John Coleman, Project Manager
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (240) 615 -7389
JColeman@clinellc.com

December 14, 2021

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

RE: Notice of Exempt Modification // Site: WATERTOWN NE CT (ATC: 283424)
655 Bassett Road, Watertown, CT 06795
N 41.65707// W 73.13626

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless currently maintains 6 antennas at the 125-foot mount on the existing 130 foot monopine tower, located at 655 Bassett Road, Watertown, CT. The tower is owned by American Tower. The property is owned by Frank Gustafson (Est) et al. The tower was originally approved by the Council in 2012. Verizon Wireless now intends to install 3 new antennas with integrated remote radio heads (RRHs) for its 5G (3700 MHz) upgrade. Additionally, Verizon Wireless will remove all RRHs and 1 OVP and replace with 6 RRHs and 1 OVP, as well as add 2 hybrid fiber cables; altogether updating leased equipment rights, as reflected by the final configuration outlined in the structural analysis and proposed hereby.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Thomas Winn, Watertown Town Chairman, Mark Massoud Admin. Of Land Use/Zoning Enforcement Officer, American Tower, the tower owner and Frank Gustafson, the ground owner,

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2). Enclosed to accommodate this filing are construction drawings dated June 15th 2021, a structural analysis dated October 5, 2021 by American Tower Corporation, a structural mount analysis by Maser Consulting Connecticut dated May 19th, 2021, and radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

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

2. The proposed modifications 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 operation of the new antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.

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

6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis by A.T. Engineering Service, PLLC, dated April 29th 2021, structural mount analysis by Maser Consulting Connecticut dated May 19th, 2021, pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final construction drawings, signed and stamped dated June 15th 2021.

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

Sincerely,

John Coleman

_____

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West Bridgewater, MA 02379
Mobile: (240) 615 -7389
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Attachments

cc: Thomas L. Winn, Chairman - as chief elected official & property owner
Mark Massoud, Admin. Of Land Use/Zoning Enforcement Officer - as P&Z official
American Tower Corporation - as tower owner
Gustafson Frank E (Est) Et Al – Property Owner

UPS CampusShip: View/Print Label

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   Customers without a Daily Pickup
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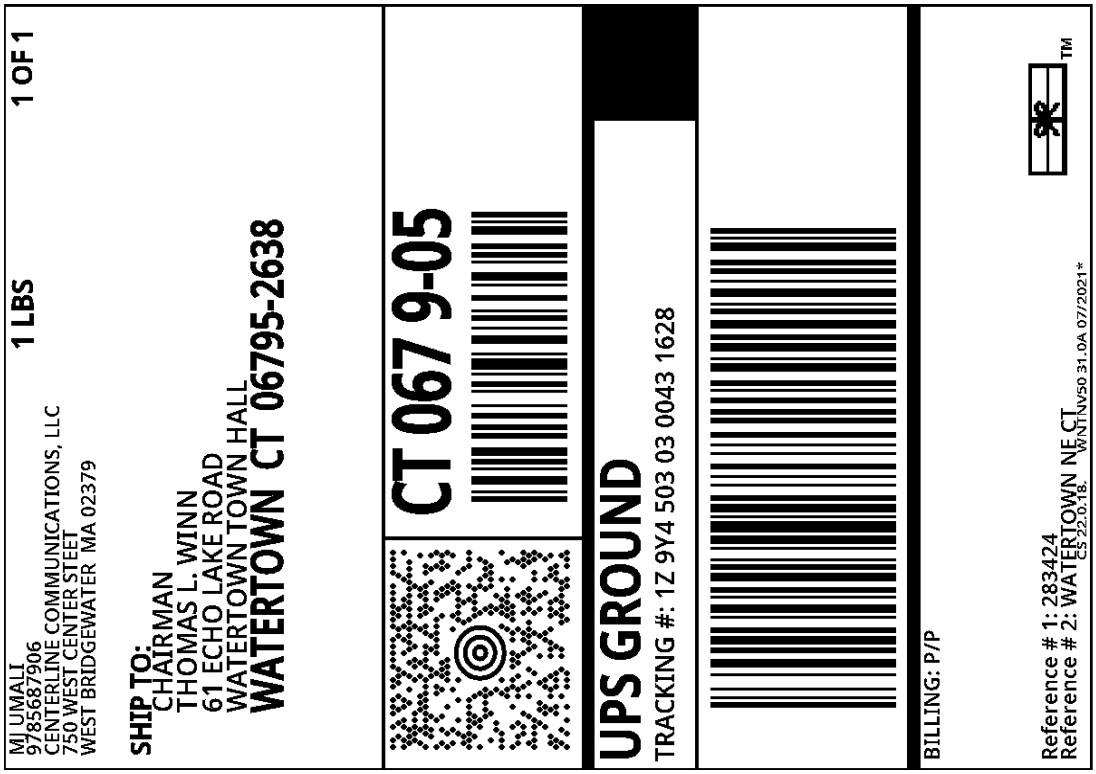

Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number
1Z9Y45030300431628

Weight
1.00 LBS

Service

UPS Ground

Shipped / Billed On
07/30/2021

Delivered On

08/05/2021 12:42 P.M.

