VFA12-HD)	120.0000	0.66	4.48	2.59	118.00	1.036	8	13.20	9.20
Sector Frame (SitePro 1 P/N: VFA12-HD)	240.0000	0.66	-4.48	2.59	118.00	1.036	8	13.20	9.20
OPA65R-BU6DA w/ Mount Pipe	0.0000	0.09	0.00	-7.18	110.00	1.016	8	12.25	6.05
OPA65R-BU6DA w/ Mount Pipe	120.0000	0.09	6.21	3.59	110.00	1.016	8	12.25	6.05
OPA65R-BU6DA w/ Mount Pipe	240.0000	0.09	-6.21	3.59	110.00	1.016	8	12.25	6.05
RRUS 4478 B14	0.0000	0.06	0.00	-7.18	110.00	1.016	8	1.84	1.06
RRUS 4478 B14	120.0000	0.06	6.21	3.59	110.00	1.016	8	1.84	1.06
RRUS 4478 B14	240.0000	0.06	-6.21	3.59	110.00	1.016	8	1.84	1.06
7770 w/Mount Pipe	300.0000	0.07	-4.84	-2.79	110.00	1.016	8	6.20	4.94
7770 w/Mount Pipe	60.0000	0.07	4.84	-2.79	110.00	1.016	8	6.20	4.94
7770 w/Mount Pipe	180.0000	0.07	0.00	5.59	110.00	1.016	8	6.20	4.94
800 10965 w/ Mount Pipe	300.0000	0.14	-4.84	-2.79	110.00	1.016	8	14.05	7.63
800 10965 w/ Mount Pipe	60.0000	0.14	4.84	-2.79	110.00	1.016	8	14.05	7.63
800 10965 w/ Mount Pipe	180.0000	0.14	0.00	5.59	110.00	1.016	8	14.05	7.63
P65-16-XLH-RR w/ Mount Pipe	300.0000	0.08	-4.84	-2.79	110.00	1.016	8	8.37	6.36
P65-16-XLH-RR w/ Mount Pipe	60.0000	0.08	4.84	-2.79	110.00	1.016	8	8.37	6.36
P65-16-XLH-RR w/ Mount Pipe	180.0000	0.08	0.00	5.59	110.00	1.016	8	8.37	6.36
LGP21401 TMA	300.0000	0.04	-4.84	-2.79	110.00	1.016	8	1.63	0.69
LGP21401 TMA	60.0000	0.04	4.84	-2.79	110.00	1.016	8	1.63	0.69
LGP21401 TMA	180.0000	0.04	0.00	5.59	110.00	1.016	8	1.63	0.69
TT19-08BP111-001	300.0000	0.02	-4.84	-2.79	110.00	1.016	8	0.55	0.45
TT19-08BP111-001	60.0000	0.02	4.84	-2.79	110.00	1.016	8	0.55	0.45
TT19-08BP111-001	180.0000	0.02	0.00	5.59	110.00	1.016	8	0.55	0.45
RRUS-11	300.0000	0.06	-4.84	-2.79	110.00	1.016	8	2.52	1.07
RRUS-11	60.0000	0.06	4.84	-2.79	110.00	1.016	8	2.52	1.07
RRUS-11	180.0000	0.06	0.00	5.59	110.00	1.016	8	2.52	1.07
RRUS 4478 B5	300.0000	0.06	-4.84	-2.79	110.00	1.016	8	1.84	1.06
RRUS 4478 B5	60.0000	0.06	4.84	-2.79	110.00	1.016	8	1.84	1.06
RRUS 4478 B5	180.0000	0.06	0.00	5.59	110.00	1.016	8	1.84	1.06
RRUS 4415 B25	300.0000	0.04	-4.84	-2.79	110.00	1.016	8	1.64	0.68
RRUS 4415 B25	60.0000	0.04	4.84	-2.79	110.00	1.016	8	1.64	0.68
RRUS 4415 B25	180.0000	0.04	0.00	5.59	110.00	1.016	8	1.64	0.68
DC6-48-60-18-8F	300.0000	0.03	-1.81	-1.04	110.00	1.016	8	1.43	1.43
DC6-48-60-18-8F	60.0000	0.03	1.81	-1.04	110.00	1.016	8	1.43	1.43
(3) 12' Sector Mounts [Sabre C10857001C]	0.0000	1.50	0.00	0.00	110.00	1.016	8	15.85	15.85
MT6407-77A w/Mount Pipe	0.0000	0.11	0.00	-7.18	98.00	0.983	8	6.68	3.78
MT6407-77A w/Mount Pipe	120.0000	0.11	6.21	3.59	98.00	0.983	8	6.68	3.78
MT6407-77A w/Mount Pipe	240.0000	0.11	-6.21	3.59	98.00	0.983	8	6.68	3.78
MX06FRO660-03_TIA	0.0000	0.20	0.00	-7.18	98.00	0.983	8	20.22	17.97

Description	Aiming Azimuth °	Weight K	$Offset_x$ ft	$Offset_z$ ft	z ft	K_z	q_z psf	C_AA_C Front ft^2	C_AA_C Side ft^2
w/ Mount Pipe MX06FRO660-03_TIA	120.0000	0.20	6.21	3.59	98.00	0.983	8	20.22	17.97
w/ Mount Pipe MX06FRO660-03_TIA	240.0000	0.20	-6.21	3.59	98.00	0.983	8	20.22	17.97
w/ Mount Pipe BXA-80090-8CF-EDIN-X	0.0000	0.06	0.00	-7.18	98.00	0.983	8	8.44	8.70
w/ Mount Pipe BXA-80090-8CF-EDIN-X	120.0000	0.06	6.21	3.59	98.00	0.983	8	8.44	8.70
w/ Mount Pipe BXA-80090-8CF-EDIN-X	240.0000	0.06	-6.21	3.59	98.00	0.983	8	8.44	8.70
RF4439d-25A	0.0000	0.07	0.00	-7.18	98.00	0.983	8	2.18	1.46
RF4439d-25A	120.0000	0.07	6.21	3.59	98.00	0.983	8	2.18	1.46
RF4439d-25A	240.0000	0.07	-6.21	3.59	98.00	0.983	8	2.18	1.46
RF4440d-13A	0.0000	0.07	0.00	-7.18	98.00	0.983	8	2.18	1.32
RF4440d-13A	120.0000	0.07	6.21	3.59	98.00	0.983	8	2.18	1.32
RF4440d-13A	240.0000	0.07	-6.21	3.59	98.00	0.983	8	2.18	1.32
RRFDC-3315-PF-48	0.0000	0.03	0.00	-7.18	98.00	0.983	8	3.02	1.96
RRFDC-3315-PF-48	120.0000	0.03	6.21	3.59	98.00	0.983	8	3.02	1.96
(3) 10' x 2' T-Arms	0.0000	1.74	0.00	0.00	96.00	0.977	8	17.87	17.87
KA-6030	0.0000	0.04	0.00	-7.18	98.00	0.983	8	1.93	0.57
1.9"Ø x 9.8' Pipe Mount	120.0000	0.02	3.69	2.13	55.00	0.833	7	1.65	1.65
BPA7496-180-14 w/Mount Pipe	0.0000	0.21	0.00	-7.18	130.00	1.065	8	37.15	31.87
432F-83W-01-T	0.0000	0.01	0.00	-7.18	130.00	1.065	8	1.40	0.82
12' Standard Duty V-Frame [Site Pro1 P/N: VFA12-SD-S]	0.0000	0.43	0.00	-3.18	128.00	1.060	8	10.80	6.40
Pipe Mount	120.0000	0.04	3.18	1.84	123.00	1.048	8	1.19	1.19
	Sum Weight:	11.56							

Dish Pressures - No Ice

Elevation ft	Dish Description	Aiming Azimuth °	Weight K	$Offset_x$ ft	$Offset_z$ ft	K_z	A_A ft^2	q_z psf
57.00	PR-850	0.0000	0.04	0.00	-4.67	0.842	25.22	23
57.00	PR-850	130.0000	0.04	4.05	2.34	0.842	25.22	23
51.00	PR-850	145.0000	0.04	4.27	2.47	0.815	25.22	23
123.00	VHLP3-11W	158.4400	0.05	3.62	2.09	1.048	8.47	29
		Sum Weight:	0.17					

Dish Pressures - With Ice

Elevation ft	Dish Description	Aiming Azimuth °	Weight K	$Offset_x$ ft	$Offset_z$ ft	K_z	A_A ft^2	q_z psf	t_z in
57.00	PR-850	0.0000	0.27	0.00	-4.67	0.842	26.56	4	0.8977
57.00	PR-850	130.0000	0.27	4.05	2.34	0.842	26.56	4	0.8977
51.00	PR-850	145.0000	0.27	4.27	2.47	0.815	26.54	4	0.8878
123.00	VHLP3-11W	158.4400	0.14	3.62	2.09	1.048	9.31	5	0.9695
		Sum Weight:	0.96						

Dish Pressures - Service

Elevation ft	Dish Description	Aiming Azimuth °	Weight K	$Offset_x$ ft	$Offset_z$ ft	K_z	A_A ft^2	q_z psf
57.00	PR-850	0.0000	0.04	0.00	-4.67	0.842	25.22	7
57.00	PR-850	130.0000	0.04	4.05	2.34	0.842	25.22	7
51.00	PR-850	145.0000	0.04	4.27	2.47	0.815	25.22	6
123.00	VHLP3-11W	158.4400	0.05	3.62	2.09	1.048	8.47	8
		Sum Weight:	0.17					

Force Totals

Load Case	Vertical Forces K	Sum of Forces X K	Sum of Forces Z K	Sum of Overturning Moments, M_x kip-ft	Sum of Overturning Moments, M_z kip-ft	Sum of Torques kip-ft
Leg Weight	8.06					
Bracing Weight	4.17					
Total Member Self-Weight	12.23			2.61	-11.49	
Total Weight	29.69			2.61	-11.49	
Wind 0 deg - No Ice		-0.14	-23.41	-1917.36	0.36	14.49
Wind 30 deg - No Ice		10.97	-19.68	-1628.27	-908.57	11.47
Wind 60 deg - No Ice		19.23	-11.28	-932.37	-1589.89	9.09
Wind 90 deg - No Ice		22.63	0.14	15.27	-1859.73	4.67
Wind 120 deg - No Ice		20.40	12.13	992.15	-1658.59	-3.85
Wind 150 deg - No Ice		11.36	19.98	1642.27	-935.47	-12.51
Wind 180 deg - No Ice		0.13	22.39	1854.86	-22.24	-14.30
Wind 210 deg - No Ice		-10.97	19.68	1630.66	887.11	-11.49
Wind 240 deg - No Ice		-19.97	11.79	970.84	1614.22	-9.24
Wind 270 deg - No Ice		-22.64	-0.21	-16.11	1837.28	-4.58
Wind 300 deg - No Ice		-19.61	-11.68	-961.11	1587.24	3.86
Wind 330 deg - No Ice		-11.32	-20.01	-1642.48	911.89	12.62
Member Ice	7.54			7.26	-28.20	
Total Weight Ice	57.62			-507.10	-15.31	3.23
Wind 0 deg - Ice		-0.22	-6.36	-435.57	-263.77	3.13
Wind 30 deg - Ice		2.86	-5.45	-243.53	-456.57	2.57
Wind 60 deg - Ice		5.27	-3.05	9.84	-529.11	1.92
Wind 90 deg - Ice		6.19	0.03	275.92	-465.93	-0.07
Wind 120 deg - Ice		5.45	3.36	449.96	-273.94	-2.46
Wind 150 deg - Ice		3.03	5.47	508.66	-30.03	-3.50
Wind 180 deg - Ice		0.02	6.15	448.18	210.35	-3.33
Wind 210 deg - Ice		-2.91	5.42	266.10	411.41	-2.64
Wind 240 deg - Ice		-5.46	3.18	-7.38	477.66	-1.02
Wind 270 deg - Ice		-6.28	-0.24	-258.03	405.75	0.89
Wind 300 deg - Ice		-5.39	-3.30	-435.22	226.44	2.65
Wind 330 deg - Ice		-3.19	-5.46	2.61	-11.49	
Total Weight	29.69			-543.87	2.44	4.08
Wind 0 deg - Service		-0.04	-6.59	-462.42	-253.67	3.23
Wind 30 deg - Service		3.09	-5.54	-266.35	-445.63	2.56
Wind 60 deg - Service		5.42	-3.18	0.65	-521.66	1.31
Wind 90 deg - Service		6.37	0.04	275.89	-464.98	-1.09
Wind 120 deg - Service		5.75	3.42	459.07	-261.24	-3.52
Wind 150 deg - Service		3.20	5.63	518.98	-3.93	-4.03
Wind 180 deg - Service		0.04	6.31	455.80	252.29	-3.24
Wind 210 deg - Service		-3.09	5.55	269.89	457.15	-2.60
Wind 240 deg - Service		-5.63	3.32			

Load Case	Vertical Forces K	Sum of Forces X K	Sum of Forces Z K	Sum of Overturning Moments, M_x kip-ft	Sum of Overturning Moments, M_z kip-ft	Sum of Torques kip-ft
Wind 270 deg - Service		-6.38	-0.06	-8.19	520.01	-1.29
Wind 300 deg - Service		-5.53	-3.29	-274.44	449.56	1.09
Wind 330 deg - Service		-3.19	-5.64	-466.42	259.27	3.55
Seismic Vertical	1.54					
Seismic Horizontal 0 deg		0.00	-1.72	-164.37	0.00	0.00
Seismic Horizontal 30 deg		0.86	-1.49	-142.35	-82.19	0.00
Seismic Horizontal 60 deg		1.49	-0.86	-82.19	-142.35	0.00
Seismic Horizontal 90 deg		1.72	0.00	0.00	-164.37	0.00
Seismic Horizontal 120 deg		1.49	0.86	82.19	-142.35	0.00
Seismic Horizontal 150 deg		0.86	1.49	142.35	-82.19	0.00
Seismic Horizontal 180 deg		0.00	1.72	164.37	0.00	0.00
Seismic Horizontal 210 deg		-0.86	1.49	142.35	82.19	0.00
Seismic Horizontal 240 deg		-1.49	0.86	82.19	142.35	0.00
Seismic Horizontal 270 deg		-1.72	0.00	0.00	164.37	0.00
Seismic Horizontal 300 deg		-1.49	-0.86	-82.19	142.35	0.00
Seismic Horizontal 330 deg		-0.86	-1.49	-142.35	82.19	0.00

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

Comb. No.	Description
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service
51	1.2 Dead+1.0 Ev+1.0 Eh 0 deg
52	0.9 Dead-1.0 Ev+1.0 Eh 0 deg
53	1.2 Dead+1.0 Ev+1.0 Eh 30 deg
54	0.9 Dead-1.0 Ev+1.0 Eh 30 deg
55	1.2 Dead+1.0 Ev+1.0 Eh 60 deg
56	0.9 Dead-1.0 Ev+1.0 Eh 60 deg
57	1.2 Dead+1.0 Ev+1.0 Eh 90 deg
58	0.9 Dead-1.0 Ev+1.0 Eh 90 deg
59	1.2 Dead+1.0 Ev+1.0 Eh 120 deg
60	0.9 Dead-1.0 Ev+1.0 Eh 120 deg
61	1.2 Dead+1.0 Ev+1.0 Eh 150 deg
62	0.9 Dead-1.0 Ev+1.0 Eh 150 deg
63	1.2 Dead+1.0 Ev+1.0 Eh 180 deg
64	0.9 Dead-1.0 Ev+1.0 Eh 180 deg
65	1.2 Dead+1.0 Ev+1.0 Eh 210 deg
66	0.9 Dead-1.0 Ev+1.0 Eh 210 deg
67	1.2 Dead+1.0 Ev+1.0 Eh 240 deg
68	0.9 Dead-1.0 Ev+1.0 Eh 240 deg
69	1.2 Dead+1.0 Ev+1.0 Eh 270 deg
70	0.9 Dead-1.0 Ev+1.0 Eh 270 deg
71	1.2 Dead+1.0 Ev+1.0 Eh 300 deg
72	0.9 Dead-1.0 Ev+1.0 Eh 300 deg
73	1.2 Dead+1.0 Ev+1.0 Eh 330 deg
74	0.9 Dead-1.0 Ev+1.0 Eh 330 deg

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T1	130 - 120	Leg	Max Tension	23	2.14	0.05	0.36
			Max. Compression	2	-3.79	0.01	-0.03
			Max. Mx	8	-1.11	0.97	-0.01
			Max. My	16	-0.63	0.05	0.69
			Max. Vy	8	-0.49	0.00	0.00
			Max. Vx	16	-0.35	0.00	0.00
		Diagonal	Max Tension	10	1.59	0.00	0.00
			Max. Compression	22	-1.60	0.00	0.00
			Max. Mx	2	-0.08	0.01	0.00
			Max. My	22	-1.59	0.01	-0.01
			Max. Vy	30	-0.02	0.01	0.00
			Max. Vx	22	-0.00	0.00	0.00
		Top Girt	Max Tension	15	0.12	0.00	0.00
			Max. Compression	2	-0.15	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	26	-0.02	-0.03	0.00
			Max. My	24	0.01	0.00	-0.00
			Max. Vy	26	0.02	0.00	0.00
			Max. Vx	24	0.00	0.00	0.00
T2	120 - 115	Leg	Max Tension	23	4.83	0.35	0.32
			Max. Compression	2	-8.59	-0.01	0.15
			Max. Mx	20	3.90	-0.51	0.13
			Max. My	14	-3.07	0.07	0.52
			Max. Vy	20	-0.94	-0.07	-0.00
			Max. Vx	2	-1.08	0.06	0.51
		Diagonal	Max Tension	10	2.26	0.00	0.00
			Max. Compression	22	-2.26	0.00	0.00
			Max. Mx	2	-0.02	0.01	-0.00
			Max. My	22	-2.25	0.00	-0.01
			Max. Vy	29	-0.01	0.01	0.00
			Max. Vx	22	-0.00	0.00	0.00
		Top Girt	Max Tension	2	0.56	0.00	0.00
			Max. Compression	14	-0.57	0.00	0.00
			Max. Mx	26	-0.01	-0.02	0.00
			Max. My	24	-0.01	0.00	-0.00
			Max. Vy	26	0.02	0.00	0.00
			Max. Vx	24	0.00	0.00	0.00
T3	115 - 110	Leg	Max Tension	23	7.83	0.15	0.05
			Max. Compression	2	-13.17	0.03	-0.01
			Max. Mx	20	5.92	0.19	-0.05
			Max. My	24	-1.35	0.12	0.20
			Max. Vy	18	0.07	0.18	-0.14
			Max. Vx	4	0.08	-0.12	0.19
		Diagonal	Max Tension	22	2.90	0.00	0.00
			Max. Compression	10	-2.95	0.00	0.00
			Max. Mx	28	0.16	0.02	0.00
			Max. My	20	-1.64	0.00	-0.01
			Max. Vy	27	-0.01	0.02	0.00
			Max. Vx	20	0.00	0.00	-0.01
T4	110 - 105	Leg	Max Tension	15	14.96	-0.03	0.02
			Max. Compression	2	-22.20	0.02	0.00
			Max. Mx	6	-11.72	0.09	-0.00
			Max. My	4	-2.85	-0.05	0.09
			Max. Vy	8	-0.96	0.02	-0.01
			Max. Vx	2	0.96	0.00	-0.03
		Diagonal	Max Tension	24	4.25	0.00	0.00
			Max. Compression	24	-4.22	0.00	0.00
			Max. Mx	4	1.94	0.02	-0.00
			Max. My	22	-3.69	-0.00	-0.01
			Max. Vy	28	-0.01	0.01	0.00
			Max. Vx	22	-0.00	0.00	0.00
T5	105 - 100	Leg	Max Tension	15	23.17	-0.02	-0.08
			Max. Compression	2	-31.79	0.02	0.00
			Max. Mx	9	-2.96	-0.12	-0.00
			Max. My	3	10.69	-0.03	0.14
			Max. Vy	8	0.08	0.05	0.01
			Max. Vx	4	-0.09	-0.07	0.13
		Diagonal	Max Tension	24	4.51	0.00	0.00
			Max. Compression	24	-4.56	-0.01	0.00
			Max. Mx	2	3.88	0.03	0.00
			Max. My	23	-2.85	-0.01	-0.01
			Max. Vy	27	-0.02	0.02	0.00
			Max. Vx	23	0.00	-0.01	-0.01
		Secondary Horizontal	Max Tension	20	0.13	0.00	0.00
			Max. Compression	9	-0.12	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	10	0.10	0.02	0.00
			Max. My	2	-0.03	0.00	-0.01
			Max. Vy	27	0.02	0.02	-0.00
			Max. Vx	10	0.00	0.00	0.00
T6	100 - 80	Leg	Max Tension	15	70.98	-0.05	-0.27
			Max. Compression	2	-84.86	-0.09	-0.62
			Max. Mx	20	57.98	-0.56	-0.17
			Max. My	3	-82.89	-0.09	-0.63
			Max. Vy	8	0.77	-0.35	0.00
			Max. Vx	14	0.82	0.01	-0.37
		Diagonal	Max Tension	24	7.15	0.00	0.00
			Max. Compression	24	-7.34	0.00	0.00
			Max. Mx	2	5.99	0.03	-0.00
			Max. My	2	-5.28	-0.00	-0.01
			Max. Vy	31	-0.02	0.02	-0.00
			Max. Vx	2	0.00	0.00	0.00
T7	80 - 60	Leg	Max Tension	15	105.33	-0.05	0.01
			Max. Compression	2	-122.16	0.19	-0.04
			Max. Mx	18	-90.17	1.32	0.06
			Max. My	14	-49.74	0.60	0.71
			Max. Vy	19	-3.92	1.32	0.06
			Max. Vx	14	-2.28	0.60	0.71
		Diagonal	Max Tension	24	4.75	0.00	0.00
			Max. Compression	24	-5.03	0.00	0.00
			Max. Mx	2	2.55	0.03	-0.01
			Max. My	24	-5.00	-0.01	-0.01
			Max. Vy	31	-0.02	0.02	0.00
			Max. Vx	24	0.00	0.00	0.00
		Top Girt	Max Tension	11	0.20	0.00	0.00
			Max. Compression	22	-0.34	0.00	0.00
			Max. Mx	31	0.01	-0.02	0.00
			Max. My	27	-0.10	0.00	0.00
			Max. Vy	31	0.02	0.00	0.00
			Max. Vx	27	0.00	0.00	0.00
T8	60 - 40	Leg	Max Tension	15	132.00	-0.17	0.00
			Max. Compression	10	-152.10	-0.07	0.01
			Max. Mx	31	-54.01	0.21	-0.00
			Max. My	5	-4.12	0.00	-0.28
			Max. Vy	14	0.12	-0.21	0.06
			Max. Vx	2	0.18	-0.13	-0.23
		Diagonal	Max Tension	24	4.67	0.00	0.00
			Max. Compression	24	-4.80	0.00	0.00
			Max. Mx	31	0.58	0.03	0.00
			Max. My	2	-4.27	-0.01	-0.01
			Max. Vy	31	-0.02	0.03	0.00
			Max. Vx	2	0.00	0.00	0.00
T9	40 - 20	Leg	Max Tension	15	152.29	0.44	0.03
			Max. Compression	10	-176.08	-0.46	0.00
			Max. Mx	10	-175.83	0.84	-0.01
			Max. My	4	-7.38	-0.09	-0.74
			Max. Vy	2	-0.32	0.84	-0.00
			Max. Vx	4	-0.22	-0.09	-0.74
		Diagonal	Max Tension	25	5.98	0.08	-0.02
			Max. Compression	24	-6.33	0.00	0.00
			Max. Mx	10	3.61	0.12	0.02
			Max. My	12	-6.24	-0.05	0.04
			Max. Vy	29	0.04	0.07	-0.00
			Max. Vx	12	0.01	0.00	0.00
		Secondary Horizontal	Max Tension	6	0.36	0.01	-0.00
			Max. Compression	5	-0.44	0.00	0.01

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	34	-0.05	0.02	0.00
			Max. My	14	-0.33	0.01	0.01
			Max. Vy	28	0.02	0.02	0.00
			Max. Vx	14	-0.00	0.00	0.00
T10	20 - 0	Leg	Max Tension	23	173.41	0.51	-0.01
			Max. Compression	10	-201.37	0.00	0.00
			Max. Mx	10	-189.01	0.96	-0.01
			Max. My	4	-8.82	-0.11	-0.88
			Max. Vy	2	0.34	0.96	0.00
			Max. Vx	4	0.24	-0.11	-0.88
		Diagonal	Max Tension	25	5.74	0.07	-0.01
			Max. Compression	24	-5.93	0.00	0.00
			Max. Mx	12	0.96	0.11	0.02
			Max. My	12	-5.79	-0.03	0.03
			Max. Vy	29	0.04	0.09	-0.00
			Max. Vx	12	0.01	0.00	0.00
		Secondary Horizontal	Max Tension	6	0.40	0.00	0.00
			Max. Compression	5	-0.48	0.01	0.01
			Max. Mx	34	-0.09	0.02	0.00
			Max. My	14	-0.41	0.01	0.01
			Max. Vy	34	-0.02	0.02	0.00
			Max. Vx	14	-0.00	0.00	0.00

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Leg C	Max. Vert	18	202.39	12.86	-6.90
	Max. H_x	18	202.39	12.86	-6.90
	Max. H_z	7	-177.22	-11.50	6.11
	Min. Vert	7	-177.22	-11.50	6.11
	Min. H_x	7	-177.22	-11.50	6.11
	Min. H_z	18	202.39	12.86	-6.90
Leg B	Max. Vert	10	207.76	-12.82	-7.64
	Max. H_x	23	-178.63	11.42	6.82
	Max. H_z	25	-153.96	9.33	6.89
	Min. Vert	23	-178.63	11.42	6.82
	Min. H_x	10	207.76	-12.82	-7.64
	Min. H_z	10	207.76	-12.82	-7.64
Leg A	Max. Vert	2	205.97	0.74	14.74
	Max. H_x	22	109.15	1.53	7.55
	Max. H_z	2	205.97	0.74	14.74
	Min. Vert	15	-178.48	-0.73	-13.08
	Min. H_x	11	-91.30	-1.43	-6.98
	Min. H_z	15	-178.48	-0.73	-13.08

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

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	29.69	0.00	0.00	2.61	-11.53	-0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	35.63	-0.14	-23.41	-1933.04	-2.01	14.59
0.9 Dead+1.0 Wind 0 deg - No Ice	26.72	-0.14	-23.41	-1929.58	1.47	14.56
1.2 Dead+1.0 Wind 30 deg - No Ice	35.63	10.97	-19.68	-1641.58	-918.57	11.56
0.9 Dead+1.0 Wind 30 deg - No Ice	26.72	10.97	-19.68	-1638.74	-913.09	11.53
1.2 Dead+1.0 Wind 60 deg - No Ice	35.63	19.23	-11.28	-939.78	-1605.63	9.14
0.9 Dead+1.0 Wind 60 deg - No Ice	26.72	19.23	-11.28	-938.48	-1598.64	9.12
1.2 Dead+1.0 Wind 90 deg - No Ice	35.63	22.63	0.14	15.91	-1877.68	4.66
0.9 Dead+1.0 Wind 90 deg - No Ice	26.72	22.63	0.14	15.10	-1870.11	4.67
1.2 Dead+1.0 Wind 120 deg - No Ice	35.63	20.40	12.13	1000.98	-1674.75	-3.90
0.9 Dead+1.0 Wind 120 deg - No Ice	26.72	20.40	12.13	998.02	-1667.64	-3.89
1.2 Dead+1.0 Wind 150 deg - No Ice	35.63	11.36	19.98	1656.62	-945.66	-12.59
0.9 Dead+1.0 Wind 150 deg - No Ice	26.72	11.36	19.98	1652.21	-940.13	-12.57
1.2 Dead+1.0 Wind 180 deg - No Ice	35.63	0.13	22.39	1871.09	-24.81	-14.39
0.9 Dead+1.0 Wind 180 deg - No Ice	26.72	0.13	22.39	1866.21	-21.27	-14.37
1.2 Dead+1.0 Wind 210 deg - No Ice	35.63	-10.97	19.68	1645.01	892.19	-11.59
0.9 Dead+1.0 Wind 210 deg - No Ice	26.72	-10.97	19.68	1640.62	893.72	-11.56
1.2 Dead+1.0 Wind 240 deg - No Ice	35.63	-19.97	11.79	979.57	1625.40	-9.29
0.9 Dead+1.0 Wind 240 deg - No Ice	26.72	-19.97	11.79	976.65	1625.33	-9.28
1.2 Dead+1.0 Wind 270 deg - No Ice	35.63	-22.64	-0.21	-15.77	1850.36	-4.57
0.9 Dead+1.0 Wind 270 deg - No Ice	26.72	-22.64	-0.21	-16.50	1849.81	-4.57
1.2 Dead+1.0 Wind 300 deg - No Ice	35.63	-19.61	-11.68	-968.77	1598.19	3.91
0.9 Dead+1.0 Wind 300 deg - No Ice	26.72	-19.61	-11.68	-967.42	1598.19	3.89
1.2 Dead+1.0 Wind 330 deg - No Ice	35.63	-11.32	-20.01	-1655.87	917.16	12.70
0.9 Dead+1.0 Wind 330 deg - No Ice	26.72	-11.32	-20.01	-1653.02	918.64	12.68
1.2 Dead+1.0 Ice+1.0 Temp	63.56	0.00	0.00	7.79	-31.03	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	63.56	-0.22	-6.36	-514.31	-18.06	3.29
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	63.56	2.86	-5.45	-441.71	-270.23	3.19
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	63.56	5.27	-3.05	-246.80	-465.88	2.60
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	63.56	6.19	0.03	10.42	-539.52	1.92
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	63.56	5.45	3.36	280.48	-475.35	-0.10
1.2 Dead+1.0 Wind 150	63.56	3.03	5.47	457.17	-280.50	-2.51

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
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	63.56	0.02	6.15	516.79	-32.92	-3.56
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	63.56	-2.91	5.42	455.39	211.11	-3.38
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	63.56	-5.46	3.18	270.57	415.14	-2.67
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	63.56	-6.28	-0.24	-6.98	482.38	-1.02
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	63.56	-5.39	-3.30	-261.44	409.37	0.92
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	63.56	-3.19	-5.46	-441.35	227.36	2.70
Dead+Wind 0 deg - Service	29.69	-0.04	-6.59	-542.12	-8.24	4.10
Dead+Wind 30 deg - Service	29.69	3.09	-5.54	-460.12	-266.12	3.25
Dead+Wind 60 deg - Service	29.69	5.42	-3.18	-262.67	-459.42	2.57
Dead+Wind 90 deg - Service	29.69	6.37	0.04	6.21	-535.96	1.31
Dead+Wind 120 deg - Service	29.69	5.75	3.42	283.35	-478.86	-1.10
Dead+Wind 150 deg - Service	29.69	3.20	5.63	467.81	-273.74	-3.54
Dead+Wind 180 deg - Service	29.69	0.04	6.31	528.16	-14.65	-4.05
Dead+Wind 210 deg - Service	29.69	-3.09	5.55	464.55	243.35	-3.26
Dead+Wind 240 deg - Service	29.69	-5.63	3.32	277.33	449.64	-2.61
Dead+Wind 270 deg - Service	29.69	-6.38	-0.06	-2.70	512.93	-1.29
Dead+Wind 300 deg - Service	29.69	-5.53	-3.29	-270.83	441.99	1.10
Dead+Wind 330 deg - Service	29.69	-3.19	-5.64	-464.14	250.37	3.57
1.2 Dead+1.0 Ev+1.0 Eh 0 deg	37.17	0.00	-1.72	-162.82	-13.93	0.01
0.9 Dead-1.0 Ev+1.0 Eh 0 deg	25.18	0.00	-1.72	-163.09	-10.42	0.01
1.2 Dead+1.0 Ev+1.0 Eh 30 deg	37.17	0.86	-1.49	-140.59	-96.91	0.01
0.9 Dead-1.0 Ev+1.0 Eh 30 deg	25.18	0.86	-1.49	-140.93	-93.12	0.01
1.2 Dead+1.0 Ev+1.0 Eh 60 deg	37.17	1.49	-0.86	-79.85	-157.66	0.00
0.9 Dead-1.0 Ev+1.0 Eh 60 deg	25.18	1.49	-0.86	-80.37	-153.70	0.00
1.2 Dead+1.0 Ev+1.0 Eh 90 deg	37.17	1.72	0.00	3.15	-179.88	0.00
0.9 Dead-1.0 Ev+1.0 Eh 90 deg	25.18	1.72	0.00	2.36	-175.85	0.00
1.2 Dead+1.0 Ev+1.0 Eh 120 deg	37.17	1.49	0.86	86.11	-157.66	-0.00
0.9 Dead-1.0 Ev+1.0 Eh 120 deg	25.18	1.49	0.86	85.07	-153.69	-0.00
1.2 Dead+1.0 Ev+1.0 Eh 150 deg	37.17	0.86	1.49	146.84	-96.92	-0.01
0.9 Dead-1.0 Ev+1.0 Eh 150 deg	25.18	0.86	1.49	145.62	-93.14	-0.01
1.2 Dead+1.0 Ev+1.0 Eh 180 deg	37.17	0.00	1.72	169.09	-13.94	-0.01
0.9 Dead-1.0 Ev+1.0 Eh 180 deg	25.18	0.00	1.72	167.79	-10.42	-0.01
1.2 Dead+1.0 Ev+1.0 Eh 210 deg	37.17	-0.86	1.49	146.84	69.05	-0.01
0.9 Dead-1.0 Ev+1.0 Eh 210 deg	25.18	-0.86	1.49	145.61	72.31	-0.01
1.2 Dead+1.0 Ev+1.0 Eh 240 deg	37.17	-1.49	0.86	86.11	129.79	-0.00
0.9 Dead-1.0 Ev+1.0 Eh 240 deg	25.18	-1.49	0.86	85.07	132.86	-0.00
1.2 Dead+1.0 Ev+1.0 Eh 270 deg	37.17	-1.72	0.00	3.14	152.01	-0.00
0.9 Dead-1.0 Ev+1.0 Eh 270 deg	25.18	-1.72	0.00	2.36	155.02	-0.00
1.2 Dead+1.0 Ev+1.0 Eh 300 deg	37.17	-1.49	-0.86	-79.85	129.79	0.00
0.9 Dead-1.0 Ev+1.0 Eh 300 deg	25.18	-1.49	-0.86	-80.37	132.86	0.00

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
1.2 Dead+1.0 Ev+1.0 Eh 330 deg	37.17	-0.86	-1.49	-140.59	69.03	0.01
0.9 Dead-1.0 Ev+1.0 Eh 330 deg	25.18	-0.86	-1.49	-140.93	72.29	0.01

Solution Summary

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
1	0.00	-29.69	0.00	0.00	29.69	0.00	0.000%
2	-0.14	-35.63	-23.41	0.14	35.63	23.41	0.000%
3	-0.14	-26.72	-23.41	0.14	26.72	23.41	0.000%
4	10.97	-35.63	-19.68	-10.97	35.63	19.68	0.000%
5	10.97	-26.72	-19.68	-10.97	26.72	19.68	0.000%
6	19.23	-35.63	-11.28	-19.23	35.63	11.28	0.000%
7	19.23	-26.72	-11.28	-19.23	26.72	11.28	0.000%
8	22.63	-35.63	0.14	-22.63	35.63	-0.14	0.000%
9	22.63	-26.72	0.14	-22.63	26.72	-0.14	0.000%
10	20.40	-35.63	12.13	-20.40	35.63	-12.13	0.000%
11	20.40	-26.72	12.13	-20.40	26.72	-12.13	0.000%
12	11.36	-35.63	19.98	-11.36	35.63	-19.98	0.000%
13	11.36	-26.72	19.98	-11.36	26.72	-19.98	0.000%
14	0.13	-35.63	22.39	-0.13	35.63	-22.39	0.000%
15	0.13	-26.72	22.39	-0.13	26.72	-22.39	0.000%
16	-10.97	-35.63	19.68	10.97	35.63	-19.68	0.000%
17	-10.97	-26.72	19.68	10.97	26.72	-19.68	0.000%
18	-19.97	-35.63	11.79	19.97	35.63	-11.79	0.000%
19	-19.97	-26.72	11.79	19.97	26.72	-11.79	0.000%
20	-22.64	-35.63	-0.21	22.64	35.63	0.21	0.000%
21	-22.64	-26.72	-0.21	22.64	26.72	0.21	0.000%
22	-19.61	-35.63	-11.68	19.61	35.63	11.68	0.000%
23	-19.61	-26.72	-11.68	19.61	26.72	11.68	0.000%
24	-11.32	-35.63	-20.01	11.32	35.63	20.01	0.000%
25	-11.32	-26.72	-20.01	11.32	26.72	20.01	0.000%
26	0.00	-63.56	0.00	0.00	63.56	0.00	0.000%
27	-0.22	-63.56	-6.36	0.22	63.56	6.36	0.000%
28	2.86	-63.56	-5.45	-2.86	63.56	5.45	0.000%
29	5.27	-63.56	-3.05	-5.27	63.56	3.05	0.000%
30	6.19	-63.56	0.03	-6.19	63.56	-0.03	0.000%
31	5.45	-63.56	3.36	-5.45	63.56	-3.36	0.000%
32	3.03	-63.56	5.47	-3.03	63.56	-5.47	0.000%
33	0.02	-63.56	6.15	-0.02	63.56	-6.15	0.000%
34	-2.91	-63.56	5.42	2.91	63.56	-5.42	0.000%
35	-5.46	-63.56	3.18	5.46	63.56	-3.18	0.000%
36	-6.28	-63.56	-0.24	6.28	63.56	0.24	0.000%
37	-5.39	-63.56	-3.30	5.39	63.56	3.30	0.000%
38	-3.19	-63.56	-5.46	3.19	63.56	5.46	0.000%
39	-0.04	-29.69	-6.59	0.04	29.69	6.59	0.000%
40	3.09	-29.69	-5.54	-3.09	29.69	5.54	0.000%
41	5.42	-29.69	-3.18	-5.42	29.69	3.18	0.000%
42	6.37	-29.69	0.04	-6.37	29.69	-0.04	0.000%
43	5.75	-29.69	3.42	-5.75	29.69	-3.42	0.000%
44	3.20	-29.69	5.63	-3.20	29.69	-5.63	0.000%
45	0.04	-29.69	6.31	-0.04	29.69	-6.31	0.000%
46	-3.09	-29.69	5.55	3.09	29.69	-5.55	0.000%
47	-5.63	-29.69	3.32	5.63	29.69	-3.32	0.000%
48	-6.38	-29.69	-0.06	6.38	29.69	0.06	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
49	-5.53	-29.69	-3.29	5.53	29.69	3.29	0.000%
50	-3.19	-29.69	-5.64	3.19	29.69	5.64	0.000%
51	0.00	-37.17	-1.72	0.00	37.17	1.72	0.000%
52	0.00	-25.18	-1.72	0.00	25.18	1.72	0.000%
53	0.86	-37.17	-1.49	-0.86	37.17	1.49	0.000%
54	0.86	-25.18	-1.49	-0.86	25.18	1.49	0.000%
55	1.49	-37.17	-0.86	-1.49	37.17	0.86	0.000%
56	1.49	-25.18	-0.86	-1.49	25.18	0.86	0.000%
57	1.72	-37.17	0.00	-1.72	37.17	0.00	0.000%
58	1.72	-25.18	0.00	-1.72	25.18	0.00	0.000%
59	1.49	-37.17	0.86	-1.49	37.17	-0.86	0.000%
60	1.49	-25.18	0.86	-1.49	25.18	-0.86	0.000%
61	0.86	-37.17	1.49	-0.86	37.17	-1.49	0.000%
62	0.86	-25.18	1.49	-0.86	25.18	-1.49	0.000%
63	0.00	-37.17	1.72	0.00	37.17	-1.72	0.000%
64	0.00	-25.18	1.72	0.00	25.18	-1.72	0.000%
65	-0.86	-37.17	1.49	0.86	37.17	-1.49	0.000%
66	-0.86	-25.18	1.49	0.86	25.18	-1.49	0.000%
67	-1.49	-37.17	0.86	1.49	37.17	-0.86	0.000%
68	-1.49	-25.18	0.86	1.49	25.18	-0.86	0.000%
69	-1.72	-37.17	0.00	1.72	37.17	0.00	0.000%
70	-1.72	-25.18	0.00	1.72	25.18	0.00	0.000%
71	-1.49	-37.17	-0.86	1.49	37.17	0.86	0.000%
72	-1.49	-25.18	-0.86	1.49	25.18	0.86	0.000%
73	-0.86	-37.17	-1.49	0.86	37.17	1.49	0.000%
74	-0.86	-25.18	-1.49	0.86	25.18	1.49	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00000544
3	Yes	4	0.00000001	0.00000576
4	Yes	4	0.00000001	0.00001015
5	Yes	4	0.00000001	0.00000918
6	Yes	4	0.00000001	0.00001230
7	Yes	4	0.00000001	0.00001067
8	Yes	4	0.00000001	0.00000979
9	Yes	4	0.00000001	0.00000882
10	Yes	4	0.00000001	0.00000544
11	Yes	4	0.00000001	0.00000577
12	Yes	4	0.00000001	0.00001003
13	Yes	4	0.00000001	0.00000904
14	Yes	4	0.00000001	0.00001255
15	Yes	4	0.00000001	0.00001094
16	Yes	4	0.00000001	0.00001042
17	Yes	4	0.00000001	0.00000939
18	Yes	4	0.00000001	0.00000506
19	Yes	4	0.00000001	0.00000535
20	Yes	4	0.00000001	0.00000962
21	Yes	4	0.00000001	0.00000870
22	Yes	4	0.00000001	0.00001244
23	Yes	4	0.00000001	0.00001090
24	Yes	4	0.00000001	0.00000957
25	Yes	4	0.00000001	0.00000870

26	Yes	4	0.00000001	0.00000001
27	Yes	4	0.00000001	0.00001099
28	Yes	4	0.00000001	0.00001121
29	Yes	4	0.00000001	0.00001136
30	Yes	4	0.00000001	0.00001121
31	Yes	4	0.00000001	0.00001105
32	Yes	4	0.00000001	0.00001109
33	Yes	4	0.00000001	0.00001113
34	Yes	4	0.00000001	0.00001089
35	Yes	4	0.00000001	0.00001061
36	Yes	4	0.00000001	0.00001069
37	Yes	4	0.00000001	0.00001091
38	Yes	4	0.00000001	0.00001093
39	Yes	4	0.00000001	0.00000001
40	Yes	4	0.00000001	0.00000001
41	Yes	4	0.00000001	0.00000001
42	Yes	4	0.00000001	0.00000001
43	Yes	4	0.00000001	0.00000001
44	Yes	4	0.00000001	0.00000001
45	Yes	4	0.00000001	0.00000001
46	Yes	4	0.00000001	0.00000001
47	Yes	4	0.00000001	0.00000001
48	Yes	4	0.00000001	0.00000001
49	Yes	4	0.00000001	0.00000001
50	Yes	4	0.00000001	0.00000001
51	Yes	4	0.00000001	0.00000001
52	Yes	4	0.00000001	0.00000001
53	Yes	4	0.00000001	0.00000001
54	Yes	4	0.00000001	0.00000001
55	Yes	4	0.00000001	0.00000001
56	Yes	4	0.00000001	0.00000001
57	Yes	4	0.00000001	0.00000001
58	Yes	4	0.00000001	0.00000001
59	Yes	4	0.00000001	0.00000001
60	Yes	4	0.00000001	0.00000001
61	Yes	4	0.00000001	0.00000001
62	Yes	4	0.00000001	0.00000001
63	Yes	4	0.00000001	0.00000001
64	Yes	4	0.00000001	0.00000001
65	Yes	4	0.00000001	0.00000001
66	Yes	4	0.00000001	0.00000001
67	Yes	4	0.00000001	0.00000001
68	Yes	4	0.00000001	0.00000001
69	Yes	4	0.00000001	0.00000001
70	Yes	4	0.00000001	0.00000001
71	Yes	4	0.00000001	0.00000001
72	Yes	4	0.00000001	0.00000001
73	Yes	4	0.00000001	0.00000001
74	Yes	4	0.00000001	0.00000001

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	130 - 120	3.722	43	0.2384	0.0672
T2	120 - 115	3.230	43	0.2362	0.0649
T3	115 - 110	2.986	43	0.2335	0.0599
T4	110 - 105	2.742	43	0.2291	0.0579
T5	105 - 100	2.498	43	0.2226	0.0557

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T6	100 - 80	2.264	43	0.2130	0.0533
T7	80 - 60	1.407	43	0.1723	0.0396
T8	60 - 40	0.762	43	0.1204	0.0249
T9	40 - 20	0.327	43	0.0744	0.0116
T10	20 - 0	0.085	43	0.0343	0.0051

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
130.00	Lightning Rod	43	3.722	0.2384	0.0672	183400
128.00	3"x12' Omni	43	3.623	0.2381	0.0674	183400
125.00	CCISeismic Tower Section 1	43	3.475	0.2376	0.0672	183400
124.00	CCISeismic (2) heliax-hj 7/8" From 9 to 128 (120ft to128ft)	43	3.426	0.2374	0.0670	153318
123.00	VHLP3-11W	43	3.377	0.2371	0.0667	133902
121.50	CCISeismic commscope EW90(ELLIPTICAL) From 0 to 123 (120ft to123ft)	43	3.304	0.2367	0.0660	119291
118.00	Air 6449 B41 w/ Pipe Mount	43	3.132	0.2353	0.0628	117974
117.50	CCISeismic Tower Section 2	43	3.108	0.2350	0.0623	117206
116.50	CCISeismic miscl Safety Line 3/8 From 0 to 118 (115ft to118ft)	43	3.059	0.2345	0.0613	121633
112.50	CCISeismic Tower Section 3	43	2.865	0.2316	0.0587	174238
110.00	OPA65R-BU6DA w/ Mount Pipe	43	2.742	0.2291	0.0579	326896
107.50	CCISeismic Tower Section 4	43	2.620	0.2261	0.0569	46406
102.50	CCISeismic Tower Section 5	43	2.380	0.2181	0.0545	29394
96.00	MT6407-77A w/Mount Pipe	43	2.082	0.2051	0.0510	44858
90.00	CCISeismic Tower Section 6	43	1.816	0.1934	0.0471	29642
88.25	CCISeismic (8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5 (80ft to96.5ft)	43	1.741	0.1899	0.0458	26959
87.50	CCISeismic T-Brackets From 9.5 to 95 (80ft to95ft)	43	1.709	0.1884	0.0453	25952
70.00	CCISeismic Tower Section 7	43	1.056	0.1470	0.0324	21104
57.00	PR-850	43	0.684	0.1129	0.0226	23807
55.00	1.9"Ø x 9.8' Pipe Mount	43	0.635	0.1080	0.0212	23942
51.00	PR-850	43	0.542	0.0986	0.0183	24192
50.00	CCISeismic Tower Section 8	43	0.520	0.0963	0.0176	24255
48.50	CCISeismic heliax-hj 7/8" From 9 to 57 (40ft to57ft)	43	0.488	0.0929	0.0166	24351
47.50	CCISeismic (2) heliax-hj 7/8" From 9.5 to 55 (40ft to55ft)	43	0.467	0.0907	0.0160	24415
30.00	CCISeismic Tower Section 9	43	0.182	0.0536	0.0077	25290
14.75	CCISeismic (8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5 (9.5ft to20ft)	43	0.052	0.0249	0.0038	34828
14.50	CCISeismic heliax-hj 7/8" From 9 to 57 (9ft to20ft)	43	0.051	0.0244	0.0037	35429
14.25	CCISeismic T-Brackets From 8.5 to 110 (8.5ft to20ft)	43	0.050	0.0240	0.0036	36050
10.00	CCISeismic Tower Section 10	43	0.031	0.0167	0.0026	51372

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	130 - 120	13.125	2	0.8380	0.2391
T2	120 - 115	11.366	2	0.8327	0.2306
T3	115 - 110	10.494	2	0.8247	0.2131
T4	110 - 105	9.627	2	0.8106	0.2059
T5	105 - 100	8.762	2	0.7869	0.1981
T6	100 - 80	7.940	10	0.7509	0.1894
T7	80 - 60	4.937	10	0.6041	0.1409
T8	60 - 40	2.676	10	0.4217	0.0885
T9	40 - 20	1.149	10	0.2605	0.0414
T10	20 - 0	0.300	10	0.1201	0.0181

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
130.00	Lightning Rod	2	13.125	0.8380	0.2391	56614
128.00	3"x12' Omni	2	12.772	0.8375	0.2395	56614
125.00	CCISeismic Tower Section 1	2	12.244	0.8364	0.2390	56614
124.00	CCISeismic (2) heliax-hj 7/8" From 9 to 128 (120ft to128ft)	2	12.068	0.8359	0.2383	47343
123.00	VHLP3-11W	2	11.892	0.8353	0.2371	41424
121.50	CCISeismic commscope EW90(ELLIPTICAL) From 0 to 123 (120ft to123ft)	2	11.629	0.8342	0.2345	37114
118.00	Air 6449 B41 w/ Pipe Mount	2	11.016	0.8301	0.2234	42344
117.50	CCISeismic Tower Section 2	2	10.929	0.8294	0.2215	42081
116.50	CCISeismic miscl Safety Line 3/8 From 0 to 118 (115ft to118ft)	2	10.755	0.8277	0.2178	44067
112.50	CCISeismic Tower Section 3	2	10.061	0.8186	0.2086	52580
110.00	OPA65R-BU6DA w/ Mount Pipe	2	9.627	0.8106	0.2059	136615
107.50	CCISeismic Tower Section 4	2	9.192	0.8004	0.2023	13862
102.50	CCISeismic Tower Section 5	10	8.346	0.7697	0.1938	8562
96.00	MT6407-77A w/Mount Pipe	10	7.301	0.7216	0.1814	12838
90.00	CCISeismic Tower Section 6	10	6.370	0.6793	0.1675	8430
88.25	CCISeismic (8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5 (80ft to96.5ft)	10	6.107	0.6668	0.1630	7659
87.50	CCISeismic T-Brackets From 9.5 to 95 (80ft to95ft)	10	5.995	0.6614	0.1611	7370
70.00	CCISeismic Tower Section 7	10	3.707	0.5146	0.1151	5961
57.00	PR-850	10	2.403	0.3954	0.0805	6780
55.00	1.9"Ø x 9.8' Pipe Mount	10	2.229	0.3783	0.0753	6820
51.00	PR-850	10	1.903	0.3454	0.0651	6895
50.00	CCISeismic Tower Section 8	10	1.826	0.3374	0.0627	6914
48.50	CCISeismic heliax-hj 7/8" From 9 to 57 (40ft to57ft)	10	1.713	0.3255	0.0591	6943
47.50	CCISeismic (2) heliax-hj 7/8" From 9.5 to 55 (40ft to55ft)	10	1.640	0.3176	0.0568	6962
30.00	CCISeismic Tower Section 9	10	0.641	0.1878	0.0276	7212
14.75	CCISeismic (8) (6) 1-5/8"; (2) 1-5/8" Hybrid From 9.5 to 96.5 (9.5ft to20ft)	10	0.184	0.0871	0.0134	9934
14.50	CCISeismic heliax-hj 7/8" From 9 to	10	0.180	0.0855	0.0131	10105

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
14.25	57 (9ft to20ft) CCISeismic T-Brackets From 8.5 to 110 (8.5ft to20ft)	10	0.175	0.0840	0.0129	10283
10.00	CCISeismic Tower Section 10	10	0.109	0.0584	0.0091	14653

Bolt Design Data

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load / Allowable	Allowable Ratio	Criteria
T1	130	Leg	A325N	0.6250	4	0.53	20.34	0.026	1	Bolt Tension
		Diagonal	A325N	0.6250	1	1.59	12.49	0.127	1	Member Block Shear
		Top Girt	A325N	0.6250	1	0.15	13.81	0.011	1	Bolt Shear
T2	120	Diagonal	A325N	0.6250	1	2.26	7.88	0.287	1	Member Block Shear
		Top Girt	A325N	0.3750	1	0.57	4.97	0.116	1	Bolt Shear
T3	115	Diagonal	A325N	0.6250	1	2.90	7.88	0.369	1	Member Block Shear
T4	110	Diagonal	A325N	0.6250	1	4.25	7.88	0.540	1	Member Block Shear
T5	105	Leg	A325N	0.7500	4	5.79	30.10	0.192	1	Bolt Tension
		Diagonal	A325N	0.6250	1	4.51	7.88	0.573	1	Member Block Shear
		Secondary Horizontal	A325N	0.6250	1	0.60	10.66	0.057	1	Member Block Shear
T6	100	Leg	A325N	1.0000	4	17.74	54.52	0.325	1	Bolt Tension
		Diagonal	A325N	0.6250	1	7.15	8.63	0.829	1	Member Block Shear
T7	80	Leg	A325N	1.0000	4	26.33	54.52	0.483	1	Bolt Tension
		Diagonal	A325N	0.6250	1	4.75	8.63	0.550	1	Member Block Shear
		Top Girt	A325N	0.3750	1	2.12	4.97	0.426	1	Bolt Shear
T8	60	Leg	A325N	1.0000	6	22.00	54.52	0.404	1	Bolt Tension
		Diagonal	A325N	0.6250	1	4.67	8.63	0.541	1	Member Block Shear
T9	40	Leg	A325N	1.0000	6	25.36	54.52	0.465	1	Bolt Tension
		Diagonal	A325N	0.6250	1	6.33	13.81	0.459	1	Bolt Shear
		Secondary Horizontal	A325N	0.6250	1	3.63	5.76	0.631	1	Member Block Shear
T10	20	Diagonal	A325N	0.6250	1	5.93	13.81	0.430	1	Bolt Shear
		Secondary Horizontal	A325N	0.6250	1	3.92	5.76	0.681	1	Member Block Shear

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	130 - 120	1 3/4	10.00	5.00	137.1 K=1.00	2.4053	-3.79	28.89	0.131 [1]
T2	120 - 115	1 3/4	5.00	4.50	123.4 K=1.00	2.4053	-8.59	35.67	0.241 [1]
T3	115 - 110	1 3/4	5.00	5.00	137.1 K=1.00	2.4053	-13.17	28.89	0.456 [1]
T4	110 - 105	1 3/4	5.00	5.00	137.1 K=1.00	2.4053	-22.20	28.89	0.768 [1]
T5	105 - 100	1 3/4	5.00	2.50	68.6 K=1.00	2.4053	-31.79	76.75	0.414 [1]
T6	100 - 80	2 1/2	20.00	5.00	96.0 K=1.00	4.9087	-84.86	112.60	0.754 [1]
T7	80 - 60	2 3/4	20.02	4.88	85.2 K=1.00	5.9396	-122.16	157.26	0.777 [1]
T8	60 - 40	3	20.02	5.00	80.1 K=1.00	7.0686	-152.10	199.04	0.764 [1]
T9	40 - 20	3 1/4	20.02	5.20	76.8 K=1.00	8.2958	-176.08	242.55	0.726 [1]
T10	20 - 0	3 1/2	20.02	5.17	70.9 K=1.00	9.6211	-201.37	299.63	0.672 [1]

[1] $P_u / \phi P_n$ controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	130 - 120	L2x2x1/4	7.43	3.47	109.9 K=1.03	0.9380	-1.60	22.22	0.072 [1]
T2	120 - 115	L2x2x3/16	7.11	3.31	105.7 K=1.05	0.7150	-2.26	16.70	0.135 [1]
T3	115 - 110	L2x2x3/16	7.43	3.47	109.3 K=1.03	0.7150	-2.95	16.07	0.183 [1]
T4	110 - 105	L2x2x3/16	7.43	3.47	109.3 K=1.03	0.7150	-4.22	16.07	0.263 [1]
T5	105 - 100	L2x2x3/16	7.43	3.47	109.3 K=1.03	0.7150	-4.56	16.07	0.284 [1]
T6	100 - 80	L2x2x3/16	7.43	3.41	107.9 K=1.04	0.7150	-7.34	16.32	0.450 [1]
T7	80 - 60	L2x2x3/16	7.52	3.57	111.6 K=1.03	0.7150	-5.03	15.67	0.321 [1]
T8	60 - 40	L2x2x3/16	9.70	4.65	141.5 K=1.00	0.7150	-4.71	10.21	0.461 [1]
T9	40 - 20	L3x3x1/4	13.88	6.87	139.3 K=1.00	1.4400	-6.12	21.25	0.288 [1]
T10	20 - 0	L3x3x1/4	14.96	7.39	149.8 K=1.00	1.4400	-5.93	18.37	0.323 [1]

[1] $P_u / \phi P_n$ controls

Secondary Horizontal Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T5	105 - 100	L2x2x1/4	5.50	2.55	99.2 K=1.27	0.9380	-0.60	26.76	0.023 [1]
T9	40 - 20	L2x2x1/8	9.61	4.50	135.9 K=1.00	0.4844	-3.63	7.50	0.484 [1]
T10	20 - 0	L2x2x1/8	11.11	5.24	158.3 K=1.00	0.4844	-3.92	5.53	0.709 [1]

[1] $P_u / \phi P_n$ controls

Top Girt Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T1	130 - 120	L2x2x1/4	5.50	5.06	155.4 K=1.00	0.9380	-0.15	11.12	0.013 [1]
T2	120 - 115	L2x2x1/8	5.50	5.06	152.8 K=1.00	0.4844	-0.57	5.94	0.097 [1]
T7	80 - 60	L2x2x1/8	5.54	5.02	151.4 K=1.00	0.4844	-2.12	6.05	0.350 [1]

[1] $P_u / \phi P_n$ controls

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T1	130 - 120	1 3/4	10.00	5.00	137.1	2.4053	2.14	108.24	0.020 [1]
T2	120 - 115	1 3/4	5.00	4.50	123.4	2.4053	4.83	108.24	0.045 [1]
T3	115 - 110	1 3/4	5.00	5.00	137.1	2.4053	7.83	108.24	0.072 [1]
T4	110 - 105	1 3/4	5.00	5.00	137.1	2.4053	14.96	108.24	0.138 [1]
T5	105 - 100	1 3/4	5.00	2.50	68.6	2.4053	23.17	108.24	0.214 [1]
T6	100 - 80	2 1/2	20.00	5.00	96.0	4.9087	70.98	220.89	0.321 [1]
T7	80 - 60	2 3/4	20.02	4.88	85.2	5.9396	105.33	267.28	0.394 [1]
T8	60 - 40	3	20.02	5.00	80.1	7.0686	132.00	318.09	0.415 [1]
T9	40 - 20	3 1/4	20.02	4.81	71.0	8.2958	152.29	373.31	0.408 [1]
T10	20 - 0	3 1/2	20.02	4.84	66.3	9.6211	173.41	432.95	0.401 [1]

[1] $P_u / \phi P_n$ controls

Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	130 - 120	L2x2x1/4	7.43	3.47	71.3	0.5629	1.59	27.44	0.058 [1]
T2	120 - 115	L2x2x3/16	7.11	3.31	67.3	0.4308	2.26	18.74	0.121 [1]
T3	115 - 110	L2x2x3/16	7.43	3.47	70.4	0.4308	2.90	18.74	0.155 [1]
T4	110 - 105	L2x2x3/16	7.43	3.47	70.4	0.4308	4.25	18.74	0.227 [1]
T5	105 - 100	L2x2x3/16	7.43	3.47	70.4	0.4308	4.51	18.74	0.241 [1]
T6	100 - 80	L2x2x3/16	7.43	3.41	69.5	0.4308	7.15	18.74	0.382 [1]
T7	80 - 60	L2x2x3/16	7.52	3.57	72.7	0.4308	4.75	18.74	0.254 [1]
T8	60 - 40	L2x2x3/16	9.38	4.49	90.5	0.4308	4.67	18.74	0.249 [1]
T9	40 - 20	L3x3x1/4	13.37	6.63	87.4	0.9394	5.98	40.86	0.146 [1]
T10	20 - 0	L3x3x1/4	14.41	7.12	93.8	0.9394	5.74	40.86	0.140 [1]

[1] $P_u / \phi P_n$ controls

Secondary Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T5	105 - 100	L2x2x1/4	5.50	2.55	105.5	0.5629	0.60	27.44	0.022 [1]
T9	40 - 20	L2x2x1/8	9.61	4.50	179.0	0.2930	3.63	12.74	0.285 [1]
T10	20 - 0	L2x2x1/8	10.36	4.87	193.0	0.2930	3.92	12.74	0.308 [1]

[1] $P_u / \phi P_n$ controls

Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	130 - 120	L2x2x1/4	5.50	5.06	105.5	0.5629	0.12	27.44	0.004 [1]
T2	120 - 115	L2x2x1/8	5.50	5.06	102.6	0.3164	0.56	13.76	0.041 [1]
T7	80 - 60	L2x2x1/8	5.54	5.02	101.7	0.3164	2.12	13.76	0.154 [1]

[1] $P_u / \phi P_n$ controls

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T1	130 - 120	Leg	1 3/4	3	-3.79	28.89	13.1	Pass
T2	120 - 115	Leg	1 3/4	21	-8.59	35.67	24.1	Pass
T3	115 - 110	Leg	1 3/4	33	-13.17	28.89	45.6	Pass
T4	110 - 105	Leg	1 3/4	42	-22.20	28.89	76.8	Pass
T5	105 - 100	Leg	1 3/4	51	-31.79	76.75	41.4	Pass
T6	100 - 80	Leg	2 1/2	63	-84.86	112.60	75.4	Pass
T7	80 - 60	Leg	2 3/4	90	-122.16	157.26	77.7	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T8	60 - 40	Leg	3	119	-152.10	199.04	76.4	Pass
T9	40 - 20	Leg	3 1/4	146	-176.08	242.55	72.6	Pass
T10	20 - 0	Leg	3 1/2	167	-201.37	299.63	67.2	Pass
T1	130 - 120	Diagonal	L2x2x1/4	10	-1.60	22.22	7.2	Pass
T2	120 - 115	Diagonal	L2x2x3/16	28	-2.26	16.70	12.7 (b) 13.5	Pass
T3	115 - 110	Diagonal	L2x2x3/16	36	-2.95	16.07	28.7 (b) 18.3	Pass
T4	110 - 105	Diagonal	L2x2x3/16	46	-4.22	16.07	36.9 (b) 26.3	Pass
T5	105 - 100	Diagonal	L2x2x3/16	55	-4.56	16.07	54.0 (b) 28.4	Pass
T6	100 - 80	Diagonal	L2x2x3/16	67	-7.34	16.32	57.3 (b) 45.0	Pass
T7	80 - 60	Diagonal	L2x2x3/16	115	-5.03	15.67	82.9 (b) 32.1	Pass
T8	60 - 40	Diagonal	L2x2x3/16	124	-4.71	10.21	55.0 (b) 46.1	Pass
T9	40 - 20	Diagonal	L3x3x1/4	151	-6.12	21.25	54.1 (b) 28.8	Pass
T10	20 - 0	Diagonal	L3x3x1/4	172	-5.93	18.37	45.9 (b) 32.3	Pass
T5	105 - 100	Secondary Horizontal	L2x2x1/4	59	-0.60	26.76	43.0 (b) 2.3	Pass
T9	40 - 20	Secondary Horizontal	L2x2x1/8	154	-3.63	7.50	5.7 (b) 48.4	Pass
T10	20 - 0	Secondary Horizontal	L2x2x1/8	175	-3.92	5.53	63.1 (b) 70.9	Pass
T1	130 - 120	Top Girt	L2x2x1/4	4	-0.15	11.12	1.3	Pass
T2	120 - 115	Top Girt	L2x2x1/8	22	-0.57	5.94	9.7	Pass
T7	80 - 60	Top Girt	L2x2x1/8	92	-2.12	6.05	11.6 (b) 35.0	Pass
							42.6 (b)	
							Summary	
						Leg (T7)	77.7	Pass
						Diagonal (T6)	82.9	Pass
						Secondary Horizontal (T10)	70.9	Pass
						Top Girt (T7)	42.6	Pass
						Bolt Checks	82.9	Pass
						RATING =	**82.9**	**Pass**

Self Support Anchor Rod Capacity

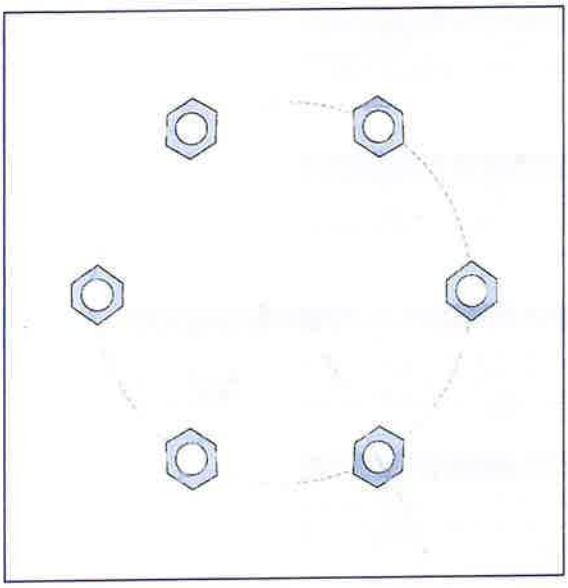
Site Info	
BU #	CT98078
Site Name	Wilton_Deer Run
Order #	

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

Applied Loads		
	Comp.	Uplift
Axial Force (kips)	207.76	178.63
Shear Force (kips)	14.92	13.30

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

**Anchor Rod Eccentricity Applied*



Connection Properties

Anchor Rod Data

(6) 1" ø bolts (A449 N; Fy=92 ksi, Fu=120 ksi)

l_{ar} *(in): 1*

Analysis Results

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

Pu_t = 29.77	ϕPn_t = 54.54	**Stress Rating**
Vu = 2.22	ϕVn = 35.34	**54.6%**
Mu = n/a	ϕMn = n/a	Pass

Self Support Anchor Rod Capacity

Site Info	
BU #	CT98078
Site Name	Wilton_Deer Run
Order #	

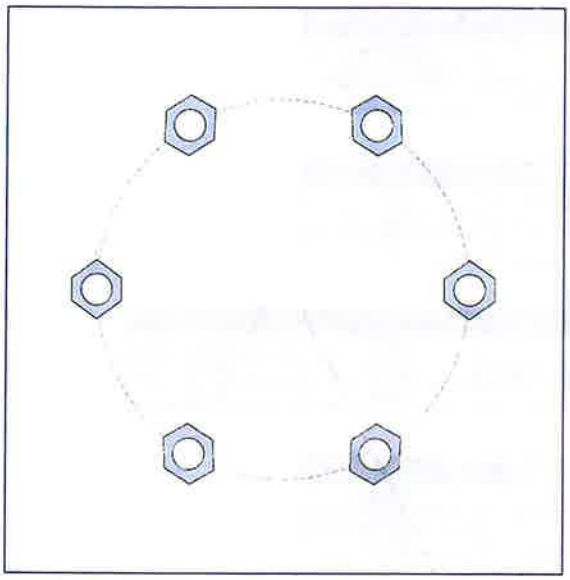
Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1

Applied Loads	Comp.	Uplift
Axial Force (kips)	45.63	13.52
Shear Force (kips)	2.60	0.98

**1.5 Overstrength Factor Applied*

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

**Anchor Rod Eccentricity Applied*



Connection Properties

Anchor Rod Data

(6) 1" ø bolts (A449 N; Fy=92 ksi, Fu=120 ksi)

l_{ar} (in): 1

Analysis Results

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

Pu_c = 7.61	ϕPn_c = 65.03	**Stress Rating**
Vu = 0.43	ϕVn = 29.26	**11.7%**
Mu = n/a	ϕMn = n/a	Pass

Pier and Pad Foundation

BU # :	
Site Name:	
App. Number:	

TIA-222 Revision:	H
Tower Type:	Self Support

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

Superstructure Analysis Reactions		
Compression, P_{comp}:	207.76	kips
Compression Shear, Vu_comp:	14.92	kips
Uplift, P_{uplift}:	178.63	kips
Uplift Shear, V_{u_uplift}:	13.3	kips
Tower Height, **H**:	130	ft
Base Face Width, **BW**:	11.5	ft
BP Dist. Above Fdn, bp_{dist}:	2	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	3	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	16	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	10	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	8.5	ft
Pad Width, W_1:	19	ft
Pad Thickness, **T**:	2	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	9	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	26	
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**:	120	pcf
Ultimate Net Bearing, Qnet:	12.000	ksf
Cohesion, **Cu**:		ksf
Friction Angle, **ϕ**:	30	degrees
SPT Blow Count, N_{blows}:	8	
Base Friction, **μ**:	0.5	
Neglected Depth, **N**:	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks				
	Capacity	**Demand**	**Rating**	**Check**
Uplift (kips)	456.98	178.63	**39.1%**	**Pass**
Lateral (Sliding) (kips)	154.81	13.30	**8.6%**	**Pass**
Bearing Pressure (ksf)	9.77	1.88	**19.2%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	857.25	104.44	**12.2%**	**Pass**
*Pier Flexure (Tension) (kip*ft)*	578.59	93.10	**16.1%**	**Pass**
Pier Compression (kip)	3374.26	216.67	**6.4%**	**Pass**
*Pad Flexure (kip*ft)*	2102.07	353.77	**16.8%**	**Pass**
Pad Shear - 1-way (kips)	361.68	70.65	**19.5%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.055	**33.6%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	1977.73	62.66	**3.2%**	**Pass**
Pad Shear - 2-way (Uplift) (ksi)	0.164	0.056	**34.4%**	**Pass**
*Flexural 2-way (Tension) (kip*ft)*	1977.73	55.86	**2.8%**	**Pass**

Structural Rating:	**34.4%**
Soil Rating:	**39.1%**

Colliers Engineering & Design CT, P.C.
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Stamford, CT 06901
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Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10207141
Colliers Engineering & Design CT, P.C. Project #: 23777160

July 23, 2023

Site Information	*Site ID:*	*5000382880-VZW / WILTON WEST CT*
	Site Name:	*WILTON WEST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*160 Deer Run Road* *Wilton, Connecticut 06897* *Fairfield County*
	Latitude:	*41.241372°*
	Longitude:	*-73.469889°*
Structure Information	*Tower Type:*	*118-Ft Self Support*
	Mount Type:	*10.50-Ft T-Frames*

FUZE ID # 17123989

Analysis Results

T-Frames: **79.5% Pass***

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

******Contractor PMI Requirements:***
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Cody Sherman

Digitally signed by Derek Hartzell
Date: 2023.07.23 13:20:05-07'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 325159, dated September 24, 2021*
Mount Mapping Report	*Structural Components Site #: 16092793, dated April 20, 2021*
Previous Mount Modification Report	*GPD Group Project #: 2021740.467920.02, dated October 19, 2021*
Final Loading Guidance	*Filter Add Scope Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.978
Seismic Parameters:	S_S:	0.241 g
	S_1:	0.057 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
96.00	98.00	6	JMA Wireless	MX06FRO660-03	Retained
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		3	Amphenol Antel	BXA-80090/8	
		2	Raycap	RRFDC-3315-PF-48*	
		2	KAelus	KA-6030	Added

* Equipment is flush mounted directly to the Self Support. They are not mounted on the T-frame mounts and are not included in this mount analysis.

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

8. It is assumed that the mount modifications listed under Sources of Information have been installed per the design specifications.

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	32.0%	Pass
Face Horizontal	62.0%	Pass
Standoff Vertical Bracing	20.0%	Pass
Mount Pipe	46.0%	Pass
Tieback	5.0%	Pass
Mount Connection	79.5%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**79.5%**

BASELINE mount weight per SBA agreement: 1740.00 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: No Change

The weights listed above include 3 sectors.

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	20.8	20.2	40.0	39.4
0.5	28.6	29.3	56.2	55.4
1	36.5	37.5	72.0	71.0

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

Requirements:

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

Contractor shall verify modifications detailed in the Proposed Mount Modification Design by GPD dated 10/19/2021 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications.**

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 #: 5000382880 SMART Project #: 10207141 Fuze Project ID: 17123989

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

OR

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

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

Issue:

Contractor shall verify modifications detailed in the Proposed Mount Modification Design by GPD dated 10/19/2021 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications.**

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: 5000382880-VZW - WILTON WEST CT

Sector: A

Structure Type: Self Support

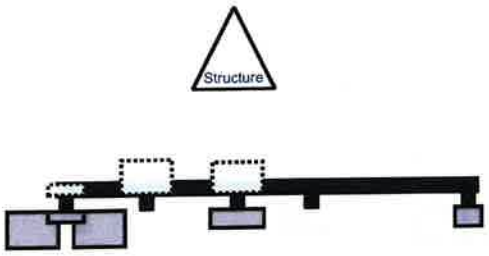
Mount Elev: 96.00

10207141

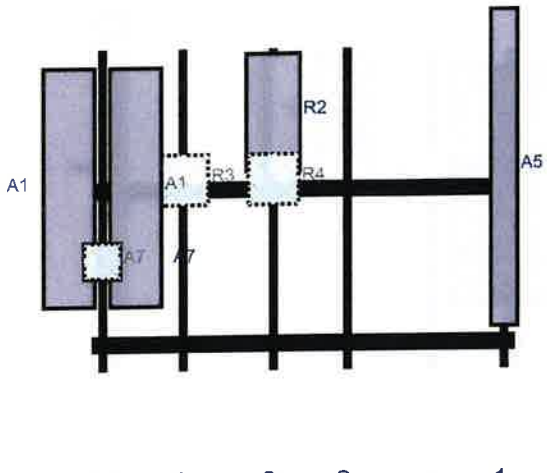
7/22/2023

Colliers Engineering & Design

Plan View

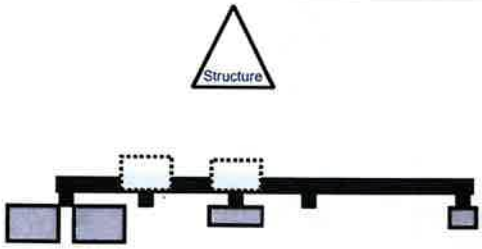


Front View - Looking at Structure

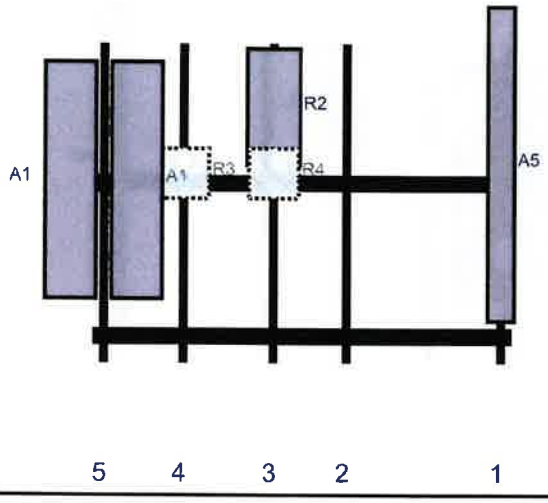


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	BXA-80090/8	94.6	8	122.75	1	a	Front	36	0	Retained	04/20/2021
R2	MT6407-77A	35.1	16.1	54.25	3	a	Front	19.02	0	Retained	
R4	RF4440d-13A	15	15	54.25	3	a	Behind	39	0	Retained	
R3	RF4439d-25A	15	15	27.25	4	a	Behind	39	0	Retained	
A1	MX06FRO660-03	71.3	15.4	3.25	5	a	Front	41.04	10	Retained	
A1	MX06FRO660-03	71.3	15.4	3.25	5	b	Front	41.04	-10	Retained	
A7	KA-6030	10.6	10.9	3.25	5	a	Front	63	0	Added	
A7	KA-6030	10.6	10.9	3.25	5	b	Behind	63	0	Added	

Plan View

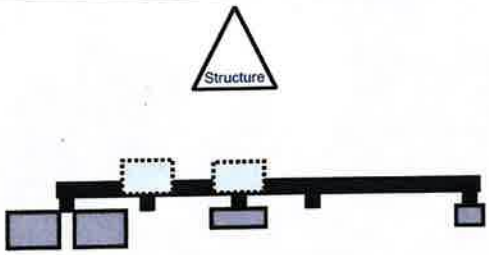


Front View - Looking at Structure

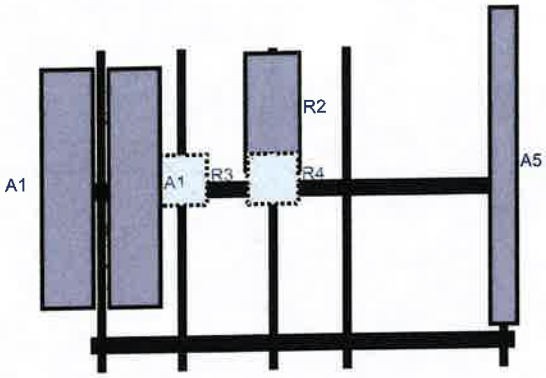


Ref#.	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	BXA-80090/8	94.6	8	122.75	1	a	Front	36	0	Retained	04/20/2021
R2	MT6407-77A	35.1	16.1	54.25	3	a	Front	19.02	0	Retained	
R4	RF4440d-13A	15	15	54.25	3	a	Behind	39	0	Retained	
R3	RF4439d-25A	15	15	27.25	4	a	Behind	39	0	Retained	
A1	MX06FRO660-03	71.3	15.4	3.25	5	a	Front	41.04	10	Retained	
A1	MX06FRO660-03	71.3	15.4	3.25	5	b	Front	41.04	-10	Retained	

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	BXA-80090/8	94.6	8	122.75	1	a	Front	36	0	Retained	04/20/2021
R2	MT6407-77A	35.1	16.1	54.25	3	a	Front	19.02	0	Retained	
R4	RF4440d-13A	15	15	54.25	3	a	Behind	39	0	Retained	
R3	RF4439d-25A	15	15	27.25	4	a	Behind	39	0	Retained	
A1	MX06FRO660-03	71.3	15.4	3.25	5	a	Front	41.04	10	Retained	
A1	MX06FRO660-03	71.3	15.4	3.25	5	b	Front	41.04	-10	Retained	


04.20.2021 10:15

V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	SBA	Mapping Date:	4/20/2021
Site Name:	Wilton West CT	Tower Type:	Self Support
Site Number or ID:	16092793	Tower Height (Ft.):	100
Mapping Contractor:	Structural Components	Mount Elevation (Ft.):	92

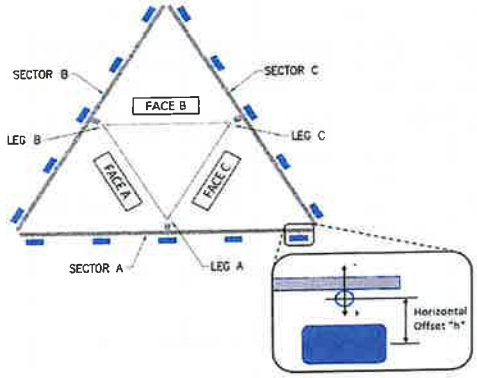
Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.

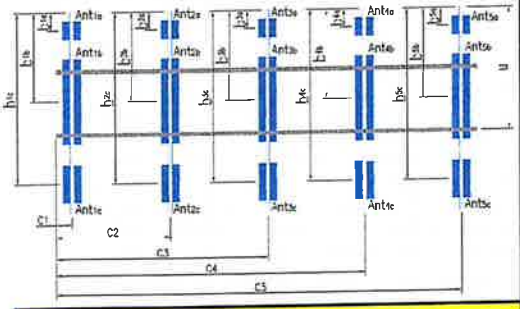
Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "b"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "b"	Horizontal Offset "C1, C2, C3, etc."
A1	2-3/8x .15x 72	66.00	3.25	C1	2-3/8x .15x 72	64.75	3.50
A2	2-3/8x .15x 72	61.75	49.75	C2	2-3/8x .15x 72	61.50	50.00
A3	2-3/8x .15x 72	66.88	71.75	C3	2-3/8x .15x 72	66.00	71.00
A4	2-3/8x .15x 72	61.50	98.75	C4	2-3/8x .15x 72	61.75	97.00
A5	2-3/8x .15x 72	66.00	126.25	C5	2-3/8x .15x 72	62.50	124.50
A6				C6			
B1	2-3/8x .15x 72	65.25	4.25	D1			
B2	2-3/8x .15x 72	62.25	48.25	D2			
B3	2-3/8x .15x 72	65.00	71.50	D3			
B4	2-3/8x .15x 72	62.00	97.75	D4			
B5	2-3/8x .15x 72	65.50	124.75	D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	23.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	48
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.):	2.625
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			





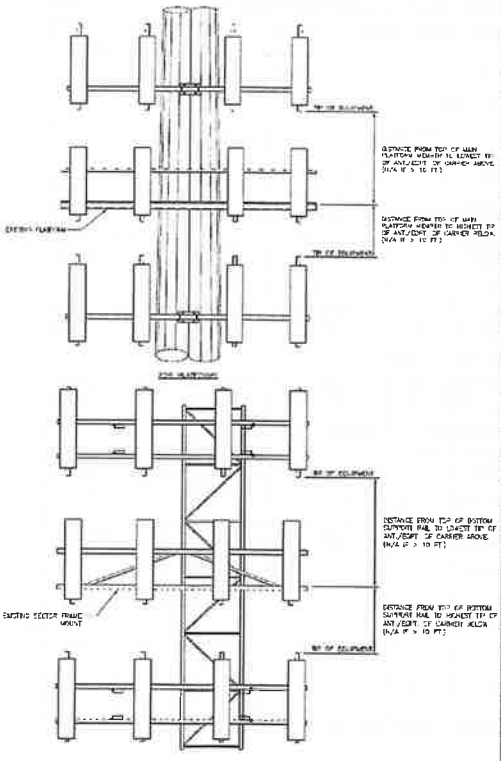
Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances "b_{1a}, b_{2a}, b_{3a}, b_{1b},..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
	Sector A									
Ant_{1a}										
Ant_{1b}	bxa-80090-8cf-edin	8.25	6.00	96.00	2) 1-5/8" T	92.4375	37.75	10.83	335.00	152, 154
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	b66a rrh 4x45	12.00	7.00	25.50	jumpers	94.5417	8.25	-6.50	335.00	168-170
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	sbnhh-1d85b	12.00	7.50	73.00	jumpers	93.9896	20.00	9.25	335.00	184,186
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	b13 rrh 4x30	12.00	7.50	20.50	Jumpers	93.125	25.00	-7.00	335.00	194,202
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	sbnhh-1d85b	12.00	7.50	73.00	Jumpers	94.0417	18.50	8.75	335.00	216,186
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

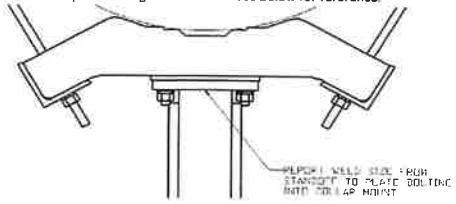
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	335.00	Deg	Leg A:	115.00	Deg
Sector B:	95.00	Deg	Leg B:	235.00	Deg
Sector C:	220.00	Deg	Leg C:	355.00	Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	130.00 Deg	Sector B
Climbing Facility	Corrosion Type:	Moderate corrosion observed.
	Access:	Climbing path was obstructed.
	Condition:	Good condition.

Please insert a photo of the mount centerline measurement here.



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



Sector B											
Ant_{1a}											
Ant_{1b}	bxa-80090-8cf-edin	8.25	6.00	96.00	) 1-5/8" T	92.4375	37.00	10.75	95.00	224,154
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	b66a rrh 4x45	12.00	7.00	25.50	jumpers	94.5417	8.75	-6.00	95.00	237,170
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	sbnhh-1d85b	12.00	7.50	73.00	jumpers	94.0417	17.50	8.75	95.00	240,186
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	b13 rrh 4x30	12.00	7.50	20.50	jumpers	93.1875	24.75	-6.50	95.00	255,202
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	sbnhh-1d85b	12.00	7.50	73.00	jumpers	94.0833	17.50	8.75	95.00	258,186
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	bxa-80090-8cf-edin	8.28	6.00	96.00	) 1-5/8" T	92.375	37.25	11.50	220.00	267,154
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	b66a rrh 4x45	12.00	7.00	25.50	jumpers	94.5208	8.25	-6.50	220.00	267,170
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	sbnhh-1d85b	12.00	7.50	73.00	jumpers	93.9792	19.25	9.25	220.00	268,186
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	b13 rrh 4x30	12.00	7.50	20.50	jumpers	93.0833	25.75	0.75	220.00	268,202
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	sbnhh-1d85b	12.00	7.50	73.00	jumpers	94	15.50	8.75	220.00	268,186
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		

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

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

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

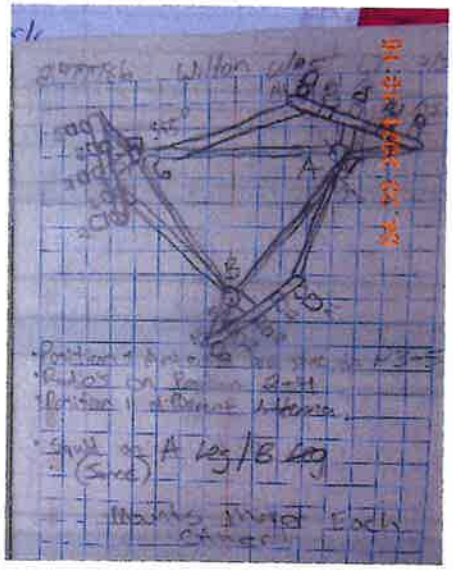
V4.0 Updated on 3-31-2021

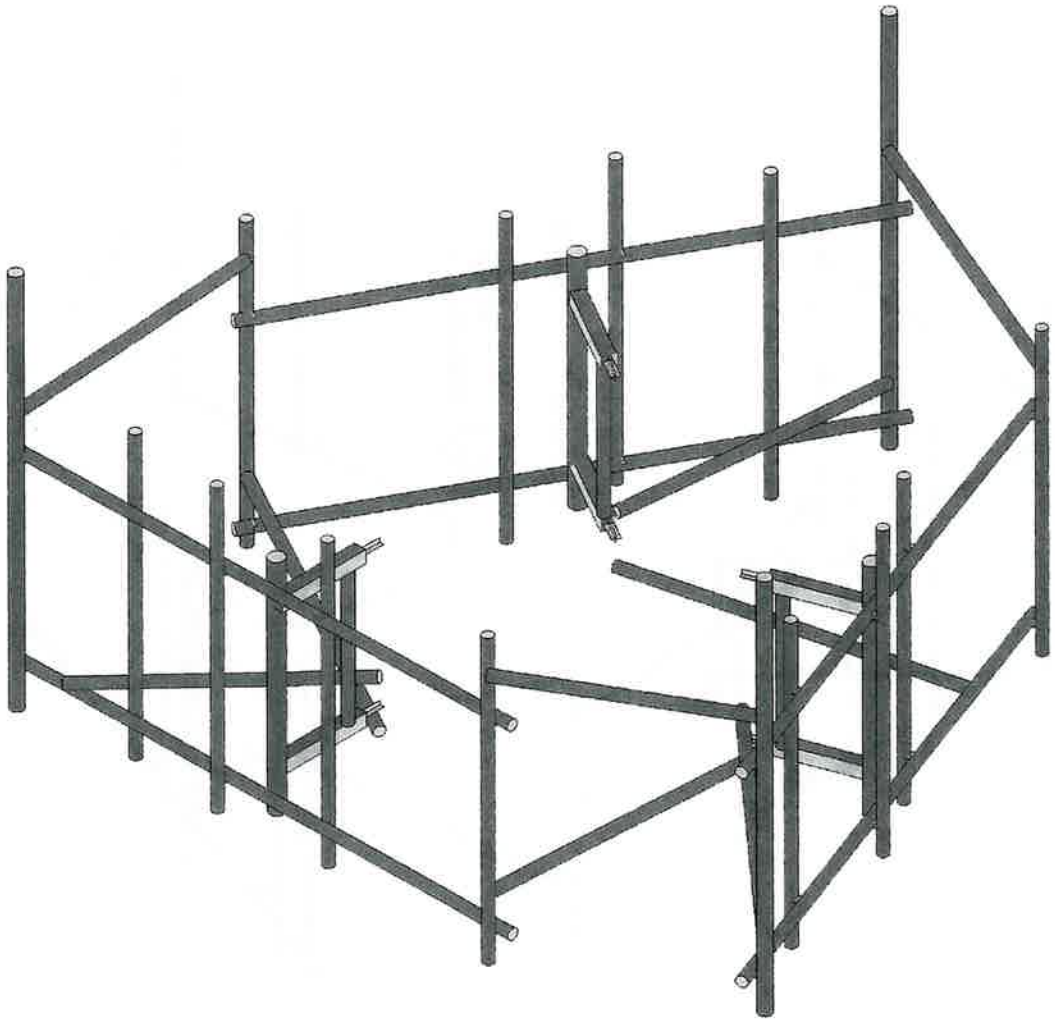
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	SBA	Mapping Date:	4/20/2021
Site Name:	Wilton West CT	Tower Type:	Self Support
Site Number or ID:	16092793	Tower Height (Ft.):	100
Mapping Contractor:	Structural Components	Mount Elevation (Ft.):	92

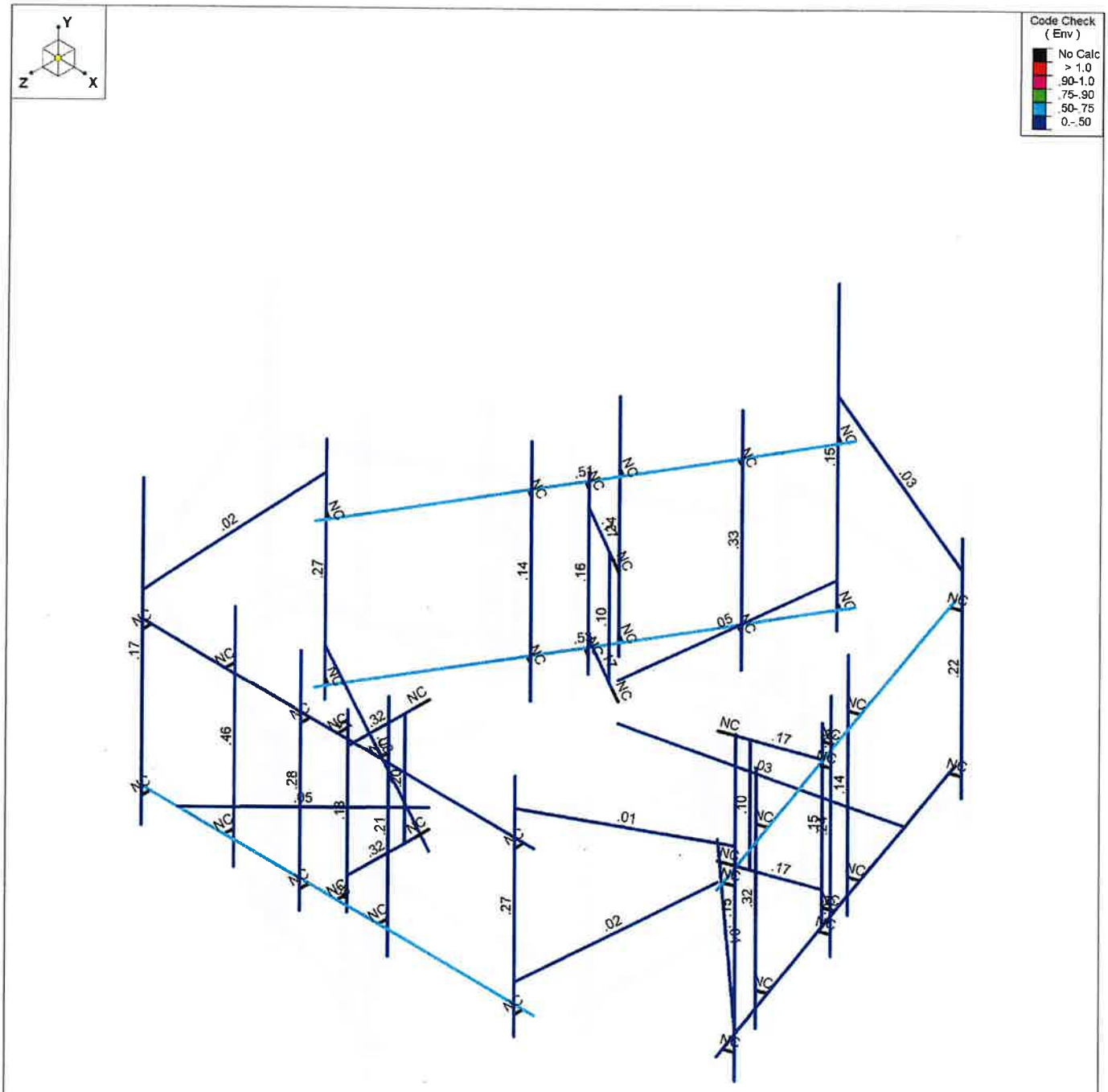
Please Insert Sketches of the Antenna Mount





Envelope Only Solution

Colliers Engineering & Des...	5000382880-VZW_MT_LO_H	SK - 1
enieto		July 22, 2023 at 3:39 PM
Project No. 10207141		5000382880-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & Des..	5000382880-VZW_MT_LO_H	SK - 2
enieto		July 22, 2023 at 3:40 PM
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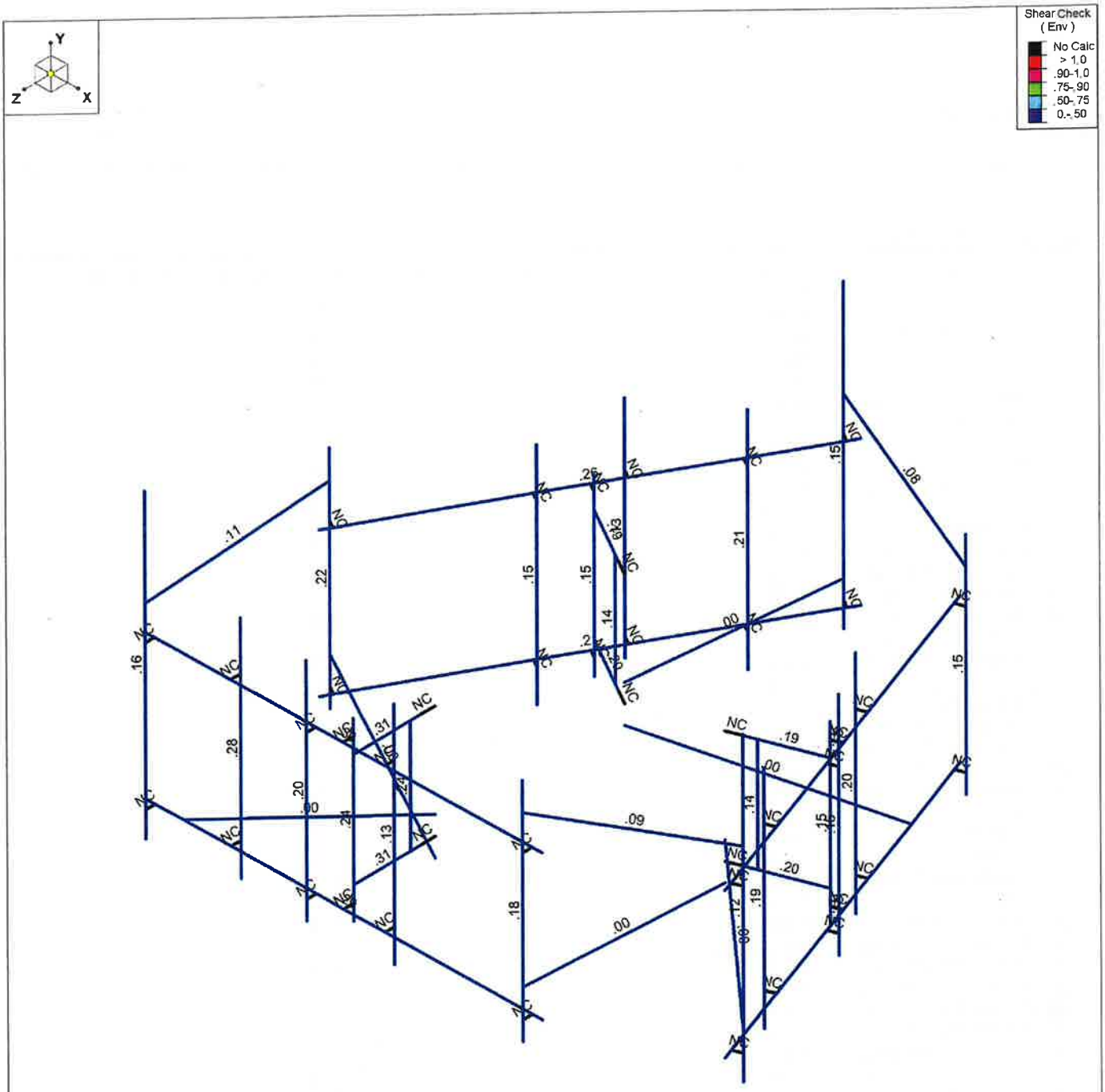

Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & Des...	5000382880-VZW_MT_LO_H	SK - 3
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Project No. 10207141		5000382880-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					114			
2	Antenna Di	None					114			
3	Antenna Wo (0 Deg)	None					114			
4	Antenna Wo (30 Deg)	None					114			
5	Antenna Wo (60 Deg)	None					114			
6	Antenna Wo (90 Deg)	None					114			
7	Antenna Wo (120 Deg)	None					114			
8	Antenna Wo (150 Deg)	None					114			
9	Antenna Wo (180 Deg)	None					114			
10	Antenna Wo (210 Deg)	None					114			
11	Antenna Wo (240 Deg)	None					114			
12	Antenna Wo (270 Deg)	None					114			
13	Antenna Wo (300 Deg)	None					114			
14	Antenna Wo (330 Deg)	None					114			
15	Antenna Wi (0 Deg)	None					114			
16	Antenna Wi (30 Deg)	None					114			
17	Antenna Wi (60 Deg)	None					114			
18	Antenna Wi (90 Deg)	None					114			
19	Antenna Wi (120 Deg)	None					114			
20	Antenna Wi (150 Deg)	None					114			
21	Antenna Wi (180 Deg)	None					114			
22	Antenna Wi (210 Deg)	None					114			
23	Antenna Wi (240 Deg)	None					114			
24	Antenna Wi (270 Deg)	None					114			
25	Antenna Wi (300 Deg)	None					114			
26	Antenna Wi (330 Deg)	None					114			
27	Antenna Wm (0 Deg)	None					114			
28	Antenna Wm (30 Deg)	None					114			
29	Antenna Wm (60 Deg)	None					114			
30	Antenna Wm (90 Deg)	None					114			
31	Antenna Wm (120 Deg)	None					114			
32	Antenna Wm (150 Deg)	None					114			
33	Antenna Wm (180 Deg)	None					114			
34	Antenna Wm (210 Deg)	None					114			
35	Antenna Wm (240 Deg)	None					114			
36	Antenna Wm (270 Deg)	None					114			
37	Antenna Wm (300 Deg)	None					114			
38	Antenna Wm (330 Deg)	None					114			
39	Structure D	None		-1						
40	Structure Di	None						42		
41	Structure Wo (0 Deg)	None						84		
42	Structure Wo (30 Deg)	None						84		
43	Structure Wo (60 Deg)	None						84		
44	Structure Wo (90 Deg)	None						84		
45	Structure Wo (120 D...	None						84		
46	Structure Wo (150 D...	None						84		
47	Structure Wo (180 D...	None						84		
48	Structure Wo (210 D...	None						84		
49	Structure Wo (240 D...	None						84		
50	Structure Wo (270 D...	None						84		
51	Structure Wo (300 D...	None						84		
52	Structure Wo (330 D...	None						84		
53	Structure Wi (0 Deg)	None						84		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
54	Structure Wi (30 Deg)	None						84		
55	Structure Wi (60 Deg)	None						84		
56	Structure Wi (90 Deg)	None						84		
57	Structure Wi (120 De..	None						84		
58	Structure Wi (150 De..	None						84		
59	Structure Wi (180 De..	None						84		
60	Structure Wi (210 De..	None						84		
61	Structure Wi (240 De..	None						84		
62	Structure Wi (270 De..	None						84		
63	Structure Wi (300 De..	None						84		
64	Structure Wi (330 De..	None						84		
65	Structure Wm (0 Deg)	None						84		
66	Structure Wm (30 De..	None						84		
67	Structure Wm (60 De..	None						84		
68	Structure Wm (90 De..	None						84		
69	Structure Wm (120 D..	None						84		
70	Structure Wm (150 D..	None						84		
71	Structure Wm (180 D..	None						84		
72	Structure Wm (210 D..	None						84		
73	Structure Wm (240 D..	None						84		
74	Structure Wm (270 D..	None						84		
75	Structure Wm (300 D..	None						84		
76	Structure Wm (330 D..	None						84		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					114			
82	Antenna Eh (0 Deg)	None					76			
83	Antenna Eh (90 Deg)	None					76			
84	Structure Ev	ELY		-.051						
85	Structure Eh (0 Deg)	ELZ			-.129					
86	Structure Eh (90 Deg)	ELX	.129							

Load Combinations

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

Load Combinations (Continued)

	Description	Sol...	PDe...	S...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...
20	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	A4	1.587713	0	0	0	
2	A5	0.24572	1.5	2.877914	0	
3	A6	0.24572	-1.5	2.877914	0	
4	A7	0.24572	1.5	3.29458	0	
5	A8	0.24572	-1.5	3.29458	0	
6	A9	0.24572	1.5	3.54458	0	
7	A10	0.24572	-1.5	3.54458	0	
8	A11	0.24572	1.5	5.04458	0	
9	A12	0.24572	-1.5	5.04458	0	
10	A13	0.24572	2.333333	5.04458	0	
11	A14	0.24572	-2.333333	5.04458	0	
12	A15	0.24572	-1.916667	5.04458	0	
13	A16	0.24572	1.916667	5.04458	0	
14	A17	-5.00428	-1.916667	5.315414	0	
15	A18	-5.00428	1.916667	5.315414	0	
16	A19	5.49572	-1.916667	5.315414	0	
17	A20	5.49572	1.916667	5.315414	0	
18	A21	0.24572	-1.916667	5.315414	0	
19	A22	0.24572	1.916667	5.315414	0	
20	A23	5.224887	-1.916667	5.315414	0	
21	A24	5.224887	1.916667	5.315414	0	
22	A25	1.349887	-1.916667	5.315414	0	
23	A26	1.349887	1.916667	5.315414	0	
24	A27	-0.483447	-1.916667	5.315414	0	
25	A28	-0.483447	1.916667	5.315414	0	
26	A29	-2.733447	-1.916667	5.315414	0	
27	A30	-2.733447	1.916667	5.315414	0	
28	A31	-4.733447	-1.916667	5.315414	0	
29	A32	-4.733447	1.916667	5.315414	0	
30	A33	5.224887	-1.916667	5.565414	0	
31	A34	5.224887	1.916667	5.565414	0	
32	A35	-0.483447	-1.916667	5.565414	0	
33	A36	-0.483447	1.916667	5.565414	0	
34	A37	-4.733447	-1.916667	5.565414	0	
35	A38	-4.733447	1.916667	5.565414	0	
36	A39	1.349887	-1.916667	5.065414	0	
37	A40	1.349887	1.916667	5.065414	0	
38	A41	-2.733447	-1.916667	5.065414	0	
39	A42	-2.733447	1.916667	5.065414	0	
40	A43	5.224887	3.583333	5.565414	0	
41	A44	-0.483447	3.583333	5.565414	0	
42	A45	-4.733447	5.416663	5.565414	0	
43	A46	5.224887	-2.416667	5.565414	0	
44	A47	-0.483447	-2.416667	5.565414	0	
45	A48	-4.733447	-2.583667	5.565414	0	
46	A49	1.349887	3.208333	5.065414	0	
47	A50	-2.733447	3.208333	5.065414	0	
48	A51	1.349887	-2.791667	5.065414	0	
49	A52	-2.733447	-2.791667	5.065414	0	
50	B54	-0.233637	1.5	-2.601157	0	
51	B55	-0.233637	-1.5	-2.601157	0	
52	B56	-0.59448	1.5	-2.80949	0	
53	B57	-0.59448	-1.5	-2.80949	0	
54	B58	-0.810987	1.5	-2.93449	0	
55	B59	-0.810987	-1.5	-2.93449	0	
56	B60	-2.110025	1.5	-3.68449	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	B61	-2.110025	-1.5	-3.68449	0	
58	B62	-2.110025	2.333333	-3.68449	0	
59	B63	-2.110025	-2.333333	-3.68449	0	
60	B64	-2.110025	-1.916667	-3.68449	0	
61	B65	-2.110025	1.916667	-3.68449	0	
62	B66	0.280427	-1.916667	-8.36654	0	
63	B67	0.280427	1.916667	-8.36654	0	
64	B68	-4.969573	-1.916667	0.726726	0	
65	B69	-4.969573	1.916667	0.726726	0	
66	B70	-2.344573	-1.916667	-3.819907	0	
67	B71	-2.344573	1.916667	-3.819907	0	
68	B72	-4.834157	-1.916667	0.492178	0	
69	B73	-4.834157	1.916667	0.492178	0	
70	B74	-2.896657	-1.916667	-2.863671	0	
71	B75	-2.896657	1.916667	-2.863671	0	
72	B76	-1.97999	-1.916667	-4.451384	0	
73	B77	-1.97999	1.916667	-4.451384	0	
74	B78	-0.85499	-1.916667	-6.399941	0	
75	B79	-0.85499	1.916667	-6.399941	0	
76	B80	0.14501	-1.916667	-8.131992	0	
77	B81	0.14501	1.916667	-8.131992	0	
78	B82	-5.050663	-1.916667	0.367178	0	
79	B83	-5.050663	1.916667	0.367178	0	
80	B84	-2.196497	-1.916667	-4.576384	0	
81	B85	-2.196497	1.916667	-4.576384	0	
82	B86	-0.071497	-1.916667	-8.256992	0	
83	B87	-0.071497	1.916667	-8.256992	0	
84	B88	-2.68015	-1.916667	-2.738671	0	
85	B89	-2.68015	1.916667	-2.738671	0	
86	B90	-0.638484	-1.916667	-6.274941	0	
87	B91	-0.638484	1.916667	-6.274941	0	
88	B92	-5.050663	3.583333	0.367178	0	
89	B93	-2.196497	3.583333	-4.576384	0	
90	B94	-0.071497	5.416663	-8.256992	0	
91	B95	-5.050663	-2.416667	0.367178	0	
92	B96	-2.196497	-2.416667	-4.576384	0	
93	B97	-0.071497	-2.583667	-8.256992	0	
94	B98	-2.68015	3.208333	-2.738671	0	
95	B99	-0.638484	3.208333	-6.274941	0	
96	B100	-2.68015	-2.791667	-2.738671	0	
97	B101	-0.638484	-2.791667	-6.274941	0	
98	C102	4.751056	1.5	-0.276757	0	
99	C103	4.751056	-1.5	-0.276757	0	
100	C104	5.142595	1.5	-0.419265	0	
101	C105	5.142595	-1.5	-0.419265	0	
102	C106	5.377518	1.5	-0.50477	0	
103	C107	5.377518	-1.5	-0.50477	0	
104	C108	6.787057	1.5	-1.0178	0	
105	C109	6.787057	-1.5	-1.0178	0	
106	C110	6.787057	2.333333	-1.0178	0	
107	C111	6.787057	-2.333333	-1.0178	0	
108	C112	6.787057	-1.916667	-1.0178	0	
109	C113	6.787057	1.916667	-1.0178	0	
110	C114	8.837163	-1.916667	3.822956	0	
111	C115	8.837163	1.916667	3.822956	0	
112	C116	5.245951	-1.916667	-6.043817	0	
113	C117	5.245951	1.916667	-6.043817	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
114	C118	7.041557	-1.916667	-1.110431	0	
115	C119	7.041557	1.916667	-1.110431	0	
116	C120	5.338582	-1.916667	-5.789317	0	
117	C121	5.338582	1.916667	-5.789317	0	
118	C122	6.66391	-1.916667	-2.148008	0	
119	C123	6.66391	1.916667	-2.148008	0	
120	C124	7.290947	-1.916667	-0.425238	0	
121	C125	7.290947	1.916667	-0.425238	0	
122	C126	8.060492	-1.916667	1.68907	0	
123	C127	8.060492	1.916667	1.68907	0	
124	C128	8.744532	-1.916667	3.568455	0	
125	C129	8.744532	1.916667	3.568455	0	
126	C130	5.573505	-1.916667	-5.874822	0	
127	C131	5.573505	1.916667	-5.874822	0	
128	C132	7.52587	-1.916667	-0.510743	0	
129	C133	7.52587	1.916667	-0.510743	0	
130	C134	8.979455	-1.916667	3.48295	0	
131	C135	8.979455	1.916667	3.48295	0	
132	C136	6.428987	-1.916667	-2.062503	0	
133	C137	6.428987	1.916667	-2.062503	0	
134	C138	7.825569	-1.916667	1.774575	0	
135	C139	7.825569	1.916667	1.774575	0	
136	C140	5.573505	3.583333	-5.874822	0	
137	C141	7.52587	3.583333	-0.510743	0	
138	C142	8.979455	5.416663	3.48295	0	
139	C143	5.573505	-2.416667	-5.874822	0	
140	C144	7.52587	-2.416667	-0.510743	0	
141	C145	8.979455	-2.583667	3.48295	0	
142	C146	6.428987	3.208333	-2.062503	0	
143	C147	7.825569	3.208333	1.774575	0	
144	C148	6.428987	-2.791667	-2.062503	0	
145	C149	7.825569	-2.791667	1.774575	0	
146	N149	-3.983447	-1.916667	5.315414	0	
147	N150	0.24572	-1	2.877914	0	
148	N151	5.224887	-1.166667	5.565414	0	
149	N152	-0.233637	-1	-2.601157	0	
150	N153	4.751056	-1	-0.276757	0	
151	N155	-0.233637	-2	-2.601157	0	
152	N156	4.751056	-2	-0.276757	0	
153	C157	8.488017	-1.916667	2.863686	0	
154	C159	5.573505	-1.166667	-5.874822	0	
155	B159	-0.22999	-1.916667	-7.482473	0	
156	B161	-5.050663	-1.166667	0.367178	0	
157	B162	0.24572	-2	2.877914	0	
158	N158	5.224887	2.833333	5.565414	0	
159	N159	-4.733447	2.833333	5.565414	0	
160	N160	-5.050663	2.833333	0.367178	0	
161	N161	-0.071497	2.833333	-8.256992	0	
162	N162	5.573505	2.833333	-5.874822	0	
163	N163	8.979455	2.833333	3.48295	0	
164	N164	-0.071497	-1.416667	-8.256992	0	
165	N165	8.979455	-1.416667	3.48295	0	
166	N166	6.001247	-1.916667	-3.968659	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Standoff Horizontal	HSS3X3X3	None	None	A500 Gr.B ...	Typical	1.89	2.46	2.46	4.03
2	Standoff Vertical End	PIPE_3.0	None	None	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
3	Standoff Vertical Start	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
4	Face Horizontal	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
5	Mount Pipe (P2 STD)	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
6	Tieback	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Mod Mount Pipe (P2.5...	PIPE_2.5	None	None	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
8	Mod Stabilizer Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B RECT	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A500 Gr.C RND	29000	11154	.3	.65	.527	46	1.4	62	1.3
7	A500 Gr.C RECT	29000	11154	.3	.65	.527	50	1.4	62	1.3
8	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
9	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
10	A913 Gr.65	29000	11154	.3	.65	.49	65	1.1	80	1.1