Delivered To
WATERTOWN, CT, US

Received By

CLERK

Left At
Receiver

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Sincerely,

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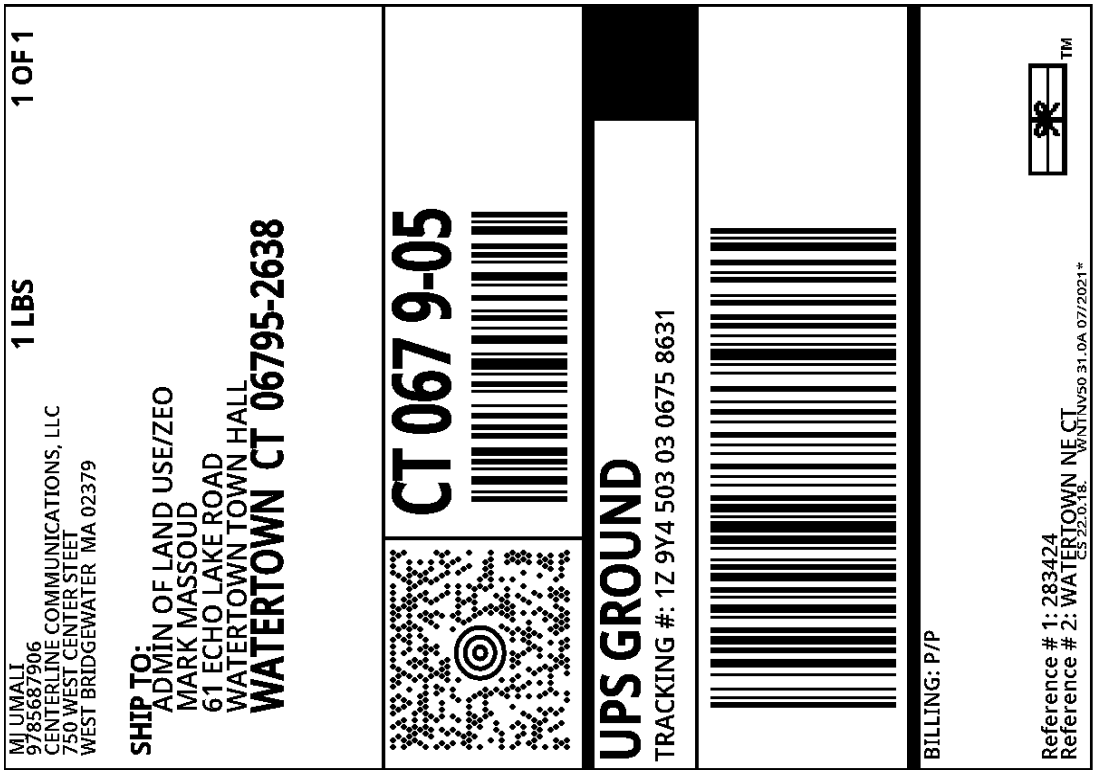

Proof of Delivery

Dear Customer,

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Tracking Number
1Z9Y45030306758631

Weight
1.00 LBS

Service

UPS Ground

Shipped / Billed On
07/30/2021

Delivered On

08/06/2021 9:56 A.M.

Delivered To
WATERTOWN, CT, US

Received By

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Receiver

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Sincerely,

UPS

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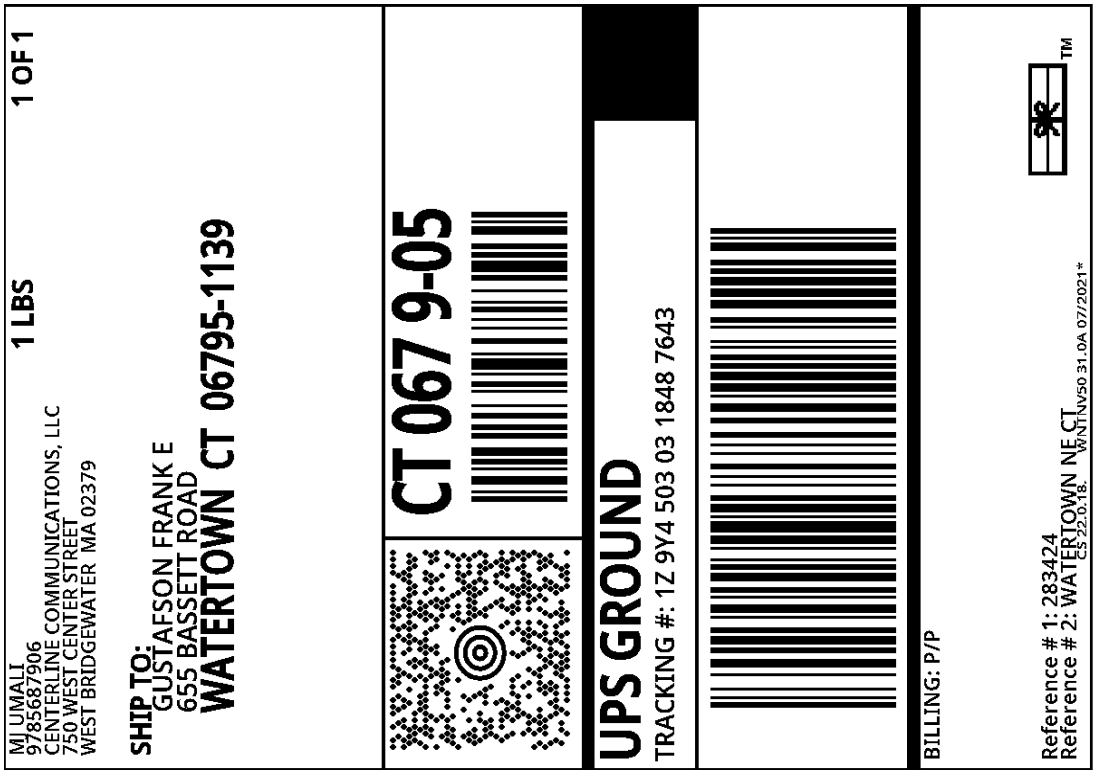

Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number
1Z9Y45030318487643

Weight
1.00 LBS

Service

UPS Ground

Shipped / Billed On
07/30/2021

Delivered On

08/05/2021 6:19 P.M.

Delivered To
WATERTOWN, CT, US

Received By

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Met Customer

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Sincerely,

UPS

Tracking results provided by UPS: 10/25/2021 11:32 A.M. EST

DOCKET NO. 422 – North Atlantic Towers, LLC and New Cingular Wireless PCS, LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and management of a telecommunications facility located at 655 Bassett Road, Watertown, Connecticut.	}	Connecticut Siting Council May 10, 2012

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, maintenance, and management 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 North Atlantic Towers, LLC, hereinafter referred to as the Certificate Holder, for a telecommunications facility at the updated location at 655 Bassett Road, Watertown, Connecticut. The Council denies certification of the facility location proposed in the Certificate Holder's original application for the same property.

Unless otherwise approved by the Council, 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 monopine, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of New Cingular Wireless PCS, LLC and other entities, both public and private, but such tower shall not exceed a height of 130 feet above ground level.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Watertown 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, tower foundation, antennas, equipment compound, radio equipment, access road, utility line, and landscaping; and

    b) construction plans for site clearing, grading, landscaping, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

3. Prior to the commencement of operation, the Certificate Holder shall provide the Council worst-case modeling of the 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 the electromagnetic radio frequency power density be submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

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

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

6. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed with at least one fully operational wireless telecommunications carrier providing wireless service 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. Authority to monitor and modify this schedule, as necessary, is delegated to the Executive Director. The Certificate Holder shall provide written notice to the Executive Director of any schedule changes as soon as is practicable.

7. Any request for extension of the time period referred to in Condition 6 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Watertown. Any proposed modifications to this Decision and Order shall likewise be so served.

8. 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.

9. Any nonfunctioning antenna, and associated antenna mounting equipment, on this facility shall be removed within 60 days of the date the antenna ceased to function.

10. 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.

11. The Certificate Holder shall remit timely payments associated with annual assessments and invoices submitted by the Council for expenses attributable to the facility under Conn. Gen. Stat. §16-50v.

12. This Certificate may be transferred in accordance with Conn. Gen. Stat. §16-50k(b), provided both the Certificate Holder/transferor and the transferee are current with payments to the Council for their respective annual assessments and invoices under Conn. Gen. Stat. §16-50v. In addition, both the Certificate Holder/transferor and the transferee shall provide the Council a written agreement as to the entity responsible for any quarterly assessment charges under Conn. Gen. Stat. §16-50v(b)(2) that may be associated with this facility.

13. The Certificate Holder shall maintain the facility and associated equipment, including but not limited to, the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line and landscaping in a reasonable physical and operational condition that is consistent with this Decision and Order and a Development and Management Plan to be approved by the Council.

14. If the Certificate Holder is a wholly-owned subsidiary of a corporation or other entity and is sold/transferred to another corporation or other entity, the Council shall be notified of such sale and/or transfer and of any change in contact information for the individual or representative responsible for management and operations of the Certificate Holder within 30 days of the sale and/or transfer.

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 Town Times.

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	**Its Representatives**
North Atlantic Towers, LLC and New Cingular Wireless PCS, LLC	Lucia Chiocchio, Esq. Christopher B. Fisher, Esq. Cuddy & Feder LLP 445 Hamilton Avenue, 14th Floor White Plains, NY 10601 John S. Stevens North Atlantic Towers, LLC 1001 3rd Ave. West., Suite 420 Bradenton, FL 34250 Michele Briggs AT&T 500 Enterprise Drive Rocky Hill, CT 06067-3900

Party	**Its Representatives**
Town of Watertown	Paul R. Jessell Town Attorney Slavin Stauffacher & Scott LLC 27 Siemon Company Drive Suite 300W Watertown, CT 06795 Charles Frigon, Town Manager Watertown Town Hall 424 Main Street Watertown, CT 06795
Intervenor	**Its Representative**
Robert and Cathleen Alex 435 Bassett Road Watertown, CT 06795	

AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	**129 ft Monopine**
ATC Site Name	:	**WATERTOWN CT, CT**
ATC Site Number	:	**283424**
Engineering Number	:	**13668995_C3_03**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**WATERTOWN NE CT**
Carrier Site Number	:	**470386**
Site Location	:	**655 Bassett Road** **Watertown, CT 06795-1139** **41.6571, -73.1363**
County	:	**Litchfield**
Date	:	**October 5, 2021**
Max Usage	:	**97%**
Result	:	**Pass**

Prepared By:

Johnny Munoz-Cedeno, EI
Structural Engineer

Johnny Munoz

Reviewed By:

STATE OF CONNECTICUT
ESHA KAUSHAL MODI
32593
LICENSED
PROFESSIONAL ENGINEER

Esha K Modi

Authorized by "EOR"
08 Oct 2021 02:48:50 cosign

COA : PEC.0001553

Table of Contents

Introduction....3
Supporting Documents....3
Analysis....3
Conclusion....3
Existing and Reserved Equipment....4
Equipment to be Removed....4
Proposed Equipment....4
Structure Usages....5
Foundations....5
Deflection and Sway*....5
Standard Conditions....6
Calculations ....Attached

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 129 ft Monopine to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	Larson Camouflage Job #611200, dated September 19, 2002
Foundation Drawing	Larson Camouflage Job #611200, dated September 19, 2002
Geotechnical Report	Berkshire Geo-Technologies Project #106933, dated July 16, 2012

Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

Basic Wind Speed:	115 mph (3-second gust)
Basic Wind Speed w/ Ice:	50 mph (3-second gust) w/ 1.00" radial ice concurrent
Code:	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	C
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	Ss = 0.19, S_1 = 0.06
Site Class:	D - Stiff Soil - Default

****Wind load and Ice thickness have been reduced by applicable existing structure load modification factors in accordance with TIA-222-H, Annex S.**

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

Existing and Reserved Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
126.0	3	Ericsson RRUS 4478 B14	Round T-Arms with Site Pro 1 Handrail Kit	(3) 3" conduit (1) 2" conduit (3) 0.39" (10mm) Fiber Trunk (3) 0.45" (11.5mm) Fiber (6) 0.78" (19.7mm) 8 AWG 6	AT&T MOBILITY
	3	Ericsson RRUS 4449 B5, B12			
	3	Raycap DC2-48-60-8-18F-02			
	3	Ericsson RRUS 11 B5			
	3	CCI HPA-65R-BUU-H8			
	3	CCI DMP65R-BU8D			
	3	CCI OPA65R-BU8D			
	3	Ericsson RRUS 8843 B2, B66A			
	3	Commscope SBNH-1D6565C			
114.0	6	Commscope JAHH-65B-R3B	Sector Frame	(2) 1 5/8" (1.63"-41.3mm) Fiber	VERIZON WIRELESS

Equipment to be Removed

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
114.0	3	Nokia B5 RRH4x40-850	-	-	VERIZON WIRELESS
	3	Alcatel-Lucent B25 RRH4x30			
	2	RFS DB-T1-6Z-8AB-0Z			
	3	Alcatel-Lucent B66A RRH 4x45			
	3	Alcatel-Lucent B13 RRH4x30-4R			

Proposed Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
114.0	3	Commscope CBC78T-DS-43-2X	Sector Frame	-	VERIZON WIRELESS
	3	Samsung B2/B66A RRH-BR049			
	3	Samsung B5/B13 RRH-BR04C			
	1	Raycap RCMDC-6627-PF-48			
	3	Samsung MT6407-77A			

[1] Contracted elevations are shown for appurtenances within contracted installation tolerances. Appurtenances outside of contract limits are shown at installed elevations.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	77%	Pass
Shaft	97%	Pass
Base Plate	28%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	3282.5	77%
Download (Kips)	36.3	20%
Shear (Kips)	32.8	42%

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
114.0	Commscope CBC78T-DS-43-2X	VERIZON WIRELESS	1.379	1.440
	Samsung B2/B66A RRH-BR049			
	Samsung MT6407-77A			
	Raycap RCMDC-6627-PF-48			
	Samsung B5/B13 RRH-BR04C			

***Deflection and Sway was evaluated considering a design wind speed of 60 mph (3-Second Gust) per ANSI/TIA-222-H**

Standard Conditions

All engineering services performed by A.T. Engineering Service, PLLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC and used in the performance of our engineering services is correct and complete.