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	A1	A7	A11			Standoff Horiz...	None	None	A500 Gr.B...	Typical
2	A2	A8	A12			Standoff Horiz...	None	None	A500 Gr.B...	Typical
3	A3	A8	A6			RIGID	None	None	RIGID	Typical
4	A4	A7	A5			RIGID	None	None	RIGID	Typical
5	A5	A9	A10			Standoff Vertic...	None	None	A53 Gr.B	Typical
6	A6	A13	A14			Standoff Vertic...	None	None	A53 Gr.B	Typical
7	A7	A18	A20			Face Horizontal	None	None	A53 Gr.B	Typical
8	A8	A17	A19			Face Horizontal	None	None	A53 Gr.B	Typical
9	A9	A15	A21			RIGID	None	None	RIGID	Typical
10	A10	A16	A22			RIGID	None	None	RIGID	Typical
11	A11	A31	A37			RIGID	None	None	RIGID	Typical
12	A12	A32	A38			RIGID	None	None	RIGID	Typical
13	A13	A29	A41			RIGID	None	None	RIGID	Typical
14	A14	A30	A42			RIGID	None	None	RIGID	Typical
15	A15	A27	A35			RIGID	None	None	RIGID	Typical
16	A16	A25	A39			RIGID	None	None	RIGID	Typical
17	A17	A28	A36			RIGID	None	None	RIGID	Typical
18	A18	A26	A40			RIGID	None	None	RIGID	Typical
19	A19	A23	A33			RIGID	None	None	RIGID	Typical
20	A20	A24	A34			RIGID	None	None	RIGID	Typical
21	B26	B56	B60			Standoff Horiz...	None	None	A500 Gr.B...	Typical
22	B27	B57	B61			Standoff Horiz...	None	None	A500 Gr.B...	Typical
23	B28	B57	B55			RIGID	None	None	RIGID	Typical
24	B29	B56	B54			RIGID	None	None	RIGID	Typical
25	B30	B58	B59			Standoff Vertic...	None	None	A53 Gr.B	Typical
26	B31	B62	B63			Standoff Vertic...	None	None	A53 Gr.B	Typical
27	B32	B67	B69			Face Horizontal	None	None	A53 Gr.B	Typical
28	B33	B66	B68			Face Horizontal	None	None	A53 Gr.B	Typical
29	B34	B64	B70			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
30	B35	B65	B71			RIGID	None	None	RIGID	Typical
31	B36	B80	B86			RIGID	None	None	RIGID	Typical
32	B37	B81	B87			RIGID	None	None	RIGID	Typical
33	B38	B78	B90			RIGID	None	None	RIGID	Typical
34	B39	B79	B91			RIGID	None	None	RIGID	Typical
35	B40	B76	B84			RIGID	None	None	RIGID	Typical
36	B41	B74	B88			RIGID	None	None	RIGID	Typical
37	B42	B77	B85			RIGID	None	None	RIGID	Typical
38	B43	B75	B89			RIGID	None	None	RIGID	Typical
39	B44	B72	B82			RIGID	None	None	RIGID	Typical
40	B45	B73	B83			RIGID	None	None	RIGID	Typical
41	B80	N164	N152			Tieback	None	None	A53 Gr.B	Typical
42	B81	B161	B162			Tieback	None	None	A53 Gr.B	Typical
43	C51	C104	C108			Standoff Horiz...	None	None	A500 Gr.B...	Typical
44	C52	C105	C109			Standoff Horiz...	None	None	A500 Gr.B...	Typical
45	C53	C105	C103			RIGID	None	None	RIGID	Typical
46	C54	C104	C102			RIGID	None	None	RIGID	Typical
47	C55	C106	C107			Standoff Vertic...	None	None	A53 Gr.B	Typical
48	C56	C110	C111			Standoff Vertic...	None	None	A53 Gr.B	Typical
49	C57	C115	C117			Face Horizontal	None	None	A53 Gr.B	Typical
50	C58	C114	C116			Face Horizontal	None	None	A53 Gr.B	Typical
51	C59	C112	C118			RIGID	None	None	RIGID	Typical
52	C60	C113	C119			RIGID	None	None	RIGID	Typical
53	C61	C128	C134			RIGID	None	None	RIGID	Typical
54	C62	C129	C135			RIGID	None	None	RIGID	Typical
55	C63	C126	C138			RIGID	None	None	RIGID	Typical
56	C64	C127	C139			RIGID	None	None	RIGID	Typical
57	C65	C124	C132			RIGID	None	None	RIGID	Typical
58	C66	C122	C136			RIGID	None	None	RIGID	Typical
59	C67	C125	C133			RIGID	None	None	RIGID	Typical
60	C68	C123	C137			RIGID	None	None	RIGID	Typical
61	C69	C120	C130			RIGID	None	None	RIGID	Typical
62	C70	C121	C131			RIGID	None	None	RIGID	Typical
63	C78	N165	N153			Tieback	None	None	A53 Gr.B	Typical
64	C79	N166	N155			Tieback	None	None	A53 Gr.B	Typical
65	M76	N149	N150			Tieback	None	None	A53 Gr.B	Typical
66	M77	N151	N156			Tieback	None	None	A53 Gr.B	Typical
67	MP1A	A43	A46			Mount Pipe (P...	None	None	A53 Gr.B	Typical
68	MP1B	B92	B95			Mount Pipe (P...	None	None	A53 Gr.B	Typical
69	MP1C	C140	C143			Mount Pipe (P...	None	None	A53 Gr.B	Typical
70	MP2A	A49	A51			Mount Pipe (P...	None	None	A53 Gr.B	Typical
71	MP2B	B98	B100			Mount Pipe (P...	None	None	A53 Gr.B	Typical
72	MP2C	C146	C148			Mount Pipe (P...	None	None	A53 Gr.B	Typical
73	MP3A	A44	A47			Mount Pipe (P...	None	None	A53 Gr.B	Typical
74	MP3B	B93	B96			Mount Pipe (P...	None	None	A53 Gr.B	Typical
75	MP3C	C141	C144			Mount Pipe (P...	None	None	A53 Gr.B	Typical
76	MP4A	A50	A52			Mount Pipe (P...	None	None	A53 Gr.B	Typical
77	MP4B	B99	B101			Mount Pipe (P...	None	None	A53 Gr.B	Typical
78	MP4C	C147	C149			Mount Pipe (P...	None	None	A53 Gr.B	Typical
79	MP5A	A45	A48			Mod Mount Pip...	None	None	A53 Gr.B	Typical
80	MP5B	B94	B97			Mod Mount Pip...	None	None	A53 Gr.B	Typical
81	MP5C	C142	C145			Mod Mount Pip...	None	None	A53 Gr.B	Typical
82	M82	N159	N160			Mod Stabilizer ...	None	None	A53 Gr.B	Typical
83	M83	N161	N162			Mod Stabilizer ...	None	None	A53 Gr.B	Typical
84	M84	N158	N163			Mod Stabilizer ...	None	None	A53 Gr.B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	A1						Yes	** NA **			None
2	A2						Yes	** NA **			None
3	A3						Yes	** NA **			None
4	A4						Yes	** NA **			None
5	A5						Yes	** NA **			None
6	A6						Yes	** NA **			None
7	A7						Yes	** NA **			None
8	A8						Yes	** NA **			None
9	A9	OOOOXO					Yes	** NA **			None
10	A10	OOOOXO					Yes	** NA **			None
11	A11						Yes	** NA **			None
12	A12						Yes	** NA **			None
13	A13						Yes	** NA **			None
14	A14						Yes	** NA **			None
15	A15						Yes	** NA **			None
16	A16						Yes	** NA **			None
17	A17						Yes	** NA **			None
18	A18						Yes	** NA **			None
19	A19						Yes	** NA **			None
20	A20						Yes	** NA **			None
21	B26						Yes	** NA **			None
22	B27						Yes	** NA **			None
23	B28						Yes	** NA **			None
24	B29						Yes	** NA **			None
25	B30						Yes	** NA **			None
26	B31						Yes	** NA **			None
27	B32						Yes	** NA **			None
28	B33						Yes	** NA **			None
29	B34	OOOOXO					Yes	** NA **			None
30	B35	OOOOXO					Yes	** NA **			None
31	B36						Yes	** NA **			None
32	B37						Yes	** NA **			None
33	B38						Yes	** NA **			None
34	B39						Yes	** NA **			None
35	B40						Yes	** NA **			None
36	B41						Yes	** NA **			None
37	B42						Yes	** NA **			None
38	B43						Yes	** NA **			None
39	B44						Yes	** NA **			None
40	B45						Yes	** NA **			None
41	B80	BenPIN					Yes	** NA **			None
42	B81	BenPIN					Yes	** NA **			None
43	C51						Yes	** NA **			None
44	C52						Yes	** NA **			None
45	C53						Yes	** NA **			None
46	C54						Yes	** NA **			None
47	C55						Yes	** NA **			None
48	C56						Yes	** NA **			None
49	C57						Yes	** NA **			None
50	C58						Yes	** NA **			None
51	C59	OOOOXO					Yes	** NA **			None
52	C60	OOOOXO					Yes	** NA **			None
53	C61						Yes	** NA **			None
54	C62						Yes	** NA **			None
55	C63						Yes	** NA **			None
56	C64						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...
57	C65						Yes	** NA **			None
58	C66						Yes	** NA **			None
59	C67						Yes	** NA **			None
60	C68						Yes	** NA **			None
61	C69						Yes	** NA **			None
62	C70						Yes	** NA **			None
63	C78	BenPIN					Yes	** NA **			None
64	C79	BenPIN					Yes	** NA **			None
65	M76	BenPIN					Yes	** NA **			None
66	M77	BenPIN					Yes	** NA **			None
67	MP1A						Yes	** NA **			None
68	MP1B						Yes	** NA **			None
69	MP1C						Yes	** NA **			None
70	MP2A						Yes	** NA **			None
71	MP2B						Yes	** NA **			None
72	MP2C						Yes	** NA **			None
73	MP3A						Yes	** NA **			None
74	MP3B						Yes	** NA **			None
75	MP3C						Yes	** NA **			None
76	MP4A						Yes	** NA **			None
77	MP4B						Yes	** NA **			None
78	MP4C						Yes	** NA **			None
79	MP5A						Yes	** NA **			None
80	MP5B						Yes	** NA **			None
81	MP5C						Yes	** NA **			None
82	M82	BenPIN	BenPIN				Yes	** NA **			None
83	M83	BenPIN	BenPIN				Yes	** NA **			None
84	M84	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	Y	-17.6	5.25
2	MP5A	My	-.004	5.25
3	MP5A	Mz	0	5.25
4	MP5A	Y	-17.6	5.25
5	MP5A	My	.004	5.25
6	MP5A	Mz	0	5.25
7	MP5A	Y	-23	.68
8	MP5A	My	-.023	.68
9	MP5A	Mz	.019	.68
10	MP5A	Y	-23	6.16
11	MP5A	My	-.023	6.16
12	MP5A	Mz	.019	6.16
13	MP5B	Y	-23	.68
14	MP5B	My	-.005	.68
15	MP5B	Mz	-.03	.68
16	MP5B	Y	-23	6.16
17	MP5B	My	-.005	6.16
18	MP5B	Mz	-.03	6.16
19	MP5C	Y	-23	.68
20	MP5C	My	.026	.68
21	MP5C	Mz	.015	.68
22	MP5C	Y	-23	6.16
23	MP5C	My	.026	6.16
24	MP5C	Mz	.015	6.16

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP5A	Y	-23	.68
26	MP5A	My	-.023	.68
27	MP5A	Mz	-.019	.68
28	MP5A	Y	-23	6.16
29	MP5A	My	-.023	6.16
30	MP5A	Mz	-.019	6.16
31	MP5B	Y	-23	.68
32	MP5B	My	.028	.68
33	MP5B	Mz	-.01	.68
34	MP5B	Y	-23	6.16
35	MP5B	My	.028	6.16
36	MP5B	Mz	-.01	6.16
37	MP5C	Y	-23	.68
38	MP5C	My	-.01	.68
39	MP5C	Mz	.028	.68
40	MP5C	Y	-23	6.16
41	MP5C	My	-.01	6.16
42	MP5C	Mz	.028	6.16
43	MP3A	Y	-43.55	.62
44	MP3A	My	-.044	.62
45	MP3A	Mz	0	.62
46	MP3A	Y	-43.55	2.55
47	MP3A	My	-.044	2.55
48	MP3A	Mz	0	2.55
49	MP3B	Y	-43.55	.62
50	MP3B	My	.022	.62
51	MP3B	Mz	-.038	.62
52	MP3B	Y	-43.55	2.55
53	MP3B	My	.022	2.55
54	MP3B	Mz	-.038	2.55
55	MP3C	Y	-43.55	.62
56	MP3C	My	.015	.62
57	MP3C	Mz	.041	.62
58	MP3C	Y	-43.55	2.55
59	MP3C	My	.015	2.55
60	MP3C	Mz	.041	2.55
61	MP4A	Y	-37.35	3.25
62	MP4A	My	.025	3.25
63	MP4A	Mz	0	3.25
64	MP4A	Y	-37.35	3.25
65	MP4A	My	.025	3.25
66	MP4A	Mz	0	3.25
67	MP4B	Y	-37.35	3.25
68	MP4B	My	-.012	3.25
69	MP4B	Mz	.022	3.25
70	MP4B	Y	-37.35	3.25
71	MP4B	My	-.012	3.25
72	MP4B	Mz	.022	3.25
73	MP4C	Y	-37.35	3.25
74	MP4C	My	-.009	3.25
75	MP4C	Mz	-.023	3.25
76	MP4C	Y	-37.35	3.25
77	MP4C	My	-.009	3.25
78	MP4C	Mz	-.023	3.25
79	MP3A	Y	-35.15	3.25
80	MP3A	My	.023	3.25
81	MP3A	Mz	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP3A	Y	-35.15	3.25
83	MP3A	My	.023	3.25
84	MP3A	Mz	0	3.25
85	MP3B	Y	-35.15	3.25
86	MP3B	My	-.012	3.25
87	MP3B	Mz	.02	3.25
88	MP3B	Y	-35.15	3.25
89	MP3B	My	-.012	3.25
90	MP3B	Mz	.02	3.25
91	MP3C	Y	-35.15	3.25
92	MP3C	My	-.008	3.25
93	MP3C	Mz	-.022	3.25
94	MP3C	Y	-35.15	3.25
95	MP3C	My	-.008	3.25
96	MP3C	Mz	-.022	3.25
97	MP1A	Y	-11.5	.17
98	MP1A	My	-.011	.17
99	MP1A	Mz	0	.17
100	MP1A	Y	-11.5	5.83
101	MP1A	My	-.011	5.83
102	MP1A	Mz	0	5.83
103	MP1B	Y	-11.5	.17
104	MP1B	My	.006	.17
105	MP1B	Mz	-.01	.17
106	MP1B	Y	-11.5	5.83
107	MP1B	My	.006	5.83
108	MP1B	Mz	-.01	5.83
109	MP1C	Y	-11.5	.17
110	MP1C	My	.006	.17
111	MP1C	Mz	.01	.17
112	MP1C	Y	-11.5	5.83
113	MP1C	My	.006	5.83
114	MP1C	Mz	.01	5.83

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	Y	6.6	5.25
2	MP5A	My	.002	5.25
3	MP5A	Mz	0	5.25
4	MP5A	Y	6.6	5.25
5	MP5A	My	-.002	5.25
6	MP5A	Mz	0	5.25
7	MP5A	Y	-79.455	.68
8	MP5A	My	-.079	.68
9	MP5A	Mz	.066	.68
10	MP5A	Y	-79.455	6.16
11	MP5A	My	-.079	6.16
12	MP5A	Mz	.066	6.16
13	MP5B	Y	-79.455	.68
14	MP5B	My	-.018	.68
15	MP5B	Mz	-.102	.68
16	MP5B	Y	-79.455	6.16
17	MP5B	My	-.018	6.16
18	MP5B	Mz	-.102	6.16
19	MP5C	Y	-79.455	.68
20	MP5C	My	.089	.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP5C	Mz	.052	.68
22	MP5C	Y	-79.455	6.16
23	MP5C	My	.089	6.16
24	MP5C	Mz	.052	6.16
25	MP5A	Y	-79.455	.68
26	MP5A	My	-.079	.68
27	MP5A	Mz	-.066	.68
28	MP5A	Y	-79.455	6.16
29	MP5A	My	-.079	6.16
30	MP5A	Mz	-.066	6.16
31	MP5B	Y	-79.455	.68
32	MP5B	My	.097	.68
33	MP5B	Mz	-.036	.68
34	MP5B	Y	-79.455	6.16
35	MP5B	My	.097	6.16
36	MP5B	Mz	-.036	6.16
37	MP5C	Y	-79.455	.68
38	MP5C	My	-.035	.68
39	MP5C	Mz	.097	.68
40	MP5C	Y	-79.455	6.16
41	MP5C	My	-.035	6.16
42	MP5C	Mz	.097	6.16
43	MP3A	Y	-34.277	.62
44	MP3A	My	-.034	.62
45	MP3A	Mz	0	.62
46	MP3A	Y	-34.277	2.55
47	MP3A	My	-.034	2.55
48	MP3A	Mz	0	2.55
49	MP3B	Y	-34.277	.62
50	MP3B	My	.017	.62
51	MP3B	Mz	-.03	.62
52	MP3B	Y	-34.277	2.55
53	MP3B	My	.017	2.55
54	MP3B	Mz	-.03	2.55
55	MP3C	Y	-34.277	.62
56	MP3C	My	.012	.62
57	MP3C	Mz	.032	.62
58	MP3C	Y	-34.277	2.55
59	MP3C	My	.012	2.55
60	MP3C	Mz	.032	2.55
61	MP4A	Y	-21.546	3.25
62	MP4A	My	.014	3.25
63	MP4A	Mz	0	3.25
64	MP4A	Y	-21.546	3.25
65	MP4A	My	.014	3.25
66	MP4A	Mz	0	3.25
67	MP4B	Y	-21.546	3.25
68	MP4B	My	-.007	3.25
69	MP4B	Mz	.012	3.25
70	MP4B	Y	-21.546	3.25
71	MP4B	My	-.007	3.25
72	MP4B	Mz	.012	3.25
73	MP4C	Y	-21.546	3.25
74	MP4C	My	-.005	3.25
75	MP4C	Mz	-.013	3.25
76	MP4C	Y	-21.546	3.25
77	MP4C	My	-.005	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP4C	Mz	-.013	3.25
79	MP3A	Y	-20.515	3.25
80	MP3A	My	.014	3.25
81	MP3A	Mz	0	3.25
82	MP3A	Y	-20.515	3.25
83	MP3A	My	.014	3.25
84	MP3A	Mz	0	3.25
85	MP3B	Y	-20.515	3.25
86	MP3B	My	-.007	3.25
87	MP3B	Mz	.012	3.25
88	MP3B	Y	-20.515	3.25
89	MP3B	My	-.007	3.25
90	MP3B	Mz	.012	3.25
91	MP3C	Y	-20.515	3.25
92	MP3C	My	-.005	3.25
93	MP3C	Mz	-.013	3.25
94	MP3C	Y	-20.515	3.25
95	MP3C	My	-.005	3.25
96	MP3C	Mz	-.013	3.25
97	MP1A	Y	-56.18	.17
98	MP1A	My	-.056	.17
99	MP1A	Mz	0	.17
100	MP1A	Y	-56.18	5.83
101	MP1A	My	-.056	5.83
102	MP1A	Mz	0	5.83
103	MP1B	Y	-56.18	.17
104	MP1B	My	.028	.17
105	MP1B	Mz	-.049	.17
106	MP1B	Y	-56.18	5.83
107	MP1B	My	.028	5.83
108	MP1B	Mz	-.049	5.83
109	MP1C	Y	-56.18	.17
110	MP1C	My	.028	.17
111	MP1C	Mz	.049	.17
112	MP1C	Y	-56.18	5.83
113	MP1C	My	.028	5.83
114	MP1C	Mz	.049	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	5.25
2	MP5A	Z	-28.891	5.25
3	MP5A	Mx	0	5.25
4	MP5A	X	0	5.25
5	MP5A	Z	-28.891	5.25
6	MP5A	Mx	0	5.25
7	MP5A	X	0	.68
8	MP5A	Z	-71.595	.68
9	MP5A	Mx	-.06	.68
10	MP5A	X	0	6.16
11	MP5A	Z	-71.595	6.16
12	MP5A	Mx	-.06	6.16
13	MP5B	X	0	.68
14	MP5B	Z	-58.086	.68
15	MP5B	Mx	.075	.68
16	MP5B	X	0	6.16

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP5B	Z	-58.086	6.16
18	MP5B	Mx	.075	6.16
19	MP5C	X	0	.68
20	MP5C	Z	-55.69	.68
21	MP5C	Mx	-.036	.68
22	MP5C	X	0	6.16
23	MP5C	Z	-55.69	6.16
24	MP5C	Mx	-.036	6.16
25	MP5A	X	0	.68
26	MP5A	Z	-71.595	.68
27	MP5A	Mx	.06	.68
28	MP5A	X	0	6.16
29	MP5A	Z	-71.595	6.16
30	MP5A	Mx	.06	6.16
31	MP5B	X	0	.68
32	MP5B	Z	-58.086	.68
33	MP5B	Mx	.026	.68
34	MP5B	X	0	6.16
35	MP5B	Z	-58.086	6.16
36	MP5B	Mx	.026	6.16
37	MP5C	X	0	.68
38	MP5C	Z	-55.69	.68
39	MP5C	Mx	-.068	.68
40	MP5C	X	0	6.16
41	MP5C	Z	-55.69	6.16
42	MP5C	Mx	-.068	6.16
43	MP3A	X	0	.62
44	MP3A	Z	-59.334	.62
45	MP3A	Mx	0	.62
46	MP3A	X	0	2.55
47	MP3A	Z	-59.334	2.55
48	MP3A	Mx	0	2.55
49	MP3B	X	0	.62
50	MP3B	Z	-30.159	.62
51	MP3B	Mx	.026	.62
52	MP3B	X	0	2.55
53	MP3B	Z	-30.159	2.55
54	MP3B	Mx	.026	2.55
55	MP3C	X	0	.62
56	MP3C	Z	-24.985	.62
57	MP3C	Mx	-.023	.62
58	MP3C	X	0	2.55
59	MP3C	Z	-24.985	2.55
60	MP3C	Mx	-.023	2.55
61	MP4A	X	0	3.25
62	MP4A	Z	-23.324	3.25
63	MP4A	Mx	0	3.25
64	MP4A	X	0	3.25
65	MP4A	Z	-23.324	3.25
66	MP4A	Mx	0	3.25
67	MP4B	X	0	3.25
68	MP4B	Z	-17.568	3.25
69	MP4B	Mx	-.01	3.25
70	MP4B	X	0	3.25
71	MP4B	Z	-17.568	3.25
72	MP4B	Mx	-.01	3.25
73	MP4C	X	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4C	Z	-16.547	3.25
75	MP4C	Mx	.01	3.25
76	MP4C	X	0	3.25
77	MP4C	Z	-16.547	3.25
78	MP4C	Mx	.01	3.25
79	MP3A	X	0	3.25
80	MP3A	Z	-23.324	3.25
81	MP3A	Mx	0	3.25
82	MP3A	X	0	3.25
83	MP3A	Z	-23.324	3.25
84	MP3A	Mx	0	3.25
85	MP3B	X	0	3.25
86	MP3B	Z	-16.439	3.25
87	MP3B	Mx	-.009	3.25
88	MP3B	X	0	3.25
89	MP3B	Z	-16.439	3.25
90	MP3B	Mx	-.009	3.25
91	MP3C	X	0	3.25
92	MP3C	Z	-15.218	3.25
93	MP3C	Mx	.01	3.25
94	MP3C	X	0	3.25
95	MP3C	Z	-15.218	3.25
96	MP3C	Mx	.01	3.25
97	MP1A	X	0	.17
98	MP1A	Z	-124.118	.17
99	MP1A	Mx	0	.17
100	MP1A	X	0	5.83
101	MP1A	Z	-124.118	5.83
102	MP1A	Mx	0	5.83
103	MP1B	X	0	.17
104	MP1B	Z	-105.881	.17
105	MP1B	Mx	.092	.17
106	MP1B	X	0	5.83
107	MP1B	Z	-105.881	5.83
108	MP1B	Mx	.092	5.83
109	MP1C	X	0	.17
110	MP1C	Z	-105.881	.17
111	MP1C	Mx	-.092	.17
112	MP1C	X	0	5.83
113	MP1C	Z	-105.881	5.83
114	MP1C	Mx	-.092	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	11.929	5.25
2	MP5A	Z	-20.662	5.25
3	MP5A	Mx	-.003	5.25
4	MP5A	X	11.929	5.25
5	MP5A	Z	-20.662	5.25
6	MP5A	Mx	.003	5.25
7	MP5A	X	33.546	.68
8	MP5A	Z	-58.103	.68
9	MP5A	Mx	-.082	.68
10	MP5A	X	33.546	6.16
11	MP5A	Z	-58.103	6.16
12	MP5A	Mx	-.082	6.16

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP5B	X	26.791	.68
14	MP5B	Z	-46.404	.68
15	MP5B	Mx	.054	.68
16	MP5B	X	26.791	6.16
17	MP5B	Z	-46.404	6.16
18	MP5B	Mx	.054	6.16
19	MP5C	X	32.076	.68
20	MP5C	Z	-55.558	.68
21	MP5C	Mx	-.000284	.68
22	MP5C	X	32.076	6.16
23	MP5C	Z	-55.558	6.16
24	MP5C	Mx	-.000284	6.16
25	MP5A	X	33.546	.68
26	MP5A	Z	-58.103	.68
27	MP5A	Mx	.015	.68
28	MP5A	X	33.546	6.16
29	MP5A	Z	-58.103	6.16
30	MP5A	Mx	.015	6.16
31	MP5B	X	26.791	.68
32	MP5B	Z	-46.404	.68
33	MP5B	Mx	.054	.68
34	MP5B	X	26.791	6.16
35	MP5B	Z	-46.404	6.16
36	MP5B	Mx	.054	6.16
37	MP5C	X	32.076	.68
38	MP5C	Z	-55.558	.68
39	MP5C	Mx	-.082	.68
40	MP5C	X	32.076	6.16
41	MP5C	Z	-55.558	6.16
42	MP5C	Mx	-.082	6.16
43	MP3A	X	24.805	.62
44	MP3A	Z	-42.963	.62
45	MP3A	Mx	-.025	.62
46	MP3A	X	24.805	2.55
47	MP3A	Z	-42.963	2.55
48	MP3A	Mx	-.025	2.55
49	MP3B	X	10.217	.62
50	MP3B	Z	-17.696	.62
51	MP3B	Mx	.02	.62
52	MP3B	X	10.217	2.55
53	MP3B	Z	-17.696	2.55
54	MP3B	Mx	.02	2.55
55	MP3C	X	21.631	.62
56	MP3C	Z	-37.466	.62
57	MP3C	Mx	-.028	.62
58	MP3C	X	21.631	2.55
59	MP3C	Z	-37.466	2.55
60	MP3C	Mx	-.028	2.55
61	MP4A	X	10.702	3.25
62	MP4A	Z	-18.537	3.25
63	MP4A	Mx	.007	3.25
64	MP4A	X	10.702	3.25
65	MP4A	Z	-18.537	3.25
66	MP4A	Mx	.007	3.25
67	MP4B	X	7.825	3.25
68	MP4B	Z	-13.553	3.25
69	MP4B	Mx	-.01	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP4B	X	7.825	3.25
71	MP4B	Z	-13.553	3.25
72	MP4B	Mx	-.01	3.25
73	MP4C	X	10.076	3.25
74	MP4C	Z	-17.453	3.25
75	MP4C	Mx	.009	3.25
76	MP4C	X	10.076	3.25
77	MP4C	Z	-17.453	3.25
78	MP4C	Mx	.009	3.25
79	MP3A	X	10.514	3.25
80	MP3A	Z	-18.211	3.25
81	MP3A	Mx	.007	3.25
82	MP3A	X	10.514	3.25
83	MP3A	Z	-18.211	3.25
84	MP3A	Mx	.007	3.25
85	MP3B	X	7.072	3.25
86	MP3B	Z	-12.25	3.25
87	MP3B	Mx	-.009	3.25
88	MP3B	X	7.072	3.25
89	MP3B	Z	-12.25	3.25
90	MP3B	Mx	-.009	3.25
91	MP3C	X	9.766	3.25
92	MP3C	Z	-16.914	3.25
93	MP3C	Mx	.008	3.25
94	MP3C	X	9.766	3.25
95	MP3C	Z	-16.914	3.25
96	MP3C	Mx	.008	3.25
97	MP1A	X	59.019	.17
98	MP1A	Z	-102.225	.17
99	MP1A	Mx	-.059	.17
100	MP1A	X	59.019	5.83
101	MP1A	Z	-102.225	5.83
102	MP1A	Mx	-.059	5.83
103	MP1B	X	49.901	.17
104	MP1B	Z	-86.431	.17
105	MP1B	Mx	.1	.17
106	MP1B	X	49.901	5.83
107	MP1B	Z	-86.431	5.83
108	MP1B	Mx	.1	5.83
109	MP1C	X	59.019	.17
110	MP1C	Z	-102.225	.17
111	MP1C	Mx	-.059	.17
112	MP1C	X	59.019	5.83
113	MP1C	Z	-102.225	5.83
114	MP1C	Mx	-.059	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	11.947	5.25
2	MP5A	Z	-6.897	5.25
3	MP5A	Mx	-.003	5.25
4	MP5A	X	11.947	5.25
5	MP5A	Z	-6.897	5.25
6	MP5A	Mx	.003	5.25
7	MP5A	X	50.304	.68
8	MP5A	Z	-29.043	.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP5A	Mx	-.075	.68
10	MP5A	X	50.304	6.16
11	MP5A	Z	-29.043	6.16
12	MP5A	Mx	-.075	6.16
13	MP5B	X	50.304	.68
14	MP5B	Z	-29.043	.68
15	MP5B	Mx	.026	.68
16	MP5B	X	50.304	6.16
17	MP5B	Z	-29.043	6.16
18	MP5B	Mx	.026	6.16
19	MP5C	X	61.533	.68
20	MP5C	Z	-35.526	.68
21	MP5C	Mx	.046	.68
22	MP5C	X	61.533	6.16
23	MP5C	Z	-35.526	6.16
24	MP5C	Mx	.046	6.16
25	MP5A	X	50.304	.68
26	MP5A	Z	-29.043	.68
27	MP5A	Mx	-.026	.68
28	MP5A	X	50.304	6.16
29	MP5A	Z	-29.043	6.16
30	MP5A	Mx	-.026	6.16
31	MP5B	X	50.304	.68
32	MP5B	Z	-29.043	.68
33	MP5B	Mx	.075	.68
34	MP5B	X	50.304	6.16
35	MP5B	Z	-29.043	6.16
36	MP5B	Mx	.075	6.16
37	MP5C	X	61.533	.68
38	MP5C	Z	-35.526	.68
39	MP5C	Mx	-.071	.68
40	MP5C	X	61.533	6.16
41	MP5C	Z	-35.526	6.16
42	MP5C	Mx	-.071	6.16
43	MP3A	X	26.119	.62
44	MP3A	Z	-15.08	.62
45	MP3A	Mx	-.026	.62
46	MP3A	X	26.119	2.55
47	MP3A	Z	-15.08	2.55
48	MP3A	Mx	-.026	2.55
49	MP3B	X	26.119	.62
50	MP3B	Z	-15.08	.62
51	MP3B	Mx	.026	.62
52	MP3B	X	26.119	2.55
53	MP3B	Z	-15.08	2.55
54	MP3B	Mx	.026	2.55
55	MP3C	X	50.369	.62
56	MP3C	Z	-29.081	.62
57	MP3C	Mx	-.01	.62
58	MP3C	X	50.369	2.55
59	MP3C	Z	-29.081	2.55
60	MP3C	Mx	-.01	2.55
61	MP4A	X	15.214	3.25
62	MP4A	Z	-8.784	3.25
63	MP4A	Mx	.01	3.25
64	MP4A	X	15.214	3.25
65	MP4A	Z	-8.784	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP4A	Mx	.01	3.25
67	MP4B	X	15.214	3.25
68	MP4B	Z	-8.784	3.25
69	MP4B	Mx	-.01	3.25
70	MP4B	X	15.214	3.25
71	MP4B	Z	-8.784	3.25
72	MP4B	Mx	-.01	3.25
73	MP4C	X	19.998	3.25
74	MP4C	Z	-11.546	3.25
75	MP4C	Mx	.003	3.25
76	MP4C	X	19.998	3.25
77	MP4C	Z	-11.546	3.25
78	MP4C	Mx	.003	3.25
79	MP3A	X	14.237	3.25
80	MP3A	Z	-8.22	3.25
81	MP3A	Mx	.009	3.25
82	MP3A	X	14.237	3.25
83	MP3A	Z	-8.22	3.25
84	MP3A	Mx	.009	3.25
85	MP3B	X	14.237	3.25
86	MP3B	Z	-8.22	3.25
87	MP3B	Mx	-.009	3.25
88	MP3B	X	14.237	3.25
89	MP3B	Z	-8.22	3.25
90	MP3B	Mx	-.009	3.25
91	MP3C	X	19.959	3.25
92	MP3C	Z	-11.523	3.25
93	MP3C	Mx	.003	3.25
94	MP3C	X	19.959	3.25
95	MP3C	Z	-11.523	3.25
96	MP3C	Mx	.003	3.25
97	MP1A	X	91.696	.17
98	MP1A	Z	-52.94	.17
99	MP1A	Mx	-.092	.17
100	MP1A	X	91.696	5.83
101	MP1A	Z	-52.94	5.83
102	MP1A	Mx	-.092	5.83
103	MP1B	X	91.696	.17
104	MP1B	Z	-52.94	.17
105	MP1B	Mx	.092	.17
106	MP1B	X	91.696	5.83
107	MP1B	Z	-52.94	5.83
108	MP1B	Mx	.092	5.83
109	MP1C	X	107.489	.17
110	MP1C	Z	-62.059	.17
111	MP1C	Mx	0	.17
112	MP1C	X	107.489	5.83
113	MP1C	Z	-62.059	5.83
114	MP1C	Mx	0	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	8.763	5.25
2	MP5A	Z	0	5.25
3	MP5A	Mx	-.002	5.25
4	MP5A	X	8.763	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP5A	Z	0	5.25
6	MP5A	Mx	.002	5.25
7	MP5A	X	53.583	.68
8	MP5A	Z	0	.68
9	MP5A	Mx	-.054	.68
10	MP5A	X	53.583	6.16
11	MP5A	Z	0	6.16
12	MP5A	Mx	-.054	6.16
13	MP5B	X	67.092	.68
14	MP5B	Z	0	.68
15	MP5B	Mx	-.015	.68
16	MP5B	X	67.092	6.16
17	MP5B	Z	0	6.16
18	MP5B	Mx	-.015	6.16
19	MP5C	X	69.488	.68
20	MP5C	Z	0	.68
21	MP5C	Mx	.078	.68
22	MP5C	X	69.488	6.16
23	MP5C	Z	0	6.16
24	MP5C	Mx	.078	6.16
25	MP5A	X	53.583	.68
26	MP5A	Z	0	.68
27	MP5A	Mx	-.054	.68
28	MP5A	X	53.583	6.16
29	MP5A	Z	0	6.16
30	MP5A	Mx	-.054	6.16
31	MP5B	X	67.092	.68
32	MP5B	Z	0	.68
33	MP5B	Mx	.082	.68
34	MP5B	X	67.092	6.16
35	MP5B	Z	0	6.16
36	MP5B	Mx	.082	6.16
37	MP5C	X	69.488	.68
38	MP5C	Z	0	.68
39	MP5C	Mx	-.031	.68
40	MP5C	X	69.488	6.16
41	MP5C	Z	0	6.16
42	MP5C	Mx	-.031	6.16
43	MP3A	X	20.434	.62
44	MP3A	Z	0	.62
45	MP3A	Mx	-.02	.62
46	MP3A	X	20.434	2.55
47	MP3A	Z	0	2.55
48	MP3A	Mx	-.02	2.55
49	MP3B	X	49.609	.62
50	MP3B	Z	0	.62
51	MP3B	Mx	.025	.62
52	MP3B	X	49.609	2.55
53	MP3B	Z	0	2.55
54	MP3B	Mx	.025	2.55
55	MP3C	X	54.784	.62
56	MP3C	Z	0	.62
57	MP3C	Mx	.019	.62
58	MP3C	X	54.784	2.55
59	MP3C	Z	0	2.55
60	MP3C	Mx	.019	2.55
61	MP4A	X	15.649	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP4A	Z	0	3.25
63	MP4A	Mx	.01	3.25
64	MP4A	X	15.649	3.25
65	MP4A	Z	0	3.25
66	MP4A	Mx	.01	3.25
67	MP4B	X	21.405	3.25
68	MP4B	Z	0	3.25
69	MP4B	Mx	-.007	3.25
70	MP4B	X	21.405	3.25
71	MP4B	Z	0	3.25
72	MP4B	Mx	-.007	3.25
73	MP4C	X	22.426	3.25
74	MP4C	Z	0	3.25
75	MP4C	Mx	-.005	3.25
76	MP4C	X	22.426	3.25
77	MP4C	Z	0	3.25
78	MP4C	Mx	-.005	3.25
79	MP3A	X	14.145	3.25
80	MP3A	Z	0	3.25
81	MP3A	Mx	.009	3.25
82	MP3A	X	14.145	3.25
83	MP3A	Z	0	3.25
84	MP3A	Mx	.009	3.25
85	MP3B	X	21.029	3.25
86	MP3B	Z	0	3.25
87	MP3B	Mx	-.007	3.25
88	MP3B	X	21.029	3.25
89	MP3B	Z	0	3.25
90	MP3B	Mx	-.007	3.25
91	MP3C	X	22.25	3.25
92	MP3C	Z	0	3.25
93	MP3C	Mx	-.005	3.25
94	MP3C	X	22.25	3.25
95	MP3C	Z	0	3.25
96	MP3C	Mx	-.005	3.25
97	MP1A	X	99.802	.17
98	MP1A	Z	0	.17
99	MP1A	Mx	-.1	.17
100	MP1A	X	99.802	5.83
101	MP1A	Z	0	5.83
102	MP1A	Mx	-.1	5.83
103	MP1B	X	118.039	.17
104	MP1B	Z	0	.17
105	MP1B	Mx	.059	.17
106	MP1B	X	118.039	5.83
107	MP1B	Z	0	5.83
108	MP1B	Mx	.059	5.83
109	MP1C	X	118.039	.17
110	MP1C	Z	0	.17
111	MP1C	Mx	.059	.17
112	MP1C	X	118.039	5.83
113	MP1C	Z	0	5.83
114	MP1C	Mx	.059	5.83