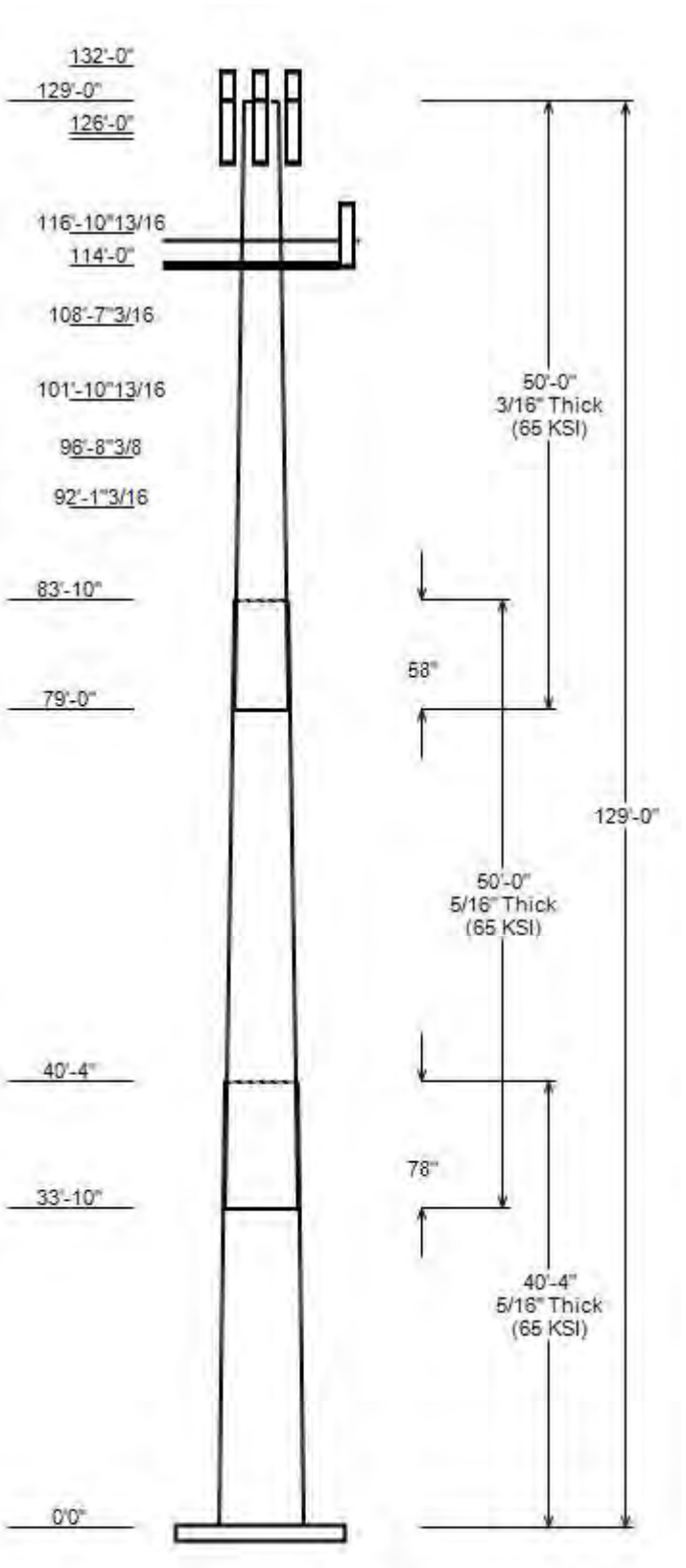
All assets of American Tower Corporation, its affiliates, and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

Unless explicitly agreed by both the client and A.T. Engineering Service, PLLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Service, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

JOB INFORMATION

Asset :	283424, WATERTOWN CT	Height :	129 ft
Client :	VERIZON WIRELESS	Base Width :	56.12
Code :	ANSI/TIA-222-H	Shape :	18 Sides



SITE PARAMETERS

Base Elev (ft):	0.00	Structure Class:	II
Taper :	0.28000 (In/ft)	Exposure :	C
Topographic Category :	1	Topographic Feature:	
Topo Method :	Method 1		

SECTION PROPERTIES

Shaft Section	Length (ft)	Diameter (in) Across Flats Top	Diameter (in) Across Flats Bottom	Thick (in)	Joint Type	Overlap Length (in)	Shape	Steel Grade (ksi)
1	40.333	44.83	56.12	0.312		0.000	18 Sides	65
2	50.000	33.27	47.27	0.312	Slip Joint	78.000	18 Sides	65
3	50.000	21.00	35.00	0.188	Slip Joint	58.000	18 Sides	65

DISCRETE APPURTENANCE

Attach Elev (ft)	Force Elev (ft)	Qty	Description
132.0	132.0	1	Top Hat
126.0	126.0	3	Ericsson RRUS 8843 B2, B66A
126.0	126.0	3	4' Pine Tree Branches
126.0	126.0	3	Ericsson RRUS 4478 B14
126.0	126.0	3	Ericsson RRUS 4449 B5, B12
126.0	129.0	3	Raycap DC2-48-60-8-18F-02
126.0	126.0	3	Ericsson RRUS 11 B5
126.0	129.0	3	Commscope SBNH-1D6565C
126.0	129.0	3	CCI HPA-65R-BUU-H8
126.0	126.0	3	Round T-Arms with Site Pro 1 H
126.0	126.0	3	CCI DMP65R-BU8D
126.0	126.0	3	CCI OPA65R-BU8D
125.5	125.5	23	4' Pine Tree Branches
116.9	116.9	24	6' Pine Tree Branches
114.0	114.0	3	Nokia B5 RRH4x40-850
114.0	116.0	3	Alcatel-Lucent B25 RRH4x30
114.0	114.0	3	Alcatel-Lucent B13 RRH4x30-4R
114.0	114.0	3	Alcatel-Lucent B66A RRH 4x45
114.0	116.0	2	RFS DB-T1-6Z-8AB-0Z
114.0	116.0	6	Commscope JAHH-65B-R3B
114.0	114.0	3	Generic Round Sector Frame
108.6	108.6	24	6' Pine Tree Branches
101.9	101.9	15	8' Pine Tree Branches
96.7	96.7	15	8' Pine Tree Branches
92.1	92.1	12	10' Pine Tree Branches

LINEAR APPURTENANCE

Elev From (ft)	Elev To (ft)	Description	Exp To Wind
0.0	127.0	2" conduit	No
0.0	126.0	3" conduit	No
0.0	126.0	0.78" (19.7mm) 8 AWG 6	No
0.0	126.0	0.45" (11.5mm) Fiber	No
0.0	126.0	0.39" (10mm) Fiber Trunk	No
0.0	114.0	1 5/8" (1.63"-41.3mm) Fiber	No