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	11.947	5.25
2	MP5A	Z	6.897	5.25
3	MP5A	Mx	-.003	5.25
4	MP5A	X	11.947	5.25
5	MP5A	Z	6.897	5.25
6	MP5A	Mx	.003	5.25
7	MP5A	X	50.304	.68
8	MP5A	Z	29.043	.68
9	MP5A	Mx	-.026	.68
10	MP5A	X	50.304	6.16
11	MP5A	Z	29.043	6.16
12	MP5A	Mx	-.026	6.16
13	MP5B	X	62.003	.68
14	MP5B	Z	35.797	.68
15	MP5B	Mx	-.06	.68
16	MP5B	X	62.003	6.16
17	MP5B	Z	35.797	6.16
18	MP5B	Mx	-.06	6.16
19	MP5C	X	52.849	.68
20	MP5C	Z	30.512	.68
21	MP5C	Mx	.079	.68
22	MP5C	X	52.849	6.16
23	MP5C	Z	30.512	6.16
24	MP5C	Mx	.079	6.16
25	MP5A	X	50.304	.68
26	MP5A	Z	29.043	.68
27	MP5A	Mx	-.075	.68
28	MP5A	X	50.304	6.16
29	MP5A	Z	29.043	6.16
30	MP5A	Mx	-.075	6.16
31	MP5B	X	62.003	.68
32	MP5B	Z	35.797	.68
33	MP5B	Mx	.06	.68
34	MP5B	X	62.003	6.16
35	MP5B	Z	35.797	6.16
36	MP5B	Mx	.06	6.16
37	MP5C	X	52.849	.68
38	MP5C	Z	30.512	.68
39	MP5C	Mx	.014	.68
40	MP5C	X	52.849	6.16
41	MP5C	Z	30.512	6.16
42	MP5C	Mx	.014	6.16
43	MP3A	X	26.119	.62
44	MP3A	Z	15.08	.62
45	MP3A	Mx	-.026	.62
46	MP3A	X	26.119	2.55
47	MP3A	Z	15.08	2.55
48	MP3A	Mx	-.026	2.55
49	MP3B	X	51.385	.62
50	MP3B	Z	29.667	.62
51	MP3B	Mx	0	.62
52	MP3B	X	51.385	2.55
53	MP3B	Z	29.667	2.55
54	MP3B	Mx	0	2.55
55	MP3C	X	31.616	.62
56	MP3C	Z	18.253	.62
57	MP3C	Mx	.028	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	31.616	2.55
59	MP3C	Z	18.253	2.55
60	MP3C	Mx	.028	2.55
61	MP4A	X	15.214	3.25
62	MP4A	Z	8.784	3.25
63	MP4A	Mx	.01	3.25
64	MP4A	X	15.214	3.25
65	MP4A	Z	8.784	3.25
66	MP4A	Mx	.01	3.25
67	MP4B	X	20.199	3.25
68	MP4B	Z	11.662	3.25
69	MP4B	Mx	0	3.25
70	MP4B	X	20.199	3.25
71	MP4B	Z	11.662	3.25
72	MP4B	Mx	0	3.25
73	MP4C	X	16.299	3.25
74	MP4C	Z	9.41	3.25
75	MP4C	Mx	-.01	3.25
76	MP4C	X	16.299	3.25
77	MP4C	Z	9.41	3.25
78	MP4C	Mx	-.01	3.25
79	MP3A	X	14.237	3.25
80	MP3A	Z	8.22	3.25
81	MP3A	Mx	.009	3.25
82	MP3A	X	14.237	3.25
83	MP3A	Z	8.22	3.25
84	MP3A	Mx	.009	3.25
85	MP3B	X	20.199	3.25
86	MP3B	Z	11.662	3.25
87	MP3B	Mx	0	3.25
88	MP3B	X	20.199	3.25
89	MP3B	Z	11.662	3.25
90	MP3B	Mx	0	3.25
91	MP3C	X	15.534	3.25
92	MP3C	Z	8.969	3.25
93	MP3C	Mx	-.009	3.25
94	MP3C	X	15.534	3.25
95	MP3C	Z	8.969	3.25
96	MP3C	Mx	-.009	3.25
97	MP1A	X	91.696	.17
98	MP1A	Z	52.94	.17
99	MP1A	Mx	-.092	.17
100	MP1A	X	91.696	5.83
101	MP1A	Z	52.94	5.83
102	MP1A	Mx	-.092	5.83
103	MP1B	X	107.489	.17
104	MP1B	Z	62.059	.17
105	MP1B	Mx	0	.17
106	MP1B	X	107.489	5.83
107	MP1B	Z	62.059	5.83
108	MP1B	Mx	0	5.83
109	MP1C	X	91.696	.17
110	MP1C	Z	52.94	.17
111	MP1C	Mx	.092	.17
112	MP1C	X	91.696	5.83
113	MP1C	Z	52.94	5.83
114	MP1C	Mx	.092	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	11.929	5.25
2	MP5A	Z	20.662	5.25
3	MP5A	Mx	-.003	5.25
4	MP5A	X	11.929	5.25
5	MP5A	Z	20.662	5.25
6	MP5A	Mx	.003	5.25
7	MP5A	X	33.546	.68
8	MP5A	Z	58.103	.68
9	MP5A	Mx	.015	.68
10	MP5A	X	33.546	6.16
11	MP5A	Z	58.103	6.16
12	MP5A	Mx	.015	6.16
13	MP5B	X	33.546	.68
14	MP5B	Z	58.103	.68
15	MP5B	Mx	-.082	.68
16	MP5B	X	33.546	6.16
17	MP5B	Z	58.103	6.16
18	MP5B	Mx	-.082	6.16
19	MP5C	X	27.063	.68
20	MP5C	Z	46.874	.68
21	MP5C	Mx	.061	.68
22	MP5C	X	27.063	6.16
23	MP5C	Z	46.874	6.16
24	MP5C	Mx	.061	6.16
25	MP5A	X	33.546	.68
26	MP5A	Z	58.103	.68
27	MP5A	Mx	-.082	.68
28	MP5A	X	33.546	6.16
29	MP5A	Z	58.103	6.16
30	MP5A	Mx	-.082	6.16
31	MP5B	X	33.546	.68
32	MP5B	Z	58.103	.68
33	MP5B	Mx	.015	.68
34	MP5B	X	33.546	6.16
35	MP5B	Z	58.103	6.16
36	MP5B	Mx	.015	6.16
37	MP5C	X	27.063	.68
38	MP5C	Z	46.874	.68
39	MP5C	Mx	.045	.68
40	MP5C	X	27.063	6.16
41	MP5C	Z	46.874	6.16
42	MP5C	Mx	.045	6.16
43	MP3A	X	24.805	.62
44	MP3A	Z	42.963	.62
45	MP3A	Mx	-.025	.62
46	MP3A	X	24.805	2.55
47	MP3A	Z	42.963	2.55
48	MP3A	Mx	-.025	2.55
49	MP3B	X	24.805	.62
50	MP3B	Z	42.963	.62
51	MP3B	Mx	-.025	.62
52	MP3B	X	24.805	2.55
53	MP3B	Z	42.963	2.55
54	MP3B	Mx	-.025	2.55
55	MP3C	X	10.804	.62
56	MP3C	Z	18.712	.62
57	MP3C	Mx	.021	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	10.804	2.55
59	MP3C	Z	18.712	2.55
60	MP3C	Mx	.021	2.55
61	MP4A	X	10.702	3.25
62	MP4A	Z	18.537	3.25
63	MP4A	Mx	.007	3.25
64	MP4A	X	10.702	3.25
65	MP4A	Z	18.537	3.25
66	MP4A	Mx	.007	3.25
67	MP4B	X	10.702	3.25
68	MP4B	Z	18.537	3.25
69	MP4B	Mx	.007	3.25
70	MP4B	X	10.702	3.25
71	MP4B	Z	18.537	3.25
72	MP4B	Mx	.007	3.25
73	MP4C	X	7.94	3.25
74	MP4C	Z	13.753	3.25
75	MP4C	Mx	-.01	3.25
76	MP4C	X	7.94	3.25
77	MP4C	Z	13.753	3.25
78	MP4C	Mx	-.01	3.25
79	MP3A	X	10.514	3.25
80	MP3A	Z	18.211	3.25
81	MP3A	Mx	.007	3.25
82	MP3A	X	10.514	3.25
83	MP3A	Z	18.211	3.25
84	MP3A	Mx	.007	3.25
85	MP3B	X	10.514	3.25
86	MP3B	Z	18.211	3.25
87	MP3B	Mx	.007	3.25
88	MP3B	X	10.514	3.25
89	MP3B	Z	18.211	3.25
90	MP3B	Mx	.007	3.25
91	MP3C	X	7.211	3.25
92	MP3C	Z	12.489	3.25
93	MP3C	Mx	-.009	3.25
94	MP3C	X	7.211	3.25
95	MP3C	Z	12.489	3.25
96	MP3C	Mx	-.009	3.25
97	MP1A	X	59.019	.17
98	MP1A	Z	102.225	.17
99	MP1A	Mx	-.059	.17
100	MP1A	X	59.019	5.83
101	MP1A	Z	102.225	5.83
102	MP1A	Mx	-.059	5.83
103	MP1B	X	59.019	.17
104	MP1B	Z	102.225	.17
105	MP1B	Mx	-.059	.17
106	MP1B	X	59.019	5.83
107	MP1B	Z	102.225	5.83
108	MP1B	Mx	-.059	5.83
109	MP1C	X	49.901	.17
110	MP1C	Z	86.431	.17
111	MP1C	Mx	.1	.17
112	MP1C	X	49.901	5.83
113	MP1C	Z	86.431	5.83
114	MP1C	Mx	.1	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	5.25
2	MP5A	Z	28.891	5.25
3	MP5A	Mx	0	5.25
4	MP5A	X	0	5.25
5	MP5A	Z	28.891	5.25
6	MP5A	Mx	0	5.25
7	MP5A	X	0	.68
8	MP5A	Z	71.595	.68
9	MP5A	Mx	.06	.68
10	MP5A	X	0	6.16
11	MP5A	Z	71.595	6.16
12	MP5A	Mx	.06	6.16
13	MP5B	X	0	.68
14	MP5B	Z	58.086	.68
15	MP5B	Mx	-.075	.68
16	MP5B	X	0	6.16
17	MP5B	Z	58.086	6.16
18	MP5B	Mx	-.075	6.16
19	MP5C	X	0	.68
20	MP5C	Z	55.69	.68
21	MP5C	Mx	.036	.68
22	MP5C	X	0	6.16
23	MP5C	Z	55.69	6.16
24	MP5C	Mx	.036	6.16
25	MP5A	X	0	.68
26	MP5A	Z	71.595	.68
27	MP5A	Mx	-.06	.68
28	MP5A	X	0	6.16
29	MP5A	Z	71.595	6.16
30	MP5A	Mx	-.06	6.16
31	MP5B	X	0	.68
32	MP5B	Z	58.086	.68
33	MP5B	Mx	-.026	.68
34	MP5B	X	0	6.16
35	MP5B	Z	58.086	6.16
36	MP5B	Mx	-.026	6.16
37	MP5C	X	0	.68
38	MP5C	Z	55.69	.68
39	MP5C	Mx	.068	.68
40	MP5C	X	0	6.16
41	MP5C	Z	55.69	6.16
42	MP5C	Mx	.068	6.16
43	MP3A	X	0	.62
44	MP3A	Z	59.334	.62
45	MP3A	Mx	0	.62
46	MP3A	X	0	2.55
47	MP3A	Z	59.334	2.55
48	MP3A	Mx	0	2.55
49	MP3B	X	0	.62
50	MP3B	Z	30.159	.62
51	MP3B	Mx	-.026	.62
52	MP3B	X	0	2.55
53	MP3B	Z	30.159	2.55
54	MP3B	Mx	-.026	2.55
55	MP3C	X	0	.62
56	MP3C	Z	24.985	.62
57	MP3C	Mx	.023	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	0	2.55
59	MP3C	Z	24.985	2.55
60	MP3C	Mx	.023	2.55
61	MP4A	X	0	3.25
62	MP4A	Z	23.324	3.25
63	MP4A	Mx	0	3.25
64	MP4A	X	0	3.25
65	MP4A	Z	23.324	3.25
66	MP4A	Mx	0	3.25
67	MP4B	X	0	3.25
68	MP4B	Z	17.568	3.25
69	MP4B	Mx	.01	3.25
70	MP4B	X	0	3.25
71	MP4B	Z	17.568	3.25
72	MP4B	Mx	.01	3.25
73	MP4C	X	0	3.25
74	MP4C	Z	16.547	3.25
75	MP4C	Mx	-.01	3.25
76	MP4C	X	0	3.25
77	MP4C	Z	16.547	3.25
78	MP4C	Mx	-.01	3.25
79	MP3A	X	0	3.25
80	MP3A	Z	23.324	3.25
81	MP3A	Mx	0	3.25
82	MP3A	X	0	3.25
83	MP3A	Z	23.324	3.25
84	MP3A	Mx	0	3.25
85	MP3B	X	0	3.25
86	MP3B	Z	16.439	3.25
87	MP3B	Mx	.009	3.25
88	MP3B	X	0	3.25
89	MP3B	Z	16.439	3.25
90	MP3B	Mx	.009	3.25
91	MP3C	X	0	3.25
92	MP3C	Z	15.218	3.25
93	MP3C	Mx	-.01	3.25
94	MP3C	X	0	3.25
95	MP3C	Z	15.218	3.25
96	MP3C	Mx	-.01	3.25
97	MP1A	X	0	.17
98	MP1A	Z	124.118	.17
99	MP1A	Mx	0	.17
100	MP1A	X	0	5.83
101	MP1A	Z	124.118	5.83
102	MP1A	Mx	0	5.83
103	MP1B	X	0	.17
104	MP1B	Z	105.881	.17
105	MP1B	Mx	-.092	.17
106	MP1B	X	0	5.83
107	MP1B	Z	105.881	5.83
108	MP1B	Mx	-.092	5.83
109	MP1C	X	0	.17
110	MP1C	Z	105.881	.17
111	MP1C	Mx	.092	.17
112	MP1C	X	0	5.83
113	MP1C	Z	105.881	5.83
114	MP1C	Mx	.092	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-11.929	5.25
2	MP5A	Z	20.662	5.25
3	MP5A	Mx	.003	5.25
4	MP5A	X	-11.929	5.25
5	MP5A	Z	20.662	5.25
6	MP5A	Mx	-.003	5.25
7	MP5A	X	-33.546	.68
8	MP5A	Z	58.103	.68
9	MP5A	Mx	.082	.68
10	MP5A	X	-33.546	6.16
11	MP5A	Z	58.103	6.16
12	MP5A	Mx	.082	6.16
13	MP5B	X	-26.791	.68
14	MP5B	Z	46.404	.68
15	MP5B	Mx	-.054	.68
16	MP5B	X	-26.791	6.16
17	MP5B	Z	46.404	6.16
18	MP5B	Mx	-.054	6.16
19	MP5C	X	-32.076	.68
20	MP5C	Z	55.558	.68
21	MP5C	Mx	.000284	.68
22	MP5C	X	-32.076	6.16
23	MP5C	Z	55.558	6.16
24	MP5C	Mx	.000284	6.16
25	MP5A	X	-33.546	.68
26	MP5A	Z	58.103	.68
27	MP5A	Mx	-.015	.68
28	MP5A	X	-33.546	6.16
29	MP5A	Z	58.103	6.16
30	MP5A	Mx	-.015	6.16
31	MP5B	X	-26.791	.68
32	MP5B	Z	46.404	.68
33	MP5B	Mx	-.054	.68
34	MP5B	X	-26.791	6.16
35	MP5B	Z	46.404	6.16
36	MP5B	Mx	-.054	6.16
37	MP5C	X	-32.076	.68
38	MP5C	Z	55.558	.68
39	MP5C	Mx	.082	.68
40	MP5C	X	-32.076	6.16
41	MP5C	Z	55.558	6.16
42	MP5C	Mx	.082	6.16
43	MP3A	X	-24.805	.62
44	MP3A	Z	42.963	.62
45	MP3A	Mx	.025	.62
46	MP3A	X	-24.805	2.55
47	MP3A	Z	42.963	2.55
48	MP3A	Mx	.025	2.55
49	MP3B	X	-10.217	.62
50	MP3B	Z	17.696	.62
51	MP3B	Mx	-.02	.62
52	MP3B	X	-10.217	2.55
53	MP3B	Z	17.696	2.55
54	MP3B	Mx	-.02	2.55
55	MP3C	X	-21.631	.62
56	MP3C	Z	37.466	.62
57	MP3C	Mx	.028	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-21.631	2.55
59	MP3C	Z	37.466	2.55
60	MP3C	Mx	.028	2.55
61	MP4A	X	-10.702	3.25
62	MP4A	Z	18.537	3.25
63	MP4A	Mx	-.007	3.25
64	MP4A	X	-10.702	3.25
65	MP4A	Z	18.537	3.25
66	MP4A	Mx	-.007	3.25
67	MP4B	X	-7.825	3.25
68	MP4B	Z	13.553	3.25
69	MP4B	Mx	.01	3.25
70	MP4B	X	-7.825	3.25
71	MP4B	Z	13.553	3.25
72	MP4B	Mx	.01	3.25
73	MP4C	X	-10.076	3.25
74	MP4C	Z	17.453	3.25
75	MP4C	Mx	-.009	3.25
76	MP4C	X	-10.076	3.25
77	MP4C	Z	17.453	3.25
78	MP4C	Mx	-.009	3.25
79	MP3A	X	-10.514	3.25
80	MP3A	Z	18.211	3.25
81	MP3A	Mx	-.007	3.25
82	MP3A	X	-10.514	3.25
83	MP3A	Z	18.211	3.25
84	MP3A	Mx	-.007	3.25
85	MP3B	X	-7.072	3.25
86	MP3B	Z	12.25	3.25
87	MP3B	Mx	.009	3.25
88	MP3B	X	-7.072	3.25
89	MP3B	Z	12.25	3.25
90	MP3B	Mx	.009	3.25
91	MP3C	X	-9.766	3.25
92	MP3C	Z	16.914	3.25
93	MP3C	Mx	-.008	3.25
94	MP3C	X	-9.766	3.25
95	MP3C	Z	16.914	3.25
96	MP3C	Mx	-.008	3.25
97	MP1A	X	-59.019	.17
98	MP1A	Z	102.225	.17
99	MP1A	Mx	.059	.17
100	MP1A	X	-59.019	5.83
101	MP1A	Z	102.225	5.83
102	MP1A	Mx	.059	5.83
103	MP1B	X	-49.901	.17
104	MP1B	Z	86.431	.17
105	MP1B	Mx	-.1	.17
106	MP1B	X	-49.901	5.83
107	MP1B	Z	86.431	5.83
108	MP1B	Mx	-.1	5.83
109	MP1C	X	-59.019	.17
110	MP1C	Z	102.225	.17
111	MP1C	Mx	.059	.17
112	MP1C	X	-59.019	5.83
113	MP1C	Z	102.225	5.83
114	MP1C	Mx	.059	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-11.947	5.25
2	MP5A	Z	6.897	5.25
3	MP5A	Mx	.003	5.25
4	MP5A	X	-11.947	5.25
5	MP5A	Z	6.897	5.25
6	MP5A	Mx	-.003	5.25
7	MP5A	X	-50.304	.68
8	MP5A	Z	29.043	.68
9	MP5A	Mx	.075	.68
10	MP5A	X	-50.304	6.16
11	MP5A	Z	29.043	6.16
12	MP5A	Mx	.075	6.16
13	MP5B	X	-50.304	.68
14	MP5B	Z	29.043	.68
15	MP5B	Mx	-.026	.68
16	MP5B	X	-50.304	6.16
17	MP5B	Z	29.043	6.16
18	MP5B	Mx	-.026	6.16
19	MP5C	X	-61.533	.68
20	MP5C	Z	35.526	.68
21	MP5C	Mx	-.046	.68
22	MP5C	X	-61.533	6.16
23	MP5C	Z	35.526	6.16
24	MP5C	Mx	-.046	6.16
25	MP5A	X	-50.304	.68
26	MP5A	Z	29.043	.68
27	MP5A	Mx	.026	.68
28	MP5A	X	-50.304	6.16
29	MP5A	Z	29.043	6.16
30	MP5A	Mx	.026	6.16
31	MP5B	X	-50.304	.68
32	MP5B	Z	29.043	.68
33	MP5B	Mx	-.075	.68
34	MP5B	X	-50.304	6.16
35	MP5B	Z	29.043	6.16
36	MP5B	Mx	-.075	6.16
37	MP5C	X	-61.533	.68
38	MP5C	Z	35.526	.68
39	MP5C	Mx	.071	.68
40	MP5C	X	-61.533	6.16
41	MP5C	Z	35.526	6.16
42	MP5C	Mx	.071	6.16
43	MP3A	X	-26.119	.62
44	MP3A	Z	15.08	.62
45	MP3A	Mx	.026	.62
46	MP3A	X	-26.119	2.55
47	MP3A	Z	15.08	2.55
48	MP3A	Mx	.026	2.55
49	MP3B	X	-26.119	.62
50	MP3B	Z	15.08	.62
51	MP3B	Mx	-.026	.62
52	MP3B	X	-26.119	2.55
53	MP3B	Z	15.08	2.55
54	MP3B	Mx	-.026	2.55
55	MP3C	X	-50.369	.62
56	MP3C	Z	29.081	.62
57	MP3C	Mx	.01	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-50.369	2.55
59	MP3C	Z	29.081	2.55
60	MP3C	Mx	.01	2.55
61	MP4A	X	-15.214	3.25
62	MP4A	Z	8.784	3.25
63	MP4A	Mx	-.01	3.25
64	MP4A	X	-15.214	3.25
65	MP4A	Z	8.784	3.25
66	MP4A	Mx	-.01	3.25
67	MP4B	X	-15.214	3.25
68	MP4B	Z	8.784	3.25
69	MP4B	Mx	.01	3.25
70	MP4B	X	-15.214	3.25
71	MP4B	Z	8.784	3.25
72	MP4B	Mx	.01	3.25
73	MP4C	X	-19.998	3.25
74	MP4C	Z	11.546	3.25
75	MP4C	Mx	-.003	3.25
76	MP4C	X	-19.998	3.25
77	MP4C	Z	11.546	3.25
78	MP4C	Mx	-.003	3.25
79	MP3A	X	-14.237	3.25
80	MP3A	Z	8.22	3.25
81	MP3A	Mx	-.009	3.25
82	MP3A	X	-14.237	3.25
83	MP3A	Z	8.22	3.25
84	MP3A	Mx	-.009	3.25
85	MP3B	X	-14.237	3.25
86	MP3B	Z	8.22	3.25
87	MP3B	Mx	.009	3.25
88	MP3B	X	-14.237	3.25
89	MP3B	Z	8.22	3.25
90	MP3B	Mx	.009	3.25
91	MP3C	X	-19.959	3.25
92	MP3C	Z	11.523	3.25
93	MP3C	Mx	-.003	3.25
94	MP3C	X	-19.959	3.25
95	MP3C	Z	11.523	3.25
96	MP3C	Mx	-.003	3.25
97	MP1A	X	-91.696	.17
98	MP1A	Z	52.94	.17
99	MP1A	Mx	.092	.17
100	MP1A	X	-91.696	5.83
101	MP1A	Z	52.94	5.83
102	MP1A	Mx	.092	5.83
103	MP1B	X	-91.696	.17
104	MP1B	Z	52.94	.17
105	MP1B	Mx	-.092	.17
106	MP1B	X	-91.696	5.83
107	MP1B	Z	52.94	5.83
108	MP1B	Mx	-.092	5.83
109	MP1C	X	-107.489	.17
110	MP1C	Z	62.059	.17
111	MP1C	Mx	0	.17
112	MP1C	X	-107.489	5.83
113	MP1C	Z	62.059	5.83
114	MP1C	Mx	0	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-8.763	5.25
2	MP5A	Z	0	5.25
3	MP5A	Mx	.002	5.25
4	MP5A	X	-8.763	5.25
5	MP5A	Z	0	5.25
6	MP5A	Mx	-.002	5.25
7	MP5A	X	-53.583	.68
8	MP5A	Z	0	.68
9	MP5A	Mx	.054	.68
10	MP5A	X	-53.583	6.16
11	MP5A	Z	0	6.16
12	MP5A	Mx	.054	6.16
13	MP5B	X	-67.092	.68
14	MP5B	Z	0	.68
15	MP5B	Mx	.015	.68
16	MP5B	X	-67.092	6.16
17	MP5B	Z	0	6.16
18	MP5B	Mx	.015	6.16
19	MP5C	X	-69.488	.68
20	MP5C	Z	0	.68
21	MP5C	Mx	-.078	.68
22	MP5C	X	-69.488	6.16
23	MP5C	Z	0	6.16
24	MP5C	Mx	-.078	6.16
25	MP5A	X	-53.583	.68
26	MP5A	Z	0	.68
27	MP5A	Mx	.054	.68
28	MP5A	X	-53.583	6.16
29	MP5A	Z	0	6.16
30	MP5A	Mx	.054	6.16
31	MP5B	X	-67.092	.68
32	MP5B	Z	0	.68
33	MP5B	Mx	-.082	.68
34	MP5B	X	-67.092	6.16
35	MP5B	Z	0	6.16
36	MP5B	Mx	-.082	6.16
37	MP5C	X	-69.488	.68
38	MP5C	Z	0	.68
39	MP5C	Mx	.031	.68
40	MP5C	X	-69.488	6.16
41	MP5C	Z	0	6.16
42	MP5C	Mx	.031	6.16
43	MP3A	X	-20.434	.62
44	MP3A	Z	0	.62
45	MP3A	Mx	.02	.62
46	MP3A	X	-20.434	2.55
47	MP3A	Z	0	2.55
48	MP3A	Mx	.02	2.55
49	MP3B	X	-49.609	.62
50	MP3B	Z	0	.62
51	MP3B	Mx	-.025	.62
52	MP3B	X	-49.609	2.55
53	MP3B	Z	0	2.55
54	MP3B	Mx	-.025	2.55
55	MP3C	X	-54.784	.62
56	MP3C	Z	0	.62
57	MP3C	Mx	-.019	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-54.784	2.55
59	MP3C	Z	0	2.55
60	MP3C	Mx	-.019	2.55
61	MP4A	X	-15.649	3.25
62	MP4A	Z	0	3.25
63	MP4A	Mx	-.01	3.25
64	MP4A	X	-15.649	3.25
65	MP4A	Z	0	3.25
66	MP4A	Mx	-.01	3.25
67	MP4B	X	-21.405	3.25
68	MP4B	Z	0	3.25
69	MP4B	Mx	.007	3.25
70	MP4B	X	-21.405	3.25
71	MP4B	Z	0	3.25
72	MP4B	Mx	.007	3.25
73	MP4C	X	-22.426	3.25
74	MP4C	Z	0	3.25
75	MP4C	Mx	.005	3.25
76	MP4C	X	-22.426	3.25
77	MP4C	Z	0	3.25
78	MP4C	Mx	.005	3.25
79	MP3A	X	-14.145	3.25
80	MP3A	Z	0	3.25
81	MP3A	Mx	-.009	3.25
82	MP3A	X	-14.145	3.25
83	MP3A	Z	0	3.25
84	MP3A	Mx	-.009	3.25
85	MP3B	X	-21.029	3.25
86	MP3B	Z	0	3.25
87	MP3B	Mx	.007	3.25
88	MP3B	X	-21.029	3.25
89	MP3B	Z	0	3.25
90	MP3B	Mx	.007	3.25
91	MP3C	X	-22.25	3.25
92	MP3C	Z	0	3.25
93	MP3C	Mx	.005	3.25
94	MP3C	X	-22.25	3.25
95	MP3C	Z	0	3.25
96	MP3C	Mx	.005	3.25
97	MP1A	X	-99.802	.17
98	MP1A	Z	0	.17
99	MP1A	Mx	.1	.17
100	MP1A	X	-99.802	5.83
101	MP1A	Z	0	5.83
102	MP1A	Mx	.1	5.83
103	MP1B	X	-118.039	.17
104	MP1B	Z	0	.17
105	MP1B	Mx	-.059	.17
106	MP1B	X	-118.039	5.83
107	MP1B	Z	0	5.83
108	MP1B	Mx	-.059	5.83
109	MP1C	X	-118.039	.17
110	MP1C	Z	0	.17
111	MP1C	Mx	-.059	.17
112	MP1C	X	-118.039	5.83
113	MP1C	Z	0	5.83
114	MP1C	Mx	-.059	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-11.947	5.25
2	MP5A	Z	-6.897	5.25
3	MP5A	Mx	.003	5.25
4	MP5A	X	-11.947	5.25
5	MP5A	Z	-6.897	5.25
6	MP5A	Mx	-.003	5.25
7	MP5A	X	-50.304	.68
8	MP5A	Z	-29.043	.68
9	MP5A	Mx	.026	.68
10	MP5A	X	-50.304	6.16
11	MP5A	Z	-29.043	6.16
12	MP5A	Mx	.026	6.16
13	MP5B	X	-62.003	.68
14	MP5B	Z	-35.797	.68
15	MP5B	Mx	.06	.68
16	MP5B	X	-62.003	6.16
17	MP5B	Z	-35.797	6.16
18	MP5B	Mx	.06	6.16
19	MP5C	X	-52.849	.68
20	MP5C	Z	-30.512	.68
21	MP5C	Mx	-.079	.68
22	MP5C	X	-52.849	6.16
23	MP5C	Z	-30.512	6.16
24	MP5C	Mx	-.079	6.16
25	MP5A	X	-50.304	.68
26	MP5A	Z	-29.043	.68
27	MP5A	Mx	.075	.68
28	MP5A	X	-50.304	6.16
29	MP5A	Z	-29.043	6.16
30	MP5A	Mx	.075	6.16
31	MP5B	X	-62.003	.68
32	MP5B	Z	-35.797	.68
33	MP5B	Mx	-.06	.68
34	MP5B	X	-62.003	6.16
35	MP5B	Z	-35.797	6.16
36	MP5B	Mx	-.06	6.16
37	MP5C	X	-52.849	.68
38	MP5C	Z	-30.512	.68
39	MP5C	Mx	-.014	.68
40	MP5C	X	-52.849	6.16
41	MP5C	Z	-30.512	6.16
42	MP5C	Mx	-.014	6.16
43	MP3A	X	-26.119	.62
44	MP3A	Z	-15.08	.62
45	MP3A	Mx	.026	.62
46	MP3A	X	-26.119	2.55
47	MP3A	Z	-15.08	2.55
48	MP3A	Mx	.026	2.55
49	MP3B	X	-51.385	.62
50	MP3B	Z	-29.667	.62
51	MP3B	Mx	0	.62
52	MP3B	X	-51.385	2.55
53	MP3B	Z	-29.667	2.55
54	MP3B	Mx	0	2.55
55	MP3C	X	-31.616	.62
56	MP3C	Z	-18.253	.62
57	MP3C	Mx	-.028	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-31.616	2.55
59	MP3C	Z	-18.253	2.55
60	MP3C	Mx	-.028	2.55
61	MP4A	X	-15.214	3.25
62	MP4A	Z	-8.784	3.25
63	MP4A	Mx	-.01	3.25
64	MP4A	X	-15.214	3.25
65	MP4A	Z	-8.784	3.25
66	MP4A	Mx	-.01	3.25
67	MP4B	X	-20.199	3.25
68	MP4B	Z	-11.662	3.25
69	MP4B	Mx	0	3.25
70	MP4B	X	-20.199	3.25
71	MP4B	Z	-11.662	3.25
72	MP4B	Mx	0	3.25
73	MP4C	X	-16.299	3.25
74	MP4C	Z	-9.41	3.25
75	MP4C	Mx	.01	3.25
76	MP4C	X	-16.299	3.25
77	MP4C	Z	-9.41	3.25
78	MP4C	Mx	.01	3.25
79	MP3A	X	-14.237	3.25
80	MP3A	Z	-8.22	3.25
81	MP3A	Mx	-.009	3.25
82	MP3A	X	-14.237	3.25
83	MP3A	Z	-8.22	3.25
84	MP3A	Mx	-.009	3.25
85	MP3B	X	-20.199	3.25
86	MP3B	Z	-11.662	3.25
87	MP3B	Mx	0	3.25
88	MP3B	X	-20.199	3.25
89	MP3B	Z	-11.662	3.25
90	MP3B	Mx	0	3.25
91	MP3C	X	-15.534	3.25
92	MP3C	Z	-8.969	3.25
93	MP3C	Mx	.009	3.25
94	MP3C	X	-15.534	3.25
95	MP3C	Z	-8.969	3.25
96	MP3C	Mx	.009	3.25
97	MP1A	X	-91.696	.17
98	MP1A	Z	-52.94	.17
99	MP1A	Mx	.092	.17
100	MP1A	X	-91.696	5.83
101	MP1A	Z	-52.94	5.83
102	MP1A	Mx	.092	5.83
103	MP1B	X	-107.489	.17
104	MP1B	Z	-62.059	.17
105	MP1B	Mx	0	.17
106	MP1B	X	-107.489	5.83
107	MP1B	Z	-62.059	5.83
108	MP1B	Mx	0	5.83
109	MP1C	X	-91.696	.17
110	MP1C	Z	-52.94	.17
111	MP1C	Mx	-.092	.17
112	MP1C	X	-91.696	5.83
113	MP1C	Z	-52.94	5.83
114	MP1C	Mx	-.092	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-11.929	5.25
2	MP5A	Z	-20.662	5.25
3	MP5A	Mx	.003	5.25
4	MP5A	X	-11.929	5.25
5	MP5A	Z	-20.662	5.25
6	MP5A	Mx	-.003	5.25
7	MP5A	X	-33.546	.68
8	MP5A	Z	-58.103	.68
9	MP5A	Mx	-.015	.68
10	MP5A	X	-33.546	6.16
11	MP5A	Z	-58.103	6.16
12	MP5A	Mx	-.015	6.16
13	MP5B	X	-33.546	.68
14	MP5B	Z	-58.103	.68
15	MP5B	Mx	.082	.68
16	MP5B	X	-33.546	6.16
17	MP5B	Z	-58.103	6.16
18	MP5B	Mx	.082	6.16
19	MP5C	X	-27.063	.68
20	MP5C	Z	-46.874	.68
21	MP5C	Mx	-.061	.68
22	MP5C	X	-27.063	6.16
23	MP5C	Z	-46.874	6.16
24	MP5C	Mx	-.061	6.16
25	MP5A	X	-33.546	.68
26	MP5A	Z	-58.103	.68
27	MP5A	Mx	.082	.68
28	MP5A	X	-33.546	6.16
29	MP5A	Z	-58.103	6.16
30	MP5A	Mx	.082	6.16
31	MP5B	X	-33.546	.68
32	MP5B	Z	-58.103	.68
33	MP5B	Mx	-.015	.68
34	MP5B	X	-33.546	6.16
35	MP5B	Z	-58.103	6.16
36	MP5B	Mx	-.015	6.16
37	MP5C	X	-27.063	.68
38	MP5C	Z	-46.874	.68
39	MP5C	Mx	-.045	.68
40	MP5C	X	-27.063	6.16
41	MP5C	Z	-46.874	6.16
42	MP5C	Mx	-.045	6.16
43	MP3A	X	-24.805	.62
44	MP3A	Z	-42.963	.62
45	MP3A	Mx	.025	.62
46	MP3A	X	-24.805	2.55
47	MP3A	Z	-42.963	2.55
48	MP3A	Mx	.025	2.55
49	MP3B	X	-24.805	.62
50	MP3B	Z	-42.963	.62
51	MP3B	Mx	.025	.62
52	MP3B	X	-24.805	2.55
53	MP3B	Z	-42.963	2.55
54	MP3B	Mx	.025	2.55
55	MP3C	X	-10.804	.62
56	MP3C	Z	-18.712	.62
57	MP3C	Mx	-.021	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-10.804	2.55
59	MP3C	Z	-18.712	2.55
60	MP3C	Mx	-.021	2.55
61	MP4A	X	-10.702	3.25
62	MP4A	Z	-18.537	3.25
63	MP4A	Mx	-.007	3.25
64	MP4A	X	-10.702	3.25
65	MP4A	Z	-18.537	3.25
66	MP4A	Mx	-.007	3.25
67	MP4B	X	-10.702	3.25
68	MP4B	Z	-18.537	3.25
69	MP4B	Mx	-.007	3.25
70	MP4B	X	-10.702	3.25
71	MP4B	Z	-18.537	3.25
72	MP4B	Mx	-.007	3.25
73	MP4C	X	-7.94	3.25
74	MP4C	Z	-13.753	3.25
75	MP4C	Mx	.01	3.25
76	MP4C	X	-7.94	3.25
77	MP4C	Z	-13.753	3.25
78	MP4C	Mx	.01	3.25
79	MP3A	X	-10.514	3.25
80	MP3A	Z	-18.211	3.25
81	MP3A	Mx	-.007	3.25
82	MP3A	X	-10.514	3.25
83	MP3A	Z	-18.211	3.25
84	MP3A	Mx	-.007	3.25
85	MP3B	X	-10.514	3.25
86	MP3B	Z	-18.211	3.25
87	MP3B	Mx	-.007	3.25
88	MP3B	X	-10.514	3.25
89	MP3B	Z	-18.211	3.25
90	MP3B	Mx	-.007	3.25
91	MP3C	X	-7.211	3.25
92	MP3C	Z	-12.489	3.25
93	MP3C	Mx	.009	3.25
94	MP3C	X	-7.211	3.25
95	MP3C	Z	-12.489	3.25
96	MP3C	Mx	.009	3.25
97	MP1A	X	-59.019	.17
98	MP1A	Z	-102.225	.17
99	MP1A	Mx	.059	.17
100	MP1A	X	-59.019	5.83
101	MP1A	Z	-102.225	5.83
102	MP1A	Mx	.059	5.83
103	MP1B	X	-59.019	.17
104	MP1B	Z	-102.225	.17
105	MP1B	Mx	.059	.17
106	MP1B	X	-59.019	5.83
107	MP1B	Z	-102.225	5.83
108	MP1B	Mx	.059	5.83
109	MP1C	X	-49.901	.17
110	MP1C	Z	-86.431	.17
111	MP1C	Mx	-.1	.17
112	MP1C	X	-49.901	5.83
113	MP1C	Z	-86.431	5.83
114	MP1C	Mx	-.1	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	5.25
2	MP5A	Z	-6.372	5.25
3	MP5A	Mx	0	5.25
4	MP5A	X	0	5.25
5	MP5A	Z	-6.372	5.25
6	MP5A	Mx	0	5.25
7	MP5A	X	0	.68
8	MP5A	Z	-28.201	.68
9	MP5A	Mx	-.024	.68
10	MP5A	X	0	6.16
11	MP5A	Z	-28.201	6.16
12	MP5A	Mx	-.024	6.16
13	MP5B	X	0	.68
14	MP5B	Z	-23.041	.68
15	MP5B	Mx	.03	.68
16	MP5B	X	0	6.16
17	MP5B	Z	-23.041	6.16
18	MP5B	Mx	.03	6.16
19	MP5C	X	0	.68
20	MP5C	Z	-22.126	.68
21	MP5C	Mx	-.014	.68
22	MP5C	X	0	6.16
23	MP5C	Z	-22.126	6.16
24	MP5C	Mx	-.014	6.16
25	MP5A	X	0	.68
26	MP5A	Z	-28.201	.68
27	MP5A	Mx	.024	.68
28	MP5A	X	0	6.16
29	MP5A	Z	-28.201	6.16
30	MP5A	Mx	.024	6.16
31	MP5B	X	0	.68
32	MP5B	Z	-23.041	.68
33	MP5B	Mx	.01	.68
34	MP5B	X	0	6.16
35	MP5B	Z	-23.041	6.16
36	MP5B	Mx	.01	6.16
37	MP5C	X	0	.68
38	MP5C	Z	-22.126	.68
39	MP5C	Mx	-.027	.68
40	MP5C	X	0	6.16
41	MP5C	Z	-22.126	6.16
42	MP5C	Mx	-.027	6.16
43	MP3A	X	0	.62
44	MP3A	Z	-13.897	.62
45	MP3A	Mx	0	.62
46	MP3A	X	0	2.55
47	MP3A	Z	-13.897	2.55
48	MP3A	Mx	0	2.55
49	MP3B	X	0	.62
50	MP3B	Z	-7.901	.62
51	MP3B	Mx	.007	.62
52	MP3B	X	0	2.55
53	MP3B	Z	-7.901	2.55
54	MP3B	Mx	.007	2.55
55	MP3C	X	0	.62
56	MP3C	Z	-6.838	.62
57	MP3C	Mx	-.006	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	0	2.55
59	MP3C	Z	-6.838	2.55
60	MP3C	Mx	-.006	2.55
61	MP4A	X	0	3.25
62	MP4A	Z	-5.809	3.25
63	MP4A	Mx	0	3.25
64	MP4A	X	0	3.25
65	MP4A	Z	-5.809	3.25
66	MP4A	Mx	0	3.25
67	MP4B	X	0	3.25
68	MP4B	Z	-4.478	3.25
69	MP4B	Mx	-.003	3.25
70	MP4B	X	0	3.25
71	MP4B	Z	-4.478	3.25
72	MP4B	Mx	-.003	3.25
73	MP4C	X	0	3.25
74	MP4C	Z	-4.242	3.25
75	MP4C	Mx	.003	3.25
76	MP4C	X	0	3.25
77	MP4C	Z	-4.242	3.25
78	MP4C	Mx	.003	3.25
79	MP3A	X	0	3.25
80	MP3A	Z	-5.809	3.25
81	MP3A	Mx	0	3.25
82	MP3A	X	0	3.25
83	MP3A	Z	-5.809	3.25
84	MP3A	Mx	0	3.25
85	MP3B	X	0	3.25
86	MP3B	Z	-4.239	3.25
87	MP3B	Mx	-.002	3.25
88	MP3B	X	0	3.25
89	MP3B	Z	-4.239	3.25
90	MP3B	Mx	-.002	3.25
91	MP3C	X	0	3.25
92	MP3C	Z	-3.96	3.25
93	MP3C	Mx	.002	3.25
94	MP3C	X	0	3.25
95	MP3C	Z	-3.96	3.25
96	MP3C	Mx	.002	3.25
97	MP1A	X	0	.17
98	MP1A	Z	-24.116	.17
99	MP1A	Mx	0	.17
100	MP1A	X	0	5.83
101	MP1A	Z	-24.116	5.83
102	MP1A	Mx	0	5.83
103	MP1B	X	0	.17
104	MP1B	Z	-20.825	.17
105	MP1B	Mx	.018	.17
106	MP1B	X	0	5.83
107	MP1B	Z	-20.825	5.83
108	MP1B	Mx	.018	5.83
109	MP1C	X	0	.17
110	MP1C	Z	-20.825	.17
111	MP1C	Mx	-.018	.17
112	MP1C	X	0	5.83
113	MP1C	Z	-20.825	5.83
114	MP1C	Mx	-.018	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	2.687	5.25
2	MP5A	Z	-4.654	5.25
3	MP5A	Mx	-.000672	5.25
4	MP5A	X	2.687	5.25
5	MP5A	Z	-4.654	5.25
6	MP5A	Mx	.000672	5.25
7	MP5A	X	13.24	.68
8	MP5A	Z	-22.933	.68
9	MP5A	Mx	-.032	.68
10	MP5A	X	13.24	6.16
11	MP5A	Z	-22.933	6.16
12	MP5A	Mx	-.032	6.16
13	MP5B	X	10.66	.68
14	MP5B	Z	-18.464	.68
15	MP5B	Mx	.021	.68
16	MP5B	X	10.66	6.16
17	MP5B	Z	-18.464	6.16
18	MP5B	Mx	.021	6.16
19	MP5C	X	12.679	.68
20	MP5C	Z	-21.961	.68
21	MP5C	Mx	-.000112	.68
22	MP5C	X	12.679	6.16
23	MP5C	Z	-21.961	6.16
24	MP5C	Mx	-.000112	6.16
25	MP5A	X	13.24	.68
26	MP5A	Z	-22.933	.68
27	MP5A	Mx	.006	.68
28	MP5A	X	13.24	6.16
29	MP5A	Z	-22.933	6.16
30	MP5A	Mx	.006	6.16
31	MP5B	X	10.66	.68
32	MP5B	Z	-18.464	.68
33	MP5B	Mx	.021	.68
34	MP5B	X	10.66	6.16
35	MP5B	Z	-18.464	6.16
36	MP5B	Mx	.021	6.16
37	MP5C	X	12.679	.68
38	MP5C	Z	-21.961	.68
39	MP5C	Mx	-.032	.68
40	MP5C	X	12.679	6.16
41	MP5C	Z	-21.961	6.16
42	MP5C	Mx	-.032	6.16
43	MP3A	X	5.949	.62
44	MP3A	Z	-10.304	.62
45	MP3A	Mx	-.006	.62
46	MP3A	X	5.949	2.55
47	MP3A	Z	-10.304	2.55
48	MP3A	Mx	-.006	2.55
49	MP3B	X	2.951	.62
50	MP3B	Z	-5.112	.62
51	MP3B	Mx	.006	.62
52	MP3B	X	2.951	2.55
53	MP3B	Z	-5.112	2.55
54	MP3B	Mx	.006	2.55
55	MP3C	X	5.297	.62
56	MP3C	Z	-9.175	.62
57	MP3C	Mx	-.007	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	5.297	2.55
59	MP3C	Z	-9.175	2.55
60	MP3C	Mx	-.007	2.55
61	MP4A	X	2.683	3.25
62	MP4A	Z	-4.647	3.25
63	MP4A	Mx	.002	3.25
64	MP4A	X	2.683	3.25
65	MP4A	Z	-4.647	3.25
66	MP4A	Mx	.002	3.25
67	MP4B	X	2.017	3.25
68	MP4B	Z	-3.494	3.25
69	MP4B	Mx	-.003	3.25
70	MP4B	X	2.017	3.25
71	MP4B	Z	-3.494	3.25
72	MP4B	Mx	-.003	3.25
73	MP4C	X	2.538	3.25
74	MP4C	Z	-4.396	3.25
75	MP4C	Mx	.002	3.25
76	MP4C	X	2.538	3.25
77	MP4C	Z	-4.396	3.25
78	MP4C	Mx	.002	3.25
79	MP3A	X	2.643	3.25
80	MP3A	Z	-4.577	3.25
81	MP3A	Mx	.002	3.25
82	MP3A	X	2.643	3.25
83	MP3A	Z	-4.577	3.25
84	MP3A	Mx	.002	3.25
85	MP3B	X	1.858	3.25
86	MP3B	Z	-3.218	3.25
87	MP3B	Mx	-.002	3.25
88	MP3B	X	1.858	3.25
89	MP3B	Z	-3.218	3.25
90	MP3B	Mx	-.002	3.25
91	MP3C	X	2.472	3.25
92	MP3C	Z	-4.282	3.25
93	MP3C	Mx	.002	3.25
94	MP3C	X	2.472	3.25
95	MP3C	Z	-4.282	3.25
96	MP3C	Mx	.002	3.25
97	MP1A	X	11.51	.17
98	MP1A	Z	-19.935	.17
99	MP1A	Mx	-.012	.17
100	MP1A	X	11.51	5.83
101	MP1A	Z	-19.935	5.83
102	MP1A	Mx	-.012	5.83
103	MP1B	X	9.864	.17
104	MP1B	Z	-17.084	.17
105	MP1B	Mx	.02	.17
106	MP1B	X	9.864	5.83
107	MP1B	Z	-17.084	5.83
108	MP1B	Mx	.02	5.83
109	MP1C	X	11.51	.17
110	MP1C	Z	-19.935	.17
111	MP1C	Mx	-.012	.17
112	MP1C	X	11.51	5.83
113	MP1C	Z	-19.935	5.83
114	MP1C	Mx	-.012	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	2.927	5.25
2	MP5A	Z	-1.69	5.25
3	MP5A	Mx	-.000732	5.25
4	MP5A	X	2.927	5.25
5	MP5A	Z	-1.69	5.25
6	MP5A	Mx	.000732	5.25
7	MP5A	X	19.954	.68
8	MP5A	Z	-11.52	.68
9	MP5A	Mx	-.03	.68
10	MP5A	X	19.954	6.16
11	MP5A	Z	-11.52	6.16
12	MP5A	Mx	-.03	6.16
13	MP5B	X	19.954	.68
14	MP5B	Z	-11.52	.68
15	MP5B	Mx	.01	.68
16	MP5B	X	19.954	6.16
17	MP5B	Z	-11.52	6.16
18	MP5B	Mx	.01	6.16
19	MP5C	X	24.243	.68
20	MP5C	Z	-13.997	.68
21	MP5C	Mx	.018	.68
22	MP5C	X	24.243	6.16
23	MP5C	Z	-13.997	6.16
24	MP5C	Mx	.018	6.16
25	MP5A	X	19.954	.68
26	MP5A	Z	-11.52	.68
27	MP5A	Mx	-.01	.68
28	MP5A	X	19.954	6.16
29	MP5A	Z	-11.52	6.16
30	MP5A	Mx	-.01	6.16
31	MP5B	X	19.954	.68
32	MP5B	Z	-11.52	.68
33	MP5B	Mx	.03	.68
34	MP5B	X	19.954	6.16
35	MP5B	Z	-11.52	6.16
36	MP5B	Mx	.03	6.16
37	MP5C	X	24.243	.68
38	MP5C	Z	-13.997	.68
39	MP5C	Mx	-.028	.68
40	MP5C	X	24.243	6.16
41	MP5C	Z	-13.997	6.16
42	MP5C	Mx	-.028	6.16
43	MP3A	X	6.843	.62
44	MP3A	Z	-3.951	.62
45	MP3A	Mx	-.007	.62
46	MP3A	X	6.843	2.55
47	MP3A	Z	-3.951	2.55
48	MP3A	Mx	-.007	2.55
49	MP3B	X	6.843	.62
50	MP3B	Z	-3.951	.62
51	MP3B	Mx	.007	.62
52	MP3B	X	6.843	2.55
53	MP3B	Z	-3.951	2.55
54	MP3B	Mx	.007	2.55
55	MP3C	X	11.827	.62
56	MP3C	Z	-6.828	.62
57	MP3C	Mx	-.002	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	11.827	2.55
59	MP3C	Z	-6.828	2.55
60	MP3C	Mx	-.002	2.55
61	MP4A	X	3.878	3.25
62	MP4A	Z	-2.239	3.25
63	MP4A	Mx	.003	3.25
64	MP4A	X	3.878	3.25
65	MP4A	Z	-2.239	3.25
66	MP4A	Mx	.003	3.25
67	MP4B	X	3.878	3.25
68	MP4B	Z	-2.239	3.25
69	MP4B	Mx	-.003	3.25
70	MP4B	X	3.878	3.25
71	MP4B	Z	-2.239	3.25
72	MP4B	Mx	-.003	3.25
73	MP4C	X	4.984	3.25
74	MP4C	Z	-2.878	3.25
75	MP4C	Mx	.000667	3.25
76	MP4C	X	4.984	3.25
77	MP4C	Z	-2.878	3.25
78	MP4C	Mx	.000667	3.25
79	MP3A	X	3.671	3.25
80	MP3A	Z	-2.119	3.25
81	MP3A	Mx	.002	3.25
82	MP3A	X	3.671	3.25
83	MP3A	Z	-2.119	3.25
84	MP3A	Mx	.002	3.25
85	MP3B	X	3.671	3.25
86	MP3B	Z	-2.119	3.25
87	MP3B	Mx	-.002	3.25
88	MP3B	X	3.671	3.25
89	MP3B	Z	-2.119	3.25
90	MP3B	Mx	-.002	3.25
91	MP3C	X	4.976	3.25
92	MP3C	Z	-2.873	3.25
93	MP3C	Mx	.000665	3.25
94	MP3C	X	4.976	3.25
95	MP3C	Z	-2.873	3.25
96	MP3C	Mx	.000665	3.25
97	MP1A	X	18.035	.17
98	MP1A	Z	-10.412	.17
99	MP1A	Mx	-.018	.17
100	MP1A	X	18.035	5.83
101	MP1A	Z	-10.412	5.83
102	MP1A	Mx	-.018	5.83
103	MP1B	X	18.035	.17
104	MP1B	Z	-10.412	.17
105	MP1B	Mx	.018	.17
106	MP1B	X	18.035	5.83
107	MP1B	Z	-10.412	5.83
108	MP1B	Mx	.018	5.83
109	MP1C	X	20.885	.17
110	MP1C	Z	-12.058	.17
111	MP1C	Mx	0	.17
112	MP1C	X	20.885	5.83
113	MP1C	Z	-12.058	5.83
114	MP1C	Mx	0	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	2.383	5.25
2	MP5A	Z	0	5.25
3	MP5A	Mx	-.000596	5.25
4	MP5A	X	2.383	5.25
5	MP5A	Z	0	5.25
6	MP5A	Mx	.000596	5.25
7	MP5A	X	21.321	.68
8	MP5A	Z	0	.68
9	MP5A	Mx	-.021	.68
10	MP5A	X	21.321	6.16
11	MP5A	Z	0	6.16
12	MP5A	Mx	-.021	6.16
13	MP5B	X	26.481	.68
14	MP5B	Z	0	.68
15	MP5B	Mx	-.006	.68
16	MP5B	X	26.481	6.16
17	MP5B	Z	0	6.16
18	MP5B	Mx	-.006	6.16
19	MP5C	X	27.396	.68
20	MP5C	Z	0	.68
21	MP5C	Mx	.031	.68
22	MP5C	X	27.396	6.16
23	MP5C	Z	0	6.16
24	MP5C	Mx	.031	6.16
25	MP5A	X	21.321	.68
26	MP5A	Z	0	.68
27	MP5A	Mx	-.021	.68
28	MP5A	X	21.321	6.16
29	MP5A	Z	0	6.16
30	MP5A	Mx	-.021	6.16
31	MP5B	X	26.481	.68
32	MP5B	Z	0	.68
33	MP5B	Mx	.032	.68
34	MP5B	X	26.481	6.16
35	MP5B	Z	0	6.16
36	MP5B	Mx	.032	6.16
37	MP5C	X	27.396	.68
38	MP5C	Z	0	.68
39	MP5C	Mx	-.012	.68
40	MP5C	X	27.396	6.16
41	MP5C	Z	0	6.16
42	MP5C	Mx	-.012	6.16
43	MP3A	X	5.903	.62
44	MP3A	Z	0	.62
45	MP3A	Mx	-.006	.62
46	MP3A	X	5.903	2.55
47	MP3A	Z	0	2.55
48	MP3A	Mx	-.006	2.55
49	MP3B	X	11.898	.62
50	MP3B	Z	0	.62
51	MP3B	Mx	.006	.62
52	MP3B	X	11.898	2.55
53	MP3B	Z	0	2.55
54	MP3B	Mx	.006	2.55
55	MP3C	X	12.962	.62
56	MP3C	Z	0	.62
57	MP3C	Mx	.004	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	12.962	2.55
59	MP3C	Z	0	2.55
60	MP3C	Mx	.004	2.55
61	MP4A	X	4.035	3.25
62	MP4A	Z	0	3.25
63	MP4A	Mx	.003	3.25
64	MP4A	X	4.035	3.25
65	MP4A	Z	0	3.25
66	MP4A	Mx	.003	3.25
67	MP4B	X	5.365	3.25
68	MP4B	Z	0	3.25
69	MP4B	Mx	-.002	3.25
70	MP4B	X	5.365	3.25
71	MP4B	Z	0	3.25
72	MP4B	Mx	-.002	3.25
73	MP4C	X	5.601	3.25
74	MP4C	Z	0	3.25
75	MP4C	Mx	-.001	3.25
76	MP4C	X	5.601	3.25
77	MP4C	Z	0	3.25
78	MP4C	Mx	-.001	3.25
79	MP3A	X	3.716	3.25
80	MP3A	Z	0	3.25
81	MP3A	Mx	.002	3.25
82	MP3A	X	3.716	3.25
83	MP3A	Z	0	3.25
84	MP3A	Mx	.002	3.25
85	MP3B	X	5.286	3.25
86	MP3B	Z	0	3.25
87	MP3B	Mx	-.002	3.25
88	MP3B	X	5.286	3.25
89	MP3B	Z	0	3.25
90	MP3B	Mx	-.002	3.25
91	MP3C	X	5.564	3.25
92	MP3C	Z	0	3.25
93	MP3C	Mx	-.001	3.25
94	MP3C	X	5.564	3.25
95	MP3C	Z	0	3.25
96	MP3C	Mx	-.001	3.25
97	MP1A	X	19.727	.17
98	MP1A	Z	0	.17
99	MP1A	Mx	-.02	.17
100	MP1A	X	19.727	5.83
101	MP1A	Z	0	5.83
102	MP1A	Mx	-.02	5.83
103	MP1B	X	23.019	.17
104	MP1B	Z	0	.17
105	MP1B	Mx	.012	.17
106	MP1B	X	23.019	5.83
107	MP1B	Z	0	5.83
108	MP1B	Mx	.012	5.83
109	MP1C	X	23.019	.17
110	MP1C	Z	0	.17
111	MP1C	Mx	.012	.17
112	MP1C	X	23.019	5.83
113	MP1C	Z	0	5.83
114	MP1C	Mx	.012	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	2.927	5.25
2	MP5A	Z	1.69	5.25
3	MP5A	Mx	-.000732	5.25
4	MP5A	X	2.927	5.25
5	MP5A	Z	1.69	5.25
6	MP5A	Mx	.000732	5.25
7	MP5A	X	19.954	.68
8	MP5A	Z	11.52	.68
9	MP5A	Mx	-.01	.68
10	MP5A	X	19.954	6.16
11	MP5A	Z	11.52	6.16
12	MP5A	Mx	-.01	6.16
13	MP5B	X	24.423	.68
14	MP5B	Z	14.1	.68
15	MP5B	Mx	-.024	.68
16	MP5B	X	24.423	6.16
17	MP5B	Z	14.1	6.16
18	MP5B	Mx	-.024	6.16
19	MP5C	X	20.926	.68
20	MP5C	Z	12.082	.68
21	MP5C	Mx	.031	.68
22	MP5C	X	20.926	6.16
23	MP5C	Z	12.082	6.16
24	MP5C	Mx	.031	6.16
25	MP5A	X	19.954	.68
26	MP5A	Z	11.52	.68
27	MP5A	Mx	-.03	.68
28	MP5A	X	19.954	6.16
29	MP5A	Z	11.52	6.16
30	MP5A	Mx	-.03	6.16
31	MP5B	X	24.423	.68
32	MP5B	Z	14.1	.68
33	MP5B	Mx	.024	.68
34	MP5B	X	24.423	6.16
35	MP5B	Z	14.1	6.16
36	MP5B	Mx	.024	6.16
37	MP5C	X	20.926	.68
38	MP5C	Z	12.082	.68
39	MP5C	Mx	.006	.68
40	MP5C	X	20.926	6.16
41	MP5C	Z	12.082	6.16
42	MP5C	Mx	.006	6.16
43	MP3A	X	6.843	.62
44	MP3A	Z	3.951	.62
45	MP3A	Mx	-.007	.62
46	MP3A	X	6.843	2.55
47	MP3A	Z	3.951	2.55
48	MP3A	Mx	-.007	2.55
49	MP3B	X	12.035	.62
50	MP3B	Z	6.949	.62
51	MP3B	Mx	-1e-6	.62
52	MP3B	X	12.035	2.55
53	MP3B	Z	6.949	2.55
54	MP3B	Mx	-1e-6	2.55
55	MP3C	X	7.972	.62
56	MP3C	Z	4.603	.62
57	MP3C	Mx	.007	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	7.972	2.55
59	MP3C	Z	4.603	2.55
60	MP3C	Mx	.007	2.55
61	MP4A	X	3.878	3.25
62	MP4A	Z	2.239	3.25
63	MP4A	Mx	.003	3.25
64	MP4A	X	3.878	3.25
65	MP4A	Z	2.239	3.25
66	MP4A	Mx	.003	3.25
67	MP4B	X	5.031	3.25
68	MP4B	Z	2.904	3.25
69	MP4B	Mx	0	3.25
70	MP4B	X	5.031	3.25
71	MP4B	Z	2.904	3.25
72	MP4B	Mx	0	3.25
73	MP4C	X	4.129	3.25
74	MP4C	Z	2.384	3.25
75	MP4C	Mx	-.002	3.25
76	MP4C	X	4.129	3.25
77	MP4C	Z	2.384	3.25
78	MP4C	Mx	-.002	3.25
79	MP3A	X	3.671	3.25
80	MP3A	Z	2.119	3.25
81	MP3A	Mx	.002	3.25
82	MP3A	X	3.671	3.25
83	MP3A	Z	2.119	3.25
84	MP3A	Mx	.002	3.25
85	MP3B	X	5.031	3.25
86	MP3B	Z	2.904	3.25
87	MP3B	Mx	0	3.25
88	MP3B	X	5.031	3.25
89	MP3B	Z	2.904	3.25
90	MP3B	Mx	0	3.25
91	MP3C	X	3.967	3.25
92	MP3C	Z	2.29	3.25
93	MP3C	Mx	-.002	3.25
94	MP3C	X	3.967	3.25
95	MP3C	Z	2.29	3.25
96	MP3C	Mx	-.002	3.25
97	MP1A	X	18.035	.17
98	MP1A	Z	10.412	.17
99	MP1A	Mx	-.018	.17
100	MP1A	X	18.035	5.83
101	MP1A	Z	10.412	5.83
102	MP1A	Mx	-.018	5.83
103	MP1B	X	20.885	.17
104	MP1B	Z	12.058	.17
105	MP1B	Mx	0	.17
106	MP1B	X	20.885	5.83
107	MP1B	Z	12.058	5.83
108	MP1B	Mx	0	5.83
109	MP1C	X	18.035	.17
110	MP1C	Z	10.412	.17
111	MP1C	Mx	.018	.17
112	MP1C	X	18.035	5.83
113	MP1C	Z	10.412	5.83
114	MP1C	Mx	.018	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	2.687	5.25
2	MP5A	Z	4.654	5.25
3	MP5A	Mx	-.000672	5.25
4	MP5A	X	2.687	5.25
5	MP5A	Z	4.654	5.25
6	MP5A	Mx	.000672	5.25
7	MP5A	X	13.24	.68
8	MP5A	Z	22.933	.68
9	MP5A	Mx	.006	.68
10	MP5A	X	13.24	6.16
11	MP5A	Z	22.933	6.16
12	MP5A	Mx	.006	6.16
13	MP5B	X	13.24	.68
14	MP5B	Z	22.933	.68
15	MP5B	Mx	-.032	.68
16	MP5B	X	13.24	6.16
17	MP5B	Z	22.933	6.16
18	MP5B	Mx	-.032	6.16
19	MP5C	X	10.764	.68
20	MP5C	Z	18.644	.68
21	MP5C	Mx	.024	.68
22	MP5C	X	10.764	6.16
23	MP5C	Z	18.644	6.16
24	MP5C	Mx	.024	6.16
25	MP5A	X	13.24	.68
26	MP5A	Z	22.933	.68
27	MP5A	Mx	-.032	.68
28	MP5A	X	13.24	6.16
29	MP5A	Z	22.933	6.16
30	MP5A	Mx	-.032	6.16
31	MP5B	X	13.24	.68
32	MP5B	Z	22.933	.68
33	MP5B	Mx	.006	.68
34	MP5B	X	13.24	6.16
35	MP5B	Z	22.933	6.16
36	MP5B	Mx	.006	6.16
37	MP5C	X	10.764	.68
38	MP5C	Z	18.644	.68
39	MP5C	Mx	.018	.68
40	MP5C	X	10.764	6.16
41	MP5C	Z	18.644	6.16
42	MP5C	Mx	.018	6.16
43	MP3A	X	5.949	.62
44	MP3A	Z	10.304	.62
45	MP3A	Mx	-.006	.62
46	MP3A	X	5.949	2.55
47	MP3A	Z	10.304	2.55
48	MP3A	Mx	-.006	2.55
49	MP3B	X	5.949	.62
50	MP3B	Z	10.304	.62
51	MP3B	Mx	-.006	.62
52	MP3B	X	5.949	2.55
53	MP3B	Z	10.304	2.55
54	MP3B	Mx	-.006	2.55
55	MP3C	X	3.072	.62
56	MP3C	Z	5.321	.62
57	MP3C	Mx	.006	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	3.072	2.55
59	MP3C	Z	5.321	2.55
60	MP3C	Mx	.006	2.55
61	MP4A	X	2.683	3.25
62	MP4A	Z	4.647	3.25
63	MP4A	Mx	.002	3.25
64	MP4A	X	2.683	3.25
65	MP4A	Z	4.647	3.25
66	MP4A	Mx	.002	3.25
67	MP4B	X	2.683	3.25
68	MP4B	Z	4.647	3.25
69	MP4B	Mx	.002	3.25
70	MP4B	X	2.683	3.25
71	MP4B	Z	4.647	3.25
72	MP4B	Mx	.002	3.25
73	MP4C	X	2.044	3.25
74	MP4C	Z	3.541	3.25
75	MP4C	Mx	-.003	3.25
76	MP4C	X	2.044	3.25
77	MP4C	Z	3.541	3.25
78	MP4C	Mx	-.003	3.25
79	MP3A	X	2.643	3.25
80	MP3A	Z	4.577	3.25
81	MP3A	Mx	.002	3.25
82	MP3A	X	2.643	3.25
83	MP3A	Z	4.577	3.25
84	MP3A	Mx	.002	3.25
85	MP3B	X	2.643	3.25
86	MP3B	Z	4.577	3.25
87	MP3B	Mx	.002	3.25
88	MP3B	X	2.643	3.25
89	MP3B	Z	4.577	3.25
90	MP3B	Mx	.002	3.25
91	MP3C	X	1.889	3.25
92	MP3C	Z	3.272	3.25
93	MP3C	Mx	-.002	3.25
94	MP3C	X	1.889	3.25
95	MP3C	Z	3.272	3.25
96	MP3C	Mx	-.002	3.25
97	MP1A	X	11.51	.17
98	MP1A	Z	19.935	.17
99	MP1A	Mx	-.012	.17
100	MP1A	X	11.51	5.83
101	MP1A	Z	19.935	5.83
102	MP1A	Mx	-.012	5.83
103	MP1B	X	11.51	.17
104	MP1B	Z	19.935	.17
105	MP1B	Mx	-.012	.17
106	MP1B	X	11.51	5.83
107	MP1B	Z	19.935	5.83
108	MP1B	Mx	-.012	5.83
109	MP1C	X	9.864	.17
110	MP1C	Z	17.084	.17
111	MP1C	Mx	.02	.17
112	MP1C	X	9.864	5.83
113	MP1C	Z	17.084	5.83
114	MP1C	Mx	.02	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	5.25
2	MP5A	Z	6.372	5.25
3	MP5A	Mx	0	5.25
4	MP5A	X	0	5.25
5	MP5A	Z	6.372	5.25
6	MP5A	Mx	0	5.25
7	MP5A	X	0	.68
8	MP5A	Z	28.201	.68
9	MP5A	Mx	.024	.68
10	MP5A	X	0	6.16
11	MP5A	Z	28.201	6.16
12	MP5A	Mx	.024	6.16
13	MP5B	X	0	.68
14	MP5B	Z	23.041	.68
15	MP5B	Mx	-.03	.68
16	MP5B	X	0	6.16
17	MP5B	Z	23.041	6.16
18	MP5B	Mx	-.03	6.16
19	MP5C	X	0	.68
20	MP5C	Z	22.126	.68
21	MP5C	Mx	.014	.68
22	MP5C	X	0	6.16
23	MP5C	Z	22.126	6.16
24	MP5C	Mx	.014	6.16
25	MP5A	X	0	.68
26	MP5A	Z	28.201	.68
27	MP5A	Mx	-.024	.68
28	MP5A	X	0	6.16
29	MP5A	Z	28.201	6.16
30	MP5A	Mx	-.024	6.16
31	MP5B	X	0	.68
32	MP5B	Z	23.041	.68
33	MP5B	Mx	-.01	.68
34	MP5B	X	0	6.16
35	MP5B	Z	23.041	6.16
36	MP5B	Mx	-.01	6.16
37	MP5C	X	0	.68
38	MP5C	Z	22.126	.68
39	MP5C	Mx	.027	.68
40	MP5C	X	0	6.16
41	MP5C	Z	22.126	6.16
42	MP5C	Mx	.027	6.16
43	MP3A	X	0	.62
44	MP3A	Z	13.897	.62
45	MP3A	Mx	0	.62
46	MP3A	X	0	2.55
47	MP3A	Z	13.897	2.55
48	MP3A	Mx	0	2.55
49	MP3B	X	0	.62
50	MP3B	Z	7.901	.62
51	MP3B	Mx	-.007	.62
52	MP3B	X	0	2.55
53	MP3B	Z	7.901	2.55
54	MP3B	Mx	-.007	2.55
55	MP3C	X	0	.62
56	MP3C	Z	6.838	.62
57	MP3C	Mx	.006	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	0	2.55
59	MP3C	Z	6.838	2.55
60	MP3C	Mx	.006	2.55
61	MP4A	X	0	3.25
62	MP4A	Z	5.809	3.25
63	MP4A	Mx	0	3.25
64	MP4A	X	0	3.25
65	MP4A	Z	5.809	3.25
66	MP4A	Mx	0	3.25
67	MP4B	X	0	3.25
68	MP4B	Z	4.478	3.25
69	MP4B	Mx	.003	3.25
70	MP4B	X	0	3.25
71	MP4B	Z	4.478	3.25
72	MP4B	Mx	.003	3.25
73	MP4C	X	0	3.25
74	MP4C	Z	4.242	3.25
75	MP4C	Mx	-.003	3.25
76	MP4C	X	0	3.25
77	MP4C	Z	4.242	3.25
78	MP4C	Mx	-.003	3.25
79	MP3A	X	0	3.25
80	MP3A	Z	5.809	3.25
81	MP3A	Mx	0	3.25
82	MP3A	X	0	3.25
83	MP3A	Z	5.809	3.25
84	MP3A	Mx	0	3.25
85	MP3B	X	0	3.25
86	MP3B	Z	4.239	3.25
87	MP3B	Mx	.002	3.25
88	MP3B	X	0	3.25
89	MP3B	Z	4.239	3.25
90	MP3B	Mx	.002	3.25
91	MP3C	X	0	3.25
92	MP3C	Z	3.96	3.25
93	MP3C	Mx	-.002	3.25
94	MP3C	X	0	3.25
95	MP3C	Z	3.96	3.25
96	MP3C	Mx	-.002	3.25
97	MP1A	X	0	.17
98	MP1A	Z	24.116	.17
99	MP1A	Mx	0	.17
100	MP1A	X	0	5.83
101	MP1A	Z	24.116	5.83
102	MP1A	Mx	0	5.83
103	MP1B	X	0	.17
104	MP1B	Z	20.825	.17
105	MP1B	Mx	-.018	.17
106	MP1B	X	0	5.83
107	MP1B	Z	20.825	5.83
108	MP1B	Mx	-.018	5.83
109	MP1C	X	0	.17
110	MP1C	Z	20.825	.17
111	MP1C	Mx	.018	.17
112	MP1C	X	0	5.83
113	MP1C	Z	20.825	5.83
114	MP1C	Mx	.018	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-2.687	5.25
2	MP5A	Z	4.654	5.25
3	MP5A	Mx	.000672	5.25
4	MP5A	X	-2.687	5.25
5	MP5A	Z	4.654	5.25
6	MP5A	Mx	-.000672	5.25
7	MP5A	X	-13.24	.68
8	MP5A	Z	22.933	.68
9	MP5A	Mx	.032	.68
10	MP5A	X	-13.24	6.16
11	MP5A	Z	22.933	6.16
12	MP5A	Mx	.032	6.16
13	MP5B	X	-10.66	.68
14	MP5B	Z	18.464	.68
15	MP5B	Mx	-.021	.68
16	MP5B	X	-10.66	6.16
17	MP5B	Z	18.464	6.16
18	MP5B	Mx	-.021	6.16
19	MP5C	X	-12.679	.68
20	MP5C	Z	21.961	.68
21	MP5C	Mx	.000112	.68
22	MP5C	X	-12.679	6.16
23	MP5C	Z	21.961	6.16
24	MP5C	Mx	.000112	6.16
25	MP5A	X	-13.24	.68
26	MP5A	Z	22.933	.68
27	MP5A	Mx	-.006	.68
28	MP5A	X	-13.24	6.16
29	MP5A	Z	22.933	6.16
30	MP5A	Mx	-.006	6.16
31	MP5B	X	-10.66	.68
32	MP5B	Z	18.464	.68
33	MP5B	Mx	-.021	.68
34	MP5B	X	-10.66	6.16
35	MP5B	Z	18.464	6.16
36	MP5B	Mx	-.021	6.16
37	MP5C	X	-12.679	.68
38	MP5C	Z	21.961	.68
39	MP5C	Mx	.032	.68
40	MP5C	X	-12.679	6.16
41	MP5C	Z	21.961	6.16
42	MP5C	Mx	.032	6.16
43	MP3A	X	-5.949	.62
44	MP3A	Z	10.304	.62
45	MP3A	Mx	.006	.62
46	MP3A	X	-5.949	2.55
47	MP3A	Z	10.304	2.55
48	MP3A	Mx	.006	2.55
49	MP3B	X	-2.951	.62
50	MP3B	Z	5.112	.62
51	MP3B	Mx	-.006	.62
52	MP3B	X	-2.951	2.55
53	MP3B	Z	5.112	2.55
54	MP3B	Mx	-.006	2.55
55	MP3C	X	-5.297	.62
56	MP3C	Z	9.175	.62
57	MP3C	Mx	.007	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-5.297	2.55
59	MP3C	Z	9.175	2.55
60	MP3C	Mx	.007	2.55
61	MP4A	X	-2.683	3.25
62	MP4A	Z	4.647	3.25
63	MP4A	Mx	-.002	3.25
64	MP4A	X	-2.683	3.25
65	MP4A	Z	4.647	3.25
66	MP4A	Mx	-.002	3.25
67	MP4B	X	-2.017	3.25
68	MP4B	Z	3.494	3.25
69	MP4B	Mx	.003	3.25
70	MP4B	X	-2.017	3.25
71	MP4B	Z	3.494	3.25
72	MP4B	Mx	.003	3.25
73	MP4C	X	-2.538	3.25
74	MP4C	Z	4.396	3.25
75	MP4C	Mx	-.002	3.25
76	MP4C	X	-2.538	3.25
77	MP4C	Z	4.396	3.25
78	MP4C	Mx	-.002	3.25
79	MP3A	X	-2.643	3.25
80	MP3A	Z	4.577	3.25
81	MP3A	Mx	-.002	3.25
82	MP3A	X	-2.643	3.25
83	MP3A	Z	4.577	3.25
84	MP3A	Mx	-.002	3.25
85	MP3B	X	-1.858	3.25
86	MP3B	Z	3.218	3.25
87	MP3B	Mx	.002	3.25
88	MP3B	X	-1.858	3.25
89	MP3B	Z	3.218	3.25
90	MP3B	Mx	.002	3.25
91	MP3C	X	-2.472	3.25
92	MP3C	Z	4.282	3.25
93	MP3C	Mx	-.002	3.25
94	MP3C	X	-2.472	3.25
95	MP3C	Z	4.282	3.25
96	MP3C	Mx	-.002	3.25
97	MP1A	X	-11.51	.17
98	MP1A	Z	19.935	.17
99	MP1A	Mx	.012	.17
100	MP1A	X	-11.51	5.83
101	MP1A	Z	19.935	5.83
102	MP1A	Mx	.012	5.83
103	MP1B	X	-9.864	.17
104	MP1B	Z	17.084	.17
105	MP1B	Mx	-.02	.17
106	MP1B	X	-9.864	5.83
107	MP1B	Z	17.084	5.83
108	MP1B	Mx	-.02	5.83
109	MP1C	X	-11.51	.17
110	MP1C	Z	19.935	.17
111	MP1C	Mx	.012	.17
112	MP1C	X	-11.51	5.83
113	MP1C	Z	19.935	5.83
114	MP1C	Mx	.012	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-2.927	5.25
2	MP5A	Z	1.69	5.25
3	MP5A	Mx	.000732	5.25
4	MP5A	X	-2.927	5.25
5	MP5A	Z	1.69	5.25
6	MP5A	Mx	-.000732	5.25
7	MP5A	X	-19.954	.68
8	MP5A	Z	11.52	.68
9	MP5A	Mx	.03	.68
10	MP5A	X	-19.954	6.16
11	MP5A	Z	11.52	6.16
12	MP5A	Mx	.03	6.16
13	MP5B	X	-19.954	.68
14	MP5B	Z	11.52	.68
15	MP5B	Mx	-.01	.68
16	MP5B	X	-19.954	6.16
17	MP5B	Z	11.52	6.16
18	MP5B	Mx	-.01	6.16
19	MP5C	X	-24.243	.68
20	MP5C	Z	13.997	.68
21	MP5C	Mx	-.018	.68
22	MP5C	X	-24.243	6.16
23	MP5C	Z	13.997	6.16
24	MP5C	Mx	-.018	6.16
25	MP5A	X	-19.954	.68
26	MP5A	Z	11.52	.68
27	MP5A	Mx	.01	.68
28	MP5A	X	-19.954	6.16
29	MP5A	Z	11.52	6.16
30	MP5A	Mx	.01	6.16
31	MP5B	X	-19.954	.68
32	MP5B	Z	11.52	.68
33	MP5B	Mx	-.03	.68
34	MP5B	X	-19.954	6.16
35	MP5B	Z	11.52	6.16
36	MP5B	Mx	-.03	6.16
37	MP5C	X	-24.243	.68
38	MP5C	Z	13.997	.68
39	MP5C	Mx	.028	.68
40	MP5C	X	-24.243	6.16
41	MP5C	Z	13.997	6.16
42	MP5C	Mx	.028	6.16
43	MP3A	X	-6.843	.62
44	MP3A	Z	3.951	.62
45	MP3A	Mx	.007	.62
46	MP3A	X	-6.843	2.55
47	MP3A	Z	3.951	2.55
48	MP3A	Mx	.007	2.55
49	MP3B	X	-6.843	.62
50	MP3B	Z	3.951	.62
51	MP3B	Mx	-.007	.62
52	MP3B	X	-6.843	2.55
53	MP3B	Z	3.951	2.55
54	MP3B	Mx	-.007	2.55
55	MP3C	X	-11.827	.62
56	MP3C	Z	6.828	.62
57	MP3C	Mx	.002	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-11.827	2.55
59	MP3C	Z	6.828	2.55
60	MP3C	Mx	.002	2.55
61	MP4A	X	-3.878	3.25
62	MP4A	Z	2.239	3.25
63	MP4A	Mx	-.003	3.25
64	MP4A	X	-3.878	3.25
65	MP4A	Z	2.239	3.25
66	MP4A	Mx	-.003	3.25
67	MP4B	X	-3.878	3.25
68	MP4B	Z	2.239	3.25
69	MP4B	Mx	.003	3.25
70	MP4B	X	-3.878	3.25
71	MP4B	Z	2.239	3.25
72	MP4B	Mx	.003	3.25
73	MP4C	X	-4.984	3.25
74	MP4C	Z	2.878	3.25
75	MP4C	Mx	-.000667	3.25
76	MP4C	X	-4.984	3.25
77	MP4C	Z	2.878	3.25
78	MP4C	Mx	-.000667	3.25
79	MP3A	X	-3.671	3.25
80	MP3A	Z	2.119	3.25
81	MP3A	Mx	-.002	3.25
82	MP3A	X	-3.671	3.25
83	MP3A	Z	2.119	3.25
84	MP3A	Mx	-.002	3.25
85	MP3B	X	-3.671	3.25
86	MP3B	Z	2.119	3.25
87	MP3B	Mx	.002	3.25
88	MP3B	X	-3.671	3.25
89	MP3B	Z	2.119	3.25
90	MP3B	Mx	.002	3.25
91	MP3C	X	-4.976	3.25
92	MP3C	Z	2.873	3.25
93	MP3C	Mx	-.000665	3.25
94	MP3C	X	-4.976	3.25
95	MP3C	Z	2.873	3.25
96	MP3C	Mx	-.000665	3.25
97	MP1A	X	-18.035	.17
98	MP1A	Z	10.412	.17
99	MP1A	Mx	.018	.17
100	MP1A	X	-18.035	5.83
101	MP1A	Z	10.412	5.83
102	MP1A	Mx	.018	5.83
103	MP1B	X	-18.035	.17
104	MP1B	Z	10.412	.17
105	MP1B	Mx	-.018	.17
106	MP1B	X	-18.035	5.83
107	MP1B	Z	10.412	5.83
108	MP1B	Mx	-.018	5.83
109	MP1C	X	-20.885	.17
110	MP1C	Z	12.058	.17
111	MP1C	Mx	0	.17
112	MP1C	X	-20.885	5.83
113	MP1C	Z	12.058	5.83
114	MP1C	Mx	0	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-2.383	5.25
2	MP5A	Z	0	5.25
3	MP5A	Mx	.000596	5.25
4	MP5A	X	-2.383	5.25
5	MP5A	Z	0	5.25
6	MP5A	Mx	-.000596	5.25
7	MP5A	X	-21.321	.68
8	MP5A	Z	0	.68
9	MP5A	Mx	.021	.68
10	MP5A	X	-21.321	6.16
11	MP5A	Z	0	6.16
12	MP5A	Mx	.021	6.16
13	MP5B	X	-26.481	.68
14	MP5B	Z	0	.68
15	MP5B	Mx	.006	.68
16	MP5B	X	-26.481	6.16
17	MP5B	Z	0	6.16
18	MP5B	Mx	.006	6.16
19	MP5C	X	-27.396	.68
20	MP5C	Z	0	.68
21	MP5C	Mx	-.031	.68
22	MP5C	X	-27.396	6.16
23	MP5C	Z	0	6.16
24	MP5C	Mx	-.031	6.16
25	MP5A	X	-21.321	.68
26	MP5A	Z	0	.68
27	MP5A	Mx	.021	.68
28	MP5A	X	-21.321	6.16
29	MP5A	Z	0	6.16
30	MP5A	Mx	.021	6.16
31	MP5B	X	-26.481	.68
32	MP5B	Z	0	.68
33	MP5B	Mx	-.032	.68
34	MP5B	X	-26.481	6.16
35	MP5B	Z	0	6.16
36	MP5B	Mx	-.032	6.16
37	MP5C	X	-27.396	.68
38	MP5C	Z	0	.68
39	MP5C	Mx	.012	.68
40	MP5C	X	-27.396	6.16
41	MP5C	Z	0	6.16
42	MP5C	Mx	.012	6.16
43	MP3A	X	-5.903	.62
44	MP3A	Z	0	.62
45	MP3A	Mx	.006	.62
46	MP3A	X	-5.903	2.55
47	MP3A	Z	0	2.55
48	MP3A	Mx	.006	2.55
49	MP3B	X	-11.898	.62
50	MP3B	Z	0	.62
51	MP3B	Mx	-.006	.62
52	MP3B	X	-11.898	2.55
53	MP3B	Z	0	2.55
54	MP3B	Mx	-.006	2.55
55	MP3C	X	-12.962	.62
56	MP3C	Z	0	.62
57	MP3C	Mx	-.004	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-12.962	2.55
59	MP3C	Z	0	2.55
60	MP3C	Mx	-.004	2.55
61	MP4A	X	-4.035	3.25
62	MP4A	Z	0	3.25
63	MP4A	Mx	-.003	3.25
64	MP4A	X	-4.035	3.25
65	MP4A	Z	0	3.25
66	MP4A	Mx	-.003	3.25
67	MP4B	X	-5.365	3.25
68	MP4B	Z	0	3.25
69	MP4B	Mx	.002	3.25
70	MP4B	X	-5.365	3.25
71	MP4B	Z	0	3.25
72	MP4B	Mx	.002	3.25
73	MP4C	X	-5.601	3.25
74	MP4C	Z	0	3.25
75	MP4C	Mx	.001	3.25
76	MP4C	X	-5.601	3.25
77	MP4C	Z	0	3.25
78	MP4C	Mx	.001	3.25
79	MP3A	X	-3.716	3.25
80	MP3A	Z	0	3.25
81	MP3A	Mx	-.002	3.25
82	MP3A	X	-3.716	3.25
83	MP3A	Z	0	3.25
84	MP3A	Mx	-.002	3.25
85	MP3B	X	-5.286	3.25
86	MP3B	Z	0	3.25
87	MP3B	Mx	.002	3.25
88	MP3B	X	-5.286	3.25
89	MP3B	Z	0	3.25
90	MP3B	Mx	.002	3.25
91	MP3C	X	-5.564	3.25
92	MP3C	Z	0	3.25
93	MP3C	Mx	.001	3.25
94	MP3C	X	-5.564	3.25
95	MP3C	Z	0	3.25
96	MP3C	Mx	.001	3.25
97	MP1A	X	-19.727	.17
98	MP1A	Z	0	.17
99	MP1A	Mx	.02	.17
100	MP1A	X	-19.727	5.83
101	MP1A	Z	0	5.83
102	MP1A	Mx	.02	5.83
103	MP1B	X	-23.019	.17
104	MP1B	Z	0	.17
105	MP1B	Mx	-.012	.17
106	MP1B	X	-23.019	5.83
107	MP1B	Z	0	5.83
108	MP1B	Mx	-.012	5.83
109	MP1C	X	-23.019	.17
110	MP1C	Z	0	.17
111	MP1C	Mx	-.012	.17
112	MP1C	X	-23.019	5.83
113	MP1C	Z	0	5.83
114	MP1C	Mx	-.012	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-2.927	5.25
2	MP5A	Z	-1.69	5.25
3	MP5A	Mx	.000732	5.25
4	MP5A	X	-2.927	5.25
5	MP5A	Z	-1.69	5.25
6	MP5A	Mx	-.000732	5.25
7	MP5A	X	-19.954	.68
8	MP5A	Z	-11.52	.68
9	MP5A	Mx	.01	.68
10	MP5A	X	-19.954	6.16
11	MP5A	Z	-11.52	6.16
12	MP5A	Mx	.01	6.16
13	MP5B	X	-24.423	.68
14	MP5B	Z	-14.1	.68
15	MP5B	Mx	.024	.68
16	MP5B	X	-24.423	6.16
17	MP5B	Z	-14.1	6.16
18	MP5B	Mx	.024	6.16
19	MP5C	X	-20.926	.68
20	MP5C	Z	-12.082	.68
21	MP5C	Mx	-.031	.68
22	MP5C	X	-20.926	6.16
23	MP5C	Z	-12.082	6.16
24	MP5C	Mx	-.031	6.16
25	MP5A	X	-19.954	.68
26	MP5A	Z	-11.52	.68
27	MP5A	Mx	.03	.68
28	MP5A	X	-19.954	6.16
29	MP5A	Z	-11.52	6.16
30	MP5A	Mx	.03	6.16
31	MP5B	X	-24.423	.68
32	MP5B	Z	-14.1	.68
33	MP5B	Mx	-.024	.68
34	MP5B	X	-24.423	6.16
35	MP5B	Z	-14.1	6.16
36	MP5B	Mx	-.024	6.16
37	MP5C	X	-20.926	.68
38	MP5C	Z	-12.082	.68
39	MP5C	Mx	-.006	.68
40	MP5C	X	-20.926	6.16
41	MP5C	Z	-12.082	6.16
42	MP5C	Mx	-.006	6.16
43	MP3A	X	-6.843	.62
44	MP3A	Z	-3.951	.62
45	MP3A	Mx	.007	.62
46	MP3A	X	-6.843	2.55
47	MP3A	Z	-3.951	2.55
48	MP3A	Mx	.007	2.55
49	MP3B	X	-12.035	.62
50	MP3B	Z	-6.949	.62
51	MP3B	Mx	1e-6	.62
52	MP3B	X	-12.035	2.55
53	MP3B	Z	-6.949	2.55
54	MP3B	Mx	1e-6	2.55
55	MP3C	X	-7.972	.62
56	MP3C	Z	-4.603	.62
57	MP3C	Mx	-.007	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-7.972	2.55
59	MP3C	Z	-4.603	2.55
60	MP3C	Mx	-.007	2.55
61	MP4A	X	-3.878	3.25
62	MP4A	Z	-2.239	3.25
63	MP4A	Mx	-.003	3.25
64	MP4A	X	-3.878	3.25
65	MP4A	Z	-2.239	3.25
66	MP4A	Mx	-.003	3.25
67	MP4B	X	-5.031	3.25
68	MP4B	Z	-2.904	3.25
69	MP4B	Mx	0	3.25
70	MP4B	X	-5.031	3.25
71	MP4B	Z	-2.904	3.25
72	MP4B	Mx	0	3.25
73	MP4C	X	-4.129	3.25
74	MP4C	Z	-2.384	3.25
75	MP4C	Mx	.002	3.25
76	MP4C	X	-4.129	3.25
77	MP4C	Z	-2.384	3.25
78	MP4C	Mx	.002	3.25
79	MP3A	X	-3.671	3.25
80	MP3A	Z	-2.119	3.25
81	MP3A	Mx	-.002	3.25
82	MP3A	X	-3.671	3.25
83	MP3A	Z	-2.119	3.25
84	MP3A	Mx	-.002	3.25
85	MP3B	X	-5.031	3.25
86	MP3B	Z	-2.904	3.25
87	MP3B	Mx	0	3.25
88	MP3B	X	-5.031	3.25
89	MP3B	Z	-2.904	3.25
90	MP3B	Mx	0	3.25
91	MP3C	X	-3.967	3.25
92	MP3C	Z	-2.29	3.25
93	MP3C	Mx	.002	3.25
94	MP3C	X	-3.967	3.25
95	MP3C	Z	-2.29	3.25
96	MP3C	Mx	.002	3.25
97	MP1A	X	-18.035	.17
98	MP1A	Z	-10.412	.17
99	MP1A	Mx	.018	.17
100	MP1A	X	-18.035	5.83
101	MP1A	Z	-10.412	5.83
102	MP1A	Mx	.018	5.83
103	MP1B	X	-20.885	.17
104	MP1B	Z	-12.058	.17
105	MP1B	Mx	0	.17
106	MP1B	X	-20.885	5.83
107	MP1B	Z	-12.058	5.83
108	MP1B	Mx	0	5.83
109	MP1C	X	-18.035	.17
110	MP1C	Z	-10.412	.17
111	MP1C	Mx	-.018	.17
112	MP1C	X	-18.035	5.83
113	MP1C	Z	-10.412	5.83
114	MP1C	Mx	-.018	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-2.687	5.25
2	MP5A	Z	-4.654	5.25
3	MP5A	Mx	.000672	5.25
4	MP5A	X	-2.687	5.25
5	MP5A	Z	-4.654	5.25
6	MP5A	Mx	-.000672	5.25
7	MP5A	X	-13.24	.68
8	MP5A	Z	-22.933	.68
9	MP5A	Mx	-.006	.68
10	MP5A	X	-13.24	6.16
11	MP5A	Z	-22.933	6.16
12	MP5A	Mx	-.006	6.16
13	MP5B	X	-13.24	.68
14	MP5B	Z	-22.933	.68
15	MP5B	Mx	.032	.68
16	MP5B	X	-13.24	6.16
17	MP5B	Z	-22.933	6.16
18	MP5B	Mx	.032	6.16
19	MP5C	X	-10.764	.68
20	MP5C	Z	-18.644	.68
21	MP5C	Mx	-.024	.68
22	MP5C	X	-10.764	6.16
23	MP5C	Z	-18.644	6.16
24	MP5C	Mx	-.024	6.16
25	MP5A	X	-13.24	.68
26	MP5A	Z	-22.933	.68
27	MP5A	Mx	.032	.68
28	MP5A	X	-13.24	6.16
29	MP5A	Z	-22.933	6.16
30	MP5A	Mx	.032	6.16
31	MP5B	X	-13.24	.68
32	MP5B	Z	-22.933	.68
33	MP5B	Mx	-.006	.68
34	MP5B	X	-13.24	6.16
35	MP5B	Z	-22.933	6.16
36	MP5B	Mx	-.006	6.16
37	MP5C	X	-10.764	.68
38	MP5C	Z	-18.644	.68
39	MP5C	Mx	-.018	.68
40	MP5C	X	-10.764	6.16
41	MP5C	Z	-18.644	6.16
42	MP5C	Mx	-.018	6.16
43	MP3A	X	-5.949	.62
44	MP3A	Z	-10.304	.62
45	MP3A	Mx	.006	.62
46	MP3A	X	-5.949	2.55
47	MP3A	Z	-10.304	2.55
48	MP3A	Mx	.006	2.55
49	MP3B	X	-5.949	.62
50	MP3B	Z	-10.304	.62
51	MP3B	Mx	.006	.62
52	MP3B	X	-5.949	2.55
53	MP3B	Z	-10.304	2.55
54	MP3B	Mx	.006	2.55
55	MP3C	X	-3.072	.62
56	MP3C	Z	-5.321	.62
57	MP3C	Mx	-.006	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-3.072	2.55
59	MP3C	Z	-5.321	2.55
60	MP3C	Mx	-.006	2.55
61	MP4A	X	-2.683	3.25
62	MP4A	Z	-4.647	3.25
63	MP4A	Mx	-.002	3.25
64	MP4A	X	-2.683	3.25
65	MP4A	Z	-4.647	3.25
66	MP4A	Mx	-.002	3.25
67	MP4B	X	-2.683	3.25
68	MP4B	Z	-4.647	3.25
69	MP4B	Mx	-.002	3.25
70	MP4B	X	-2.683	3.25
71	MP4B	Z	-4.647	3.25
72	MP4B	Mx	-.002	3.25
73	MP4C	X	-2.044	3.25
74	MP4C	Z	-3.541	3.25
75	MP4C	Mx	.003	3.25
76	MP4C	X	-2.044	3.25
77	MP4C	Z	-3.541	3.25
78	MP4C	Mx	.003	3.25
79	MP3A	X	-2.643	3.25
80	MP3A	Z	-4.577	3.25
81	MP3A	Mx	-.002	3.25
82	MP3A	X	-2.643	3.25
83	MP3A	Z	-4.577	3.25
84	MP3A	Mx	-.002	3.25
85	MP3B	X	-2.643	3.25
86	MP3B	Z	-4.577	3.25
87	MP3B	Mx	-.002	3.25
88	MP3B	X	-2.643	3.25
89	MP3B	Z	-4.577	3.25
90	MP3B	Mx	-.002	3.25
91	MP3C	X	-1.889	3.25
92	MP3C	Z	-3.272	3.25
93	MP3C	Mx	.002	3.25
94	MP3C	X	-1.889	3.25
95	MP3C	Z	-3.272	3.25
96	MP3C	Mx	.002	3.25
97	MP1A	X	-11.51	.17
98	MP1A	Z	-19.935	.17
99	MP1A	Mx	.012	.17
100	MP1A	X	-11.51	5.83
101	MP1A	Z	-19.935	5.83
102	MP1A	Mx	.012	5.83
103	MP1B	X	-11.51	.17
104	MP1B	Z	-19.935	.17
105	MP1B	Mx	.012	.17
106	MP1B	X	-11.51	5.83
107	MP1B	Z	-19.935	5.83
108	MP1B	Mx	.012	5.83
109	MP1C	X	-9.864	.17
110	MP1C	Z	-17.084	.17
111	MP1C	Mx	-.02	.17
112	MP1C	X	-9.864	5.83
113	MP1C	Z	-17.084	5.83
114	MP1C	Mx	-.02	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	5.25
2	MP5A	Z	-1.806	5.25
3	MP5A	Mx	0	5.25
4	MP5A	X	0	5.25
5	MP5A	Z	-1.806	5.25
6	MP5A	Mx	0	5.25
7	MP5A	X	0	.68
8	MP5A	Z	-4.475	.68
9	MP5A	Mx	-.004	.68
10	MP5A	X	0	6.16
11	MP5A	Z	-4.475	6.16
12	MP5A	Mx	-.004	6.16
13	MP5B	X	0	.68
14	MP5B	Z	-3.63	.68
15	MP5B	Mx	.005	.68
16	MP5B	X	0	6.16
17	MP5B	Z	-3.63	6.16
18	MP5B	Mx	.005	6.16
19	MP5C	X	0	.68
20	MP5C	Z	-3.481	.68
21	MP5C	Mx	-.002	.68
22	MP5C	X	0	6.16
23	MP5C	Z	-3.481	6.16
24	MP5C	Mx	-.002	6.16
25	MP5A	X	0	.68
26	MP5A	Z	-4.475	.68
27	MP5A	Mx	.004	.68
28	MP5A	X	0	6.16
29	MP5A	Z	-4.475	6.16
30	MP5A	Mx	.004	6.16
31	MP5B	X	0	.68
32	MP5B	Z	-3.63	.68
33	MP5B	Mx	.002	.68
34	MP5B	X	0	6.16
35	MP5B	Z	-3.63	6.16
36	MP5B	Mx	.002	6.16
37	MP5C	X	0	.68
38	MP5C	Z	-3.481	.68
39	MP5C	Mx	-.004	.68
40	MP5C	X	0	6.16
41	MP5C	Z	-3.481	6.16
42	MP5C	Mx	-.004	6.16
43	MP3A	X	0	.62
44	MP3A	Z	-3.708	.62
45	MP3A	Mx	0	.62
46	MP3A	X	0	2.55
47	MP3A	Z	-3.708	2.55
48	MP3A	Mx	0	2.55
49	MP3B	X	0	.62
50	MP3B	Z	-1.885	.62
51	MP3B	Mx	.002	.62
52	MP3B	X	0	2.55
53	MP3B	Z	-1.885	2.55
54	MP3B	Mx	.002	2.55
55	MP3C	X	0	.62
56	MP3C	Z	-1.562	.62
57	MP3C	Mx	-.001	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	0	2.55
59	MP3C	Z	-1.562	2.55
60	MP3C	Mx	-.001	2.55
61	MP4A	X	0	3.25
62	MP4A	Z	-1.458	3.25
63	MP4A	Mx	0	3.25
64	MP4A	X	0	3.25
65	MP4A	Z	-1.458	3.25
66	MP4A	Mx	0	3.25
67	MP4B	X	0	3.25
68	MP4B	Z	-1.098	3.25
69	MP4B	Mx	-.000634	3.25
70	MP4B	X	0	3.25
71	MP4B	Z	-1.098	3.25
72	MP4B	Mx	-.000634	3.25
73	MP4C	X	0	3.25
74	MP4C	Z	-1.034	3.25
75	MP4C	Mx	.000648	3.25
76	MP4C	X	0	3.25
77	MP4C	Z	-1.034	3.25
78	MP4C	Mx	.000648	3.25
79	MP3A	X	0	3.25
80	MP3A	Z	-1.458	3.25
81	MP3A	Mx	0	3.25
82	MP3A	X	0	3.25
83	MP3A	Z	-1.458	3.25
84	MP3A	Mx	0	3.25
85	MP3B	X	0	3.25
86	MP3B	Z	-1.027	3.25
87	MP3B	Mx	-.000593	3.25
88	MP3B	X	0	3.25
89	MP3B	Z	-1.027	3.25
90	MP3B	Mx	-.000593	3.25
91	MP3C	X	0	3.25
92	MP3C	Z	-.951	3.25
93	MP3C	Mx	.000596	3.25
94	MP3C	X	0	3.25
95	MP3C	Z	-.951	3.25
96	MP3C	Mx	.000596	3.25
97	MP1A	X	0	.17
98	MP1A	Z	-7.757	.17
99	MP1A	Mx	0	.17
100	MP1A	X	0	5.83
101	MP1A	Z	-7.757	5.83
102	MP1A	Mx	0	5.83
103	MP1B	X	0	.17
104	MP1B	Z	-6.618	.17
105	MP1B	Mx	.006	.17
106	MP1B	X	0	5.83
107	MP1B	Z	-6.618	5.83
108	MP1B	Mx	.006	5.83
109	MP1C	X	0	.17
110	MP1C	Z	-6.618	.17
111	MP1C	Mx	-.006	.17
112	MP1C	X	0	5.83
113	MP1C	Z	-6.618	5.83
114	MP1C	Mx	-.006	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	.746	5.25
2	MP5A	Z	-1.291	5.25
3	MP5A	Mx	-.000186	5.25
4	MP5A	X	.746	5.25
5	MP5A	Z	-1.291	5.25
6	MP5A	Mx	.000186	5.25
7	MP5A	X	2.097	.68
8	MP5A	Z	-3.631	.68
9	MP5A	Mx	-.005	.68
10	MP5A	X	2.097	6.16
11	MP5A	Z	-3.631	6.16
12	MP5A	Mx	-.005	6.16
13	MP5B	X	1.674	.68
14	MP5B	Z	-2.9	.68
15	MP5B	Mx	.003	.68
16	MP5B	X	1.674	6.16
17	MP5B	Z	-2.9	6.16
18	MP5B	Mx	.003	6.16
19	MP5C	X	2.005	.68
20	MP5C	Z	-3.472	.68
21	MP5C	Mx	-1.7e-5	.68
22	MP5C	X	2.005	6.16
23	MP5C	Z	-3.472	6.16
24	MP5C	Mx	-1.7e-5	6.16
25	MP5A	X	2.097	.68
26	MP5A	Z	-3.631	.68
27	MP5A	Mx	.000929	.68
28	MP5A	X	2.097	6.16
29	MP5A	Z	-3.631	6.16
30	MP5A	Mx	.000929	6.16
31	MP5B	X	1.674	.68
32	MP5B	Z	-2.9	.68
33	MP5B	Mx	.003	.68
34	MP5B	X	1.674	6.16
35	MP5B	Z	-2.9	6.16
36	MP5B	Mx	.003	6.16
37	MP5C	X	2.005	.68
38	MP5C	Z	-3.472	.68
39	MP5C	Mx	-.005	.68
40	MP5C	X	2.005	6.16
41	MP5C	Z	-3.472	6.16
42	MP5C	Mx	-.005	6.16
43	MP3A	X	1.55	.62
44	MP3A	Z	-2.685	.62
45	MP3A	Mx	-.002	.62
46	MP3A	X	1.55	2.55
47	MP3A	Z	-2.685	2.55
48	MP3A	Mx	-.002	2.55
49	MP3B	X	.639	.62
50	MP3B	Z	-1.106	.62
51	MP3B	Mx	.001	.62
52	MP3B	X	.639	2.55
53	MP3B	Z	-1.106	2.55
54	MP3B	Mx	.001	2.55
55	MP3C	X	1.352	.62
56	MP3C	Z	-2.342	.62
57	MP3C	Mx	-.002	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	1.352	2.55
59	MP3C	Z	-2.342	2.55
60	MP3C	Mx	-.002	2.55
61	MP4A	X	.669	3.25
62	MP4A	Z	-1.159	3.25
63	MP4A	Mx	.000446	3.25
64	MP4A	X	.669	3.25
65	MP4A	Z	-1.159	3.25
66	MP4A	Mx	.000446	3.25
67	MP4B	X	.489	3.25
68	MP4B	Z	-.847	3.25
69	MP4B	Mx	-.000652	3.25
70	MP4B	X	.489	3.25
71	MP4B	Z	-.847	3.25
72	MP4B	Mx	-.000652	3.25
73	MP4C	X	.63	3.25
74	MP4C	Z	-1.091	3.25
75	MP4C	Mx	.00054	3.25
76	MP4C	X	.63	3.25
77	MP4C	Z	-1.091	3.25
78	MP4C	Mx	.00054	3.25
79	MP3A	X	.657	3.25
80	MP3A	Z	-1.138	3.25
81	MP3A	Mx	.000438	3.25
82	MP3A	X	.657	3.25
83	MP3A	Z	-1.138	3.25
84	MP3A	Mx	.000438	3.25
85	MP3B	X	.442	3.25
86	MP3B	Z	-.766	3.25
87	MP3B	Mx	-.00059	3.25
88	MP3B	X	.442	3.25
89	MP3B	Z	-.766	3.25
90	MP3B	Mx	-.00059	3.25
91	MP3C	X	.61	3.25
92	MP3C	Z	-1.057	3.25
93	MP3C	Mx	.000523	3.25
94	MP3C	X	.61	3.25
95	MP3C	Z	-1.057	3.25
96	MP3C	Mx	.000523	3.25
97	MP1A	X	3.689	.17
98	MP1A	Z	-6.389	.17
99	MP1A	Mx	-.004	.17
100	MP1A	X	3.689	5.83
101	MP1A	Z	-6.389	5.83
102	MP1A	Mx	-.004	5.83
103	MP1B	X	3.119	.17
104	MP1B	Z	-5.402	.17
105	MP1B	Mx	.006	.17
106	MP1B	X	3.119	5.83
107	MP1B	Z	-5.402	5.83
108	MP1B	Mx	.006	5.83
109	MP1C	X	3.689	.17
110	MP1C	Z	-6.389	.17
111	MP1C	Mx	-.004	.17
112	MP1C	X	3.689	5.83
113	MP1C	Z	-6.389	5.83
114	MP1C	Mx	-.004	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	.747	5.25
2	MP5A	Z	-.431	5.25
3	MP5A	Mx	-.000187	5.25
4	MP5A	X	.747	5.25
5	MP5A	Z	-.431	5.25
6	MP5A	Mx	.000187	5.25
7	MP5A	X	3.144	.68
8	MP5A	Z	-1.815	.68
9	MP5A	Mx	-.005	.68
10	MP5A	X	3.144	6.16
11	MP5A	Z	-1.815	6.16
12	MP5A	Mx	-.005	6.16
13	MP5B	X	3.144	.68
14	MP5B	Z	-1.815	.68
15	MP5B	Mx	.002	.68
16	MP5B	X	3.144	6.16
17	MP5B	Z	-1.815	6.16
18	MP5B	Mx	.002	6.16
19	MP5C	X	3.846	.68
20	MP5C	Z	-2.22	.68
21	MP5C	Mx	.003	.68
22	MP5C	X	3.846	6.16
23	MP5C	Z	-2.22	6.16
24	MP5C	Mx	.003	6.16
25	MP5A	X	3.144	.68
26	MP5A	Z	-1.815	.68
27	MP5A	Mx	-.002	.68
28	MP5A	X	3.144	6.16
29	MP5A	Z	-1.815	6.16
30	MP5A	Mx	-.002	6.16
31	MP5B	X	3.144	.68
32	MP5B	Z	-1.815	.68
33	MP5B	Mx	.005	.68
34	MP5B	X	3.144	6.16
35	MP5B	Z	-1.815	6.16
36	MP5B	Mx	.005	6.16
37	MP5C	X	3.846	.68
38	MP5C	Z	-2.22	.68
39	MP5C	Mx	-.004	.68
40	MP5C	X	3.846	6.16
41	MP5C	Z	-2.22	6.16
42	MP5C	Mx	-.004	6.16
43	MP3A	X	1.632	.62
44	MP3A	Z	-.942	.62
45	MP3A	Mx	-.002	.62
46	MP3A	X	1.632	2.55
47	MP3A	Z	-.942	2.55
48	MP3A	Mx	-.002	2.55
49	MP3B	X	1.632	.62
50	MP3B	Z	-.942	.62
51	MP3B	Mx	.002	.62
52	MP3B	X	1.632	2.55
53	MP3B	Z	-.942	2.55
54	MP3B	Mx	.002	2.55
55	MP3C	X	3.148	.62
56	MP3C	Z	-1.818	.62
57	MP3C	Mx	-.000632	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	3.148	2.55
59	MP3C	Z	-1.818	2.55
60	MP3C	Mx	-.000632	2.55
61	MP4A	X	.951	3.25
62	MP4A	Z	-.549	3.25
63	MP4A	Mx	.000634	3.25
64	MP4A	X	.951	3.25
65	MP4A	Z	-.549	3.25
66	MP4A	Mx	.000634	3.25
67	MP4B	X	.951	3.25
68	MP4B	Z	-.549	3.25
69	MP4B	Mx	-.000634	3.25
70	MP4B	X	.951	3.25
71	MP4B	Z	-.549	3.25
72	MP4B	Mx	-.000634	3.25
73	MP4C	X	1.25	3.25
74	MP4C	Z	-.722	3.25
75	MP4C	Mx	.000167	3.25
76	MP4C	X	1.25	3.25
77	MP4C	Z	-.722	3.25
78	MP4C	Mx	.000167	3.25
79	MP3A	X	.89	3.25
80	MP3A	Z	-.514	3.25
81	MP3A	Mx	.000593	3.25
82	MP3A	X	.89	3.25
83	MP3A	Z	-.514	3.25
84	MP3A	Mx	.000593	3.25
85	MP3B	X	.89	3.25
86	MP3B	Z	-.514	3.25
87	MP3B	Mx	-.000593	3.25
88	MP3B	X	.89	3.25
89	MP3B	Z	-.514	3.25
90	MP3B	Mx	-.000593	3.25
91	MP3C	X	1.247	3.25
92	MP3C	Z	-.72	3.25
93	MP3C	Mx	.000167	3.25
94	MP3C	X	1.247	3.25
95	MP3C	Z	-.72	3.25
96	MP3C	Mx	.000167	3.25
97	MP1A	X	5.731	.17
98	MP1A	Z	-3.309	.17
99	MP1A	Mx	-.006	.17
100	MP1A	X	5.731	5.83
101	MP1A	Z	-3.309	5.83
102	MP1A	Mx	-.006	5.83
103	MP1B	X	5.731	.17
104	MP1B	Z	-3.309	.17
105	MP1B	Mx	.006	.17
106	MP1B	X	5.731	5.83
107	MP1B	Z	-3.309	5.83
108	MP1B	Mx	.006	5.83
109	MP1C	X	6.718	.17
110	MP1C	Z	-3.879	.17
111	MP1C	Mx	0	.17
112	MP1C	X	6.718	5.83
113	MP1C	Z	-3.879	5.83
114	MP1C	Mx	0	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	.548	5.25
2	MP5A	Z	0	5.25
3	MP5A	Mx	-.000137	5.25
4	MP5A	X	.548	5.25
5	MP5A	Z	0	5.25
6	MP5A	Mx	.000137	5.25
7	MP5A	X	3.349	.68
8	MP5A	Z	0	.68
9	MP5A	Mx	-.003	.68
10	MP5A	X	3.349	6.16
11	MP5A	Z	0	6.16
12	MP5A	Mx	-.003	6.16
13	MP5B	X	4.193	.68
14	MP5B	Z	0	.68
15	MP5B	Mx	-.00093	.68
16	MP5B	X	4.193	6.16
17	MP5B	Z	0	6.16
18	MP5B	Mx	-.00093	6.16
19	MP5C	X	4.343	.68
20	MP5C	Z	0	.68
21	MP5C	Mx	.005	.68
22	MP5C	X	4.343	6.16
23	MP5C	Z	0	6.16
24	MP5C	Mx	.005	6.16
25	MP5A	X	3.349	.68
26	MP5A	Z	0	.68
27	MP5A	Mx	-.003	.68
28	MP5A	X	3.349	6.16
29	MP5A	Z	0	6.16
30	MP5A	Mx	-.003	6.16
31	MP5B	X	4.193	.68
32	MP5B	Z	0	.68
33	MP5B	Mx	.005	.68
34	MP5B	X	4.193	6.16
35	MP5B	Z	0	6.16
36	MP5B	Mx	.005	6.16
37	MP5C	X	4.343	.68
38	MP5C	Z	0	.68
39	MP5C	Mx	-.002	.68
40	MP5C	X	4.343	6.16
41	MP5C	Z	0	6.16
42	MP5C	Mx	-.002	6.16
43	MP3A	X	1.277	.62
44	MP3A	Z	0	.62
45	MP3A	Mx	-.001	.62
46	MP3A	X	1.277	2.55
47	MP3A	Z	0	2.55
48	MP3A	Mx	-.001	2.55
49	MP3B	X	3.101	.62
50	MP3B	Z	0	.62
51	MP3B	Mx	.002	.62
52	MP3B	X	3.101	2.55
53	MP3B	Z	0	2.55
54	MP3B	Mx	.002	2.55
55	MP3C	X	3.424	.62
56	MP3C	Z	0	.62
57	MP3C	Mx	.001	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	3.424	2.55
59	MP3C	Z	0	2.55
60	MP3C	Mx	.001	2.55
61	MP4A	X	.978	3.25
62	MP4A	Z	0	3.25
63	MP4A	Mx	.000652	3.25
64	MP4A	X	.978	3.25
65	MP4A	Z	0	3.25
66	MP4A	Mx	.000652	3.25
67	MP4B	X	1.338	3.25
68	MP4B	Z	0	3.25
69	MP4B	Mx	-.000446	3.25
70	MP4B	X	1.338	3.25
71	MP4B	Z	0	3.25
72	MP4B	Mx	-.000446	3.25
73	MP4C	X	1.402	3.25
74	MP4C	Z	0	3.25
75	MP4C	Mx	-.00032	3.25
76	MP4C	X	1.402	3.25
77	MP4C	Z	0	3.25
78	MP4C	Mx	-.00032	3.25
79	MP3A	X	.884	3.25
80	MP3A	Z	0	3.25
81	MP3A	Mx	.000589	3.25
82	MP3A	X	.884	3.25
83	MP3A	Z	0	3.25
84	MP3A	Mx	.000589	3.25
85	MP3B	X	1.314	3.25
86	MP3B	Z	0	3.25
87	MP3B	Mx	-.000438	3.25
88	MP3B	X	1.314	3.25
89	MP3B	Z	0	3.25
90	MP3B	Mx	-.000438	3.25
91	MP3C	X	1.391	3.25
92	MP3C	Z	0	3.25
93	MP3C	Mx	-.000317	3.25
94	MP3C	X	1.391	3.25
95	MP3C	Z	0	3.25
96	MP3C	Mx	-.000317	3.25
97	MP1A	X	6.238	.17
98	MP1A	Z	0	.17
99	MP1A	Mx	-.006	.17
100	MP1A	X	6.238	5.83
101	MP1A	Z	0	5.83
102	MP1A	Mx	-.006	5.83
103	MP1B	X	7.377	.17
104	MP1B	Z	0	.17
105	MP1B	Mx	.004	.17
106	MP1B	X	7.377	5.83
107	MP1B	Z	0	5.83
108	MP1B	Mx	.004	5.83
109	MP1C	X	7.377	.17
110	MP1C	Z	0	.17
111	MP1C	Mx	.004	.17
112	MP1C	X	7.377	5.83
113	MP1C	Z	0	5.83
114	MP1C	Mx	.004	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	.747	5.25
2	MP5A	Z	.431	5.25
3	MP5A	Mx	-.000187	5.25
4	MP5A	X	.747	5.25
5	MP5A	Z	.431	5.25
6	MP5A	Mx	.000187	5.25
7	MP5A	X	3.144	.68
8	MP5A	Z	1.815	.68
9	MP5A	Mx	-.002	.68
10	MP5A	X	3.144	6.16
11	MP5A	Z	1.815	6.16
12	MP5A	Mx	-.002	6.16
13	MP5B	X	3.875	.68
14	MP5B	Z	2.237	.68
15	MP5B	Mx	-.004	.68
16	MP5B	X	3.875	6.16
17	MP5B	Z	2.237	6.16
18	MP5B	Mx	-.004	6.16
19	MP5C	X	3.303	.68
20	MP5C	Z	1.907	.68
21	MP5C	Mx	.005	.68
22	MP5C	X	3.303	6.16
23	MP5C	Z	1.907	6.16
24	MP5C	Mx	.005	6.16
25	MP5A	X	3.144	.68
26	MP5A	Z	1.815	.68
27	MP5A	Mx	-.005	.68
28	MP5A	X	3.144	6.16
29	MP5A	Z	1.815	6.16
30	MP5A	Mx	-.005	6.16
31	MP5B	X	3.875	.68
32	MP5B	Z	2.237	.68
33	MP5B	Mx	.004	.68
34	MP5B	X	3.875	6.16
35	MP5B	Z	2.237	6.16
36	MP5B	Mx	.004	6.16
37	MP5C	X	3.303	.68
38	MP5C	Z	1.907	.68
39	MP5C	Mx	.000879	.68
40	MP5C	X	3.303	6.16
41	MP5C	Z	1.907	6.16
42	MP5C	Mx	.000879	6.16
43	MP3A	X	1.632	.62
44	MP3A	Z	.942	.62
45	MP3A	Mx	-.002	.62
46	MP3A	X	1.632	2.55
47	MP3A	Z	.942	2.55
48	MP3A	Mx	-.002	2.55
49	MP3B	X	3.212	.62
50	MP3B	Z	1.854	.62
51	MP3B	Mx	0	.62
52	MP3B	X	3.212	2.55
53	MP3B	Z	1.854	2.55
54	MP3B	Mx	0	2.55
55	MP3C	X	1.976	.62
56	MP3C	Z	1.141	.62
57	MP3C	Mx	.002	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	1.976	2.55
59	MP3C	Z	1.141	2.55
60	MP3C	Mx	.002	2.55
61	MP4A	X	.951	3.25
62	MP4A	Z	.549	3.25
63	MP4A	Mx	.000634	3.25
64	MP4A	X	.951	3.25
65	MP4A	Z	.549	3.25
66	MP4A	Mx	.000634	3.25
67	MP4B	X	1.262	3.25
68	MP4B	Z	.729	3.25
69	MP4B	Mx	0	3.25
70	MP4B	X	1.262	3.25
71	MP4B	Z	.729	3.25
72	MP4B	Mx	0	3.25
73	MP4C	X	1.019	3.25
74	MP4C	Z	.588	3.25
75	MP4C	Mx	-.000601	3.25
76	MP4C	X	1.019	3.25
77	MP4C	Z	.588	3.25
78	MP4C	Mx	-.000601	3.25
79	MP3A	X	.89	3.25
80	MP3A	Z	.514	3.25
81	MP3A	Mx	.000593	3.25
82	MP3A	X	.89	3.25
83	MP3A	Z	.514	3.25
84	MP3A	Mx	.000593	3.25
85	MP3B	X	1.262	3.25
86	MP3B	Z	.729	3.25
87	MP3B	Mx	0	3.25
88	MP3B	X	1.262	3.25
89	MP3B	Z	.729	3.25
90	MP3B	Mx	0	3.25
91	MP3C	X	.971	3.25
92	MP3C	Z	.561	3.25
93	MP3C	Mx	-.000573	3.25
94	MP3C	X	.971	3.25
95	MP3C	Z	.561	3.25
96	MP3C	Mx	-.000573	3.25
97	MP1A	X	5.731	.17
98	MP1A	Z	3.309	.17
99	MP1A	Mx	-.006	.17
100	MP1A	X	5.731	5.83
101	MP1A	Z	3.309	5.83
102	MP1A	Mx	-.006	5.83
103	MP1B	X	6.718	.17
104	MP1B	Z	3.879	.17
105	MP1B	Mx	0	.17
106	MP1B	X	6.718	5.83
107	MP1B	Z	3.879	5.83
108	MP1B	Mx	0	5.83
109	MP1C	X	5.731	.17
110	MP1C	Z	3.309	.17
111	MP1C	Mx	.006	.17
112	MP1C	X	5.731	5.83
113	MP1C	Z	3.309	5.83
114	MP1C	Mx	.006	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	.746	5.25
2	MP5A	Z	1.291	5.25
3	MP5A	Mx	-.000186	5.25
4	MP5A	X	.746	5.25
5	MP5A	Z	1.291	5.25
6	MP5A	Mx	.000186	5.25
7	MP5A	X	2.097	.68
8	MP5A	Z	3.631	.68
9	MP5A	Mx	.000929	.68
10	MP5A	X	2.097	6.16
11	MP5A	Z	3.631	6.16
12	MP5A	Mx	.000929	6.16
13	MP5B	X	2.097	.68
14	MP5B	Z	3.631	.68
15	MP5B	Mx	-.005	.68
16	MP5B	X	2.097	6.16
17	MP5B	Z	3.631	6.16
18	MP5B	Mx	-.005	6.16
19	MP5C	X	1.691	.68
20	MP5C	Z	2.93	.68
21	MP5C	Mx	.004	.68
22	MP5C	X	1.691	6.16
23	MP5C	Z	2.93	6.16
24	MP5C	Mx	.004	6.16
25	MP5A	X	2.097	.68
26	MP5A	Z	3.631	.68
27	MP5A	Mx	-.005	.68
28	MP5A	X	2.097	6.16
29	MP5A	Z	3.631	6.16
30	MP5A	Mx	-.005	6.16
31	MP5B	X	2.097	.68
32	MP5B	Z	3.631	.68
33	MP5B	Mx	.00093	.68
34	MP5B	X	2.097	6.16
35	MP5B	Z	3.631	6.16
36	MP5B	Mx	.00093	6.16
37	MP5C	X	1.691	.68
38	MP5C	Z	2.93	.68
39	MP5C	Mx	.003	.68
40	MP5C	X	1.691	6.16
41	MP5C	Z	2.93	6.16
42	MP5C	Mx	.003	6.16
43	MP3A	X	1.55	.62
44	MP3A	Z	2.685	.62
45	MP3A	Mx	-.002	.62
46	MP3A	X	1.55	2.55
47	MP3A	Z	2.685	2.55
48	MP3A	Mx	-.002	2.55
49	MP3B	X	1.55	.62
50	MP3B	Z	2.685	.62
51	MP3B	Mx	-.002	.62
52	MP3B	X	1.55	2.55
53	MP3B	Z	2.685	2.55
54	MP3B	Mx	-.002	2.55
55	MP3C	X	.675	.62
56	MP3C	Z	1.17	.62
57	MP3C	Mx	.001	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	.675	2.55
59	MP3C	Z	1.17	2.55
60	MP3C	Mx	.001	2.55
61	MP4A	X	.669	3.25
62	MP4A	Z	1.159	3.25
63	MP4A	Mx	.000446	3.25
64	MP4A	X	.669	3.25
65	MP4A	Z	1.159	3.25
66	MP4A	Mx	.000446	3.25
67	MP4B	X	.669	3.25
68	MP4B	Z	1.159	3.25
69	MP4B	Mx	.000446	3.25
70	MP4B	X	.669	3.25
71	MP4B	Z	1.159	3.25
72	MP4B	Mx	.000446	3.25
73	MP4C	X	.496	3.25
74	MP4C	Z	.86	3.25
75	MP4C	Mx	-.000652	3.25
76	MP4C	X	.496	3.25
77	MP4C	Z	.86	3.25
78	MP4C	Mx	-.000652	3.25
79	MP3A	X	.657	3.25
80	MP3A	Z	1.138	3.25
81	MP3A	Mx	.000438	3.25
82	MP3A	X	.657	3.25
83	MP3A	Z	1.138	3.25
84	MP3A	Mx	.000438	3.25
85	MP3B	X	.657	3.25
86	MP3B	Z	1.138	3.25
87	MP3B	Mx	.000438	3.25
88	MP3B	X	.657	3.25
89	MP3B	Z	1.138	3.25
90	MP3B	Mx	.000438	3.25
91	MP3C	X	.451	3.25
92	MP3C	Z	.781	3.25
93	MP3C	Mx	-.000592	3.25
94	MP3C	X	.451	3.25
95	MP3C	Z	.781	3.25
96	MP3C	Mx	-.000592	3.25
97	MP1A	X	3.689	.17
98	MP1A	Z	6.389	.17
99	MP1A	Mx	-.004	.17
100	MP1A	X	3.689	5.83
101	MP1A	Z	6.389	5.83
102	MP1A	Mx	-.004	5.83
103	MP1B	X	3.689	.17
104	MP1B	Z	6.389	.17
105	MP1B	Mx	-.004	.17
106	MP1B	X	3.689	5.83
107	MP1B	Z	6.389	5.83
108	MP1B	Mx	-.004	5.83
109	MP1C	X	3.119	.17
110	MP1C	Z	5.402	.17
111	MP1C	Mx	.006	.17
112	MP1C	X	3.119	5.83
113	MP1C	Z	5.402	5.83
114	MP1C	Mx	.006	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	0	5.25
2	MP5A	Z	1.806	5.25
3	MP5A	Mx	0	5.25
4	MP5A	X	0	5.25
5	MP5A	Z	1.806	5.25
6	MP5A	Mx	0	5.25
7	MP5A	X	0	.68
8	MP5A	Z	4.475	.68
9	MP5A	Mx	.004	.68
10	MP5A	X	0	6.16
11	MP5A	Z	4.475	6.16
12	MP5A	Mx	.004	6.16
13	MP5B	X	0	.68
14	MP5B	Z	3.63	.68
15	MP5B	Mx	-.005	.68
16	MP5B	X	0	6.16
17	MP5B	Z	3.63	6.16
18	MP5B	Mx	-.005	6.16
19	MP5C	X	0	.68
20	MP5C	Z	3.481	.68
21	MP5C	Mx	.002	.68
22	MP5C	X	0	6.16
23	MP5C	Z	3.481	6.16
24	MP5C	Mx	.002	6.16
25	MP5A	X	0	.68
26	MP5A	Z	4.475	.68
27	MP5A	Mx	-.004	.68
28	MP5A	X	0	6.16
29	MP5A	Z	4.475	6.16
30	MP5A	Mx	-.004	6.16
31	MP5B	X	0	.68
32	MP5B	Z	3.63	.68
33	MP5B	Mx	-.002	.68
34	MP5B	X	0	6.16
35	MP5B	Z	3.63	6.16
36	MP5B	Mx	-.002	6.16
37	MP5C	X	0	.68
38	MP5C	Z	3.481	.68
39	MP5C	Mx	.004	.68
40	MP5C	X	0	6.16
41	MP5C	Z	3.481	6.16
42	MP5C	Mx	.004	6.16
43	MP3A	X	0	.62
44	MP3A	Z	3.708	.62
45	MP3A	Mx	0	.62
46	MP3A	X	0	2.55
47	MP3A	Z	3.708	2.55
48	MP3A	Mx	0	2.55
49	MP3B	X	0	.62
50	MP3B	Z	1.885	.62
51	MP3B	Mx	-.002	.62
52	MP3B	X	0	2.55
53	MP3B	Z	1.885	2.55
54	MP3B	Mx	-.002	2.55
55	MP3C	X	0	.62
56	MP3C	Z	1.562	.62
57	MP3C	Mx	.001	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	0	2.55
59	MP3C	Z	1.562	2.55
60	MP3C	Mx	.001	2.55
61	MP4A	X	0	3.25
62	MP4A	Z	1.458	3.25
63	MP4A	Mx	0	3.25
64	MP4A	X	0	3.25
65	MP4A	Z	1.458	3.25
66	MP4A	Mx	0	3.25
67	MP4B	X	0	3.25
68	MP4B	Z	1.098	3.25
69	MP4B	Mx	.000634	3.25
70	MP4B	X	0	3.25
71	MP4B	Z	1.098	3.25
72	MP4B	Mx	.000634	3.25
73	MP4C	X	0	3.25
74	MP4C	Z	1.034	3.25
75	MP4C	Mx	-.000648	3.25
76	MP4C	X	0	3.25
77	MP4C	Z	1.034	3.25
78	MP4C	Mx	-.000648	3.25
79	MP3A	X	0	3.25
80	MP3A	Z	1.458	3.25
81	MP3A	Mx	0	3.25
82	MP3A	X	0	3.25
83	MP3A	Z	1.458	3.25
84	MP3A	Mx	0	3.25
85	MP3B	X	0	3.25
86	MP3B	Z	1.027	3.25
87	MP3B	Mx	.000593	3.25
88	MP3B	X	0	3.25
89	MP3B	Z	1.027	3.25
90	MP3B	Mx	.000593	3.25
91	MP3C	X	0	3.25
92	MP3C	Z	.951	3.25
93	MP3C	Mx	-.000596	3.25
94	MP3C	X	0	3.25
95	MP3C	Z	.951	3.25
96	MP3C	Mx	-.000596	3.25
97	MP1A	X	0	.17
98	MP1A	Z	7.757	.17
99	MP1A	Mx	0	.17
100	MP1A	X	0	5.83
101	MP1A	Z	7.757	5.83
102	MP1A	Mx	0	5.83
103	MP1B	X	0	.17
104	MP1B	Z	6.618	.17
105	MP1B	Mx	-.006	.17
106	MP1B	X	0	5.83
107	MP1B	Z	6.618	5.83
108	MP1B	Mx	-.006	5.83
109	MP1C	X	0	.17
110	MP1C	Z	6.618	.17
111	MP1C	Mx	.006	.17
112	MP1C	X	0	5.83
113	MP1C	Z	6.618	5.83
114	MP1C	Mx	.006	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-.746	5.25
2	MP5A	Z	1.291	5.25
3	MP5A	Mx	.000186	5.25
4	MP5A	X	-.746	5.25
5	MP5A	Z	1.291	5.25
6	MP5A	Mx	-.000186	5.25
7	MP5A	X	-2.097	.68
8	MP5A	Z	3.631	.68
9	MP5A	Mx	.005	.68
10	MP5A	X	-2.097	6.16
11	MP5A	Z	3.631	6.16
12	MP5A	Mx	.005	6.16
13	MP5B	X	-1.674	.68
14	MP5B	Z	2.9	.68
15	MP5B	Mx	-.003	.68
16	MP5B	X	-1.674	6.16
17	MP5B	Z	2.9	6.16
18	MP5B	Mx	-.003	6.16
19	MP5C	X	-2.005	.68
20	MP5C	Z	3.472	.68
21	MP5C	Mx	1.7e-5	.68
22	MP5C	X	-2.005	6.16
23	MP5C	Z	3.472	6.16
24	MP5C	Mx	1.7e-5	6.16
25	MP5A	X	-2.097	.68
26	MP5A	Z	3.631	.68
27	MP5A	Mx	-.000929	.68
28	MP5A	X	-2.097	6.16
29	MP5A	Z	3.631	6.16
30	MP5A	Mx	-.000929	6.16
31	MP5B	X	-1.674	.68
32	MP5B	Z	2.9	.68
33	MP5B	Mx	-.003	.68
34	MP5B	X	-1.674	6.16
35	MP5B	Z	2.9	6.16
36	MP5B	Mx	-.003	6.16
37	MP5C	X	-2.005	.68
38	MP5C	Z	3.472	.68
39	MP5C	Mx	.005	.68
40	MP5C	X	-2.005	6.16
41	MP5C	Z	3.472	6.16
42	MP5C	Mx	.005	6.16
43	MP3A	X	-1.55	.62
44	MP3A	Z	2.685	.62
45	MP3A	Mx	.002	.62
46	MP3A	X	-1.55	2.55
47	MP3A	Z	2.685	2.55
48	MP3A	Mx	.002	2.55
49	MP3B	X	-.639	.62
50	MP3B	Z	1.106	.62
51	MP3B	Mx	-.001	.62
52	MP3B	X	-.639	2.55
53	MP3B	Z	1.106	2.55
54	MP3B	Mx	-.001	2.55
55	MP3C	X	-1.352	.62
56	MP3C	Z	2.342	.62
57	MP3C	Mx	.002	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-1.352	2.55
59	MP3C	Z	2.342	2.55
60	MP3C	Mx	.002	2.55
61	MP4A	X	-.669	3.25
62	MP4A	Z	1.159	3.25
63	MP4A	Mx	-.000446	3.25
64	MP4A	X	-.669	3.25
65	MP4A	Z	1.159	3.25
66	MP4A	Mx	-.000446	3.25
67	MP4B	X	-.489	3.25
68	MP4B	Z	.847	3.25
69	MP4B	Mx	.000652	3.25
70	MP4B	X	-.489	3.25
71	MP4B	Z	.847	3.25
72	MP4B	Mx	.000652	3.25
73	MP4C	X	-.63	3.25
74	MP4C	Z	1.091	3.25
75	MP4C	Mx	-.00054	3.25
76	MP4C	X	-.63	3.25
77	MP4C	Z	1.091	3.25
78	MP4C	Mx	-.00054	3.25
79	MP3A	X	-.657	3.25
80	MP3A	Z	1.138	3.25
81	MP3A	Mx	-.000438	3.25
82	MP3A	X	-.657	3.25
83	MP3A	Z	1.138	3.25
84	MP3A	Mx	-.000438	3.25
85	MP3B	X	-.442	3.25
86	MP3B	Z	.766	3.25
87	MP3B	Mx	.00059	3.25
88	MP3B	X	-.442	3.25
89	MP3B	Z	.766	3.25
90	MP3B	Mx	.00059	3.25
91	MP3C	X	-.61	3.25
92	MP3C	Z	1.057	3.25
93	MP3C	Mx	-.000523	3.25
94	MP3C	X	-.61	3.25
95	MP3C	Z	1.057	3.25
96	MP3C	Mx	-.000523	3.25
97	MP1A	X	-3.689	.17
98	MP1A	Z	6.389	.17
99	MP1A	Mx	.004	.17
100	MP1A	X	-3.689	5.83
101	MP1A	Z	6.389	5.83
102	MP1A	Mx	.004	5.83
103	MP1B	X	-3.119	.17
104	MP1B	Z	5.402	.17
105	MP1B	Mx	-.006	.17
106	MP1B	X	-3.119	5.83
107	MP1B	Z	5.402	5.83
108	MP1B	Mx	-.006	5.83
109	MP1C	X	-3.689	.17
110	MP1C	Z	6.389	.17
111	MP1C	Mx	.004	.17
112	MP1C	X	-3.689	5.83
113	MP1C	Z	6.389	5.83
114	MP1C	Mx	.004	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-.747	5.25
2	MP5A	Z	.431	5.25
3	MP5A	Mx	.000187	5.25
4	MP5A	X	-.747	5.25
5	MP5A	Z	.431	5.25
6	MP5A	Mx	-.000187	5.25
7	MP5A	X	-3.144	.68
8	MP5A	Z	1.815	.68
9	MP5A	Mx	.005	.68
10	MP5A	X	-3.144	6.16
11	MP5A	Z	1.815	6.16
12	MP5A	Mx	.005	6.16
13	MP5B	X	-3.144	.68
14	MP5B	Z	1.815	.68
15	MP5B	Mx	-.002	.68
16	MP5B	X	-3.144	6.16
17	MP5B	Z	1.815	6.16
18	MP5B	Mx	-.002	6.16
19	MP5C	X	-3.846	.68
20	MP5C	Z	2.22	.68
21	MP5C	Mx	-.003	.68
22	MP5C	X	-3.846	6.16
23	MP5C	Z	2.22	6.16
24	MP5C	Mx	-.003	6.16
25	MP5A	X	-3.144	.68
26	MP5A	Z	1.815	.68
27	MP5A	Mx	.002	.68
28	MP5A	X	-3.144	6.16
29	MP5A	Z	1.815	6.16
30	MP5A	Mx	.002	6.16
31	MP5B	X	-3.144	.68
32	MP5B	Z	1.815	.68
33	MP5B	Mx	-.005	.68
34	MP5B	X	-3.144	6.16
35	MP5B	Z	1.815	6.16
36	MP5B	Mx	-.005	6.16
37	MP5C	X	-3.846	.68
38	MP5C	Z	2.22	.68
39	MP5C	Mx	.004	.68
40	MP5C	X	-3.846	6.16
41	MP5C	Z	2.22	6.16
42	MP5C	Mx	.004	6.16
43	MP3A	X	-1.632	.62
44	MP3A	Z	.942	.62
45	MP3A	Mx	.002	.62
46	MP3A	X	-1.632	2.55
47	MP3A	Z	.942	2.55
48	MP3A	Mx	.002	2.55
49	MP3B	X	-1.632	.62
50	MP3B	Z	.942	.62
51	MP3B	Mx	-.002	.62
52	MP3B	X	-1.632	2.55
53	MP3B	Z	.942	2.55
54	MP3B	Mx	-.002	2.55
55	MP3C	X	-3.148	.62
56	MP3C	Z	1.818	.62
57	MP3C	Mx	.000632	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-3.148	2.55
59	MP3C	Z	1.818	2.55
60	MP3C	Mx	.000632	2.55
61	MP4A	X	-.951	3.25
62	MP4A	Z	.549	3.25
63	MP4A	Mx	-.000634	3.25
64	MP4A	X	-.951	3.25
65	MP4A	Z	.549	3.25
66	MP4A	Mx	-.000634	3.25
67	MP4B	X	-.951	3.25
68	MP4B	Z	.549	3.25
69	MP4B	Mx	.000634	3.25
70	MP4B	X	-.951	3.25
71	MP4B	Z	.549	3.25
72	MP4B	Mx	.000634	3.25
73	MP4C	X	-1.25	3.25
74	MP4C	Z	.722	3.25
75	MP4C	Mx	-.000167	3.25
76	MP4C	X	-1.25	3.25
77	MP4C	Z	.722	3.25
78	MP4C	Mx	-.000167	3.25
79	MP3A	X	-.89	3.25
80	MP3A	Z	.514	3.25
81	MP3A	Mx	-.000593	3.25
82	MP3A	X	-.89	3.25
83	MP3A	Z	.514	3.25
84	MP3A	Mx	-.000593	3.25
85	MP3B	X	-.89	3.25
86	MP3B	Z	.514	3.25
87	MP3B	Mx	.000593	3.25
88	MP3B	X	-.89	3.25
89	MP3B	Z	.514	3.25
90	MP3B	Mx	.000593	3.25
91	MP3C	X	-1.247	3.25
92	MP3C	Z	.72	3.25
93	MP3C	Mx	-.000167	3.25
94	MP3C	X	-1.247	3.25
95	MP3C	Z	.72	3.25
96	MP3C	Mx	-.000167	3.25
97	MP1A	X	-5.731	.17
98	MP1A	Z	3.309	.17
99	MP1A	Mx	.006	.17
100	MP1A	X	-5.731	5.83
101	MP1A	Z	3.309	5.83
102	MP1A	Mx	.006	5.83
103	MP1B	X	-5.731	.17
104	MP1B	Z	3.309	.17
105	MP1B	Mx	-.006	.17
106	MP1B	X	-5.731	5.83
107	MP1B	Z	3.309	5.83
108	MP1B	Mx	-.006	5.83
109	MP1C	X	-6.718	.17
110	MP1C	Z	3.879	.17
111	MP1C	Mx	0	.17
112	MP1C	X	-6.718	5.83
113	MP1C	Z	3.879	5.83
114	MP1C	Mx	0	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-.548	5.25
2	MP5A	Z	0	5.25
3	MP5A	Mx	.000137	5.25
4	MP5A	X	-.548	5.25
5	MP5A	Z	0	5.25
6	MP5A	Mx	-.000137	5.25
7	MP5A	X	-3.349	.68
8	MP5A	Z	0	.68
9	MP5A	Mx	.003	.68
10	MP5A	X	-3.349	6.16
11	MP5A	Z	0	6.16
12	MP5A	Mx	.003	6.16
13	MP5B	X	-4.193	.68
14	MP5B	Z	0	.68
15	MP5B	Mx	.00093	.68
16	MP5B	X	-4.193	6.16
17	MP5B	Z	0	6.16
18	MP5B	Mx	.00093	6.16
19	MP5C	X	-4.343	.68
20	MP5C	Z	0	.68
21	MP5C	Mx	-.005	.68
22	MP5C	X	-4.343	6.16
23	MP5C	Z	0	6.16
24	MP5C	Mx	-.005	6.16
25	MP5A	X	-3.349	.68
26	MP5A	Z	0	.68
27	MP5A	Mx	.003	.68
28	MP5A	X	-3.349	6.16
29	MP5A	Z	0	6.16
30	MP5A	Mx	.003	6.16
31	MP5B	X	-4.193	.68
32	MP5B	Z	0	.68
33	MP5B	Mx	-.005	.68
34	MP5B	X	-4.193	6.16
35	MP5B	Z	0	6.16
36	MP5B	Mx	-.005	6.16
37	MP5C	X	-4.343	.68
38	MP5C	Z	0	.68
39	MP5C	Mx	.002	.68
40	MP5C	X	-4.343	6.16
41	MP5C	Z	0	6.16
42	MP5C	Mx	.002	6.16
43	MP3A	X	-1.277	.62
44	MP3A	Z	0	.62
45	MP3A	Mx	.001	.62
46	MP3A	X	-1.277	2.55
47	MP3A	Z	0	2.55
48	MP3A	Mx	.001	2.55
49	MP3B	X	-3.101	.62
50	MP3B	Z	0	.62
51	MP3B	Mx	-.002	.62
52	MP3B	X	-3.101	2.55
53	MP3B	Z	0	2.55
54	MP3B	Mx	-.002	2.55
55	MP3C	X	-3.424	.62
56	MP3C	Z	0	.62
57	MP3C	Mx	-.001	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-3.424	2.55
59	MP3C	Z	0	2.55
60	MP3C	Mx	-.001	2.55
61	MP4A	X	-.978	3.25
62	MP4A	Z	0	3.25
63	MP4A	Mx	-.000652	3.25
64	MP4A	X	-.978	3.25
65	MP4A	Z	0	3.25
66	MP4A	Mx	-.000652	3.25
67	MP4B	X	-1.338	3.25
68	MP4B	Z	0	3.25
69	MP4B	Mx	.000446	3.25
70	MP4B	X	-1.338	3.25
71	MP4B	Z	0	3.25
72	MP4B	Mx	.000446	3.25
73	MP4C	X	-1.402	3.25
74	MP4C	Z	0	3.25
75	MP4C	Mx	.00032	3.25
76	MP4C	X	-1.402	3.25
77	MP4C	Z	0	3.25
78	MP4C	Mx	.00032	3.25
79	MP3A	X	-.884	3.25
80	MP3A	Z	0	3.25
81	MP3A	Mx	-.000589	3.25
82	MP3A	X	-.884	3.25
83	MP3A	Z	0	3.25
84	MP3A	Mx	-.000589	3.25
85	MP3B	X	-1.314	3.25
86	MP3B	Z	0	3.25
87	MP3B	Mx	.000438	3.25
88	MP3B	X	-1.314	3.25
89	MP3B	Z	0	3.25
90	MP3B	Mx	.000438	3.25
91	MP3C	X	-1.391	3.25
92	MP3C	Z	0	3.25
93	MP3C	Mx	.000317	3.25
94	MP3C	X	-1.391	3.25
95	MP3C	Z	0	3.25
96	MP3C	Mx	.000317	3.25
97	MP1A	X	-6.238	.17
98	MP1A	Z	0	.17
99	MP1A	Mx	.006	.17
100	MP1A	X	-6.238	5.83
101	MP1A	Z	0	5.83
102	MP1A	Mx	.006	5.83
103	MP1B	X	-7.377	.17
104	MP1B	Z	0	.17
105	MP1B	Mx	-.004	.17
106	MP1B	X	-7.377	5.83
107	MP1B	Z	0	5.83
108	MP1B	Mx	-.004	5.83
109	MP1C	X	-7.377	.17
110	MP1C	Z	0	.17
111	MP1C	Mx	-.004	.17
112	MP1C	X	-7.377	5.83
113	MP1C	Z	0	5.83
114	MP1C	Mx	-.004	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-.747	5.25
2	MP5A	Z	-.431	5.25
3	MP5A	Mx	.000187	5.25
4	MP5A	X	-.747	5.25
5	MP5A	Z	-.431	5.25
6	MP5A	Mx	-.000187	5.25
7	MP5A	X	-3.144	.68
8	MP5A	Z	-1.815	.68
9	MP5A	Mx	.002	.68
10	MP5A	X	-3.144	6.16
11	MP5A	Z	-1.815	6.16
12	MP5A	Mx	.002	6.16
13	MP5B	X	-3.875	.68
14	MP5B	Z	-2.237	.68
15	MP5B	Mx	.004	.68
16	MP5B	X	-3.875	6.16
17	MP5B	Z	-2.237	6.16
18	MP5B	Mx	.004	6.16
19	MP5C	X	-3.303	.68
20	MP5C	Z	-1.907	.68
21	MP5C	Mx	-.005	.68
22	MP5C	X	-3.303	6.16
23	MP5C	Z	-1.907	6.16
24	MP5C	Mx	-.005	6.16
25	MP5A	X	-3.144	.68
26	MP5A	Z	-1.815	.68
27	MP5A	Mx	.005	.68
28	MP5A	X	-3.144	6.16
29	MP5A	Z	-1.815	6.16
30	MP5A	Mx	.005	6.16
31	MP5B	X	-3.875	.68
32	MP5B	Z	-2.237	.68
33	MP5B	Mx	-.004	.68
34	MP5B	X	-3.875	6.16
35	MP5B	Z	-2.237	6.16
36	MP5B	Mx	-.004	6.16
37	MP5C	X	-3.303	.68
38	MP5C	Z	-1.907	.68
39	MP5C	Mx	-.000879	.68
40	MP5C	X	-3.303	6.16
41	MP5C	Z	-1.907	6.16
42	MP5C	Mx	-.000879	6.16
43	MP3A	X	-1.632	.62
44	MP3A	Z	-.942	.62
45	MP3A	Mx	.002	.62
46	MP3A	X	-1.632	2.55
47	MP3A	Z	-.942	2.55
48	MP3A	Mx	.002	2.55
49	MP3B	X	-3.212	.62
50	MP3B	Z	-1.854	.62
51	MP3B	Mx	0	.62
52	MP3B	X	-3.212	2.55
53	MP3B	Z	-1.854	2.55
54	MP3B	Mx	0	2.55
55	MP3C	X	-1.976	.62
56	MP3C	Z	-1.141	.62
57	MP3C	Mx	-.002	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-1.976	2.55
59	MP3C	Z	-1.141	2.55
60	MP3C	Mx	-.002	2.55
61	MP4A	X	-.951	3.25
62	MP4A	Z	-.549	3.25
63	MP4A	Mx	-.000634	3.25
64	MP4A	X	-.951	3.25
65	MP4A	Z	-.549	3.25
66	MP4A	Mx	-.000634	3.25
67	MP4B	X	-1.262	3.25
68	MP4B	Z	-.729	3.25
69	MP4B	Mx	0	3.25
70	MP4B	X	-1.262	3.25
71	MP4B	Z	-.729	3.25
72	MP4B	Mx	0	3.25
73	MP4C	X	-1.019	3.25
74	MP4C	Z	-.588	3.25
75	MP4C	Mx	.000601	3.25
76	MP4C	X	-1.019	3.25
77	MP4C	Z	-.588	3.25
78	MP4C	Mx	.000601	3.25
79	MP3A	X	-.89	3.25
80	MP3A	Z	-.514	3.25
81	MP3A	Mx	-.000593	3.25
82	MP3A	X	-.89	3.25
83	MP3A	Z	-.514	3.25
84	MP3A	Mx	-.000593	3.25
85	MP3B	X	-1.262	3.25
86	MP3B	Z	-.729	3.25
87	MP3B	Mx	0	3.25
88	MP3B	X	-1.262	3.25
89	MP3B	Z	-.729	3.25
90	MP3B	Mx	0	3.25
91	MP3C	X	-.971	3.25
92	MP3C	Z	-.561	3.25
93	MP3C	Mx	.000573	3.25
94	MP3C	X	-.971	3.25
95	MP3C	Z	-.561	3.25
96	MP3C	Mx	.000573	3.25
97	MP1A	X	-5.731	.17
98	MP1A	Z	-3.309	.17
99	MP1A	Mx	.006	.17
100	MP1A	X	-5.731	5.83
101	MP1A	Z	-3.309	5.83
102	MP1A	Mx	.006	5.83
103	MP1B	X	-6.718	.17
104	MP1B	Z	-3.879	.17
105	MP1B	Mx	0	.17
106	MP1B	X	-6.718	5.83
107	MP1B	Z	-3.879	5.83
108	MP1B	Mx	0	5.83
109	MP1C	X	-5.731	.17
110	MP1C	Z	-3.309	.17
111	MP1C	Mx	-.006	.17
112	MP1C	X	-5.731	5.83
113	MP1C	Z	-3.309	5.83
114	MP1C	Mx	-.006	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	-.746	5.25
2	MP5A	Z	-1.291	5.25
3	MP5A	Mx	.000186	5.25
4	MP5A	X	-.746	5.25
5	MP5A	Z	-1.291	5.25
6	MP5A	Mx	-.000186	5.25
7	MP5A	X	-2.097	.68
8	MP5A	Z	-3.631	.68
9	MP5A	Mx	-.000929	.68
10	MP5A	X	-2.097	6.16
11	MP5A	Z	-3.631	6.16
12	MP5A	Mx	-.000929	6.16
13	MP5B	X	-2.097	.68
14	MP5B	Z	-3.631	.68
15	MP5B	Mx	.005	.68
16	MP5B	X	-2.097	6.16
17	MP5B	Z	-3.631	6.16
18	MP5B	Mx	.005	6.16
19	MP5C	X	-1.691	.68
20	MP5C	Z	-2.93	.68
21	MP5C	Mx	-.004	.68
22	MP5C	X	-1.691	6.16
23	MP5C	Z	-2.93	6.16
24	MP5C	Mx	-.004	6.16
25	MP5A	X	-2.097	.68
26	MP5A	Z	-3.631	.68
27	MP5A	Mx	.005	.68
28	MP5A	X	-2.097	6.16
29	MP5A	Z	-3.631	6.16
30	MP5A	Mx	.005	6.16
31	MP5B	X	-2.097	.68
32	MP5B	Z	-3.631	.68
33	MP5B	Mx	-.00093	.68
34	MP5B	X	-2.097	6.16
35	MP5B	Z	-3.631	6.16
36	MP5B	Mx	-.00093	6.16
37	MP5C	X	-1.691	.68
38	MP5C	Z	-2.93	.68
39	MP5C	Mx	-.003	.68
40	MP5C	X	-1.691	6.16
41	MP5C	Z	-2.93	6.16
42	MP5C	Mx	-.003	6.16
43	MP3A	X	-1.55	.62
44	MP3A	Z	-2.685	.62
45	MP3A	Mx	.002	.62
46	MP3A	X	-1.55	2.55
47	MP3A	Z	-2.685	2.55
48	MP3A	Mx	.002	2.55
49	MP3B	X	-1.55	.62
50	MP3B	Z	-2.685	.62
51	MP3B	Mx	.002	.62
52	MP3B	X	-1.55	2.55
53	MP3B	Z	-2.685	2.55
54	MP3B	Mx	.002	2.55
55	MP3C	X	-.675	.62
56	MP3C	Z	-1.17	.62
57	MP3C	Mx	-.001	.62