LOAD CASES

1.2D + 1.0W Normal	112.09 mph wind with no ice
0.9D + 1.0W Normal	112.09 mph wind with no ice
1.2D + 1.0Di + 1.0Wi Nor	48.73 mph wind with 0.850" radial
1.2D + 1.0Ev + 1.0Eh Nor	Seismic
0.9D - 1.0Ev + 1.0Eh Nor	Seismic (Reduced DL)
1.0D + 1.0W Service Norm	60 mph Wind with No Ice

JOB INFORMATION			
Asset :	283424, WATERTOWN CT	Height :	129 ft
Client :	VERIZON WIRELESS	Base Width :	56.12
Code :	ANSI/TIA-222-H	Shape :	18 Sides

REACTIONS

Load Case	Moment (kip-ft)	Shear (Kip)	Axial (Kip)
1.2D + 1.0W Normal	3282.49	32.81	36.21
0.9D + 1.0W Normal	3255.88	32.80	27.14
1.2D + 1.0Di + 1.0Wi Normal	883.41	9.02	46.60
1.2D + 1.0Ev + 1.0Eh Normal	119.12	1.14	36.12
0.9D - 1.0Ev + 1.0Eh Normal	117.95	1.14	25.05
1.0D + 1.0W Service Normal	838.05	8.41	30.22

DISH DEFLECTIONS

Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)

ANALYSIS PARAMETERS

Location:	Litchfield County,CT	Height:	129 ft
Type and Shape:	Taper, 18 Sides	Base Diameter:	56.12 in
Manufacturer:	Undetermined	Top Diameter:	21.00 in
K_d (non-service):	0.95	Taper:	0.2800 in/ft
K_e:	0.97	Rotation:	0.000°

ICE & WIND PARAMETERS

Exposure Category:	C	Design Wind Speed w/o Ice:	112 mph
Risk Category:	II	Design Wind Speed w/Ice:	49 mph
Topo Factor Procedure:	Method 1	Operational Wind Speed:	60 mph
Topographic Category:	1	Design Ice Thickness:	0.85 in
Crest Height:	0 ft	HMSL:	833.00 ft

SEISMIC PARAMETERS

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil			Period Based on Rayleigh Method (sec):	1.84
T_L (sec):	6	P:	1	$C_{s:}$	0.038
$S_{s:}$	0.188	$S_{1:}$	0.065	C_s Max:	0.038
$F_{a:}$	1.600	$F_{v:}$	2.400	C_s Min:	0.030
$S_{ds:}$	0.201	$S_{d1:}$	0.104		

LOAD CASES

1.2D + 1.0W Normal	112.09 mph wind with no ice
0.9D + 1.0W Normal	112.09 mph wind with no ice
1.2D + 1.0Di + 1.0Wi Normal	48.73 mph wind with 0.850" radial ice
1.2D + 1.0Ev + 1.0Eh Normal	Seismic
0.9D - 1.0Ev + 1.0Eh Normal	Seismic (Reduced DL)
1.0D + 1.0W Service Normal	60 mph Wind with No Ice

ASSET:	283424, WATERTOWN CT	CODE:	ANSI/TIA-222-H
CUSTOMER:	VERIZON WIRELESS	ENG NO:	13668995_C3_03

SHAFT SECTION PROPERTIES

							Bottom						Top					
Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint len (in)	Weight (lb)	Dia (in)	Elev (ft)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper (in/ft)
1-18	40.33	0.3125	65		0.00	6,828	56.12	-0.003	55.35	21,780.7	29.90	179.58	44.83	40.33	44.15	11,053.2	23.53	143.45	0.2800
2-18	50.00	0.3125	65	Slip	78.00	6,743	47.27	33.830	46.58	12,976.4	24.91	151.27	33.27	83.83	32.69	4,486.7	17.01	106.47	0.2800
3-18	50.00	0.1875	65	Slip	58.00	2,816	35.00	79.000	20.72	3,172.1	31.15	186.67	21.00	129.00	12.39	677.8	17.99	112.00	0.2800
				Shaft Weight		16,387													