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-.675	2.55
59	MP3C	Z	-1.17	2.55
60	MP3C	Mx	-.001	2.55
61	MP4A	X	-.669	3.25
62	MP4A	Z	-1.159	3.25
63	MP4A	Mx	-.000446	3.25
64	MP4A	X	-.669	3.25
65	MP4A	Z	-1.159	3.25
66	MP4A	Mx	-.000446	3.25
67	MP4B	X	-.669	3.25
68	MP4B	Z	-1.159	3.25
69	MP4B	Mx	-.000446	3.25
70	MP4B	X	-.669	3.25
71	MP4B	Z	-1.159	3.25
72	MP4B	Mx	-.000446	3.25
73	MP4C	X	-.496	3.25
74	MP4C	Z	-.86	3.25
75	MP4C	Mx	.000652	3.25
76	MP4C	X	-.496	3.25
77	MP4C	Z	-.86	3.25
78	MP4C	Mx	.000652	3.25
79	MP3A	X	-.657	3.25
80	MP3A	Z	-1.138	3.25
81	MP3A	Mx	-.000438	3.25
82	MP3A	X	-.657	3.25
83	MP3A	Z	-1.138	3.25
84	MP3A	Mx	-.000438	3.25
85	MP3B	X	-.657	3.25
86	MP3B	Z	-1.138	3.25
87	MP3B	Mx	-.000438	3.25
88	MP3B	X	-.657	3.25
89	MP3B	Z	-1.138	3.25
90	MP3B	Mx	-.000438	3.25
91	MP3C	X	-.451	3.25
92	MP3C	Z	-.781	3.25
93	MP3C	Mx	.000592	3.25
94	MP3C	X	-.451	3.25
95	MP3C	Z	-.781	3.25
96	MP3C	Mx	.000592	3.25
97	MP1A	X	-3.689	.17
98	MP1A	Z	-6.389	.17
99	MP1A	Mx	.004	.17
100	MP1A	X	-3.689	5.83
101	MP1A	Z	-6.389	5.83
102	MP1A	Mx	.004	5.83
103	MP1B	X	-3.689	.17
104	MP1B	Z	-6.389	.17
105	MP1B	Mx	.004	.17
106	MP1B	X	-3.689	5.83
107	MP1B	Z	-6.389	5.83
108	MP1B	Mx	.004	5.83
109	MP1C	X	-3.119	.17
110	MP1C	Z	-5.402	.17
111	MP1C	Mx	-.006	.17
112	MP1C	X	-3.119	5.83
113	MP1C	Z	-5.402	5.83
114	MP1C	Mx	-.006	5.83