DISCRETE APPURTENANCE PROPERTIES

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice Weight (lb)	No Ice EPAa (sf)	No Ice Orientation Factor	Ice Weight (lb)	Ice EPAa (sf)	Ice Orientation Factor
132.00	Top Hat	1	1.00	0.000	118.00	19.800	1.00	163.93	27.506	1.00
126.00	CCI DMP65R-BU8D	3	0.80	0.000	95.70	17.871	0.63	285.32	19.927	0.63
126.00	CCI OPA65R-BU8D	3	0.80	0.000	76.50	18.089	0.63	268.87	20.149	0.63
126.00	Round T-Arms with Site Pro 1 H	3	0.75	0.000	300.00	14.400	0.67	416.60	19.997	0.67
126.00	CCI HPA-65R-BUU-H8	3	0.80	3.000	68.00	12.976	0.67	211.35	14.973	0.67
126.00	Commscope SBNH-1D6565C	3	0.80	3.000	60.80	11.440	0.70	188.81	13.245	0.70
126.00	Ericsson RRUS 11 B5	3	0.80	0.000	50.70	2.791	0.50	91.10	3.403	0.50
126.00	Raycap DC2-48-60-8-18F-02	3	0.80	3.000	14.50	2.496	0.67	49.71	3.074	0.67
126.00	Ericsson RRUS 4449 B5, B12	3	0.80	0.000	71.00	1.969	0.50	106.96	2.489	0.50
126.00	Ericsson RRUS 4478 B14	3	0.80	0.000	59.90	1.842	0.50	90.75	2.342	0.50
126.00	4' Pine Tree Branches	3	1.00	0.000	26.00	1.710	1.00	36.11	2.375	1.00
126.00	Ericsson RRUS 8843 B2, B66A	3	0.80	0.000	72.00	1.639	0.50	106.20	2.110	0.50
125.50	4' Pine Tree Branches	23	1.00	0.000	26.00	1.710	1.00	36.10	2.374	1.00
116.90	6' Pine Tree Branches	24	1.00	0.000	40.00	2.430	1.00	55.42	3.367	1.00
114.00	Nokia B5 RRH4x40-850	3	0.80	0.000	48.50	1.322	0.50	71.25	1.742	0.50
114.00	Alcatel-Lucent B66A RRH 4x45	3	0.80	0.000	67.00	2.580	0.67	106.23	3.202	0.67
114.00	Alcatel-Lucent B13 RRH4x30-4R	3	0.80	0.000	57.80	2.140	0.67	95.84	2.691	0.67
114.00	Alcatel-Lucent B25 RRH4x30	3	0.80	2.000	53.00	2.120	0.67	86.29	2.667	0.67
114.00	Commscope JAHH-65B-R3B	6	0.80	2.000	60.60	9.113	0.69	172.17	10.643	0.69
114.00	Generic Round Sector Frame	3	0.75	0.000	300.00	14.400	0.67	502.85	23.528	0.67
114.00	RFS DB-T1-6Z-8AB-0Z	2	0.80	2.000	44.00	4.800	0.72	113.41	5.584	0.72
108.60	6' Pine Tree Branches	24	1.00	0.000	40.00	2.430	1.00	55.29	3.359	1.00
101.90	8' Pine Tree Branches	15	1.00	0.000	50.00	3.150	1.00	69.01	4.348	1.00
96.70	8' Pine Tree Branches	15	1.00	0.000	50.00	3.150	1.00	68.91	4.342	1.00
92.10	10' Pine Tree Branches	12	1.00	0.000	66.00	3.860	1.00	90.84	5.313	1.00
Totals	Num Loadings: 25	170			9,643.80			16,212.71		

LINEAR APPURTENANCE PROPERTIES

Load Case Azimuth (deg) : _

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax/ Row	Dist Between Rows(in)	Dist Between Cols(in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	127.00	1	2" conduit	2.38	3.65	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	126.00	6	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	126.00	3	0.39" (10mm) Fiber Tr	0.39	0.06	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	126.00	3	3" conduit	3.5	7.58	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	126.00	3	0.45" (11.5mm) Fiber	0.45	0.08	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	114.00	2	1 5/8" (1.63"-41.3mm)	1.63	1.61	N	0	0	0	0	0	N	VERIZON WIREL