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	A8	Y	-500	%3

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	A15	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	A8	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	A8	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	Y	-.905	5.25
2	MP5A	My	-.000226	5.25
3	MP5A	Mz	0	5.25
4	MP5A	Y	-.905	5.25
5	MP5A	My	.000226	5.25
6	MP5A	Mz	0	5.25
7	MP5A	Y	-1.183	.68
8	MP5A	My	-.001	.68
9	MP5A	Mz	.000985	.68
10	MP5A	Y	-1.183	6.16
11	MP5A	My	-.001	6.16
12	MP5A	Mz	.000985	6.16
13	MP5B	Y	-1.183	.68
14	MP5B	My	-.000262	.68
15	MP5B	Mz	-.002	.68
16	MP5B	Y	-1.183	6.16
17	MP5B	My	-.000262	6.16
18	MP5B	Mz	-.002	6.16
19	MP5C	Y	-1.183	.68
20	MP5C	My	.001	.68
21	MP5C	Mz	.000774	.68
22	MP5C	Y	-1.183	6.16
23	MP5C	My	.001	6.16
24	MP5C	Mz	.000774	6.16
25	MP5A	Y	-1.183	.68
26	MP5A	My	-.001	.68
27	MP5A	Mz	-.000985	.68
28	MP5A	Y	-1.183	6.16
29	MP5A	My	-.001	6.16
30	MP5A	Mz	-.000985	6.16
31	MP5B	Y	-1.183	.68
32	MP5B	My	.001	.68
33	MP5B	Mz	-.000531	.68
34	MP5B	Y	-1.183	6.16
35	MP5B	My	.001	6.16
36	MP5B	Mz	-.000531	6.16
37	MP5C	Y	-1.183	.68
38	MP5C	My	-.000522	.68
39	MP5C	Mz	.001	.68

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP5C	Y	-1.183	6.16
41	MP5C	My	-.000522	6.16
42	MP5C	Mz	.001	6.16
43	MP3A	Y	-2.239	.62
44	MP3A	My	-.002	.62
45	MP3A	Mz	0	.62
46	MP3A	Y	-2.239	2.55
47	MP3A	My	-.002	2.55
48	MP3A	Mz	0	2.55
49	MP3B	Y	-2.239	.62
50	MP3B	My	.001	.62
51	MP3B	Mz	-.002	.62
52	MP3B	Y	-2.239	2.55
53	MP3B	My	.001	2.55
54	MP3B	Mz	-.002	2.55
55	MP3C	Y	-2.239	.62
56	MP3C	My	.000766	.62
57	MP3C	Mz	.002	.62
58	MP3C	Y	-2.239	2.55
59	MP3C	My	.000766	2.55
60	MP3C	Mz	.002	2.55
61	MP4A	Y	-1.92	3.25
62	MP4A	My	.001	3.25
63	MP4A	Mz	0	3.25
64	MP4A	Y	-1.92	3.25
65	MP4A	My	.001	3.25
66	MP4A	Mz	0	3.25
67	MP4B	Y	-1.92	3.25
68	MP4B	My	-.00064	3.25
69	MP4B	Mz	.001	3.25
70	MP4B	Y	-1.92	3.25
71	MP4B	My	-.00064	3.25
72	MP4B	Mz	.001	3.25
73	MP4C	Y	-1.92	3.25
74	MP4C	My	-.000438	3.25
75	MP4C	Mz	-.001	3.25
76	MP4C	Y	-1.92	3.25
77	MP4C	My	-.000438	3.25
78	MP4C	Mz	-.001	3.25
79	MP3A	Y	-1.807	3.25
80	MP3A	My	.001	3.25
81	MP3A	Mz	0	3.25
82	MP3A	Y	-1.807	3.25
83	MP3A	My	.001	3.25
84	MP3A	Mz	0	3.25
85	MP3B	Y	-1.807	3.25
86	MP3B	My	-.000602	3.25
87	MP3B	Mz	.001	3.25
88	MP3B	Y	-1.807	3.25
89	MP3B	My	-.000602	3.25
90	MP3B	Mz	.001	3.25
91	MP3C	Y	-1.807	3.25
92	MP3C	My	-.000412	3.25
93	MP3C	Mz	-.001	3.25
94	MP3C	Y	-1.807	3.25
95	MP3C	My	-.000412	3.25
96	MP3C	Mz	-.001	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP1A	Y	-.591	.17
98	MP1A	My	-.000591	.17
99	MP1A	Mz	0	.17
100	MP1A	Y	-.591	5.83
101	MP1A	My	-.000591	5.83
102	MP1A	Mz	0	5.83
103	MP1B	Y	-.591	.17
104	MP1B	My	.000296	.17
105	MP1B	Mz	-.000512	.17
106	MP1B	Y	-.591	5.83
107	MP1B	My	.000296	5.83
108	MP1B	Mz	-.000512	5.83
109	MP1C	Y	-.591	.17
110	MP1C	My	.000296	.17
111	MP1C	Mz	.000512	.17
112	MP1C	Y	-.591	5.83
113	MP1C	My	.000296	5.83
114	MP1C	Mz	.000512	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	Z	-2.262	5.25
2	MP5A	Mx	0	5.25
3	MP5A	Z	-2.262	5.25
4	MP5A	Mx	0	5.25
5	MP5A	Z	-2.956	.68
6	MP5A	Mx	-.002	.68
7	MP5A	Z	-2.956	6.16
8	MP5A	Mx	-.002	6.16
9	MP5B	Z	-2.956	.68
10	MP5B	Mx	.004	.68
11	MP5B	Z	-2.956	6.16
12	MP5B	Mx	.004	6.16
13	MP5C	Z	-2.956	.68
14	MP5C	Mx	-.002	.68
15	MP5C	Z	-2.956	6.16
16	MP5C	Mx	-.002	6.16
17	MP5A	Z	-2.956	.68
18	MP5A	Mx	.002	.68
19	MP5A	Z	-2.956	6.16
20	MP5A	Mx	.002	6.16
21	MP5B	Z	-2.956	.68
22	MP5B	Mx	.001	.68
23	MP5B	Z	-2.956	6.16
24	MP5B	Mx	.001	6.16
25	MP5C	Z	-2.956	.68
26	MP5C	Mx	-.004	.68
27	MP5C	Z	-2.956	6.16
28	MP5C	Mx	-.004	6.16
29	MP3A	Z	-5.598	.62
30	MP3A	Mx	0	.62
31	MP3A	Z	-5.598	2.55
32	MP3A	Mx	0	2.55
33	MP3B	Z	-5.598	.62
34	MP3B	Mx	.005	.62
35	MP3B	Z	-5.598	2.55

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3B	Mx	.005	2.55
37	MP3C	Z	-5.598	.62
38	MP3C	Mx	-.005	.62
39	MP3C	Z	-5.598	2.55
40	MP3C	Mx	-.005	2.55
41	MP4A	Z	-4.801	3.25
42	MP4A	Mx	0	3.25
43	MP4A	Z	-4.801	3.25
44	MP4A	Mx	0	3.25
45	MP4B	Z	-4.801	3.25
46	MP4B	Mx	-.003	3.25
47	MP4B	Z	-4.801	3.25
48	MP4B	Mx	-.003	3.25
49	MP4C	Z	-4.801	3.25
50	MP4C	Mx	.003	3.25
51	MP4C	Z	-4.801	3.25
52	MP4C	Mx	.003	3.25
53	MP3A	Z	-4.518	3.25
54	MP3A	Mx	0	3.25
55	MP3A	Z	-4.518	3.25
56	MP3A	Mx	0	3.25
57	MP3B	Z	-4.518	3.25
58	MP3B	Mx	-.003	3.25
59	MP3B	Z	-4.518	3.25
60	MP3B	Mx	-.003	3.25
61	MP3C	Z	-4.518	3.25
62	MP3C	Mx	.003	3.25
63	MP3C	Z	-4.518	3.25
64	MP3C	Mx	.003	3.25
65	MP1A	Z	-1.478	.17
66	MP1A	Mx	0	.17
67	MP1A	Z	-1.478	5.83
68	MP1A	Mx	0	5.83
69	MP1B	Z	-1.478	.17
70	MP1B	Mx	.001	.17
71	MP1B	Z	-1.478	5.83
72	MP1B	Mx	.001	5.83
73	MP1C	Z	-1.478	.17
74	MP1C	Mx	-.001	.17
75	MP1C	Z	-1.478	5.83
76	MP1C	Mx	-.001	5.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5A	X	2.262	5.25
2	MP5A	Mx	-.000566	5.25
3	MP5A	X	2.262	5.25
4	MP5A	Mx	.000566	5.25
5	MP5A	X	2.956	.68
6	MP5A	Mx	-.003	.68
7	MP5A	X	2.956	6.16
8	MP5A	Mx	-.003	6.16
9	MP5B	X	2.956	.68
10	MP5B	Mx	-.000655	.68
11	MP5B	X	2.956	6.16
12	MP5B	Mx	-.000655	6.16

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP5C	X	2.956	.68
14	MP5C	Mx	.003	.68
15	MP5C	X	2.956	6.16
16	MP5C	Mx	.003	6.16
17	MP5A	X	2.956	.68
18	MP5A	Mx	-.003	.68
19	MP5A	X	2.956	6.16
20	MP5A	Mx	-.003	6.16
21	MP5B	X	2.956	.68
22	MP5B	Mx	.004	.68
23	MP5B	X	2.956	6.16
24	MP5B	Mx	.004	6.16
25	MP5C	X	2.956	.68
26	MP5C	Mx	-.001	.68
27	MP5C	X	2.956	6.16
28	MP5C	Mx	-.001	6.16
29	MP3A	X	5.598	.62
30	MP3A	Mx	-.006	.62
31	MP3A	X	5.598	2.55
32	MP3A	Mx	-.006	2.55
33	MP3B	X	5.598	.62
34	MP3B	Mx	.003	.62
35	MP3B	X	5.598	2.55
36	MP3B	Mx	.003	2.55
37	MP3C	X	5.598	.62
38	MP3C	Mx	.002	.62
39	MP3C	X	5.598	2.55
40	MP3C	Mx	.002	2.55
41	MP4A	X	4.801	3.25
42	MP4A	Mx	.003	3.25
43	MP4A	X	4.801	3.25
44	MP4A	Mx	.003	3.25
45	MP4B	X	4.801	3.25
46	MP4B	Mx	-.002	3.25
47	MP4B	X	4.801	3.25
48	MP4B	Mx	-.002	3.25
49	MP4C	X	4.801	3.25
50	MP4C	Mx	-.001	3.25
51	MP4C	X	4.801	3.25
52	MP4C	Mx	-.001	3.25
53	MP3A	X	4.518	3.25
54	MP3A	Mx	.003	3.25
55	MP3A	X	4.518	3.25
56	MP3A	Mx	.003	3.25
57	MP3B	X	4.518	3.25
58	MP3B	Mx	-.002	3.25
59	MP3B	X	4.518	3.25
60	MP3B	Mx	-.002	3.25
61	MP3C	X	4.518	3.25
62	MP3C	Mx	-.001	3.25
63	MP3C	X	4.518	3.25
64	MP3C	Mx	-.001	3.25
65	MP1A	X	1.478	.17
66	MP1A	Mx	-.001	.17
67	MP1A	X	1.478	5.83
68	MP1A	Mx	-.001	5.83
69	MP1B	X	1.478	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1B	Mx	.000739	.17
71	MP1B	X	1.478	5.83
72	MP1B	Mx	.000739	5.83
73	MP1C	X	1.478	.17
74	MP1C	Mx	.000739	.17
75	MP1C	X	1.478	5.83
76	MP1C	Mx	.000739	5.83

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	A1	Y	-7.28	-7.28	0	%100
2	A2	Y	-7.28	-7.28	0	%100
3	A5	Y	-4.741	-4.741	0	%100
4	A6	Y	-6.271	-6.271	0	%100
5	A7	Y	-4.741	-4.741	0	%100
6	A8	Y	-4.741	-4.741	0	%100
7	B26	Y	-7.28	-7.28	0	%100
8	B27	Y	-7.28	-7.28	0	%100
9	B30	Y	-4.741	-4.741	0	%100
10	B31	Y	-6.271	-6.271	0	%100
11	B32	Y	-4.741	-4.741	0	%100
12	B33	Y	-4.741	-4.741	0	%100
13	B80	Y	-4.741	-4.741	0	%100
14	B81	Y	-4.741	-4.741	0	%100
15	C51	Y	-7.28	-7.28	0	%100
16	C52	Y	-7.28	-7.28	0	%100
17	C55	Y	-4.741	-4.741	0	%100
18	C56	Y	-6.271	-6.271	0	%100
19	C57	Y	-4.741	-4.741	0	%100
20	C58	Y	-4.741	-4.741	0	%100
21	C78	Y	-4.741	-4.741	0	%100
22	C79	Y	-4.741	-4.741	0	%100
23	M76	Y	-4.741	-4.741	0	%100
24	M77	Y	-4.741	-4.741	0	%100
25	MP1A	Y	-4.741	-4.741	0	%100
26	MP1B	Y	-4.741	-4.741	0	%100
27	MP1C	Y	-4.741	-4.741	0	%100
28	MP2A	Y	-4.741	-4.741	0	%100
29	MP2B	Y	-4.741	-4.741	0	%100
30	MP2C	Y	-4.741	-4.741	0	%100
31	MP3A	Y	-4.741	-4.741	0	%100
32	MP3B	Y	-4.741	-4.741	0	%100
33	MP3C	Y	-4.741	-4.741	0	%100
34	MP4A	Y	-4.741	-4.741	0	%100
35	MP4B	Y	-4.741	-4.741	0	%100
36	MP4C	Y	-4.741	-4.741	0	%100
37	MP5A	Y	-5.421	-5.421	0	%100
38	MP5B	Y	-5.421	-5.421	0	%100
39	MP5C	Y	-5.421	-5.421	0	%100
40	M82	Y	-4.741	-4.741	0	%100
41	M83	Y	-4.741	-4.741	0	%100
42	M84	Y	-4.741	-4.741	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,%]

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,%]
1	A1	X	0	0	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	0	0	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	0	0	0	%100
6	A5	Z	-5.845	-5.845	0	%100
7	A6	X	0	0	0	%100
8	A6	Z	-8.778	-8.778	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	-7.148	-7.148	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	-7.148	-7.148	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	-5.079	-5.079	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	-5.079	-5.079	0	%100
17	B30	X	0	0	0	%100
18	B30	Z	-5.845	-5.845	0	%100
19	B31	X	0	0	0	%100
20	B31	Z	-8.778	-8.778	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	-1.787	-1.787	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	-1.787	-1.787	0	%100
25	B80	X	0	0	0	%100
26	B80	Z	-.044	-.044	0	%100
27	B81	X	0	0	0	%100
28	B81	Z	-5.862	-5.862	0	%100
29	C51	X	0	0	0	%100
30	C51	Z	-5.979	-5.979	0	%100
31	C52	X	0	0	0	%100
32	C52	Z	-5.979	-5.979	0	%100
33	C55	X	0	0	0	%100
34	C55	Z	-5.845	-5.845	0	%100
35	C56	X	0	0	0	%100
36	C56	Z	-8.778	-8.778	0	%100
37	C57	X	0	0	0	%100
38	C57	Z	-.836	-.836	0	%100
39	C58	X	0	0	0	%100
40	C58	Z	-.836	-.836	0	%100
41	C78	X	0	0	0	%100
42	C78	Z	-4.009	-4.009	0	%100
43	C79	X	0	0	0	%100
44	C79	Z	-6.82	-6.82	0	%100
45	M76	X	0	0	0	%100
46	M76	Z	-5.426	-5.426	0	%100
47	M77	X	0	0	0	%100
48	M77	Z	-.187	-.187	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-7.148	-7.148	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	-7.148	-7.148	0	%100
53	MP1C	X	0	0	0	%100
54	MP1C	Z	-7.148	-7.148	0	%100
55	MP2A	X	0	0	0	%100
56	MP2A	Z	-7.148	-7.148	0	%100
57	MP2B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP2B	Z	-7.148	-7.148	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	-7.148	-7.148	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	-7.148	-7.148	0	%100
63	MP3B	X	0	0	0	%100
64	MP3B	Z	-7.148	-7.148	0	%100
65	MP3C	X	0	0	0	%100
66	MP3C	Z	-7.148	-7.148	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	-7.148	-7.148	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	-7.148	-7.148	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	-7.148	-7.148	0	%100
73	MP5A	X	0	0	0	%100
74	MP5A	Z	-8.652	-8.652	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	Z	-8.652	-8.652	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	-8.652	-8.652	0	%100
79	M82	X	0	0	0	%100
80	M82	Z	-.027	-.027	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	-6.067	-6.067	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	-5.131	-5.131	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	A1	X	.846	.846	0	%100
2	A1	Z	-1.466	-1.466	0	%100
3	A2	X	.846	.846	0	%100
4	A2	Z	-1.466	-1.466	0	%100
5	A5	X	2.922	2.922	0	%100
6	A5	Z	-5.062	-5.062	0	%100
7	A6	X	4.389	4.389	0	%100
8	A6	Z	-7.602	-7.602	0	%100
9	A7	X	2.68	2.68	0	%100
10	A7	Z	-4.642	-4.642	0	%100
11	A8	X	2.68	2.68	0	%100
12	A8	Z	-4.642	-4.642	0	%100
13	B26	X	3.386	3.386	0	%100
14	B26	Z	-5.864	-5.864	0	%100
15	B27	X	3.386	3.386	0	%100
16	B27	Z	-5.864	-5.864	0	%100
17	B30	X	2.922	2.922	0	%100
18	B30	Z	-5.062	-5.062	0	%100
19	B31	X	4.389	4.389	0	%100
20	B31	Z	-7.602	-7.602	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	.821	.821	0	%100
26	B80	Z	-1.422	-1.422	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,%]
27	B81	X	3.551	3.551	0	%100
28	B81	Z	-6.15	-6.15	0	%100
29	C51	X	1.399	1.399	0	%100
30	C51	Z	-2.423	-2.423	0	%100
31	C52	X	1.399	1.399	0	%100
32	C52	Z	-2.423	-2.423	0	%100
33	C55	X	2.922	2.922	0	%100
34	C55	Z	-5.062	-5.062	0	%100
35	C56	X	4.389	4.389	0	%100
36	C56	Z	-7.602	-7.602	0	%100
37	C57	X	2.097	2.097	0	%100
38	C57	Z	-3.632	-3.632	0	%100
39	C58	X	2.097	2.097	0	%100
40	C58	Z	-3.632	-3.632	0	%100
41	C78	X	3.429	3.429	0	%100
42	C78	Z	-5.939	-5.939	0	%100
43	C79	X	1.951	1.951	0	%100
44	C79	Z	-3.379	-3.379	0	%100
45	M76	X	.987	.987	0	%100
46	M76	Z	-1.709	-1.709	0	%100
47	M77	X	1.202	1.202	0	%100
48	M77	Z	-2.083	-2.083	0	%100
49	MP1A	X	3.574	3.574	0	%100
50	MP1A	Z	-6.19	-6.19	0	%100
51	MP1B	X	3.574	3.574	0	%100
52	MP1B	Z	-6.19	-6.19	0	%100
53	MP1C	X	3.574	3.574	0	%100
54	MP1C	Z	-6.19	-6.19	0	%100
55	MP2A	X	3.574	3.574	0	%100
56	MP2A	Z	-6.19	-6.19	0	%100
57	MP2B	X	3.574	3.574	0	%100
58	MP2B	Z	-6.19	-6.19	0	%100
59	MP2C	X	3.574	3.574	0	%100
60	MP2C	Z	-6.19	-6.19	0	%100
61	MP3A	X	3.574	3.574	0	%100
62	MP3A	Z	-6.19	-6.19	0	%100
63	MP3B	X	3.574	3.574	0	%100
64	MP3B	Z	-6.19	-6.19	0	%100
65	MP3C	X	3.574	3.574	0	%100
66	MP3C	Z	-6.19	-6.19	0	%100
67	MP4A	X	3.574	3.574	0	%100
68	MP4A	Z	-6.19	-6.19	0	%100
69	MP4B	X	3.574	3.574	0	%100
70	MP4B	Z	-6.19	-6.19	0	%100
71	MP4C	X	3.574	3.574	0	%100
72	MP4C	Z	-6.19	-6.19	0	%100
73	MP5A	X	4.326	4.326	0	%100
74	MP5A	Z	-7.493	-7.493	0	%100
75	MP5B	X	4.326	4.326	0	%100
76	MP5B	Z	-7.493	-7.493	0	%100
77	MP5C	X	4.326	4.326	0	%100
78	MP5C	Z	-7.493	-7.493	0	%100
79	M82	X	1.088	1.088	0	%100
80	M82	Z	-1.885	-1.885	0	%100
81	M83	X	3.519	3.519	0	%100
82	M83	Z	-6.095	-6.095	0	%100
83	M84	X	.889	.889	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,%]
84	M84	Z	-1.54	-1.54	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	A1	X	4.398	4.398	0	%100
2	A1	Z	-2.539	-2.539	0	%100
3	A2	X	4.398	4.398	0	%100
4	A2	Z	-2.539	-2.539	0	%100
5	A5	X	5.062	5.062	0	%100
6	A5	Z	-2.922	-2.922	0	%100
7	A6	X	7.602	7.602	0	%100
8	A6	Z	-4.389	-4.389	0	%100
9	A7	X	1.547	1.547	0	%100
10	A7	Z	-.893	-.893	0	%100
11	A8	X	1.547	1.547	0	%100
12	A8	Z	-.893	-.893	0	%100
13	B26	X	4.398	4.398	0	%100
14	B26	Z	-2.539	-2.539	0	%100
15	B27	X	4.398	4.398	0	%100
16	B27	Z	-2.539	-2.539	0	%100
17	B30	X	5.062	5.062	0	%100
18	B30	Z	-2.922	-2.922	0	%100
19	B31	X	7.602	7.602	0	%100
20	B31	Z	-4.389	-4.389	0	%100
21	B32	X	1.547	1.547	0	%100
22	B32	Z	-.893	-.893	0	%100
23	B33	X	1.547	1.547	0	%100
24	B33	Z	-.893	-.893	0	%100
25	B80	X	4.496	4.496	0	%100
26	B80	Z	-2.596	-2.596	0	%100
27	B81	X	4.23	4.23	0	%100
28	B81	Z	-2.442	-2.442	0	%100
29	C51	X	.177	.177	0	%100
30	C51	Z	-.102	-.102	0	%100
31	C52	X	.177	.177	0	%100
32	C52	Z	-.102	-.102	0	%100
33	C55	X	5.062	5.062	0	%100
34	C55	Z	-2.922	-2.922	0	%100
35	C56	X	7.602	7.602	0	%100
36	C56	Z	-4.389	-4.389	0	%100
37	C57	X	6.003	6.003	0	%100
38	C57	Z	-3.466	-3.466	0	%100
39	C58	X	6.003	6.003	0	%100
40	C58	Z	-3.466	-3.466	0	%100
41	C78	X	5.579	5.579	0	%100
42	C78	Z	-3.221	-3.221	0	%100
43	C79	X	.569	.569	0	%100
44	C79	Z	-.328	-.328	0	%100
45	M76	X	.211	.211	0	%100
46	M76	Z	-.122	-.122	0	%100
47	M77	X	5.077	5.077	0	%100
48	M77	Z	-2.931	-2.931	0	%100
49	MP1A	X	6.19	6.19	0	%100
50	MP1A	Z	-3.574	-3.574	0	%100
51	MP1B	X	6.19	6.19	0	%100
52	MP1B	Z	-3.574	-3.574	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,%]
53	MP1C	X	6.19	6.19	0	%100
54	MP1C	Z	-3.574	-3.574	0	%100
55	MP2A	X	6.19	6.19	0	%100
56	MP2A	Z	-3.574	-3.574	0	%100
57	MP2B	X	6.19	6.19	0	%100
58	MP2B	Z	-3.574	-3.574	0	%100
59	MP2C	X	6.19	6.19	0	%100
60	MP2C	Z	-3.574	-3.574	0	%100
61	MP3A	X	6.19	6.19	0	%100
62	MP3A	Z	-3.574	-3.574	0	%100
63	MP3B	X	6.19	6.19	0	%100
64	MP3B	Z	-3.574	-3.574	0	%100
65	MP3C	X	6.19	6.19	0	%100
66	MP3C	Z	-3.574	-3.574	0	%100
67	MP4A	X	6.19	6.19	0	%100
68	MP4A	Z	-3.574	-3.574	0	%100
69	MP4B	X	6.19	6.19	0	%100
70	MP4B	Z	-3.574	-3.574	0	%100
71	MP4C	X	6.19	6.19	0	%100
72	MP4C	Z	-3.574	-3.574	0	%100
73	MP5A	X	7.493	7.493	0	%100
74	MP5A	Z	-4.326	-4.326	0	%100
75	MP5B	X	7.493	7.493	0	%100
76	MP5B	Z	-4.326	-4.326	0	%100
77	MP5C	X	7.493	7.493	0	%100
78	MP5C	Z	-4.326	-4.326	0	%100
79	M82	X	4.957	4.957	0	%100
80	M82	Z	-2.862	-2.862	0	%100
81	M83	X	3.936	3.936	0	%100
82	M83	Z	-2.272	-2.272	0	%100
83	M84	X	.002	.002	0	%100
84	M84	Z	-.000992	-.000992	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	A1	X	6.771	6.771	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	6.771	6.771	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	5.845	5.845	0	%100
6	A5	Z	0	0	0	%100
7	A6	X	8.778	8.778	0	%100
8	A6	Z	0	0	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	0	0	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	0	0	0	%100
13	B26	X	1.693	1.693	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	1.693	1.693	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	5.845	5.845	0	%100
18	B30	Z	0	0	0	%100
19	B31	X	8.778	8.778	0	%100
20	B31	Z	0	0	0	%100
21	B32	X	5.361	5.361	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,%]
22	B32	Z	0	0	0	%100
23	B33	X	5.361	5.361	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	7.142	7.142	0	%100
26	B80	Z	0	0	0	%100
27	B81	X	1.427	1.427	0	%100
28	B81	Z	0	0	0	%100
29	C51	X	.792	.792	0	%100
30	C51	Z	0	0	0	%100
31	C52	X	.792	.792	0	%100
32	C52	Z	0	0	0	%100
33	C55	X	5.845	5.845	0	%100
34	C55	Z	0	0	0	%100
35	C56	X	8.778	8.778	0	%100
36	C56	Z	0	0	0	%100
37	C57	X	6.311	6.311	0	%100
38	C57	Z	0	0	0	%100
39	C58	X	6.311	6.311	0	%100
40	C58	Z	0	0	0	%100
41	C78	X	3.177	3.177	0	%100
42	C78	Z	0	0	0	%100
43	C79	X	.329	.329	0	%100
44	C79	Z	0	0	0	%100
45	M76	X	1.965	1.965	0	%100
46	M76	Z	0	0	0	%100
47	M77	X	7.102	7.102	0	%100
48	M77	Z	0	0	0	%100
49	MP1A	X	7.148	7.148	0	%100
50	MP1A	Z	0	0	0	%100
51	MP1B	X	7.148	7.148	0	%100
52	MP1B	Z	0	0	0	%100
53	MP1C	X	7.148	7.148	0	%100
54	MP1C	Z	0	0	0	%100
55	MP2A	X	7.148	7.148	0	%100
56	MP2A	Z	0	0	0	%100
57	MP2B	X	7.148	7.148	0	%100
58	MP2B	Z	0	0	0	%100
59	MP2C	X	7.148	7.148	0	%100
60	MP2C	Z	0	0	0	%100
61	MP3A	X	7.148	7.148	0	%100
62	MP3A	Z	0	0	0	%100
63	MP3B	X	7.148	7.148	0	%100
64	MP3B	Z	0	0	0	%100
65	MP3C	X	7.148	7.148	0	%100
66	MP3C	Z	0	0	0	%100
67	MP4A	X	7.148	7.148	0	%100
68	MP4A	Z	0	0	0	%100
69	MP4B	X	7.148	7.148	0	%100
70	MP4B	Z	0	0	0	%100
71	MP4C	X	7.148	7.148	0	%100
72	MP4C	Z	0	0	0	%100
73	MP5A	X	8.652	8.652	0	%100
74	MP5A	Z	0	0	0	%100
75	MP5B	X	8.652	8.652	0	%100
76	MP5B	Z	0	0	0	%100
77	MP5C	X	8.652	8.652	0	%100
78	MP5C	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,%]
79	M82	X	7.121	7.121	0	%100
80	M82	Z	0	0	0	%100
81	M83	X	1.08	1.08	0	%100
82	M83	Z	0	0	0	%100
83	M84	X	1.579	1.579	0	%100
84	M84	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	A1	X	4.398	4.398	0	%100
2	A1	Z	2.539	2.539	0	%100
3	A2	X	4.398	4.398	0	%100
4	A2	Z	2.539	2.539	0	%100
5	A5	X	5.062	5.062	0	%100
6	A5	Z	2.922	2.922	0	%100
7	A6	X	7.602	7.602	0	%100
8	A6	Z	4.389	4.389	0	%100
9	A7	X	1.547	1.547	0	%100
10	A7	Z	.893	.893	0	%100
11	A8	X	1.547	1.547	0	%100
12	A8	Z	.893	.893	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	5.062	5.062	0	%100
18	B30	Z	2.922	2.922	0	%100
19	B31	X	7.602	7.602	0	%100
20	B31	Z	4.389	4.389	0	%100
21	B32	X	6.19	6.19	0	%100
22	B32	Z	3.574	3.574	0	%100
23	B33	X	6.19	6.19	0	%100
24	B33	Z	3.574	3.574	0	%100
25	B80	X	4.801	4.801	0	%100
26	B80	Z	2.772	2.772	0	%100
27	B81	X	.162	.162	0	%100
28	B81	Z	.094	.094	0	%100
29	C51	X	3.441	3.441	0	%100
30	C51	Z	1.987	1.987	0	%100
31	C52	X	3.441	3.441	0	%100
32	C52	Z	1.987	1.987	0	%100
33	C55	X	5.062	5.062	0	%100
34	C55	Z	2.922	2.922	0	%100
35	C56	X	7.602	7.602	0	%100
36	C56	Z	4.389	4.389	0	%100
37	C57	X	2.558	2.558	0	%100
38	C57	Z	1.477	1.477	0	%100
39	C58	X	2.558	2.558	0	%100
40	C58	Z	1.477	1.477	0	%100
41	C78	X	.284	.284	0	%100
42	C78	Z	.164	.164	0	%100
43	C79	X	2.812	2.812	0	%100
44	C79	Z	1.623	1.623	0	%100
45	M76	X	4.691	4.691	0	%100
46	M76	Z	2.709	2.709	0	%100
47	M77	X	4.23	4.23	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,%]
48	M77	Z	2.442	2.442	0	%100
49	MP1A	X	6.19	6.19	0	%100
50	MP1A	Z	3.574	3.574	0	%100
51	MP1B	X	6.19	6.19	0	%100
52	MP1B	Z	3.574	3.574	0	%100
53	MP1C	X	6.19	6.19	0	%100
54	MP1C	Z	3.574	3.574	0	%100
55	MP2A	X	6.19	6.19	0	%100
56	MP2A	Z	3.574	3.574	0	%100
57	MP2B	X	6.19	6.19	0	%100
58	MP2B	Z	3.574	3.574	0	%100
59	MP2C	X	6.19	6.19	0	%100
60	MP2C	Z	3.574	3.574	0	%100
61	MP3A	X	6.19	6.19	0	%100
62	MP3A	Z	3.574	3.574	0	%100
63	MP3B	X	6.19	6.19	0	%100
64	MP3B	Z	3.574	3.574	0	%100
65	MP3C	X	6.19	6.19	0	%100
66	MP3C	Z	3.574	3.574	0	%100
67	MP4A	X	6.19	6.19	0	%100
68	MP4A	Z	3.574	3.574	0	%100
69	MP4B	X	6.19	6.19	0	%100
70	MP4B	Z	3.574	3.574	0	%100
71	MP4C	X	6.19	6.19	0	%100
72	MP4C	Z	3.574	3.574	0	%100
73	MP5A	X	7.493	7.493	0	%100
74	MP5A	Z	4.326	4.326	0	%100
75	MP5B	X	7.493	7.493	0	%100
76	MP5B	Z	4.326	4.326	0	%100
77	MP5C	X	7.493	7.493	0	%100
78	MP5C	Z	4.326	4.326	0	%100
79	M82	X	4.305	4.305	0	%100
80	M82	Z	2.486	2.486	0	%100
81	M83	X	.095	.095	0	%100
82	M83	Z	.055	.055	0	%100
83	M84	X	4.271	4.271	0	%100
84	M84	Z	2.466	2.466	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	A1	X	.846	.846	0	%100
2	A1	Z	1.466	1.466	0	%100
3	A2	X	.846	.846	0	%100
4	A2	Z	1.466	1.466	0	%100
5	A5	X	2.922	2.922	0	%100
6	A5	Z	5.062	5.062	0	%100
7	A6	X	4.389	4.389	0	%100
8	A6	Z	7.602	7.602	0	%100
9	A7	X	2.68	2.68	0	%100
10	A7	Z	4.642	4.642	0	%100
11	A8	X	2.68	2.68	0	%100
12	A8	Z	4.642	4.642	0	%100
13	B26	X	.846	.846	0	%100
14	B26	Z	1.466	1.466	0	%100
15	B27	X	.846	.846	0	%100
16	B27	Z	1.466	1.466	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,%]
17	B30	X	2.922	2.922	0	%100
18	B30	Z	5.062	5.062	0	%100
19	B31	X	4.389	4.389	0	%100
20	B31	Z	7.602	7.602	0	%100
21	B32	X	2.68	2.68	0	%100
22	B32	Z	4.642	4.642	0	%100
23	B33	X	2.68	2.68	0	%100
24	B33	Z	4.642	4.642	0	%100
25	B80	X	.998	.998	0	%100
26	B80	Z	1.728	1.728	0	%100
27	B81	X	1.202	1.202	0	%100
28	B81	Z	2.083	2.083	0	%100
29	C51	X	3.284	3.284	0	%100
30	C51	Z	5.687	5.687	0	%100
31	C52	X	3.284	3.284	0	%100
32	C52	Z	5.687	5.687	0	%100
33	C55	X	2.922	2.922	0	%100
34	C55	Z	5.062	5.062	0	%100
35	C56	X	4.389	4.389	0	%100
36	C56	Z	7.602	7.602	0	%100
37	C57	X	.108	.108	0	%100
38	C57	Z	.187	.187	0	%100
39	C58	X	.108	.108	0	%100
40	C58	Z	.187	.187	0	%100
41	C78	X	.372	.372	0	%100
42	C78	Z	.644	.644	0	%100
43	C79	X	3.246	3.246	0	%100
44	C79	Z	5.622	5.622	0	%100
45	M76	X	3.574	3.574	0	%100
46	M76	Z	6.19	6.19	0	%100
47	M77	X	.714	.714	0	%100
48	M77	Z	1.236	1.236	0	%100
49	MP1A	X	3.574	3.574	0	%100
50	MP1A	Z	6.19	6.19	0	%100
51	MP1B	X	3.574	3.574	0	%100
52	MP1B	Z	6.19	6.19	0	%100
53	MP1C	X	3.574	3.574	0	%100
54	MP1C	Z	6.19	6.19	0	%100
55	MP2A	X	3.574	3.574	0	%100
56	MP2A	Z	6.19	6.19	0	%100
57	MP2B	X	3.574	3.574	0	%100
58	MP2B	Z	6.19	6.19	0	%100
59	MP2C	X	3.574	3.574	0	%100
60	MP2C	Z	6.19	6.19	0	%100
61	MP3A	X	3.574	3.574	0	%100
62	MP3A	Z	6.19	6.19	0	%100
63	MP3B	X	3.574	3.574	0	%100
64	MP3B	Z	6.19	6.19	0	%100
65	MP3C	X	3.574	3.574	0	%100
66	MP3C	Z	6.19	6.19	0	%100
67	MP4A	X	3.574	3.574	0	%100
68	MP4A	Z	6.19	6.19	0	%100
69	MP4B	X	3.574	3.574	0	%100
70	MP4B	Z	6.19	6.19	0	%100
71	MP4C	X	3.574	3.574	0	%100
72	MP4C	Z	6.19	6.19	0	%100
73	MP5A	X	4.326	4.326	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,%]
74	MP5A	Z	7.493	7.493	0	%100
75	MP5B	X	4.326	4.326	0	%100
76	MP5B	Z	7.493	7.493	0	%100
77	MP5C	X	4.326	4.326	0	%100
78	MP5C	Z	7.493	7.493	0	%100
79	M82	X	.712	.712	0	%100
80	M82	Z	1.233	1.233	0	%100
81	M83	X	1.302	1.302	0	%100
82	M83	Z	2.254	2.254	0	%100
83	M84	X	3.354	3.354	0	%100
84	M84	Z	5.809	5.809	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	A1	X	0	0	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	0	0	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	0	0	0	%100
6	A5	Z	5.845	5.845	0	%100
7	A6	X	0	0	0	%100
8	A6	Z	8.778	8.778	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	7.148	7.148	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	7.148	7.148	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	5.079	5.079	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	5.079	5.079	0	%100
17	B30	X	0	0	0	%100
18	B30	Z	5.845	5.845	0	%100
19	B31	X	0	0	0	%100
20	B31	Z	8.778	8.778	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	1.787	1.787	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	1.787	1.787	0	%100
25	B80	X	0	0	0	%100
26	B80	Z	.044	.044	0	%100
27	B81	X	0	0	0	%100
28	B81	Z	5.862	5.862	0	%100
29	C51	X	0	0	0	%100
30	C51	Z	5.979	5.979	0	%100
31	C52	X	0	0	0	%100
32	C52	Z	5.979	5.979	0	%100
33	C55	X	0	0	0	%100
34	C55	Z	5.845	5.845	0	%100
35	C56	X	0	0	0	%100
36	C56	Z	8.778	8.778	0	%100
37	C57	X	0	0	0	%100
38	C57	Z	.836	.836	0	%100
39	C58	X	0	0	0	%100
40	C58	Z	.836	.836	0	%100
41	C78	X	0	0	0	%100
42	C78	Z	4.009	4.009	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,%]
43	C79	X	0	0	0	%100
44	C79	Z	6.82	6.82	0	%100
45	M76	X	0	0	0	%100
46	M76	Z	5.426	5.426	0	%100
47	M77	X	0	0	0	%100
48	M77	Z	.187	.187	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	7.148	7.148	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	7.148	7.148	0	%100
53	MP1C	X	0	0	0	%100
54	MP1C	Z	7.148	7.148	0	%100
55	MP2A	X	0	0	0	%100
56	MP2A	Z	7.148	7.148	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	7.148	7.148	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	7.148	7.148	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	7.148	7.148	0	%100
63	MP3B	X	0	0	0	%100
64	MP3B	Z	7.148	7.148	0	%100
65	MP3C	X	0	0	0	%100
66	MP3C	Z	7.148	7.148	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	7.148	7.148	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	7.148	7.148	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	7.148	7.148	0	%100
73	MP5A	X	0	0	0	%100
74	MP5A	Z	8.652	8.652	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	Z	8.652	8.652	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	8.652	8.652	0	%100
79	M82	X	0	0	0	%100
80	M82	Z	.027	.027	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	6.067	6.067	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	5.131	5.131	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	A1	X	-.846	-.846	0	%100
2	A1	Z	1.466	1.466	0	%100
3	A2	X	-.846	-.846	0	%100
4	A2	Z	1.466	1.466	0	%100
5	A5	X	-2.922	-2.922	0	%100
6	A5	Z	5.062	5.062	0	%100
7	A6	X	-4.389	-4.389	0	%100
8	A6	Z	7.602	7.602	0	%100
9	A7	X	-2.68	-2.68	0	%100
10	A7	Z	4.642	4.642	0	%100
11	A8	X	-2.68	-2.68	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,%]
12	A8	Z	4.642	4.642	0	%100
13	B26	X	-3.386	-3.386	0	%100
14	B26	Z	5.864	5.864	0	%100
15	B27	X	-3.386	-3.386	0	%100
16	B27	Z	5.864	5.864	0	%100
17	B30	X	-2.922	-2.922	0	%100
18	B30	Z	5.062	5.062	0	%100
19	B31	X	-4.389	-4.389	0	%100
20	B31	Z	7.602	7.602	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	-.821	-.821	0	%100
26	B80	Z	1.422	1.422	0	%100
27	B81	X	-3.551	-3.551	0	%100
28	B81	Z	6.15	6.15	0	%100
29	C51	X	-1.399	-1.399	0	%100
30	C51	Z	2.423	2.423	0	%100
31	C52	X	-1.399	-1.399	0	%100
32	C52	Z	2.423	2.423	0	%100
33	C55	X	-2.922	-2.922	0	%100
34	C55	Z	5.062	5.062	0	%100
35	C56	X	-4.389	-4.389	0	%100
36	C56	Z	7.602	7.602	0	%100
37	C57	X	-2.097	-2.097	0	%100
38	C57	Z	3.632	3.632	0	%100
39	C58	X	-2.097	-2.097	0	%100
40	C58	Z	3.632	3.632	0	%100
41	C78	X	-3.429	-3.429	0	%100
42	C78	Z	5.939	5.939	0	%100
43	C79	X	-1.951	-1.951	0	%100
44	C79	Z	3.379	3.379	0	%100
45	M76	X	-.987	-.987	0	%100
46	M76	Z	1.709	1.709	0	%100
47	M77	X	-1.202	-1.202	0	%100
48	M77	Z	2.083	2.083	0	%100
49	MP1A	X	-3.574	-3.574	0	%100
50	MP1A	Z	6.19	6.19	0	%100
51	MP1B	X	-3.574	-3.574	0	%100
52	MP1B	Z	6.19	6.19	0	%100
53	MP1C	X	-3.574	-3.574	0	%100
54	MP1C	Z	6.19	6.19	0	%100
55	MP2A	X	-3.574	-3.574	0	%100
56	MP2A	Z	6.19	6.19	0	%100
57	MP2B	X	-3.574	-3.574	0	%100
58	MP2B	Z	6.19	6.19	0	%100
59	MP2C	X	-3.574	-3.574	0	%100
60	MP2C	Z	6.19	6.19	0	%100
61	MP3A	X	-3.574	-3.574	0	%100
62	MP3A	Z	6.19	6.19	0	%100
63	MP3B	X	-3.574	-3.574	0	%100
64	MP3B	Z	6.19	6.19	0	%100
65	MP3C	X	-3.574	-3.574	0	%100
66	MP3C	Z	6.19	6.19	0	%100
67	MP4A	X	-3.574	-3.574	0	%100
68	MP4A	Z	6.19	6.19	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,%]
69	MP4B	X	-3.574	-3.574	0	%100
70	MP4B	Z	6.19	6.19	0	%100
71	MP4C	X	-3.574	-3.574	0	%100
72	MP4C	Z	6.19	6.19	0	%100
73	MP5A	X	-4.326	-4.326	0	%100
74	MP5A	Z	7.493	7.493	0	%100
75	MP5B	X	-4.326	-4.326	0	%100
76	MP5B	Z	7.493	7.493	0	%100
77	MP5C	X	-4.326	-4.326	0	%100
78	MP5C	Z	7.493	7.493	0	%100
79	M82	X	-1.088	-1.088	0	%100
80	M82	Z	1.885	1.885	0	%100
81	M83	X	-3.519	-3.519	0	%100
82	M83	Z	6.095	6.095	0	%100
83	M84	X	-.889	-.889	0	%100
84	M84	Z	1.54	1.54	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	A1	X	-4.398	-4.398	0	%100
2	A1	Z	2.539	2.539	0	%100
3	A2	X	-4.398	-4.398	0	%100
4	A2	Z	2.539	2.539	0	%100
5	A5	X	-5.062	-5.062	0	%100
6	A5	Z	2.922	2.922	0	%100
7	A6	X	-7.602	-7.602	0	%100
8	A6	Z	4.389	4.389	0	%100
9	A7	X	-1.547	-1.547	0	%100
10	A7	Z	.893	.893	0	%100
11	A8	X	-1.547	-1.547	0	%100
12	A8	Z	.893	.893	0	%100
13	B26	X	-4.398	-4.398	0	%100
14	B26	Z	2.539	2.539	0	%100
15	B27	X	-4.398	-4.398	0	%100
16	B27	Z	2.539	2.539	0	%100
17	B30	X	-5.062	-5.062	0	%100
18	B30	Z	2.922	2.922	0	%100
19	B31	X	-7.602	-7.602	0	%100
20	B31	Z	4.389	4.389	0	%100
21	B32	X	-1.547	-1.547	0	%100
22	B32	Z	.893	.893	0	%100
23	B33	X	-1.547	-1.547	0	%100
24	B33	Z	.893	.893	0	%100
25	B80	X	-4.496	-4.496	0	%100
26	B80	Z	2.596	2.596	0	%100
27	B81	X	-4.23	-4.23	0	%100
28	B81	Z	2.442	2.442	0	%100
29	C51	X	-.177	-.177	0	%100
30	C51	Z	.102	.102	0	%100
31	C52	X	-.177	-.177	0	%100
32	C52	Z	.102	.102	0	%100
33	C55	X	-5.062	-5.062	0	%100
34	C55	Z	2.922	2.922	0	%100
35	C56	X	-7.602	-7.602	0	%100
36	C56	Z	4.389	4.389	0	%100
37	C57	X	-6.003	-6.003	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,%]
38	C57	Z	3.466	3.466	0	%100
39	C58	X	-6.003	-6.003	0	%100
40	C58	Z	3.466	3.466	0	%100
41	C78	X	-5.579	-5.579	0	%100
42	C78	Z	3.221	3.221	0	%100
43	C79	X	-.569	-.569	0	%100
44	C79	Z	.328	.328	0	%100
45	M76	X	-.211	-.211	0	%100
46	M76	Z	.122	.122	0	%100
47	M77	X	-5.077	-5.077	0	%100
48	M77	Z	2.931	2.931	0	%100
49	MP1A	X	-6.19	-6.19	0	%100
50	MP1A	Z	3.574	3.574	0	%100
51	MP1B	X	-6.19	-6.19	0	%100
52	MP1B	Z	3.574	3.574	0	%100
53	MP1C	X	-6.19	-6.19	0	%100
54	MP1C	Z	3.574	3.574	0	%100
55	MP2A	X	-6.19	-6.19	0	%100
56	MP2A	Z	3.574	3.574	0	%100
57	MP2B	X	-6.19	-6.19	0	%100
58	MP2B	Z	3.574	3.574	0	%100
59	MP2C	X	-6.19	-6.19	0	%100
60	MP2C	Z	3.574	3.574	0	%100
61	MP3A	X	-6.19	-6.19	0	%100
62	MP3A	Z	3.574	3.574	0	%100
63	MP3B	X	-6.19	-6.19	0	%100
64	MP3B	Z	3.574	3.574	0	%100
65	MP3C	X	-6.19	-6.19	0	%100
66	MP3C	Z	3.574	3.574	0	%100
67	MP4A	X	-6.19	-6.19	0	%100
68	MP4A	Z	3.574	3.574	0	%100
69	MP4B	X	-6.19	-6.19	0	%100
70	MP4B	Z	3.574	3.574	0	%100
71	MP4C	X	-6.19	-6.19	0	%100
72	MP4C	Z	3.574	3.574	0	%100
73	MP5A	X	-7.493	-7.493	0	%100
74	MP5A	Z	4.326	4.326	0	%100
75	MP5B	X	-7.493	-7.493	0	%100
76	MP5B	Z	4.326	4.326	0	%100
77	MP5C	X	-7.493	-7.493	0	%100
78	MP5C	Z	4.326	4.326	0	%100
79	M82	X	-4.957	-4.957	0	%100
80	M82	Z	2.862	2.862	0	%100
81	M83	X	-3.936	-3.936	0	%100
82	M83	Z	2.272	2.272	0	%100
83	M84	X	-.002	-.002	0	%100
84	M84	Z	.000992	.000992	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	A1	X	-6.771	-6.771	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	-6.771	-6.771	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	-5.845	-5.845	0	%100
6	A5	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,%]
7	A6	X	-8.778	-8.778	0	%100
8	A6	Z	0	0	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	0	0	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	0	0	0	%100
13	B26	X	-1.693	-1.693	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	-1.693	-1.693	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	-5.845	-5.845	0	%100
18	B30	Z	0	0	0	%100
19	B31	X	-8.778	-8.778	0	%100
20	B31	Z	0	0	0	%100
21	B32	X	-5.361	-5.361	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	-5.361	-5.361	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	-7.142	-7.142	0	%100
26	B80	Z	0	0	0	%100
27	B81	X	-1.427	-1.427	0	%100
28	B81	Z	0	0	0	%100
29	C51	X	-.792	-.792	0	%100
30	C51	Z	0	0	0	%100
31	C52	X	-.792	-.792	0	%100
32	C52	Z	0	0	0	%100
33	C55	X	-5.845	-5.845	0	%100
34	C55	Z	0	0	0	%100
35	C56	X	-8.778	-8.778	0	%100
36	C56	Z	0	0	0	%100
37	C57	X	-6.311	-6.311	0	%100
38	C57	Z	0	0	0	%100
39	C58	X	-6.311	-6.311	0	%100
40	C58	Z	0	0	0	%100
41	C78	X	-3.177	-3.177	0	%100
42	C78	Z	0	0	0	%100
43	C79	X	-.329	-.329	0	%100
44	C79	Z	0	0	0	%100
45	M76	X	-1.965	-1.965	0	%100
46	M76	Z	0	0	0	%100
47	M77	X	-7.102	-7.102	0	%100
48	M77	Z	0	0	0	%100
49	MP1A	X	-7.148	-7.148	0	%100
50	MP1A	Z	0	0	0	%100
51	MP1B	X	-7.148	-7.148	0	%100
52	MP1B	Z	0	0	0	%100
53	MP1C	X	-7.148	-7.148	0	%100
54	MP1C	Z	0	0	0	%100
55	MP2A	X	-7.148	-7.148	0	%100
56	MP2A	Z	0	0	0	%100
57	MP2B	X	-7.148	-7.148	0	%100
58	MP2B	Z	0	0	0	%100
59	MP2C	X	-7.148	-7.148	0	%100
60	MP2C	Z	0	0	0	%100
61	MP3A	X	-7.148	-7.148	0	%100
62	MP3A	Z	0	0	0	%100
63	MP3B	X	-7.148	-7.148	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,%]
64	MP3B	Z	0	0	0	%100
65	MP3C	X	-7.148	-7.148	0	%100
66	MP3C	Z	0	0	0	%100
67	MP4A	X	-7.148	-7.148	0	%100
68	MP4A	Z	0	0	0	%100
69	MP4B	X	-7.148	-7.148	0	%100
70	MP4B	Z	0	0	0	%100
71	MP4C	X	-7.148	-7.148	0	%100
72	MP4C	Z	0	0	0	%100
73	MP5A	X	-8.652	-8.652	0	%100
74	MP5A	Z	0	0	0	%100
75	MP5B	X	-8.652	-8.652	0	%100
76	MP5B	Z	0	0	0	%100
77	MP5C	X	-8.652	-8.652	0	%100
78	MP5C	Z	0	0	0	%100
79	M82	X	-7.121	-7.121	0	%100
80	M82	Z	0	0	0	%100
81	M83	X	-1.08	-1.08	0	%100
82	M83	Z	0	0	0	%100
83	M84	X	-1.579	-1.579	0	%100
84	M84	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	A1	X	-4.398	-4.398	0	%100
2	A1	Z	-2.539	-2.539	0	%100
3	A2	X	-4.398	-4.398	0	%100
4	A2	Z	-2.539	-2.539	0	%100
5	A5	X	-5.062	-5.062	0	%100
6	A5	Z	-2.922	-2.922	0	%100
7	A6	X	-7.602	-7.602	0	%100
8	A6	Z	-4.389	-4.389	0	%100
9	A7	X	-1.547	-1.547	0	%100
10	A7	Z	-.893	-.893	0	%100
11	A8	X	-1.547	-1.547	0	%100
12	A8	Z	-.893	-.893	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	-5.062	-5.062	0	%100
18	B30	Z	-2.922	-2.922	0	%100
19	B31	X	-7.602	-7.602	0	%100
20	B31	Z	-4.389	-4.389	0	%100
21	B32	X	-6.19	-6.19	0	%100
22	B32	Z	-3.574	-3.574	0	%100
23	B33	X	-6.19	-6.19	0	%100
24	B33	Z	-3.574	-3.574	0	%100
25	B80	X	-4.801	-4.801	0	%100
26	B80	Z	-2.772	-2.772	0	%100
27	B81	X	-.162	-.162	0	%100
28	B81	Z	-.094	-.094	0	%100
29	C51	X	-3.441	-3.441	0	%100
30	C51	Z	-1.987	-1.987	0	%100
31	C52	X	-3.441	-3.441	0	%100
32	C52	Z	-1.987	-1.987	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,%]
33	C55	X	-5.062	-5.062	0	%100
34	C55	Z	-2.922	-2.922	0	%100
35	C56	X	-7.602	-7.602	0	%100
36	C56	Z	-4.389	-4.389	0	%100
37	C57	X	-2.558	-2.558	0	%100
38	C57	Z	-1.477	-1.477	0	%100
39	C58	X	-2.558	-2.558	0	%100
40	C58	Z	-1.477	-1.477	0	%100
41	C78	X	-.284	-.284	0	%100
42	C78	Z	-.164	-.164	0	%100
43	C79	X	-2.812	-2.812	0	%100
44	C79	Z	-1.623	-1.623	0	%100
45	M76	X	-4.691	-4.691	0	%100
46	M76	Z	-2.709	-2.709	0	%100
47	M77	X	-4.23	-4.23	0	%100
48	M77	Z	-2.442	-2.442	0	%100
49	MP1A	X	-6.19	-6.19	0	%100
50	MP1A	Z	-3.574	-3.574	0	%100
51	MP1B	X	-6.19	-6.19	0	%100
52	MP1B	Z	-3.574	-3.574	0	%100
53	MP1C	X	-6.19	-6.19	0	%100
54	MP1C	Z	-3.574	-3.574	0	%100
55	MP2A	X	-6.19	-6.19	0	%100
56	MP2A	Z	-3.574	-3.574	0	%100
57	MP2B	X	-6.19	-6.19	0	%100
58	MP2B	Z	-3.574	-3.574	0	%100
59	MP2C	X	-6.19	-6.19	0	%100
60	MP2C	Z	-3.574	-3.574	0	%100
61	MP3A	X	-6.19	-6.19	0	%100
62	MP3A	Z	-3.574	-3.574	0	%100
63	MP3B	X	-6.19	-6.19	0	%100
64	MP3B	Z	-3.574	-3.574	0	%100
65	MP3C	X	-6.19	-6.19	0	%100
66	MP3C	Z	-3.574	-3.574	0	%100
67	MP4A	X	-6.19	-6.19	0	%100
68	MP4A	Z	-3.574	-3.574	0	%100
69	MP4B	X	-6.19	-6.19	0	%100
70	MP4B	Z	-3.574	-3.574	0	%100
71	MP4C	X	-6.19	-6.19	0	%100
72	MP4C	Z	-3.574	-3.574	0	%100
73	MP5A	X	-7.493	-7.493	0	%100
74	MP5A	Z	-4.326	-4.326	0	%100
75	MP5B	X	-7.493	-7.493	0	%100
76	MP5B	Z	-4.326	-4.326	0	%100
77	MP5C	X	-7.493	-7.493	0	%100
78	MP5C	Z	-4.326	-4.326	0	%100
79	M82	X	-4.305	-4.305	0	%100
80	M82	Z	-2.486	-2.486	0	%100
81	M83	X	-.095	-.095	0	%100
82	M83	Z	-.055	-.055	0	%100
83	M84	X	-4.271	-4.271	0	%100
84	M84	Z	-2.466	-2.466	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	A1	X	-.846	-.846	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,%]
2	A1	Z	-1.466	-1.466	0	%100
3	A2	X	-.846	-.846	0	%100
4	A2	Z	-1.466	-1.466	0	%100
5	A5	X	-2.922	-2.922	0	%100
6	A5	Z	-5.062	-5.062	0	%100
7	A6	X	-4.389	-4.389	0	%100
8	A6	Z	-7.602	-7.602	0	%100
9	A7	X	-2.68	-2.68	0	%100
10	A7	Z	-4.642	-4.642	0	%100
11	A8	X	-2.68	-2.68	0	%100
12	A8	Z	-4.642	-4.642	0	%100
13	B26	X	-.846	-.846	0	%100
14	B26	Z	-1.466	-1.466	0	%100
15	B27	X	-.846	-.846	0	%100
16	B27	Z	-1.466	-1.466	0	%100
17	B30	X	-2.922	-2.922	0	%100
18	B30	Z	-5.062	-5.062	0	%100
19	B31	X	-4.389	-4.389	0	%100
20	B31	Z	-7.602	-7.602	0	%100
21	B32	X	-2.68	-2.68	0	%100
22	B32	Z	-4.642	-4.642	0	%100
23	B33	X	-2.68	-2.68	0	%100
24	B33	Z	-4.642	-4.642	0	%100
25	B80	X	-.998	-.998	0	%100
26	B80	Z	-1.728	-1.728	0	%100
27	B81	X	-1.202	-1.202	0	%100
28	B81	Z	-2.083	-2.083	0	%100
29	C51	X	-3.284	-3.284	0	%100
30	C51	Z	-5.687	-5.687	0	%100
31	C52	X	-3.284	-3.284	0	%100
32	C52	Z	-5.687	-5.687	0	%100
33	C55	X	-2.922	-2.922	0	%100
34	C55	Z	-5.062	-5.062	0	%100
35	C56	X	-4.389	-4.389	0	%100
36	C56	Z	-7.602	-7.602	0	%100
37	C57	X	-.108	-.108	0	%100
38	C57	Z	-.187	-.187	0	%100
39	C58	X	-.108	-.108	0	%100
40	C58	Z	-.187	-.187	0	%100
41	C78	X	-.372	-.372	0	%100
42	C78	Z	-.644	-.644	0	%100
43	C79	X	-3.246	-3.246	0	%100
44	C79	Z	-5.622	-5.622	0	%100
45	M76	X	-3.574	-3.574	0	%100
46	M76	Z	-6.19	-6.19	0	%100
47	M77	X	-.714	-.714	0	%100
48	M77	Z	-1.236	-1.236	0	%100
49	MP1A	X	-3.574	-3.574	0	%100
50	MP1A	Z	-6.19	-6.19	0	%100
51	MP1B	X	-3.574	-3.574	0	%100
52	MP1B	Z	-6.19	-6.19	0	%100
53	MP1C	X	-3.574	-3.574	0	%100
54	MP1C	Z	-6.19	-6.19	0	%100
55	MP2A	X	-3.574	-3.574	0	%100
56	MP2A	Z	-6.19	-6.19	0	%100
57	MP2B	X	-3.574	-3.574	0	%100
58	MP2B	Z	-6.19	-6.19	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,%]
59	MP2C	X	-3.574	-3.574	0	%100
60	MP2C	Z	-6.19	-6.19	0	%100
61	MP3A	X	-3.574	-3.574	0	%100
62	MP3A	Z	-6.19	-6.19	0	%100
63	MP3B	X	-3.574	-3.574	0	%100
64	MP3B	Z	-6.19	-6.19	0	%100
65	MP3C	X	-3.574	-3.574	0	%100
66	MP3C	Z	-6.19	-6.19	0	%100
67	MP4A	X	-3.574	-3.574	0	%100
68	MP4A	Z	-6.19	-6.19	0	%100
69	MP4B	X	-3.574	-3.574	0	%100
70	MP4B	Z	-6.19	-6.19	0	%100
71	MP4C	X	-3.574	-3.574	0	%100
72	MP4C	Z	-6.19	-6.19	0	%100
73	MP5A	X	-4.326	-4.326	0	%100
74	MP5A	Z	-7.493	-7.493	0	%100
75	MP5B	X	-4.326	-4.326	0	%100
76	MP5B	Z	-7.493	-7.493	0	%100
77	MP5C	X	-4.326	-4.326	0	%100
78	MP5C	Z	-7.493	-7.493	0	%100
79	M82	X	-.712	-.712	0	%100
80	M82	Z	-1.233	-1.233	0	%100
81	M83	X	-1.302	-1.302	0	%100
82	M83	Z	-2.254	-2.254	0	%100
83	M84	X	-3.354	-3.354	0	%100
84	M84	Z	-5.809	-5.809	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	A1	X	0	0	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	0	0	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	0	0	0	%100
6	A5	Z	-1.999	-1.999	0	%100
7	A6	X	0	0	0	%100
8	A6	Z	-2.702	-2.702	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	-2.418	-2.418	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	-2.418	-2.418	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	-1.511	-1.511	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	-1.511	-1.511	0	%100
17	B30	X	0	0	0	%100
18	B30	Z	-1.999	-1.999	0	%100
19	B31	X	0	0	0	%100
20	B31	Z	-2.702	-2.702	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	-.604	-.604	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	-.604	-.604	0	%100
25	B80	X	0	0	0	%100
26	B80	Z	-.015	-.015	0	%100
27	B81	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	B81	Z	-1.983	-1.983	0	%100
29	C51	X	0	0	0	%100
30	C51	Z	-1.779	-1.779	0	%100
31	C52	X	0	0	0	%100
32	C52	Z	-1.779	-1.779	0	%100
33	C55	X	0	0	0	%100
34	C55	Z	-1.999	-1.999	0	%100
35	C56	X	0	0	0	%100
36	C56	Z	-2.702	-2.702	0	%100
37	C57	X	0	0	0	%100
38	C57	Z	-.283	-.283	0	%100
39	C58	X	0	0	0	%100
40	C58	Z	-.283	-.283	0	%100
41	C78	X	0	0	0	%100
42	C78	Z	-1.356	-1.356	0	%100
43	C79	X	0	0	0	%100
44	C79	Z	-2.307	-2.307	0	%100
45	M76	X	0	0	0	%100
46	M76	Z	-1.835	-1.835	0	%100
47	M77	X	0	0	0	%100
48	M77	Z	-.063	-.063	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-2.418	-2.418	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	-2.418	-2.418	0	%100
53	MP1C	X	0	0	0	%100
54	MP1C	Z	-2.418	-2.418	0	%100
55	MP2A	X	0	0	0	%100
56	MP2A	Z	-2.418	-2.418	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	-2.418	-2.418	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	-2.418	-2.418	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	-2.418	-2.418	0	%100
63	MP3B	X	0	0	0	%100
64	MP3B	Z	-2.418	-2.418	0	%100
65	MP3C	X	0	0	0	%100
66	MP3C	Z	-2.418	-2.418	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	-2.418	-2.418	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	-2.418	-2.418	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	-2.418	-2.418	0	%100
73	MP5A	X	0	0	0	%100
74	MP5A	Z	-2.681	-2.681	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	Z	-2.681	-2.681	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	-2.681	-2.681	0	%100
79	M82	X	0	0	0	%100
80	M82	Z	-.009	-.009	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	-2.052	-2.052	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	-1.76	-1.76	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	A1	X	.252	.252	0	%100
2	A1	Z	-.436	-.436	0	%100
3	A2	X	.252	.252	0	%100
4	A2	Z	-.436	-.436	0	%100
5	A5	X	1	1	0	%100
6	A5	Z	-1.731	-1.731	0	%100
7	A6	X	1.351	1.351	0	%100
8	A6	Z	-2.34	-2.34	0	%100
9	A7	X	.907	.907	0	%100
10	A7	Z	-1.57	-1.57	0	%100
11	A8	X	.907	.907	0	%100
12	A8	Z	-1.57	-1.57	0	%100
13	B26	X	1.008	1.008	0	%100
14	B26	Z	-1.745	-1.745	0	%100
15	B27	X	1.008	1.008	0	%100
16	B27	Z	-1.745	-1.745	0	%100
17	B30	X	1	1	0	%100
18	B30	Z	-1.731	-1.731	0	%100
19	B31	X	1.351	1.351	0	%100
20	B31	Z	-2.34	-2.34	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	.278	.278	0	%100
26	B80	Z	-.481	-.481	0	%100
27	B81	X	1.201	1.201	0	%100
28	B81	Z	-2.08	-2.08	0	%100
29	C51	X	.416	.416	0	%100
30	C51	Z	-.721	-.721	0	%100
31	C52	X	.416	.416	0	%100
32	C52	Z	-.721	-.721	0	%100
33	C55	X	1	1	0	%100
34	C55	Z	-1.731	-1.731	0	%100
35	C56	X	1.351	1.351	0	%100
36	C56	Z	-2.34	-2.34	0	%100
37	C57	X	.709	.709	0	%100
38	C57	Z	-1.229	-1.229	0	%100
39	C58	X	.709	.709	0	%100
40	C58	Z	-1.229	-1.229	0	%100
41	C78	X	1.16	1.16	0	%100
42	C78	Z	-2.009	-2.009	0	%100
43	C79	X	.66	.66	0	%100
44	C79	Z	-1.143	-1.143	0	%100
45	M76	X	.334	.334	0	%100
46	M76	Z	-.578	-.578	0	%100
47	M77	X	.407	.407	0	%100
48	M77	Z	-.705	-.705	0	%100
49	MP1A	X	1.209	1.209	0	%100
50	MP1A	Z	-2.094	-2.094	0	%100
51	MP1B	X	1.209	1.209	0	%100
52	MP1B	Z	-2.094	-2.094	0	%100
53	MP1C	X	1.209	1.209	0	%100
54	MP1C	Z	-2.094	-2.094	0	%100
55	MP2A	X	1.209	1.209	0	%100
56	MP2A	Z	-2.094	-2.094	0	%100
57	MP2B	X	1.209	1.209	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,%]
58	MP2B	Z	-2.094	-2.094	0	%100
59	MP2C	X	1.209	1.209	0	%100
60	MP2C	Z	-2.094	-2.094	0	%100
61	MP3A	X	1.209	1.209	0	%100
62	MP3A	Z	-2.094	-2.094	0	%100
63	MP3B	X	1.209	1.209	0	%100
64	MP3B	Z	-2.094	-2.094	0	%100
65	MP3C	X	1.209	1.209	0	%100
66	MP3C	Z	-2.094	-2.094	0	%100
67	MP4A	X	1.209	1.209	0	%100
68	MP4A	Z	-2.094	-2.094	0	%100
69	MP4B	X	1.209	1.209	0	%100
70	MP4B	Z	-2.094	-2.094	0	%100
71	MP4C	X	1.209	1.209	0	%100
72	MP4C	Z	-2.094	-2.094	0	%100
73	MP5A	X	1.34	1.34	0	%100
74	MP5A	Z	-2.321	-2.321	0	%100
75	MP5B	X	1.34	1.34	0	%100
76	MP5B	Z	-2.321	-2.321	0	%100
77	MP5C	X	1.34	1.34	0	%100
78	MP5C	Z	-2.321	-2.321	0	%100
79	M82	X	.368	.368	0	%100
80	M82	Z	-.638	-.638	0	%100
81	M83	X	1.19	1.19	0	%100
82	M83	Z	-2.062	-2.062	0	%100
83	M84	X	.305	.305	0	%100
84	M84	Z	-.528	-.528	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	A1	X	1.309	1.309	0	%100
2	A1	Z	-.756	-.756	0	%100
3	A2	X	1.309	1.309	0	%100
4	A2	Z	-.756	-.756	0	%100
5	A5	X	1.731	1.731	0	%100
6	A5	Z	-1	-1	0	%100
7	A6	X	2.34	2.34	0	%100
8	A6	Z	-1.351	-1.351	0	%100
9	A7	X	.523	.523	0	%100
10	A7	Z	-.302	-.302	0	%100
11	A8	X	.523	.523	0	%100
12	A8	Z	-.302	-.302	0	%100
13	B26	X	1.309	1.309	0	%100
14	B26	Z	-.756	-.756	0	%100
15	B27	X	1.309	1.309	0	%100
16	B27	Z	-.756	-.756	0	%100
17	B30	X	1.731	1.731	0	%100
18	B30	Z	-1	-1	0	%100
19	B31	X	2.34	2.34	0	%100
20	B31	Z	-1.351	-1.351	0	%100
21	B32	X	.523	.523	0	%100
22	B32	Z	-.302	-.302	0	%100
23	B33	X	.523	.523	0	%100
24	B33	Z	-.302	-.302	0	%100
25	B80	X	1.521	1.521	0	%100
26	B80	Z	-.878	-.878	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,%]
27	B81	X	1.431	1.431	0	%100
28	B81	Z	-.826	-.826	0	%100
29	C51	X	.053	.053	0	%100
30	C51	Z	-.03	-.03	0	%100
31	C52	X	.053	.053	0	%100
32	C52	Z	-.03	-.03	0	%100
33	C55	X	1.731	1.731	0	%100
34	C55	Z	-1	-1	0	%100
35	C56	X	2.34	2.34	0	%100
36	C56	Z	-1.351	-1.351	0	%100
37	C57	X	2.031	2.031	0	%100
38	C57	Z	-1.172	-1.172	0	%100
39	C58	X	2.031	2.031	0	%100
40	C58	Z	-1.172	-1.172	0	%100
41	C78	X	1.887	1.887	0	%100
42	C78	Z	-1.09	-1.09	0	%100
43	C79	X	.192	.192	0	%100
44	C79	Z	-.111	-.111	0	%100
45	M76	X	.071	.071	0	%100
46	M76	Z	-.041	-.041	0	%100
47	M77	X	1.717	1.717	0	%100
48	M77	Z	-.991	-.991	0	%100
49	MP1A	X	2.094	2.094	0	%100
50	MP1A	Z	-1.209	-1.209	0	%100
51	MP1B	X	2.094	2.094	0	%100
52	MP1B	Z	-1.209	-1.209	0	%100
53	MP1C	X	2.094	2.094	0	%100
54	MP1C	Z	-1.209	-1.209	0	%100
55	MP2A	X	2.094	2.094	0	%100
56	MP2A	Z	-1.209	-1.209	0	%100
57	MP2B	X	2.094	2.094	0	%100
58	MP2B	Z	-1.209	-1.209	0	%100
59	MP2C	X	2.094	2.094	0	%100
60	MP2C	Z	-1.209	-1.209	0	%100
61	MP3A	X	2.094	2.094	0	%100
62	MP3A	Z	-1.209	-1.209	0	%100
63	MP3B	X	2.094	2.094	0	%100
64	MP3B	Z	-1.209	-1.209	0	%100
65	MP3C	X	2.094	2.094	0	%100
66	MP3C	Z	-1.209	-1.209	0	%100
67	MP4A	X	2.094	2.094	0	%100
68	MP4A	Z	-1.209	-1.209	0	%100
69	MP4B	X	2.094	2.094	0	%100
70	MP4B	Z	-1.209	-1.209	0	%100
71	MP4C	X	2.094	2.094	0	%100
72	MP4C	Z	-1.209	-1.209	0	%100
73	MP5A	X	2.321	2.321	0	%100
74	MP5A	Z	-1.34	-1.34	0	%100
75	MP5B	X	2.321	2.321	0	%100
76	MP5B	Z	-1.34	-1.34	0	%100
77	MP5C	X	2.321	2.321	0	%100
78	MP5C	Z	-1.34	-1.34	0	%100
79	M82	X	1.677	1.677	0	%100
80	M82	Z	-.968	-.968	0	%100
81	M83	X	1.331	1.331	0	%100
82	M83	Z	-.769	-.769	0	%100
83	M84	X	.000589	.000589	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,%]
84	M84	Z	-.00034	-.00034	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	A1	X	2.015	2.015	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	2.015	2.015	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	1.999	1.999	0	%100
6	A5	Z	0	0	0	%100
7	A6	X	2.702	2.702	0	%100
8	A6	Z	0	0	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	0	0	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	0	0	0	%100
13	B26	X	.504	.504	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	.504	.504	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	1.999	1.999	0	%100
18	B30	Z	0	0	0	%100
19	B31	X	2.702	2.702	0	%100
20	B31	Z	0	0	0	%100
21	B32	X	1.813	1.813	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	1.813	1.813	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	2.416	2.416	0	%100
26	B80	Z	0	0	0	%100
27	B81	X	.483	.483	0	%100
28	B81	Z	0	0	0	%100
29	C51	X	.236	.236	0	%100
30	C51	Z	0	0	0	%100
31	C52	X	.236	.236	0	%100
32	C52	Z	0	0	0	%100
33	C55	X	1.999	1.999	0	%100
34	C55	Z	0	0	0	%100
35	C56	X	2.702	2.702	0	%100
36	C56	Z	0	0	0	%100
37	C57	X	2.135	2.135	0	%100
38	C57	Z	0	0	0	%100
39	C58	X	2.135	2.135	0	%100
40	C58	Z	0	0	0	%100
41	C78	X	1.075	1.075	0	%100
42	C78	Z	0	0	0	%100
43	C79	X	.111	.111	0	%100
44	C79	Z	0	0	0	%100
45	M76	X	.665	.665	0	%100
46	M76	Z	0	0	0	%100
47	M77	X	2.402	2.402	0	%100
48	M77	Z	0	0	0	%100
49	MP1A	X	2.418	2.418	0	%100
50	MP1A	Z	0	0	0	%100
51	MP1B	X	2.418	2.418	0	%100
52	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,%]
53	MP1C	X	2.418	2.418	0	%100
54	MP1C	Z	0	0	0	%100
55	MP2A	X	2.418	2.418	0	%100
56	MP2A	Z	0	0	0	%100
57	MP2B	X	2.418	2.418	0	%100
58	MP2B	Z	0	0	0	%100
59	MP2C	X	2.418	2.418	0	%100
60	MP2C	Z	0	0	0	%100
61	MP3A	X	2.418	2.418	0	%100
62	MP3A	Z	0	0	0	%100
63	MP3B	X	2.418	2.418	0	%100
64	MP3B	Z	0	0	0	%100
65	MP3C	X	2.418	2.418	0	%100
66	MP3C	Z	0	0	0	%100
67	MP4A	X	2.418	2.418	0	%100
68	MP4A	Z	0	0	0	%100
69	MP4B	X	2.418	2.418	0	%100
70	MP4B	Z	0	0	0	%100
71	MP4C	X	2.418	2.418	0	%100
72	MP4C	Z	0	0	0	%100
73	MP5A	X	2.681	2.681	0	%100
74	MP5A	Z	0	0	0	%100
75	MP5B	X	2.681	2.681	0	%100
76	MP5B	Z	0	0	0	%100
77	MP5C	X	2.681	2.681	0	%100
78	MP5C	Z	0	0	0	%100
79	M82	X	2.409	2.409	0	%100
80	M82	Z	0	0	0	%100
81	M83	X	.365	.365	0	%100
82	M83	Z	0	0	0	%100
83	M84	X	.541	.541	0	%100
84	M84	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	A1	X	1.309	1.309	0	%100
2	A1	Z	.756	.756	0	%100
3	A2	X	1.309	1.309	0	%100
4	A2	Z	.756	.756	0	%100
5	A5	X	1.731	1.731	0	%100
6	A5	Z	1	1	0	%100
7	A6	X	2.34	2.34	0	%100
8	A6	Z	1.351	1.351	0	%100
9	A7	X	.523	.523	0	%100
10	A7	Z	.302	.302	0	%100
11	A8	X	.523	.523	0	%100
12	A8	Z	.302	.302	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	1.731	1.731	0	%100
18	B30	Z	1	1	0	%100
19	B31	X	2.34	2.34	0	%100
20	B31	Z	1.351	1.351	0	%100
21	B32	X	2.094	2.094	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,%]
22	B32	Z	1.209	1.209	0	%100
23	B33	X	2.094	2.094	0	%100
24	B33	Z	1.209	1.209	0	%100
25	B80	X	1.624	1.624	0	%100
26	B80	Z	.938	.938	0	%100
27	B81	X	.055	.055	0	%100
28	B81	Z	.032	.032	0	%100
29	C51	X	1.024	1.024	0	%100
30	C51	Z	.591	.591	0	%100
31	C52	X	1.024	1.024	0	%100
32	C52	Z	.591	.591	0	%100
33	C55	X	1.731	1.731	0	%100
34	C55	Z	1	1	0	%100
35	C56	X	2.34	2.34	0	%100
36	C56	Z	1.351	1.351	0	%100
37	C57	X	.865	.865	0	%100
38	C57	Z	.499	.499	0	%100
39	C58	X	.865	.865	0	%100
40	C58	Z	.499	.499	0	%100
41	C78	X	.096	.096	0	%100
42	C78	Z	.055	.055	0	%100
43	C79	X	.951	.951	0	%100
44	C79	Z	.549	.549	0	%100
45	M76	X	1.587	1.587	0	%100
46	M76	Z	.916	.916	0	%100
47	M77	X	1.431	1.431	0	%100
48	M77	Z	.826	.826	0	%100
49	MP1A	X	2.094	2.094	0	%100
50	MP1A	Z	1.209	1.209	0	%100
51	MP1B	X	2.094	2.094	0	%100
52	MP1B	Z	1.209	1.209	0	%100
53	MP1C	X	2.094	2.094	0	%100
54	MP1C	Z	1.209	1.209	0	%100
55	MP2A	X	2.094	2.094	0	%100
56	MP2A	Z	1.209	1.209	0	%100
57	MP2B	X	2.094	2.094	0	%100
58	MP2B	Z	1.209	1.209	0	%100
59	MP2C	X	2.094	2.094	0	%100
60	MP2C	Z	1.209	1.209	0	%100
61	MP3A	X	2.094	2.094	0	%100
62	MP3A	Z	1.209	1.209	0	%100
63	MP3B	X	2.094	2.094	0	%100
64	MP3B	Z	1.209	1.209	0	%100
65	MP3C	X	2.094	2.094	0	%100
66	MP3C	Z	1.209	1.209	0	%100
67	MP4A	X	2.094	2.094	0	%100
68	MP4A	Z	1.209	1.209	0	%100
69	MP4B	X	2.094	2.094	0	%100
70	MP4B	Z	1.209	1.209	0	%100
71	MP4C	X	2.094	2.094	0	%100
72	MP4C	Z	1.209	1.209	0	%100
73	MP5A	X	2.321	2.321	0	%100
74	MP5A	Z	1.34	1.34	0	%100
75	MP5B	X	2.321	2.321	0	%100
76	MP5B	Z	1.34	1.34	0	%100
77	MP5C	X	2.321	2.321	0	%100
78	MP5C	Z	1.34	1.34	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,%]
79	M82	X	1.456	1.456	0	%100
80	M82	Z	.841	.841	0	%100
81	M83	X	.032	.032	0	%100
82	M83	Z	.019	.019	0	%100
83	M84	X	1.465	1.465	0	%100
84	M84	Z	.846	.846	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	A1	X	.252	.252	0	%100
2	A1	Z	.436	.436	0	%100
3	A2	X	.252	.252	0	%100
4	A2	Z	.436	.436	0	%100
5	A5	X	1	1	0	%100
6	A5	Z	1.731	1.731	0	%100
7	A6	X	1.351	1.351	0	%100
8	A6	Z	2.34	2.34	0	%100
9	A7	X	.907	.907	0	%100
10	A7	Z	1.57	1.57	0	%100
11	A8	X	.907	.907	0	%100
12	A8	Z	1.57	1.57	0	%100
13	B26	X	.252	.252	0	%100
14	B26	Z	.436	.436	0	%100
15	B27	X	.252	.252	0	%100
16	B27	Z	.436	.436	0	%100
17	B30	X	1	1	0	%100
18	B30	Z	1.731	1.731	0	%100
19	B31	X	1.351	1.351	0	%100
20	B31	Z	2.34	2.34	0	%100
21	B32	X	.907	.907	0	%100
22	B32	Z	1.57	1.57	0	%100
23	B33	X	.907	.907	0	%100
24	B33	Z	1.57	1.57	0	%100
25	B80	X	.337	.337	0	%100
26	B80	Z	.584	.584	0	%100
27	B81	X	.407	.407	0	%100
28	B81	Z	.705	.705	0	%100
29	C51	X	.977	.977	0	%100
30	C51	Z	1.692	1.692	0	%100
31	C52	X	.977	.977	0	%100
32	C52	Z	1.692	1.692	0	%100
33	C55	X	1	1	0	%100
34	C55	Z	1.731	1.731	0	%100
35	C56	X	1.351	1.351	0	%100
36	C56	Z	2.34	2.34	0	%100
37	C57	X	.036	.036	0	%100
38	C57	Z	.063	.063	0	%100
39	C58	X	.036	.036	0	%100
40	C58	Z	.063	.063	0	%100
41	C78	X	.126	.126	0	%100
42	C78	Z	.218	.218	0	%100
43	C79	X	1.098	1.098	0	%100
44	C79	Z	1.902	1.902	0	%100
45	M76	X	1.209	1.209	0	%100
46	M76	Z	2.094	2.094	0	%100
47	M77	X	.241	.241	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,%]
48	M77	Z	.418	.418	0	%100
49	MP1A	X	1.209	1.209	0	%100
50	MP1A	Z	2.094	2.094	0	%100
51	MP1B	X	1.209	1.209	0	%100
52	MP1B	Z	2.094	2.094	0	%100
53	MP1C	X	1.209	1.209	0	%100
54	MP1C	Z	2.094	2.094	0	%100
55	MP2A	X	1.209	1.209	0	%100
56	MP2A	Z	2.094	2.094	0	%100
57	MP2B	X	1.209	1.209	0	%100
58	MP2B	Z	2.094	2.094	0	%100
59	MP2C	X	1.209	1.209	0	%100
60	MP2C	Z	2.094	2.094	0	%100
61	MP3A	X	1.209	1.209	0	%100
62	MP3A	Z	2.094	2.094	0	%100
63	MP3B	X	1.209	1.209	0	%100
64	MP3B	Z	2.094	2.094	0	%100
65	MP3C	X	1.209	1.209	0	%100
66	MP3C	Z	2.094	2.094	0	%100
67	MP4A	X	1.209	1.209	0	%100
68	MP4A	Z	2.094	2.094	0	%100
69	MP4B	X	1.209	1.209	0	%100
70	MP4B	Z	2.094	2.094	0	%100
71	MP4C	X	1.209	1.209	0	%100
72	MP4C	Z	2.094	2.094	0	%100
73	MP5A	X	1.34	1.34	0	%100
74	MP5A	Z	2.321	2.321	0	%100
75	MP5B	X	1.34	1.34	0	%100
76	MP5B	Z	2.321	2.321	0	%100
77	MP5C	X	1.34	1.34	0	%100
78	MP5C	Z	2.321	2.321	0	%100
79	M82	X	.241	.241	0	%100
80	M82	Z	.417	.417	0	%100
81	M83	X	.44	.44	0	%100
82	M83	Z	.763	.763	0	%100
83	M84	X	1.15	1.15	0	%100
84	M84	Z	1.992	1.992	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	A1	X	0	0	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	0	0	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	0	0	0	%100
6	A5	Z	1.999	1.999	0	%100
7	A6	X	0	0	0	%100
8	A6	Z	2.702	2.702	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	2.418	2.418	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	2.418	2.418	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	1.511	1.511	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	1.511	1.511	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,%]
17	B30	X	0	0	0	%100
18	B30	Z	1.999	1.999	0	%100
19	B31	X	0	0	0	%100
20	B31	Z	2.702	2.702	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	.604	.604	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	.604	.604	0	%100
25	B80	X	0	0	0	%100
26	B80	Z	.015	.015	0	%100
27	B81	X	0	0	0	%100
28	B81	Z	1.983	1.983	0	%100
29	C51	X	0	0	0	%100
30	C51	Z	1.779	1.779	0	%100
31	C52	X	0	0	0	%100
32	C52	Z	1.779	1.779	0	%100
33	C55	X	0	0	0	%100
34	C55	Z	1.999	1.999	0	%100
35	C56	X	0	0	0	%100
36	C56	Z	2.702	2.702	0	%100
37	C57	X	0	0	0	%100
38	C57	Z	.283	.283	0	%100
39	C58	X	0	0	0	%100
40	C58	Z	.283	.283	0	%100
41	C78	X	0	0	0	%100
42	C78	Z	1.356	1.356	0	%100
43	C79	X	0	0	0	%100
44	C79	Z	2.307	2.307	0	%100
45	M76	X	0	0	0	%100
46	M76	Z	1.835	1.835	0	%100
47	M77	X	0	0	0	%100
48	M77	Z	.063	.063	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	2.418	2.418	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	2.418	2.418	0	%100
53	MP1C	X	0	0	0	%100
54	MP1C	Z	2.418	2.418	0	%100
55	MP2A	X	0	0	0	%100
56	MP2A	Z	2.418	2.418	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	2.418	2.418	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	2.418	2.418	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	2.418	2.418	0	%100
63	MP3B	X	0	0	0	%100
64	MP3B	Z	2.418	2.418	0	%100
65	MP3C	X	0	0	0	%100
66	MP3C	Z	2.418	2.418	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	2.418	2.418	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	2.418	2.418	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	2.418	2.418	0	%100
73	MP5A	X	0	0	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,%]
74	MP5A	Z	2.681	2.681	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	Z	2.681	2.681	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	2.681	2.681	0	%100
79	M82	X	0	0	0	%100
80	M82	Z	.009	.009	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	2.052	2.052	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	1.76	1.76	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	A1	X	-.252	-.252	0	%100
2	A1	Z	.436	.436	0	%100
3	A2	X	-.252	-.252	0	%100
4	A2	Z	.436	.436	0	%100
5	A5	X	-1	-1	0	%100
6	A5	Z	1.731	1.731	0	%100
7	A6	X	-1.351	-1.351	0	%100
8	A6	Z	2.34	2.34	0	%100
9	A7	X	-.907	-.907	0	%100
10	A7	Z	1.57	1.57	0	%100
11	A8	X	-.907	-.907	0	%100
12	A8	Z	1.57	1.57	0	%100
13	B26	X	-1.008	-1.008	0	%100
14	B26	Z	1.745	1.745	0	%100
15	B27	X	-1.008	-1.008	0	%100
16	B27	Z	1.745	1.745	0	%100
17	B30	X	-1	-1	0	%100
18	B30	Z	1.731	1.731	0	%100
19	B31	X	-1.351	-1.351	0	%100
20	B31	Z	2.34	2.34	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	-.278	-.278	0	%100
26	B80	Z	.481	.481	0	%100
27	B81	X	-1.201	-1.201	0	%100
28	B81	Z	2.08	2.08	0	%100
29	C51	X	-.416	-.416	0	%100
30	C51	Z	.721	.721	0	%100
31	C52	X	-.416	-.416	0	%100
32	C52	Z	.721	.721	0	%100
33	C55	X	-1	-1	0	%100
34	C55	Z	1.731	1.731	0	%100
35	C56	X	-1.351	-1.351	0	%100
36	C56	Z	2.34	2.34	0	%100
37	C57	X	-.709	-.709	0	%100
38	C57	Z	1.229	1.229	0	%100
39	C58	X	-.709	-.709	0	%100
40	C58	Z	1.229	1.229	0	%100
41	C78	X	-1.16	-1.16	0	%100
42	C78	Z	2.009	2.009	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,%]
43	C79	X	-.66	-.66	0	%100
44	C79	Z	1.143	1.143	0	%100
45	M76	X	-.334	-.334	0	%100
46	M76	Z	.578	.578	0	%100
47	M77	X	-.407	-.407	0	%100
48	M77	Z	.705	.705	0	%100
49	MP1A	X	-1.209	-1.209	0	%100
50	MP1A	Z	2.094	2.094	0	%100
51	MP1B	X	-1.209	-1.209	0	%100
52	MP1B	Z	2.094	2.094	0	%100
53	MP1C	X	-1.209	-1.209	0	%100
54	MP1C	Z	2.094	2.094	0	%100
55	MP2A	X	-1.209	-1.209	0	%100
56	MP2A	Z	2.094	2.094	0	%100
57	MP2B	X	-1.209	-1.209	0	%100
58	MP2B	Z	2.094	2.094	0	%100
59	MP2C	X	-1.209	-1.209	0	%100
60	MP2C	Z	2.094	2.094	0	%100
61	MP3A	X	-1.209	-1.209	0	%100
62	MP3A	Z	2.094	2.094	0	%100
63	MP3B	X	-1.209	-1.209	0	%100
64	MP3B	Z	2.094	2.094	0	%100
65	MP3C	X	-1.209	-1.209	0	%100
66	MP3C	Z	2.094	2.094	0	%100
67	MP4A	X	-1.209	-1.209	0	%100
68	MP4A	Z	2.094	2.094	0	%100
69	MP4B	X	-1.209	-1.209	0	%100
70	MP4B	Z	2.094	2.094	0	%100
71	MP4C	X	-1.209	-1.209	0	%100
72	MP4C	Z	2.094	2.094	0	%100
73	MP5A	X	-1.34	-1.34	0	%100
74	MP5A	Z	2.321	2.321	0	%100
75	MP5B	X	-1.34	-1.34	0	%100
76	MP5B	Z	2.321	2.321	0	%100
77	MP5C	X	-1.34	-1.34	0	%100
78	MP5C	Z	2.321	2.321	0	%100
79	M82	X	-.368	-.368	0	%100
80	M82	Z	.638	.638	0	%100
81	M83	X	-1.19	-1.19	0	%100
82	M83	Z	2.062	2.062	0	%100
83	M84	X	-.305	-.305	0	%100
84	M84	Z	.528	.528	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	A1	X	-1.309	-1.309	0	%100
2	A1	Z	.756	.756	0	%100
3	A2	X	-1.309	-1.309	0	%100
4	A2	Z	.756	.756	0	%100
5	A5	X	-1.731	-1.731	0	%100
6	A5	Z	1	1	0	%100
7	A6	X	-2.34	-2.34	0	%100
8	A6	Z	1.351	1.351	0	%100
9	A7	X	-.523	-.523	0	%100
10	A7	Z	.302	.302	0	%100
11	A8	X	-.523	-.523	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,%]
12	A8	Z	.302	.302	0	%100
13	B26	X	-1.309	-1.309	0	%100
14	B26	Z	.756	.756	0	%100
15	B27	X	-1.309	-1.309	0	%100
16	B27	Z	.756	.756	0	%100
17	B30	X	-1.731	-1.731	0	%100
18	B30	Z	1	1	0	%100
19	B31	X	-2.34	-2.34	0	%100
20	B31	Z	1.351	1.351	0	%100
21	B32	X	-.523	-.523	0	%100
22	B32	Z	.302	.302	0	%100
23	B33	X	-.523	-.523	0	%100
24	B33	Z	.302	.302	0	%100
25	B80	X	-1.521	-1.521	0	%100
26	B80	Z	.878	.878	0	%100
27	B81	X	-1.431	-1.431	0	%100
28	B81	Z	.826	.826	0	%100
29	C51	X	-.053	-.053	0	%100
30	C51	Z	.03	.03	0	%100
31	C52	X	-.053	-.053	0	%100
32	C52	Z	.03	.03	0	%100
33	C55	X	-1.731	-1.731	0	%100
34	C55	Z	1	1	0	%100
35	C56	X	-2.34	-2.34	0	%100
36	C56	Z	1.351	1.351	0	%100
37	C57	X	-2.031	-2.031	0	%100
38	C57	Z	1.172	1.172	0	%100
39	C58	X	-2.031	-2.031	0	%100
40	C58	Z	1.172	1.172	0	%100
41	C78	X	-1.887	-1.887	0	%100
42	C78	Z	1.09	1.09	0	%100
43	C79	X	-.192	-.192	0	%100
44	C79	Z	.111	.111	0	%100
45	M76	X	-.071	-.071	0	%100
46	M76	Z	.041	.041	0	%100
47	M77	X	-1.717	-1.717	0	%100
48	M77	Z	.991	.991	0	%100
49	MP1A	X	-2.094	-2.094	0	%100
50	MP1A	Z	1.209	1.209	0	%100
51	MP1B	X	-2.094	-2.094	0	%100
52	MP1B	Z	1.209	1.209	0	%100
53	MP1C	X	-2.094	-2.094	0	%100
54	MP1C	Z	1.209	1.209	0	%100
55	MP2A	X	-2.094	-2.094	0	%100
56	MP2A	Z	1.209	1.209	0	%100
57	MP2B	X	-2.094	-2.094	0	%100
58	MP2B	Z	1.209	1.209	0	%100
59	MP2C	X	-2.094	-2.094	0	%100
60	MP2C	Z	1.209	1.209	0	%100
61	MP3A	X	-2.094	-2.094	0	%100
62	MP3A	Z	1.209	1.209	0	%100
63	MP3B	X	-2.094	-2.094	0	%100
64	MP3B	Z	1.209	1.209	0	%100
65	MP3C	X	-2.094	-2.094	0	%100
66	MP3C	Z	1.209	1.209	0	%100
67	MP4A	X	-2.094	-2.094	0	%100
68	MP4A	Z	1.209	1.209	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,%]
69	MP4B	X	-2.094	-2.094	0	%100
70	MP4B	Z	1.209	1.209	0	%100
71	MP4C	X	-2.094	-2.094	0	%100
72	MP4C	Z	1.209	1.209	0	%100
73	MP5A	X	-2.321	-2.321	0	%100
74	MP5A	Z	1.34	1.34	0	%100
75	MP5B	X	-2.321	-2.321	0	%100
76	MP5B	Z	1.34	1.34	0	%100
77	MP5C	X	-2.321	-2.321	0	%100
78	MP5C	Z	1.34	1.34	0	%100
79	M82	X	-1.677	-1.677	0	%100
80	M82	Z	.968	.968	0	%100
81	M83	X	-1.331	-1.331	0	%100
82	M83	Z	.769	.769	0	%100
83	M84	X	-.000589	-.000589	0	%100
84	M84	Z	.00034	.00034	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	A1	X	-2.015	-2.015	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	-2.015	-2.015	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	-1.999	-1.999	0	%100
6	A5	Z	0	0	0	%100
7	A6	X	-2.702	-2.702	0	%100
8	A6	Z	0	0	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	0	0	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	0	0	0	%100
13	B26	X	-.504	-.504	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	-.504	-.504	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	-1.999	-1.999	0	%100
18	B30	Z	0	0	0	%100
19	B31	X	-2.702	-2.702	0	%100
20	B31	Z	0	0	0	%100
21	B32	X	-1.813	-1.813	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	-1.813	-1.813	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	-2.416	-2.416	0	%100
26	B80	Z	0	0	0	%100
27	B81	X	-.483	-.483	0	%100
28	B81	Z	0	0	0	%100
29	C51	X	-.236	-.236	0	%100
30	C51	Z	0	0	0	%100
31	C52	X	-.236	-.236	0	%100
32	C52	Z	0	0	0	%100
33	C55	X	-1.999	-1.999	0	%100
34	C55	Z	0	0	0	%100
35	C56	X	-2.702	-2.702	0	%100
36	C56	Z	0	0	0	%100
37	C57	X	-2.135	-2.135	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,%]
38	C57	Z	0	0	0	%100
39	C58	X	-2.135	-2.135	0	%100
40	C58	Z	0	0	0	%100
41	C78	X	-1.075	-1.075	0	%100
42	C78	Z	0	0	0	%100
43	C79	X	-.111	-.111	0	%100
44	C79	Z	0	0	0	%100
45	M76	X	-.665	-.665	0	%100
46	M76	Z	0	0	0	%100
47	M77	X	-2.402	-2.402	0	%100
48	M77	Z	0	0	0	%100
49	MP1A	X	-2.418	-2.418	0	%100
50	MP1A	Z	0	0	0	%100
51	MP1B	X	-2.418	-2.418	0	%100
52	MP1B	Z	0	0	0	%100
53	MP1C	X	-2.418	-2.418	0	%100
54	MP1C	Z	0	0	0	%100
55	MP2A	X	-2.418	-2.418	0	%100
56	MP2A	Z	0	0	0	%100
57	MP2B	X	-2.418	-2.418	0	%100
58	MP2B	Z	0	0	0	%100
59	MP2C	X	-2.418	-2.418	0	%100
60	MP2C	Z	0	0	0	%100
61	MP3A	X	-2.418	-2.418	0	%100
62	MP3A	Z	0	0	0	%100
63	MP3B	X	-2.418	-2.418	0	%100
64	MP3B	Z	0	0	0	%100
65	MP3C	X	-2.418	-2.418	0	%100
66	MP3C	Z	0	0	0	%100
67	MP4A	X	-2.418	-2.418	0	%100
68	MP4A	Z	0	0	0	%100
69	MP4B	X	-2.418	-2.418	0	%100
70	MP4B	Z	0	0	0	%100
71	MP4C	X	-2.418	-2.418	0	%100
72	MP4C	Z	0	0	0	%100
73	MP5A	X	-2.681	-2.681	0	%100
74	MP5A	Z	0	0	0	%100
75	MP5B	X	-2.681	-2.681	0	%100
76	MP5B	Z	0	0	0	%100
77	MP5C	X	-2.681	-2.681	0	%100
78	MP5C	Z	0	0	0	%100
79	M82	X	-2.409	-2.409	0	%100
80	M82	Z	0	0	0	%100
81	M83	X	-.365	-.365	0	%100
82	M83	Z	0	0	0	%100
83	M84	X	-.541	-.541	0	%100
84	M84	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	A1	X	-1.309	-1.309	0	%100
2	A1	Z	-.756	-.756	0	%100
3	A2	X	-1.309	-1.309	0	%100
4	A2	Z	-.756	-.756	0	%100
5	A5	X	-1.731	-1.731	0	%100
6	A5	Z	-1	-1	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,%]
7	A6	X	-2.34	-2.34	0	%100
8	A6	Z	-1.351	-1.351	0	%100
9	A7	X	-.523	-.523	0	%100
10	A7	Z	-.302	-.302	0	%100
11	A8	X	-.523	-.523	0	%100
12	A8	Z	-.302	-.302	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	-1.731	-1.731	0	%100
18	B30	Z	-1	-1	0	%100
19	B31	X	-2.34	-2.34	0	%100
20	B31	Z	-1.351	-1.351	0	%100
21	B32	X	-2.094	-2.094	0	%100
22	B32	Z	-1.209	-1.209	0	%100
23	B33	X	-2.094	-2.094	0	%100
24	B33	Z	-1.209	-1.209	0	%100
25	B80	X	-1.624	-1.624	0	%100
26	B80	Z	-.938	-.938	0	%100
27	B81	X	-.055	-.055	0	%100
28	B81	Z	-.032	-.032	0	%100
29	C51	X	-1.024	-1.024	0	%100
30	C51	Z	-.591	-.591	0	%100
31	C52	X	-1.024	-1.024	0	%100
32	C52	Z	-.591	-.591	0	%100
33	C55	X	-1.731	-1.731	0	%100
34	C55	Z	-1	-1	0	%100
35	C56	X	-2.34	-2.34	0	%100
36	C56	Z	-1.351	-1.351	0	%100
37	C57	X	-.865	-.865	0	%100
38	C57	Z	-.499	-.499	0	%100
39	C58	X	-.865	-.865	0	%100
40	C58	Z	-.499	-.499	0	%100
41	C78	X	-.096	-.096	0	%100
42	C78	Z	-.055	-.055	0	%100
43	C79	X	-.951	-.951	0	%100
44	C79	Z	-.549	-.549	0	%100
45	M76	X	-1.587	-1.587	0	%100
46	M76	Z	-.916	-.916	0	%100
47	M77	X	-1.431	-1.431	0	%100
48	M77	Z	-.826	-.826	0	%100
49	MP1A	X	-2.094	-2.094	0	%100
50	MP1A	Z	-1.209	-1.209	0	%100
51	MP1B	X	-2.094	-2.094	0	%100
52	MP1B	Z	-1.209	-1.209	0	%100
53	MP1C	X	-2.094	-2.094	0	%100
54	MP1C	Z	-1.209	-1.209	0	%100
55	MP2A	X	-2.094	-2.094	0	%100
56	MP2A	Z	-1.209	-1.209	0	%100
57	MP2B	X	-2.094	-2.094	0	%100
58	MP2B	Z	-1.209	-1.209	0	%100
59	MP2C	X	-2.094	-2.094	0	%100
60	MP2C	Z	-1.209	-1.209	0	%100
61	MP3A	X	-2.094	-2.094	0	%100
62	MP3A	Z	-1.209	-1.209	0	%100
63	MP3B	X	-2.094	-2.094	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,%]
64	MP3B	Z	-1.209	-1.209	0	%100
65	MP3C	X	-2.094	-2.094	0	%100
66	MP3C	Z	-1.209	-1.209	0	%100
67	MP4A	X	-2.094	-2.094	0	%100
68	MP4A	Z	-1.209	-1.209	0	%100
69	MP4B	X	-2.094	-2.094	0	%100
70	MP4B	Z	-1.209	-1.209	0	%100
71	MP4C	X	-2.094	-2.094	0	%100
72	MP4C	Z	-1.209	-1.209	0	%100
73	MP5A	X	-2.321	-2.321	0	%100
74	MP5A	Z	-1.34	-1.34	0	%100
75	MP5B	X	-2.321	-2.321	0	%100
76	MP5B	Z	-1.34	-1.34	0	%100
77	MP5C	X	-2.321	-2.321	0	%100
78	MP5C	Z	-1.34	-1.34	0	%100
79	M82	X	-1.456	-1.456	0	%100
80	M82	Z	-.841	-.841	0	%100
81	M83	X	-.032	-.032	0	%100
82	M83	Z	-.019	-.019	0	%100
83	M84	X	-1.465	-1.465	0	%100
84	M84	Z	-.846	-.846	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	A1	X	-.252	-.252	0	%100
2	A1	Z	-.436	-.436	0	%100
3	A2	X	-.252	-.252	0	%100
4	A2	Z	-.436	-.436	0	%100
5	A5	X	-1	-1	0	%100
6	A5	Z	-1.731	-1.731	0	%100
7	A6	X	-1.351	-1.351	0	%100
8	A6	Z	-2.34	-2.34	0	%100
9	A7	X	-.907	-.907	0	%100
10	A7	Z	-1.57	-1.57	0	%100
11	A8	X	-.907	-.907	0	%100
12	A8	Z	-1.57	-1.57	0	%100
13	B26	X	-.252	-.252	0	%100
14	B26	Z	-.436	-.436	0	%100
15	B27	X	-.252	-.252	0	%100
16	B27	Z	-.436	-.436	0	%100
17	B30	X	-1	-1	0	%100
18	B30	Z	-1.731	-1.731	0	%100
19	B31	X	-1.351	-1.351	0	%100
20	B31	Z	-2.34	-2.34	0	%100
21	B32	X	-.907	-.907	0	%100
22	B32	Z	-1.57	-1.57	0	%100
23	B33	X	-.907	-.907	0	%100
24	B33	Z	-1.57	-1.57	0	%100
25	B80	X	-.337	-.337	0	%100
26	B80	Z	-.584	-.584	0	%100
27	B81	X	-.407	-.407	0	%100
28	B81	Z	-.705	-.705	0	%100
29	C51	X	-.977	-.977	0	%100
30	C51	Z	-1.692	-1.692	0	%100
31	C52	X	-.977	-.977	0	%100
32	C52	Z	-1.692	-1.692	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,%]
33	C55	X	-1	-1	0	%100
34	C55	Z	-1.731	-1.731	0	%100
35	C56	X	-1.351	-1.351	0	%100
36	C56	Z	-2.34	-2.34	0	%100
37	C57	X	-.036	-.036	0	%100
38	C57	Z	-.063	-.063	0	%100
39	C58	X	-.036	-.036	0	%100
40	C58	Z	-.063	-.063	0	%100
41	C78	X	-.126	-.126	0	%100
42	C78	Z	-.218	-.218	0	%100
43	C79	X	-1.098	-1.098	0	%100
44	C79	Z	-1.902	-1.902	0	%100
45	M76	X	-1.209	-1.209	0	%100
46	M76	Z	-2.094	-2.094	0	%100
47	M77	X	-.241	-.241	0	%100
48	M77	Z	-.418	-.418	0	%100
49	MP1A	X	-1.209	-1.209	0	%100
50	MP1A	Z	-2.094	-2.094	0	%100
51	MP1B	X	-1.209	-1.209	0	%100
52	MP1B	Z	-2.094	-2.094	0	%100
53	MP1C	X	-1.209	-1.209	0	%100
54	MP1C	Z	-2.094	-2.094	0	%100
55	MP2A	X	-1.209	-1.209	0	%100
56	MP2A	Z	-2.094	-2.094	0	%100
57	MP2B	X	-1.209	-1.209	0	%100
58	MP2B	Z	-2.094	-2.094	0	%100
59	MP2C	X	-1.209	-1.209	0	%100
60	MP2C	Z	-2.094	-2.094	0	%100
61	MP3A	X	-1.209	-1.209	0	%100
62	MP3A	Z	-2.094	-2.094	0	%100
63	MP3B	X	-1.209	-1.209	0	%100
64	MP3B	Z	-2.094	-2.094	0	%100
65	MP3C	X	-1.209	-1.209	0	%100
66	MP3C	Z	-2.094	-2.094	0	%100
67	MP4A	X	-1.209	-1.209	0	%100
68	MP4A	Z	-2.094	-2.094	0	%100
69	MP4B	X	-1.209	-1.209	0	%100
70	MP4B	Z	-2.094	-2.094	0	%100
71	MP4C	X	-1.209	-1.209	0	%100
72	MP4C	Z	-2.094	-2.094	0	%100
73	MP5A	X	-1.34	-1.34	0	%100
74	MP5A	Z	-2.321	-2.321	0	%100
75	MP5B	X	-1.34	-1.34	0	%100
76	MP5B	Z	-2.321	-2.321	0	%100
77	MP5C	X	-1.34	-1.34	0	%100
78	MP5C	Z	-2.321	-2.321	0	%100
79	M82	X	-.241	-.241	0	%100
80	M82	Z	-.417	-.417	0	%100
81	M83	X	-.44	-.44	0	%100
82	M83	Z	-.763	-.763	0	%100
83	M84	X	-1.15	-1.15	0	%100
84	M84	Z	-1.992	-1.992	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	A1	X	0	0	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,%]
2	A1	Z	0	0	0	%100
3	A2	X	0	0	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	0	0	0	%100
6	A5	Z	-.367	-.367	0	%100
7	A6	X	0	0	0	%100
8	A6	Z	-.552	-.552	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	-.449	-.449	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	-.449	-.449	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	-.319	-.319	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	-.319	-.319	0	%100
17	B30	X	0	0	0	%100
18	B30	Z	-.367	-.367	0	%100
19	B31	X	0	0	0	%100
20	B31	Z	-.552	-.552	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	-.112	-.112	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	-.112	-.112	0	%100
25	B80	X	0	0	0	%100
26	B80	Z	-.003	-.003	0	%100
27	B81	X	0	0	0	%100
28	B81	Z	-.369	-.369	0	%100
29	C51	X	0	0	0	%100
30	C51	Z	-.376	-.376	0	%100
31	C52	X	0	0	0	%100
32	C52	Z	-.376	-.376	0	%100
33	C55	X	0	0	0	%100
34	C55	Z	-.367	-.367	0	%100
35	C56	X	0	0	0	%100
36	C56	Z	-.552	-.552	0	%100
37	C57	X	0	0	0	%100
38	C57	Z	-.053	-.053	0	%100
39	C58	X	0	0	0	%100
40	C58	Z	-.053	-.053	0	%100
41	C78	X	0	0	0	%100
42	C78	Z	-.252	-.252	0	%100
43	C79	X	0	0	0	%100
44	C79	Z	-.429	-.429	0	%100
45	M76	X	0	0	0	%100
46	M76	Z	-.341	-.341	0	%100
47	M77	X	0	0	0	%100
48	M77	Z	-.012	-.012	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-.449	-.449	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	-.449	-.449	0	%100
53	MP1C	X	0	0	0	%100
54	MP1C	Z	-.449	-.449	0	%100
55	MP2A	X	0	0	0	%100
56	MP2A	Z	-.449	-.449	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	-.449	-.449	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,%]
59	MP2C	X	0	0	0	%100
60	MP2C	Z	-.449	-.449	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	-.449	-.449	0	%100
63	MP3B	X	0	0	0	%100
64	MP3B	Z	-.449	-.449	0	%100
65	MP3C	X	0	0	0	%100
66	MP3C	Z	-.449	-.449	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	-.449	-.449	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	-.449	-.449	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	-.449	-.449	0	%100
73	MP5A	X	0	0	0	%100
74	MP5A	Z	-.544	-.544	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	Z	-.544	-.544	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	-.544	-.544	0	%100
79	M82	X	0	0	0	%100
80	M82	Z	-.002	-.002	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	-.381	-.381	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	-.323	-.323	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	A1	X	.053	.053	0	%100
2	A1	Z	-.092	-.092	0	%100
3	A2	X	.053	.053	0	%100
4	A2	Z	-.092	-.092	0	%100
5	A5	X	.184	.184	0	%100
6	A5	Z	-.318	-.318	0	%100
7	A6	X	.276	.276	0	%100
8	A6	Z	-.478	-.478	0	%100
9	A7	X	.169	.169	0	%100
10	A7	Z	-.292	-.292	0	%100
11	A8	X	.169	.169	0	%100
12	A8	Z	-.292	-.292	0	%100
13	B26	X	.213	.213	0	%100
14	B26	Z	-.369	-.369	0	%100
15	B27	X	.213	.213	0	%100
16	B27	Z	-.369	-.369	0	%100
17	B30	X	.184	.184	0	%100
18	B30	Z	-.318	-.318	0	%100
19	B31	X	.276	.276	0	%100
20	B31	Z	-.478	-.478	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	.052	.052	0	%100
26	B80	Z	-.089	-.089	0	%100
27	B81	X	.223	.223	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,%]
28	B81	Z	-.387	-.387	0	%100
29	C51	X	.088	.088	0	%100
30	C51	Z	-.152	-.152	0	%100
31	C52	X	.088	.088	0	%100
32	C52	Z	-.152	-.152	0	%100
33	C55	X	.184	.184	0	%100
34	C55	Z	-.318	-.318	0	%100
35	C56	X	.276	.276	0	%100
36	C56	Z	-.478	-.478	0	%100
37	C57	X	.132	.132	0	%100
38	C57	Z	-.228	-.228	0	%100
39	C58	X	.132	.132	0	%100
40	C58	Z	-.228	-.228	0	%100
41	C78	X	.216	.216	0	%100
42	C78	Z	-.373	-.373	0	%100
43	C79	X	.123	.123	0	%100
44	C79	Z	-.212	-.212	0	%100
45	M76	X	.062	.062	0	%100
46	M76	Z	-.107	-.107	0	%100
47	M77	X	.076	.076	0	%100
48	M77	Z	-.131	-.131	0	%100
49	MP1A	X	.225	.225	0	%100
50	MP1A	Z	-.389	-.389	0	%100
51	MP1B	X	.225	.225	0	%100
52	MP1B	Z	-.389	-.389	0	%100
53	MP1C	X	.225	.225	0	%100
54	MP1C	Z	-.389	-.389	0	%100
55	MP2A	X	.225	.225	0	%100
56	MP2A	Z	-.389	-.389	0	%100
57	MP2B	X	.225	.225	0	%100
58	MP2B	Z	-.389	-.389	0	%100
59	MP2C	X	.225	.225	0	%100
60	MP2C	Z	-.389	-.389	0	%100
61	MP3A	X	.225	.225	0	%100
62	MP3A	Z	-.389	-.389	0	%100
63	MP3B	X	.225	.225	0	%100
64	MP3B	Z	-.389	-.389	0	%100
65	MP3C	X	.225	.225	0	%100
66	MP3C	Z	-.389	-.389	0	%100
67	MP4A	X	.225	.225	0	%100
68	MP4A	Z	-.389	-.389	0	%100
69	MP4B	X	.225	.225	0	%100
70	MP4B	Z	-.389	-.389	0	%100
71	MP4C	X	.225	.225	0	%100
72	MP4C	Z	-.389	-.389	0	%100
73	MP5A	X	.272	.272	0	%100
74	MP5A	Z	-.471	-.471	0	%100
75	MP5B	X	.272	.272	0	%100
76	MP5B	Z	-.471	-.471	0	%100
77	MP5C	X	.272	.272	0	%100
78	MP5C	Z	-.471	-.471	0	%100
79	M82	X	.068	.068	0	%100
80	M82	Z	-.119	-.119	0	%100
81	M83	X	.221	.221	0	%100
82	M83	Z	-.383	-.383	0	%100
83	M84	X	.056	.056	0	%100
84	M84	Z	-.097	-.097	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	A1	X	.277	.277	0	%100
2	A1	Z	-.16	-.16	0	%100
3	A2	X	.277	.277	0	%100
4	A2	Z	-.16	-.16	0	%100
5	A5	X	.318	.318	0	%100
6	A5	Z	-.184	-.184	0	%100
7	A6	X	.478	.478	0	%100
8	A6	Z	-.276	-.276	0	%100
9	A7	X	.097	.097	0	%100
10	A7	Z	-.056	-.056	0	%100
11	A8	X	.097	.097	0	%100
12	A8	Z	-.056	-.056	0	%100
13	B26	X	.277	.277	0	%100
14	B26	Z	-.16	-.16	0	%100
15	B27	X	.277	.277	0	%100
16	B27	Z	-.16	-.16	0	%100
17	B30	X	.318	.318	0	%100
18	B30	Z	-.184	-.184	0	%100
19	B31	X	.478	.478	0	%100
20	B31	Z	-.276	-.276	0	%100
21	B32	X	.097	.097	0	%100
22	B32	Z	-.056	-.056	0	%100
23	B33	X	.097	.097	0	%100
24	B33	Z	-.056	-.056	0	%100
25	B80	X	.283	.283	0	%100
26	B80	Z	-.163	-.163	0	%100
27	B81	X	.266	.266	0	%100
28	B81	Z	-.154	-.154	0	%100
29	C51	X	.011	.011	0	%100
30	C51	Z	-.006	-.006	0	%100
31	C52	X	.011	.011	0	%100
32	C52	Z	-.006	-.006	0	%100
33	C55	X	.318	.318	0	%100
34	C55	Z	-.184	-.184	0	%100
35	C56	X	.478	.478	0	%100
36	C56	Z	-.276	-.276	0	%100
37	C57	X	.377	.377	0	%100
38	C57	Z	-.218	-.218	0	%100
39	C58	X	.377	.377	0	%100
40	C58	Z	-.218	-.218	0	%100
41	C78	X	.351	.351	0	%100
42	C78	Z	-.203	-.203	0	%100
43	C79	X	.036	.036	0	%100
44	C79	Z	-.021	-.021	0	%100
45	M76	X	.013	.013	0	%100
46	M76	Z	-.008	-.008	0	%100
47	M77	X	.319	.319	0	%100
48	M77	Z	-.184	-.184	0	%100
49	MP1A	X	.389	.389	0	%100
50	MP1A	Z	-.225	-.225	0	%100
51	MP1B	X	.389	.389	0	%100
52	MP1B	Z	-.225	-.225	0	%100
53	MP1C	X	.389	.389	0	%100
54	MP1C	Z	-.225	-.225	0	%100
55	MP2A	X	.389	.389	0	%100
56	MP2A	Z	-.225	-.225	0	%100
57	MP2B	X	.389	.389	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,%]
58	MP2B	Z	-.225	-.225	0	%100
59	MP2C	X	.389	.389	0	%100
60	MP2C	Z	-.225	-.225	0	%100
61	MP3A	X	.389	.389	0	%100
62	MP3A	Z	-.225	-.225	0	%100
63	MP3B	X	.389	.389	0	%100
64	MP3B	Z	-.225	-.225	0	%100
65	MP3C	X	.389	.389	0	%100
66	MP3C	Z	-.225	-.225	0	%100
67	MP4A	X	.389	.389	0	%100
68	MP4A	Z	-.225	-.225	0	%100
69	MP4B	X	.389	.389	0	%100
70	MP4B	Z	-.225	-.225	0	%100
71	MP4C	X	.389	.389	0	%100
72	MP4C	Z	-.225	-.225	0	%100
73	MP5A	X	.471	.471	0	%100
74	MP5A	Z	-.272	-.272	0	%100
75	MP5B	X	.471	.471	0	%100
76	MP5B	Z	-.272	-.272	0	%100
77	MP5C	X	.471	.471	0	%100
78	MP5C	Z	-.272	-.272	0	%100
79	M82	X	.312	.312	0	%100
80	M82	Z	-.18	-.18	0	%100
81	M83	X	.247	.247	0	%100
82	M83	Z	-.143	-.143	0	%100
83	M84	X	.000108	.000108	0	%100
84	M84	Z	-6.2e-5	-6.2e-5	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	A1	X	.426	.426	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	.426	.426	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	.367	.367	0	%100
6	A5	Z	0	0	0	%100
7	A6	X	.552	.552	0	%100
8	A6	Z	0	0	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	0	0	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	0	0	0	%100
13	B26	X	.106	.106	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	.106	.106	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	.367	.367	0	%100
18	B30	Z	0	0	0	%100
19	B31	X	.552	.552	0	%100
20	B31	Z	0	0	0	%100
21	B32	X	.337	.337	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	.337	.337	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	.449	.449	0	%100
26	B80	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,%]
27	B81	X	.09	.09	0	%100
28	B81	Z	0	0	0	%100
29	C51	X	.05	.05	0	%100
30	C51	Z	0	0	0	%100
31	C52	X	.05	.05	0	%100
32	C52	Z	0	0	0	%100
33	C55	X	.367	.367	0	%100
34	C55	Z	0	0	0	%100
35	C56	X	.552	.552	0	%100
36	C56	Z	0	0	0	%100
37	C57	X	.397	.397	0	%100
38	C57	Z	0	0	0	%100
39	C58	X	.397	.397	0	%100
40	C58	Z	0	0	0	%100
41	C78	X	.2	.2	0	%100
42	C78	Z	0	0	0	%100
43	C79	X	.021	.021	0	%100
44	C79	Z	0	0	0	%100
45	M76	X	.124	.124	0	%100
46	M76	Z	0	0	0	%100
47	M77	X	.446	.446	0	%100
48	M77	Z	0	0	0	%100
49	MP1A	X	.449	.449	0	%100
50	MP1A	Z	0	0	0	%100
51	MP1B	X	.449	.449	0	%100
52	MP1B	Z	0	0	0	%100
53	MP1C	X	.449	.449	0	%100
54	MP1C	Z	0	0	0	%100
55	MP2A	X	.449	.449	0	%100
56	MP2A	Z	0	0	0	%100
57	MP2B	X	.449	.449	0	%100
58	MP2B	Z	0	0	0	%100
59	MP2C	X	.449	.449	0	%100
60	MP2C	Z	0	0	0	%100
61	MP3A	X	.449	.449	0	%100
62	MP3A	Z	0	0	0	%100
63	MP3B	X	.449	.449	0	%100
64	MP3B	Z	0	0	0	%100
65	MP3C	X	.449	.449	0	%100
66	MP3C	Z	0	0	0	%100
67	MP4A	X	.449	.449	0	%100
68	MP4A	Z	0	0	0	%100
69	MP4B	X	.449	.449	0	%100
70	MP4B	Z	0	0	0	%100
71	MP4C	X	.449	.449	0	%100
72	MP4C	Z	0	0	0	%100
73	MP5A	X	.544	.544	0	%100
74	MP5A	Z	0	0	0	%100
75	MP5B	X	.544	.544	0	%100
76	MP5B	Z	0	0	0	%100
77	MP5C	X	.544	.544	0	%100
78	MP5C	Z	0	0	0	%100
79	M82	X	.448	.448	0	%100
80	M82	Z	0	0	0	%100
81	M83	X	.068	.068	0	%100
82	M83	Z	0	0	0	%100
83	M84	X	.099	.099	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,%]
84	M84	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	A1	X	.277	.277	0	%100
2	A1	Z	.16	.16	0	%100
3	A2	X	.277	.277	0	%100
4	A2	Z	.16	.16	0	%100
5	A5	X	.318	.318	0	%100
6	A5	Z	.184	.184	0	%100
7	A6	X	.478	.478	0	%100
8	A6	Z	.276	.276	0	%100
9	A7	X	.097	.097	0	%100
10	A7	Z	.056	.056	0	%100
11	A8	X	.097	.097	0	%100
12	A8	Z	.056	.056	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	.318	.318	0	%100
18	B30	Z	.184	.184	0	%100
19	B31	X	.478	.478	0	%100
20	B31	Z	.276	.276	0	%100
21	B32	X	.389	.389	0	%100
22	B32	Z	.225	.225	0	%100
23	B33	X	.389	.389	0	%100
24	B33	Z	.225	.225	0	%100
25	B80	X	.302	.302	0	%100
26	B80	Z	.174	.174	0	%100
27	B81	X	.01	.01	0	%100
28	B81	Z	.006	.006	0	%100
29	C51	X	.216	.216	0	%100
30	C51	Z	.125	.125	0	%100
31	C52	X	.216	.216	0	%100
32	C52	Z	.125	.125	0	%100
33	C55	X	.318	.318	0	%100
34	C55	Z	.184	.184	0	%100
35	C56	X	.478	.478	0	%100
36	C56	Z	.276	.276	0	%100
37	C57	X	.161	.161	0	%100
38	C57	Z	.093	.093	0	%100
39	C58	X	.161	.161	0	%100
40	C58	Z	.093	.093	0	%100
41	C78	X	.018	.018	0	%100
42	C78	Z	.01	.01	0	%100
43	C79	X	.177	.177	0	%100
44	C79	Z	.102	.102	0	%100
45	M76	X	.295	.295	0	%100
46	M76	Z	.17	.17	0	%100
47	M77	X	.266	.266	0	%100
48	M77	Z	.154	.154	0	%100
49	MP1A	X	.389	.389	0	%100
50	MP1A	Z	.225	.225	0	%100
51	MP1B	X	.389	.389	0	%100
52	MP1B	Z	.225	.225	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,%]
53	MP1C	X	.389	.389	0	%100
54	MP1C	Z	.225	.225	0	%100
55	MP2A	X	.389	.389	0	%100
56	MP2A	Z	.225	.225	0	%100
57	MP2B	X	.389	.389	0	%100
58	MP2B	Z	.225	.225	0	%100
59	MP2C	X	.389	.389	0	%100
60	MP2C	Z	.225	.225	0	%100
61	MP3A	X	.389	.389	0	%100
62	MP3A	Z	.225	.225	0	%100
63	MP3B	X	.389	.389	0	%100
64	MP3B	Z	.225	.225	0	%100
65	MP3C	X	.389	.389	0	%100
66	MP3C	Z	.225	.225	0	%100
67	MP4A	X	.389	.389	0	%100
68	MP4A	Z	.225	.225	0	%100
69	MP4B	X	.389	.389	0	%100
70	MP4B	Z	.225	.225	0	%100
71	MP4C	X	.389	.389	0	%100
72	MP4C	Z	.225	.225	0	%100
73	MP5A	X	.471	.471	0	%100
74	MP5A	Z	.272	.272	0	%100
75	MP5B	X	.471	.471	0	%100
76	MP5B	Z	.272	.272	0	%100
77	MP5C	X	.471	.471	0	%100
78	MP5C	Z	.272	.272	0	%100
79	M82	X	.271	.271	0	%100
80	M82	Z	.156	.156	0	%100
81	M83	X	.006	.006	0	%100
82	M83	Z	.003	.003	0	%100
83	M84	X	.269	.269	0	%100
84	M84	Z	.155	.155	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	A1	X	.053	.053	0	%100
2	A1	Z	.092	.092	0	%100
3	A2	X	.053	.053	0	%100
4	A2	Z	.092	.092	0	%100
5	A5	X	.184	.184	0	%100
6	A5	Z	.318	.318	0	%100
7	A6	X	.276	.276	0	%100
8	A6	Z	.478	.478	0	%100
9	A7	X	.169	.169	0	%100
10	A7	Z	.292	.292	0	%100
11	A8	X	.169	.169	0	%100
12	A8	Z	.292	.292	0	%100
13	B26	X	.053	.053	0	%100
14	B26	Z	.092	.092	0	%100
15	B27	X	.053	.053	0	%100
16	B27	Z	.092	.092	0	%100
17	B30	X	.184	.184	0	%100
18	B30	Z	.318	.318	0	%100
19	B31	X	.276	.276	0	%100
20	B31	Z	.478	.478	0	%100
21	B32	X	.169	.169	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,%]
22	B32	Z	.292	.292	0	%100
23	B33	X	.169	.169	0	%100
24	B33	Z	.292	.292	0	%100
25	B80	X	.063	.063	0	%100
26	B80	Z	.109	.109	0	%100
27	B81	X	.076	.076	0	%100
28	B81	Z	.131	.131	0	%100
29	C51	X	.206	.206	0	%100
30	C51	Z	.358	.358	0	%100
31	C52	X	.206	.206	0	%100
32	C52	Z	.358	.358	0	%100
33	C55	X	.184	.184	0	%100
34	C55	Z	.318	.318	0	%100
35	C56	X	.276	.276	0	%100
36	C56	Z	.478	.478	0	%100
37	C57	X	.007	.007	0	%100
38	C57	Z	.012	.012	0	%100
39	C58	X	.007	.007	0	%100
40	C58	Z	.012	.012	0	%100
41	C78	X	.023	.023	0	%100
42	C78	Z	.04	.04	0	%100
43	C79	X	.204	.204	0	%100
44	C79	Z	.353	.353	0	%100
45	M76	X	.225	.225	0	%100
46	M76	Z	.389	.389	0	%100
47	M77	X	.045	.045	0	%100
48	M77	Z	.078	.078	0	%100
49	MP1A	X	.225	.225	0	%100
50	MP1A	Z	.389	.389	0	%100
51	MP1B	X	.225	.225	0	%100
52	MP1B	Z	.389	.389	0	%100
53	MP1C	X	.225	.225	0	%100
54	MP1C	Z	.389	.389	0	%100
55	MP2A	X	.225	.225	0	%100
56	MP2A	Z	.389	.389	0	%100
57	MP2B	X	.225	.225	0	%100
58	MP2B	Z	.389	.389	0	%100
59	MP2C	X	.225	.225	0	%100
60	MP2C	Z	.389	.389	0	%100
61	MP3A	X	.225	.225	0	%100
62	MP3A	Z	.389	.389	0	%100
63	MP3B	X	.225	.225	0	%100
64	MP3B	Z	.389	.389	0	%100
65	MP3C	X	.225	.225	0	%100
66	MP3C	Z	.389	.389	0	%100
67	MP4A	X	.225	.225	0	%100
68	MP4A	Z	.389	.389	0	%100
69	MP4B	X	.225	.225	0	%100
70	MP4B	Z	.389	.389	0	%100
71	MP4C	X	.225	.225	0	%100
72	MP4C	Z	.389	.389	0	%100
73	MP5A	X	.272	.272	0	%100
74	MP5A	Z	.471	.471	0	%100
75	MP5B	X	.272	.272	0	%100
76	MP5B	Z	.471	.471	0	%100
77	MP5C	X	.272	.272	0	%100
78	MP5C	Z	.471	.471	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,%]
79	M82	X	.045	.045	0	%100
80	M82	Z	.078	.078	0	%100
81	M83	X	.082	.082	0	%100
82	M83	Z	.142	.142	0	%100
83	M84	X	.211	.211	0	%100
84	M84	Z	.365	.365	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	A1	X	0	0	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	0	0	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	0	0	0	%100
6	A5	Z	.367	.367	0	%100
7	A6	X	0	0	0	%100
8	A6	Z	.552	.552	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	.449	.449	0	%100
11	A8	X	0	0	0	%100
12	A8	Z	.449	.449	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	.319	.319	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	.319	.319	0	%100
17	B30	X	0	0	0	%100
18	B30	Z	.367	.367	0	%100
19	B31	X	0	0	0	%100
20	B31	Z	.552	.552	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	.112	.112	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	.112	.112	0	%100
25	B80	X	0	0	0	%100
26	B80	Z	.003	.003	0	%100
27	B81	X	0	0	0	%100
28	B81	Z	.369	.369	0	%100
29	C51	X	0	0	0	%100
30	C51	Z	.376	.376	0	%100
31	C52	X	0	0	0	%100
32	C52	Z	.376	.376	0	%100
33	C55	X	0	0	0	%100
34	C55	Z	.367	.367	0	%100
35	C56	X	0	0	0	%100
36	C56	Z	.552	.552	0	%100
37	C57	X	0	0	0	%100
38	C57	Z	.053	.053	0	%100
39	C58	X	0	0	0	%100
40	C58	Z	.053	.053	0	%100
41	C78	X	0	0	0	%100
42	C78	Z	.252	.252	0	%100
43	C79	X	0	0	0	%100
44	C79	Z	.429	.429	0	%100
45	M76	X	0	0	0	%100
46	M76	Z	.341	.341	0	%100
47	M77	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
48	M77	Z	.012	.012	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	.449	.449	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	.449	.449	0	%100
53	MP1C	X	0	0	0	%100
54	MP1C	Z	.449	.449	0	%100
55	MP2A	X	0	0	0	%100
56	MP2A	Z	.449	.449	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	.449	.449	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	.449	.449	0	%100
61	MP3A	X	0	0	0	%100
62	MP3A	Z	.449	.449	0	%100
63	MP3B	X	0	0	0	%100
64	MP3B	Z	.449	.449	0	%100
65	MP3C	X	0	0	0	%100
66	MP3C	Z	.449	.449	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	.449	.449	0	%100
69	MP4B	X	0	0	0	%100
70	MP4B	Z	.449	.449	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	.449	.449	0	%100
73	MP5A	X	0	0	0	%100
74	MP5A	Z	.544	.544	0	%100
75	MP5B	X	0	0	0	%100
76	MP5B	Z	.544	.544	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	.544	.544	0	%100
79	M82	X	0	0	0	%100
80	M82	Z	.002	.002	0	%100
81	M83	X	0	0	0	%100
82	M83	Z	.381	.381	0	%100
83	M84	X	0	0	0	%100
84	M84	Z	.323	.323	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	A1	X	-.053	-.053	0	%100
2	A1	Z	.092	.092	0	%100
3	A2	X	-.053	-.053	0	%100
4	A2	Z	.092	.092	0	%100
5	A5	X	-.184	-.184	0	%100
6	A5	Z	.318	.318	0	%100
7	A6	X	-.276	-.276	0	%100
8	A6	Z	.478	.478	0	%100
9	A7	X	-.169	-.169	0	%100
10	A7	Z	.292	.292	0	%100
11	A8	X	-.169	-.169	0	%100
12	A8	Z	.292	.292	0	%100
13	B26	X	-.213	-.213	0	%100
14	B26	Z	.369	.369	0	%100
15	B27	X	-.213	-.213	0	%100
16	B27	Z	.369	.369	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,%]
17	B30	X	-.184	-.184	0	%100
18	B30	Z	.318	.318	0	%100
19	B31	X	-.276	-.276	0	%100
20	B31	Z	.478	.478	0	%100
21	B32	X	0	0	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	0	0	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	-.052	-.052	0	%100
26	B80	Z	.089	.089	0	%100
27	B81	X	-.223	-.223	0	%100
28	B81	Z	.387	.387	0	%100
29	C51	X	-.088	-.088	0	%100
30	C51	Z	.152	.152	0	%100
31	C52	X	-.088	-.088	0	%100
32	C52	Z	.152	.152	0	%100
33	C55	X	-.184	-.184	0	%100
34	C55	Z	.318	.318	0	%100
35	C56	X	-.276	-.276	0	%100
36	C56	Z	.478	.478	0	%100
37	C57	X	-.132	-.132	0	%100
38	C57	Z	.228	.228	0	%100
39	C58	X	-.132	-.132	0	%100
40	C58	Z	.228	.228	0	%100
41	C78	X	-.216	-.216	0	%100
42	C78	Z	.373	.373	0	%100
43	C79	X	-.123	-.123	0	%100
44	C79	Z	.212	.212	0	%100
45	M76	X	-.062	-.062	0	%100
46	M76	Z	.107	.107	0	%100
47	M77	X	-.076	-.076	0	%100
48	M77	Z	.131	.131	0	%100
49	MP1A	X	-.225	-.225	0	%100
50	MP1A	Z	.389	.389	0	%100
51	MP1B	X	-.225	-.225	0	%100
52	MP1B	Z	.389	.389	0	%100
53	MP1C	X	-.225	-.225	0	%100
54	MP1C	Z	.389	.389	0	%100
55	MP2A	X	-.225	-.225	0	%100
56	MP2A	Z	.389	.389	0	%100
57	MP2B	X	-.225	-.225	0	%100
58	MP2B	Z	.389	.389	0	%100
59	MP2C	X	-.225	-.225	0	%100
60	MP2C	Z	.389	.389	0	%100
61	MP3A	X	-.225	-.225	0	%100
62	MP3A	Z	.389	.389	0	%100
63	MP3B	X	-.225	-.225	0	%100
64	MP3B	Z	.389	.389	0	%100
65	MP3C	X	-.225	-.225	0	%100
66	MP3C	Z	.389	.389	0	%100
67	MP4A	X	-.225	-.225	0	%100
68	MP4A	Z	.389	.389	0	%100
69	MP4B	X	-.225	-.225	0	%100
70	MP4B	Z	.389	.389	0	%100
71	MP4C	X	-.225	-.225	0	%100
72	MP4C	Z	.389	.389	0	%100
73	MP5A	X	-.272	-.272	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,%]
74	MP5A	Z	.471	.471	0	%100
75	MP5B	X	-.272	-.272	0	%100
76	MP5B	Z	.471	.471	0	%100
77	MP5C	X	-.272	-.272	0	%100
78	MP5C	Z	.471	.471	0	%100
79	M82	X	-.068	-.068	0	%100
80	M82	Z	.119	.119	0	%100
81	M83	X	-.221	-.221	0	%100
82	M83	Z	.383	.383	0	%100
83	M84	X	-.056	-.056	0	%100
84	M84	Z	.097	.097	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	A1	X	-.277	-.277	0	%100
2	A1	Z	.16	.16	0	%100
3	A2	X	-.277	-.277	0	%100
4	A2	Z	.16	.16	0	%100
5	A5	X	-.318	-.318	0	%100
6	A5	Z	.184	.184	0	%100
7	A6	X	-.478	-.478	0	%100
8	A6	Z	.276	.276	0	%100
9	A7	X	-.097	-.097	0	%100
10	A7	Z	.056	.056	0	%100
11	A8	X	-.097	-.097	0	%100
12	A8	Z	.056	.056	0	%100
13	B26	X	-.277	-.277	0	%100
14	B26	Z	.16	.16	0	%100
15	B27	X	-.277	-.277	0	%100
16	B27	Z	.16	.16	0	%100
17	B30	X	-.318	-.318	0	%100
18	B30	Z	.184	.184	0	%100
19	B31	X	-.478	-.478	0	%100
20	B31	Z	.276	.276	0	%100
21	B32	X	-.097	-.097	0	%100
22	B32	Z	.056	.056	0	%100
23	B33	X	-.097	-.097	0	%100
24	B33	Z	.056	.056	0	%100
25	B80	X	-.283	-.283	0	%100
26	B80	Z	.163	.163	0	%100
27	B81	X	-.266	-.266	0	%100
28	B81	Z	.154	.154	0	%100
29	C51	X	-.011	-.011	0	%100
30	C51	Z	.006	.006	0	%100
31	C52	X	-.011	-.011	0	%100
32	C52	Z	.006	.006	0	%100
33	C55	X	-.318	-.318	0	%100
34	C55	Z	.184	.184	0	%100
35	C56	X	-.478	-.478	0	%100
36	C56	Z	.276	.276	0	%100
37	C57	X	-.377	-.377	0	%100
38	C57	Z	.218	.218	0	%100
39	C58	X	-.377	-.377	0	%100
40	C58	Z	.218	.218	0	%100
41	C78	X	-.351	-.351	0	%100
42	C78	Z	.203	.203	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,%]
43	C79	X	-.036	-.036	0	%100
44	C79	Z	.021	.021	0	%100
45	M76	X	-.013	-.013	0	%100
46	M76	Z	.008	.008	0	%100
47	M77	X	-.319	-.319	0	%100
48	M77	Z	.184	.184	0	%100
49	MP1A	X	-.389	-.389	0	%100
50	MP1A	Z	.225	.225	0	%100
51	MP1B	X	-.389	-.389	0	%100
52	MP1B	Z	.225	.225	0	%100
53	MP1C	X	-.389	-.389	0	%100
54	MP1C	Z	.225	.225	0	%100
55	MP2A	X	-.389	-.389	0	%100
56	MP2A	Z	.225	.225	0	%100
57	MP2B	X	-.389	-.389	0	%100
58	MP2B	Z	.225	.225	0	%100
59	MP2C	X	-.389	-.389	0	%100
60	MP2C	Z	.225	.225	0	%100
61	MP3A	X	-.389	-.389	0	%100
62	MP3A	Z	.225	.225	0	%100
63	MP3B	X	-.389	-.389	0	%100
64	MP3B	Z	.225	.225	0	%100
65	MP3C	X	-.389	-.389	0	%100
66	MP3C	Z	.225	.225	0	%100
67	MP4A	X	-.389	-.389	0	%100
68	MP4A	Z	.225	.225	0	%100
69	MP4B	X	-.389	-.389	0	%100
70	MP4B	Z	.225	.225	0	%100
71	MP4C	X	-.389	-.389	0	%100
72	MP4C	Z	.225	.225	0	%100
73	MP5A	X	-.471	-.471	0	%100
74	MP5A	Z	.272	.272	0	%100
75	MP5B	X	-.471	-.471	0	%100
76	MP5B	Z	.272	.272	0	%100
77	MP5C	X	-.471	-.471	0	%100
78	MP5C	Z	.272	.272	0	%100
79	M82	X	-.312	-.312	0	%100
80	M82	Z	.18	.18	0	%100
81	M83	X	-.247	-.247	0	%100
82	M83	Z	.143	.143	0	%100
83	M84	X	-.000108	-.000108	0	%100
84	M84	Z	6.2e-5	6.2e-5	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	A1	X	-.426	-.426	0	%100
2	A1	Z	0	0	0	%100
3	A2	X	-.426	-.426	0	%100
4	A2	Z	0	0	0	%100
5	A5	X	-.367	-.367	0	%100
6	A5	Z	0	0	0	%100
7	A6	X	-.552	-.552	0	%100
8	A6	Z	0	0	0	%100
9	A7	X	0	0	0	%100
10	A7	Z	0	0	0	%100
11	A8	X	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,%]
12	A8	Z	0	0	0	%100
13	B26	X	-.106	-.106	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	-.106	-.106	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	-.367	-.367	0	%100
18	B30	Z	0	0	0	%100
19	B31	X	-.552	-.552	0	%100
20	B31	Z	0	0	0	%100
21	B32	X	-.337	-.337	0	%100
22	B32	Z	0	0	0	%100
23	B33	X	-.337	-.337	0	%100
24	B33	Z	0	0	0	%100
25	B80	X	-.449	-.449	0	%100
26	B80	Z	0	0	0	%100
27	B81	X	-.09	-.09	0	%100
28	B81	Z	0	0	0	%100
29	C51	X	-.05	-.05	0	%100
30	C51	Z	0	0	0	%100
31	C52	X	-.05	-.05	0	%100
32	C52	Z	0	0	0	%100
33	C55	X	-.367	-.367	0	%100
34	C55	Z	0	0	0	%100
35	C56	X	-.552	-.552	0	%100
36	C56	Z	0	0	0	%100
37	C57	X	-.397	-.397	0	%100
38	C57	Z	0	0	0	%100
39	C58	X	-.397	-.397	0	%100
40	C58	Z	0	0	0	%100
41	C78	X	-.2	-.2	0	%100
42	C78	Z	0	0	0	%100
43	C79	X	-.021	-.021	0	%100
44	C79	Z	0	0	0	%100
45	M76	X	-.124	-.124	0	%100
46	M76	Z	0	0	0	%100
47	M77	X	-.446	-.446	0	%100
48	M77	Z	0	0	0	%100
49	MP1A	X	-.449	-.449	0	%100
50	MP1A	Z	0	0	0	%100
51	MP1B	X	-.449	-.449	0	%100
52	MP1B	Z	0	0	0	%100
53	MP1C	X	-.449	-.449	0	%100
54	MP1C	Z	0	0	0	%100
55	MP2A	X	-.449	-.449	0	%100
56	MP2A	Z	0	0	0	%100
57	MP2B	X	-.449	-.449	0	%100
58	MP2B	Z	0	0	0	%100
59	MP2C	X	-.449	-.449	0	%100
60	MP2C	Z	0	0	0	%100
61	MP3A	X	-.449	-.449	0	%100
62	MP3A	Z	0	0	0	%100
63	MP3B	X	-.449	-.449	0	%100
64	MP3B	Z	0	0	0	%100
65	MP3C	X	-.449	-.449	0	%100
66	MP3C	Z	0	0	0	%100
67	MP4A	X	-.449	-.449	0	%100
68	MP4A	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,%]
69	MP4B	X	-.449	-.449	0	%100
70	MP4B	Z	0	0	0	%100
71	MP4C	X	-.449	-.449	0	%100
72	MP4C	Z	0	0	0	%100
73	MP5A	X	-.544	-.544	0	%100
74	MP5A	Z	0	0	0	%100
75	MP5B	X	-.544	-.544	0	%100
76	MP5B	Z	0	0	0	%100
77	MP5C	X	-.544	-.544	0	%100
78	MP5C	Z	0	0	0	%100
79	M82	X	-.448	-.448	0	%100
80	M82	Z	0	0	0	%100
81	M83	X	-.068	-.068	0	%100
82	M83	Z	0	0	0	%100
83	M84	X	-.099	-.099	0	%100
84	M84	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	A1	X	-.277	-.277	0	%100
2	A1	Z	-.16	-.16	0	%100
3	A2	X	-.277	-.277	0	%100
4	A2	Z	-.16	-.16	0	%100
5	A5	X	-.318	-.318	0	%100
6	A5	Z	-.184	-.184	0	%100
7	A6	X	-.478	-.478	0	%100
8	A6	Z	-.276	-.276	0	%100
9	A7	X	-.097	-.097	0	%100
10	A7	Z	-.056	-.056	0	%100
11	A8	X	-.097	-.097	0	%100
12	A8	Z	-.056	-.056	0	%100
13	B26	X	0	0	0	%100
14	B26	Z	0	0	0	%100
15	B27	X	0	0	0	%100
16	B27	Z	0	0	0	%100
17	B30	X	-.318	-.318	0	%100
18	B30	Z	-.184	-.184	0	%100
19	B31	X	-.478	-.478	0	%100
20	B31	Z	-.276	-.276	0	%100
21	B32	X	-.389	-.389	0	%100
22	B32	Z	-.225	-.225	0	%100
23	B33	X	-.389	-.389	0	%100
24	B33	Z	-.225	-.225	0	%100
25	B80	X	-.302	-.302	0	%100
26	B80	Z	-.174	-.174	0	%100
27	B81	X	-.01	-.01	0	%100
28	B81	Z	-.006	-.006	0	%100
29	C51	X	-.216	-.216	0	%100
30	C51	Z	-.125	-.125	0	%100
31	C52	X	-.216	-.216	0	%100
32	C52	Z	-.125	-.125	0	%100
33	C55	X	-.318	-.318	0	%100
34	C55	Z	-.184	-.184	0	%100
35	C56	X	-.478	-.478	0	%100
36	C56	Z	-.276	-.276	0	%100
37	C57	X	-.161	-.161	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,%]
38	C57	Z	-.093	-.093	0	%100
39	C58	X	-.161	-.161	0	%100
40	C58	Z	-.093	-.093	0	%100
41	C78	X	-.018	-.018	0	%100
42	C78	Z	-.01	-.01	0	%100
43	C79	X	-.177	-.177	0	%100
44	C79	Z	-.102	-.102	0	%100
45	M76	X	-.295	-.295	0	%100
46	M76	Z	-.17	-.17	0	%100
47	M77	X	-.266	-.266	0	%100
48	M77	Z	-.154	-.154	0	%100
49	MP1A	X	-.389	-.389	0	%100
50	MP1A	Z	-.225	-.225	0	%100
51	MP1B	X	-.389	-.389	0	%100
52	MP1B	Z	-.225	-.225	0	%100
53	MP1C	X	-.389	-.389	0	%100
54	MP1C	Z	-.225	-.225	0	%100
55	MP2A	X	-.389	-.389	0	%100
56	MP2A	Z	-.225	-.225	0	%100
57	MP2B	X	-.389	-.389	0	%100
58	MP2B	Z	-.225	-.225	0	%100
59	MP2C	X	-.389	-.389	0	%100
60	MP2C	Z	-.225	-.225	0	%100
61	MP3A	X	-.389	-.389	0	%100
62	MP3A	Z	-.225	-.225	0	%100
63	MP3B	X	-.389	-.389	0	%100
64	MP3B	Z	-.225	-.225	0	%100
65	MP3C	X	-.389	-.389	0	%100
66	MP3C	Z	-.225	-.225	0	%100
67	MP4A	X	-.389	-.389	0	%100
68	MP4A	Z	-.225	-.225	0	%100
69	MP4B	X	-.389	-.389	0	%100
70	MP4B	Z	-.225	-.225	0	%100
71	MP4C	X	-.389	-.389	0	%100
72	MP4C	Z	-.225	-.225	0	%100
73	MP5A	X	-.471	-.471	0	%100
74	MP5A	Z	-.272	-.272	0	%100
75	MP5B	X	-.471	-.471	0	%100
76	MP5B	Z	-.272	-.272	0	%100
77	MP5C	X	-.471	-.471	0	%100
78	MP5C	Z	-.272	-.272	0	%100
79	M82	X	-.271	-.271	0	%100
80	M82	Z	-.156	-.156	0	%100
81	M83	X	-.006	-.006	0	%100
82	M83	Z	-.003	-.003	0	%100
83	M84	X	-.269	-.269	0	%100
84	M84	Z	-.155	-.155	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	A1	X	-.053	-.053	0	%100
2	A1	Z	-.092	-.092	0	%100
3	A2	X	-.053	-.053	0	%100
4	A2	Z	-.092	-.092	0	%100
5	A5	X	-.184	-.184	0	%100
6	A5	Z	-.318	-.318	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,%]
7	A6	X	-.276	-.276	0	%100
8	A6	Z	-.478	-.478	0	%100
9	A7	X	-.169	-.169	0	%100
10	A7	Z	-.292	-.292	0	%100
11	A8	X	-.169	-.169	0	%100
12	A8	Z	-.292	-.292	0	%100
13	B26	X	-.053	-.053	0	%100
14	B26	Z	-.092	-.092	0	%100
15	B27	X	-.053	-.053	0	%100
16	B27	Z	-.092	-.092	0	%100
17	B30	X	-.184	-.184	0	%100
18	B30	Z	-.318	-.318	0	%100
19	B31	X	-.276	-.276	0	%100
20	B31	Z	-.478	-.478	0	%100
21	B32	X	-.169	-.169	0	%100
22	B32	Z	-.292	-.292	0	%100
23	B33	X	-.169	-.169	0	%100
24	B33	Z	-.292	-.292	0	%100
25	B80	X	-.063	-.063	0	%100
26	B80	Z	-.109	-.109	0	%100
27	B81	X	-.076	-.076	0	%100
28	B81	Z	-.131	-.131	0	%100
29	C51	X	-.206	-.206	0	%100
30	C51	Z	-.358	-.358	0	%100
31	C52	X	-.206	-.206	0	%100
32	C52	Z	-.358	-.358	0	%100
33	C55	X	-.184	-.184	0	%100
34	C55	Z	-.318	-.318	0	%100
35	C56	X	-.276	-.276	0	%100
36	C56	Z	-.478	-.478	0	%100
37	C57	X	-.007	-.007	0	%100
38	C57	Z	-.012	-.012	0	%100
39	C58	X	-.007	-.007	0	%100
40	C58	Z	-.012	-.012	0	%100
41	C78	X	-.023	-.023	0	%100
42	C78	Z	-.04	-.04	0	%100
43	C79	X	-.204	-.204	0	%100
44	C79	Z	-.353	-.353	0	%100
45	M76	X	-.225	-.225	0	%100
46	M76	Z	-.389	-.389	0	%100
47	M77	X	-.045	-.045	0	%100
48	M77	Z	-.078	-.078	0	%100
49	MP1A	X	-.225	-.225	0	%100
50	MP1A	Z	-.389	-.389	0	%100
51	MP1B	X	-.225	-.225	0	%100
52	MP1B	Z	-.389	-.389	0	%100
53	MP1C	X	-.225	-.225	0	%100
54	MP1C	Z	-.389	-.389	0	%100
55	MP2A	X	-.225	-.225	0	%100
56	MP2A	Z	-.389	-.389	0	%100
57	MP2B	X	-.225	-.225	0	%100
58	MP2B	Z	-.389	-.389	0	%100
59	MP2C	X	-.225	-.225	0	%100
60	MP2C	Z	-.389	-.389	0	%100
61	MP3A	X	-.225	-.225	0	%100
62	MP3A	Z	-.389	-.389	0	%100
63	MP3B	X	-.225	-.225	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,%]
64	MP3B	Z	-.389	-.389	0	%100
65	MP3C	X	-.225	-.225	0	%100
66	MP3C	Z	-.389	-.389	0	%100
67	MP4A	X	-.225	-.225	0	%100
68	MP4A	Z	-.389	-.389	0	%100
69	MP4B	X	-.225	-.225	0	%100
70	MP4B	Z	-.389	-.389	0	%100
71	MP4C	X	-.225	-.225	0	%100
72	MP4C	Z	-.389	-.389	0	%100
73	MP5A	X	-.272	-.272	0	%100
74	MP5A	Z	-.471	-.471	0	%100
75	MP5B	X	-.272	-.272	0	%100
76	MP5B	Z	-.471	-.471	0	%100
77	MP5C	X	-.272	-.272	0	%100
78	MP5C	Z	-.471	-.471	0	%100
79	M82	X	-.045	-.045	0	%100
80	M82	Z	-.078	-.078	0	%100
81	M83	X	-.082	-.082	0	%100
82	M83	Z	-.142	-.142	0	%100
83	M84	X	-.211	-.211	0	%100
84	M84	Z	-.365	-.365	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	A5	max	546.635	33	921.789	15	761.813	2	-.405	72	0	75	.312	3
2		min	-126.734	3	283.769	72	-1323.937	8	-1.268	16	0	1	-1.544	33
3	A6	max	110.466	3	920.736	16	1232.42	9	-.403	74	0	75	.323	3
4		min	-539.901	33	283.88	73	-647.914	3	-1.287	18	0	1	-1.55	33
5	B54	max	984.058	11	885.338	17	945.585	12	1.393	24	0	75	-.094	12
6		min	-617.422	5	275.459	75	-480.244	6	-.029	7	0	1	-.817	18
7	B55	max	443.561	7	891.311	22	376.8	7	1.41	24	0	75	-.084	1
8		min	-809.112	1	274.784	66	-851.664	1	-.056	6	0	1	-.815	19
9	C102	max	843.928	10	889.352	22	278.807	3	.432	11	0	75	1.477	17
10		min	-1410.316	4	274.321	67	-278.935	9	-.611	5	0	1	.377	11
11	C103	max	1161.491	5	888.172	14	86.761	11	.436	11	0	75	1.48	16
12		min	-531.15	11	273.486	70	-90.325	5	-.622	5	0	1	.359	10
13	N150	max	1013.014	9	234.59	9	629.028	3	0	75	0	75	0	75
14		min	-1059.622	3	-222.555	3	-564.195	9	0	1	0	1	0	1
15	N152	max	22.685	10	97.68	1	1078.477	1	0	75	0	75	0	75
16		min	-49.408	1	-72.254	7	-1145.318	7	0	1	0	1	0	1
17	N153	max	647.823	11	77.077	5	573.55	11	0	75	0	75	0	75
18		min	-610.935	5	-51.637	11	-548.442	5	0	1	0	1	0	1
19	N155	max	572.594	10	30.338	22	129.5	4	0	75	0	75	0	75
20		min	-587.777	4	4.6	4	-124.249	10	0	1	0	1	0	1
21	N156	max	32.669	2	73.664	2	440.572	2	0	75	0	75	0	75
22		min	-31.113	8	-51.713	8	-447.326	8	0	1	0	1	0	1
23	B162	max	473.104	12	85.457	6	230.761	12	0	75	0	75	0	75
24		min	-474.583	6	-62.809	12	-227.746	6	0	1	0	1	0	1
25	Totals:	max	3280.013	10	5414.095	13	3255.147	1						
26		min	-3280.009	4	1742.281	71	-3255.152	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [l...	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	C57	PIPE_2.0	.615	5.25	9	.248	6.453		3	8922.084	32130	1.872	1.872	1....	H1-1b
2	A8	PIPE_2.0	.577	4.484	9	.295	4.484		3	8922.084	32130	1.872	1.872	2....	H3-6
3	B33	PIPE_2.0	.530	5.25	1	.213	4.484		7	8922.084	32130	1.872	1.872	2....	H1-1b
4	B32	PIPE_2.0	.514	5.25	4	.258	6.453		11	8922.084	32130	1.872	1.872	1....	H1-1b
5	C58	PIPE_2.0	.496	5.25	8	.204	8.203		4	8922.084	32130	1.872	1.872	2....	H1-1b
6	A7	PIPE_2.0	.474	5.25	1	.302	4.484		3	8922.084	32130	1.872	1.872	1....	H1-1b
7	MP4A	PIPE_2.0	.464	5.125	27	.283	5.125		3	20866.733	32130	1.872	1.872	1....	H1-1b
8	MP4B	PIPE_2.0	.329	5.125	19	.212	5.125		7	20866.733	32130	1.872	1.872	1....	H1-1b
9	A2	HSS3X3X3	.324	1.75	33	.306	0	y	33	76482.825	78246	6.796	6.796	2....	H3-6
10	A1	HSS3X3X3	.321	1.75	33	.305	0	y	33	76482.825	78246	6.796	6.796	2....	H3-6
11	MP4C	PIPE_2.0	.321	5.125	23	.191	5.125		12	20866.733	32130	1.872	1.872	1....	H1-1b
12	MP3A	PIPE_2.0	.281	5.5	26	.200	5.5		4	20866.733	32130	1.872	1.872	2....	H1-1b
13	MP1A	PIPE_2.0	.272	5.5	50	.184	4.75		8	20866.733	32130	1.872	1.872	2....	H1-1b
14	MP1B	PIPE_2.0	.270	1.625	6	.216	4.75		12	20866.733	32130	1.872	1.872	2....	H1-1b
15	MP3B	PIPE_2.0	.237	5.5	15	.134	5.5		8	20866.733	32130	1.872	1.872	1....	H1-1b
16	MP3C	PIPE_2.0	.236	5.5	19	.151	5.5		1	20866.733	32130	1.872	1.872	1....	H1-1b
17	MP1C	PIPE_2.0	.223	1.625	10	.150	5.5		10	20866.733	32130	1.872	1.872	1....	H1-1b
18	MP2A	PIPE_2.0	.207	1.313	50	.126	1.313		7	20866.733	32130	1.872	1.872	1....	H1-1b
19	A5	PIPE_2.0	.204	0	33	.241	3		33	28843.414	32130	1.872	1.872	2....	H3-6
20	A6	PIPE_3.0	.181	3.84	32	.235	.875		33	58029.84	65205	5.749	5.749	3....	H1-1b
21	MP5A	PIPE_2.5	.174	3.5	35	.155	3.5		9	30037.163	50715	3.596	3.596	1....	H1-1b
22	B27	HSS3X3X3	.172	1.75	24	.197	0	y	24	76482.825	78246	6.796	6.796	2....	H1-1b
23	B26	HSS3X3X3	.169	1.75	13	.194	0	y	24	76482.825	78246	6.796	6.796	2....	H1-1b
24	C51	HSS3X3X3	.169	1.75	17	.194	0	y	17	76482.825	78246	6.796	6.796	2....	H1-1b
25	C52	HSS3X3X3	.169	1.75	17	.196	0	y	17	76482.825	78246	6.796	6.796	2....	H1-1b
26	B31	PIPE_3.0	.156	.875	24	.154	.875		12	58029.84	65205	5.749	5.749	1....	H1-1b
27	C56	PIPE_3.0	.153	.875	16	.153	.875		17	58029.84	65205	5.749	5.749	1....	H1-1b
28	MP5C	PIPE_2.5	.148	3.417	5	.125	6.834		5	30037.163	50715	3.596	3.596	1....	H1-1b
29	MP5B	PIPE_2.5	.145	3.417	1	.148	6.834		1	30037.163	50715	3.596	3.596	2....	H1-1b
30	MP2C	PIPE_2.0	.138	5.125	21	.198	1.313		4	20866.733	32130	1.872	1.872	1....	H1-1b
31	MP2B	PIPE_2.0	.136	5.125	13	.154	1.313		11	20866.733	32130	1.872	1.872	1....	H1-1b
32	B30	PIPE_2.0	.100	0	24	.145	3		1	28843.414	32130	1.872	1.872	2....	H1-1b
33	C55	PIPE_2.0	.099	3	17	.141	3		17	28843.414	32130	1.872	1.872	2....	H1-1b
34	B80	PIPE_2.0	.053	0	7	.003	5.673		22	21842.487	32130	1.872	1.872	1....	H1-1b*
35	M76	PIPE_2.0	.052	0	3	.002	0		18	23903.635	32130	1.872	1.872	1....	H1-1b*
36	C78	PIPE_2.0	.040	5.673	11	.003	5.673		14	21842.487	32130	1.872	1.872	1....	H1-1b*
37	C79	PIPE_2.0	.030	6.384	10	.003	6.384		13	19711.36	32130	1.872	1.872	1....	H1-1b*
38	M83	PIPE_2.0	.026	3.064	2	.076	0		10	20484.788	32130	1.872	1.872	1....	H1-1b
39	B81	PIPE_2.0	.025	2.96	7	.003	0		20	21105.793	32130	1.872	1.872	1....	H1-1b
40	M77	PIPE_2.0	.024	2.96	3	.003	0		16	21105.793	32130	1.872	1.872	1....	H1-1b
41	M82	PIPE_2.0	.022	2.604	10	.109	0		6	23210.355	32130	1.872	1.872	1....	H1-1b
42	M84	PIPE_2.0	.015	2.147	6	.089	4.293		2	25758.8	32130	1.872	1.872	1....	H1-1b

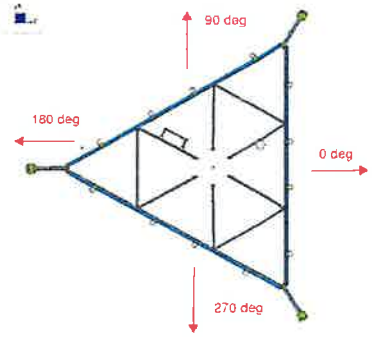
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/22/2023
Site Name:	WILTON WEST CT		
MDG #:	5000382880		
Fuze ID #:	17123989	Page:	1
			Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required — **Yes**

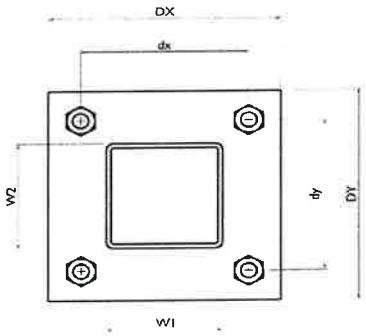
Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
A5	0
A6	0
B54	240
B55	240
C102	120
C103	120



Tower Connection Bolt Checks — **Yes**

Bolt Orientation — **Parallel**

Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	9.5
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	1.5
Bolt Type:	A307
Bolt Diameter (in):	0.5
Required Tensile Strength / bolt (kips):	5.3
Required Shear Strength / bolt (kips):	0.7
Tensile Capacity / bolt (kips):	6.6
Shear Capacity / bolt (kips):	4.0
Bolt Overall Utilization:	79.5%



Tower Connection Baseplate Checks — **No**

VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/22/2023
Site Name:	WILTON WEST CT		
PSLC #:	5000382880		
Fuze ID #:	17123989	Page:	2

Version 1.01

Tower Connection Weld Checks	No

ATTACHMENT 4

Town of Wilton, Connecticut - Assessment Parcel Map

MBL: 81-28 **Address:** 160 DEER RUN RD

Approximate Scale:

1 inch = 100 feet

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

Map Grand List Date: Oct 2017

0 50 100 150 Feet

Town of Wilton, CT

Property Listing Report

Map Block Lot	81-28	Building #	1	PID	4243	Account	001780

Property Information

Property Location	160 DEER RUN RD
Owner	WESTPORT BROADCASTING CO LLC
Co-Owner	na
Mailing Address	PO BOX 1041 VIRGINIA BEACH VA 23451
Land Use	2-1V Commercial
Land Class	C
Zoning Code	R-2
Census Tract	1

Neighborhood	05
Acreage	2
Utilities	UNKNOWN
Lot Setting/Desc	UNKNOWN Above Street
Book / Page	1081/0146
Additional Info	

Photo

Sketch

No Photo Available

Primary Construction Details

Year Built	0
Building Desc.	Commercial
Building Style	UNKNOWN
Building Grade	
Stories	0
Occupancy	
Exterior Walls	
Exterior Walls 2	NA
Roof Style	
Roof Cover	
Interior Walls	
Interior Walls 2	NA
Interior Floors 1	
Interior Floors 2	NA

Heating Fuel	
Heating Type	
AC %	
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	
Fin Bsmt Quality	
Bsmt Gar	
Fireplaces	0

(*Industrial / Commercial Details)

Building Use	Vacant
Building Condition	
Sprinkler %	NA
Heat / AC	NA
Frame Type	NA
Baths / Plumbing	NA
Ceiling / Wall	NA
Rooms / Prtns	NA
Wall Height	NA
First Floor Use	NA
Foundation	NA

Report Created On 8/29/2023

Town of Wilton, CT

Property Listing Report | Map Block Lot 81-28 | Building # 1 | PID 4243 | Account 001780

Valuation Summary (Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	0	0
Extras	0	0
Improvements	0	0
Outbuildings	0	0
Land	0	0
Total	1020000	714000

Outbuilding and Extra Features

Type	Description
Shed Good	476.00 S.F.
Patio	892.00 S.F.
Fence 6'	180.00 L.F.
CELL TOWER	1.00 UNITS

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	0	0

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
FLAMM, DONALD	0177/0277	06/27/1972	50000
WESTPORT BROADCASTING CO LLC	1081/0146	02/11/1998	400000

Report Created On 8/29/2023

ATTACHMENT 5

Verizon/Wilton West

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here ***Postmark with Date of Receipt.***
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 09/13/2023 US POSTAGE $003.19⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Lynne Vanderslice, First Selectwoman Town of Wilton 238 Danbury Road Wilton, CT 06897				
2.	Michael Wrinn, Director of Planning and Land Use Management/Town Planner Town of Wilton 238 Danbury Road Wilton, CT 06897				
3.	Westport Broadcasting Co., LLC PO Box 1041 Virginia Beach, VA 23451				
4.					
5.					
6.					

OLD STATE HOUSE SEP 13 2023 06103 USPS