SEGMENT PROPERTIES

(Max Len: 5.ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)
0.00		0.3125	56.120	55.352	21,780.70	29.90	179.58	66.2	764.4	0.0	0.0
5.00		0.3125	54.720	53.963	20,182.30	29.11	175.10	67.2	726.5	0.0	929.9
10.00		0.3125	53.320	52.575	18,664.10	28.32	170.62	68.1	689.4	0.0	906.3
15.00		0.3125	51.920	51.186	17,224.00	27.53	166.14	69	653.4	0.0	882.7
20.00		0.3125	50.520	49.798	15,859.90	26.74	161.66	69.9	618.3	0.0	859.1
25.00		0.3125	49.120	48.409	14,569.80	25.95	157.18	70.9	584.2	0.0	835.4
30.00		0.3125	47.720	47.021	13,351.70	25.16	152.70	71.8	551.1	0.0	811.8
33.83	Bot - Section 2	0.3125	46.647	45.956	12,465.20	24.56	149.27	72.5	526.3	0.0	606.4
35.00		0.3125	46.320	45.632	12,203.40	24.37	148.22	72.7	518.9	0.0	366.1
40.00		0.3125	44.920	44.243	11,122.90	23.58	143.74	73.7	487.7	0.0	1,539.7
40.33	Top - Section 1	0.3125	45.452	44.771	11,525.40	23.88	145.45	73.3	499.4	0.0	101.0
45.00		0.3125	44.145	43.475	10,553.20	23.15	141.26	74.2	470.9	0.0	700.7
50.00		0.3125	42.745	42.086	9,573.90	22.36	136.78	75.1	441.2	0.0	727.9
55.00		0.3125	41.345	40.698	8,657.20	21.57	132.30	76	412.4	0.0	704.2
60.00		0.3125	39.945	39.309	7,801.00	20.78	127.82	77	384.7	0.0	680.6
65.00		0.3125	38.545	37.920	7,003.10	19.99	123.34	77.9	357.9	0.0	657.0
70.00		0.3125	37.145	36.532	6,261.60	19.20	118.86	78.8	332.0	0.0	633.4
75.00		0.3125	35.745	35.143	5,574.40	18.41	114.38	79.8	307.2	0.0	609.7
79.00	Bot - Section 3	0.3125	34.625	34.032	5,062.30	17.77	110.80	80.5	288.0	0.0	470.8
80.00		0.3125	34.345	33.755	4,939.40	17.62	109.90	80.7	283.3	0.0	185.6
83.83	Top - Section 2	0.1875	33.647	19.912	2,816.40	29.88	179.45	66.3	164.9	0.0	697.2
85.00		0.1875	33.320	19.717	2,734.70	29.57	177.71	66.6	161.7	0.0	78.7
90.00		0.1875	31.920	18.884	2,402.50	28.25	170.24	68.2	148.2	0.0	328.4
92.10		0.1875	31.332	18.534	2,271.40	27.70	167.10	68.8	142.8	0.0	133.7
95.00		0.1875	30.520	18.051	2,098.30	26.94	162.77	69.7	135.4	0.0	180.5
96.70		0.1875	30.044	17.768	2,001.10	26.49	160.23	70.2	131.2	0.0	103.6
100.00		0.1875	29.120	17.218	1,821.00	25.62	155.31	71.3	123.2	0.0	196.4
101.90		0.1875	28.588	16.901	1,722.40	25.12	152.47	71.9	118.7	0.0	110.3
105.00		0.1875	27.720	16.385	1,569.20	24.30	147.84	72.8	111.5	0.0	175.6
108.60		0.1875	26.712	15.785	1,403.10	23.36	142.46	73.9	103.5	0.0	197.0
110.00		0.1875	26.320	15.552	1,341.80	22.99	140.37	74.4	100.4	0.0	74.6
114.00		0.1875	25.200	14.885	1,176.60	21.94	134.40	75.6	92.0	0.0	207.1
115.00		0.1875	24.920	14.718	1,137.50	21.67	132.91	75.9	89.9	0.0	50.4
116.90		0.1875	24.388	14.402	1,065.70	21.17	130.07	76.5	86.1	0.0	94.1
120.00		0.1875	23.520	13.885	955.10	20.36	125.44	77.5	80.0	0.0	149.2
125.00		0.1875	22.120	13.052	793.20	19.04	117.97	79	70.6	0.0	229.2
125.50		0.1875	21.980	12.969	778.20	18.91	117.23	79.2	69.7	0.0	22.1
126.00		0.1875	21.840	12.885	763.30	18.78	116.48	79.3	68.8	0.0	22.0
129.00		0.1875	21.000	12.386	677.80	17.99	112.00	80.2	63.6	0.0	129.0
								Totals:			16,387.4

Load Case: 1.2D + 1.0W Normal — 112.09 mph wind with no ice — 23 Iterations
Gust Response Factor: 1.10
Dead load Factor: 1.20
Wind Load Factor: 1.00

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-36.21	-32.81	0.00	-3,282.5	0.00	3,282.49	3,299.40	971.43	4,896.32	3,797.13	0	0	0.877
5.00	-34.77	-32.47	0.00	-3,118.4	0.00	3,118.44	3,261.75	947.06	4,653.77	3,659.11	0.11	-0.21	0.864
10.00	-33.37	-32.13	0.00	-2,956.1	0.00	2,956.09	3,221.78	922.69	4,417.37	3,520.74	0.45	-0.42	0.851
15.00	-31.99	-31.79	0.00	-2,795.4	0.00	2,795.43	3,179.49	898.32	4,187.13	3,382.22	1.01	-0.64	0.838
20.00	-30.64	-31.44	0.00	-2,636.5	0.00	2,636.46	3,134.88	873.95	3,963.06	3,243.76	1.8	-0.87	0.824
25.00	-29.31	-31.07	0.00	-2,479.3	0.00	2,479.26	3,087.95	849.58	3,745.15	3,105.54	2.83	-1.1	0.809
30.00	-28.04	-30.73	0.00	-2,323.9	0.00	2,323.90	3,038.69	825.21	3,533.40	2,967.79	4.11	-1.33	0.794
33.83	-27.10	-30.53	0.00	-2,206.1	0.00	2,206.09	2,999.35	806.53	3,375.23	2,862.62	5.25	-1.52	0.781
35.00	-26.54	-30.29	0.00	-2,170.5	0.00	2,170.47	2,987.11	800.84	3,327.81	2,830.70	5.63	-1.57	0.777
40.00	-24.43	-30.03	0.00	-2,019.0	0.00	2,019.01	2,933.21	776.47	3,128.38	2,694.46	7.41	-1.82	0.759
40.33	-24.24	-29.84	0.00	-2,009.0	0.00	2,009.00	2,953.95	785.73	3,203.39	2,746.09	7.54	-1.84	0.741
45.00	-23.10	-29.44	0.00	-1,869.7	0.00	1,869.73	2,902.37	762.98	3,020.63	2,619.49	9.45	-2.07	0.723
50.00	-21.92	-29.03	0.00	-1,722.5	0.00	1,722.51	2,844.86	738.61	2,830.78	2,485.00	11.75	-2.31	0.702
55.00	-20.77	-28.61	0.00	-1,577.4	0.00	1,577.38	2,785.03	714.24	2,647.08	2,351.89	14.3	-2.56	0.680
60.00	-19.66	-28.19	0.00	-1,434.3	0.00	1,434.34	2,722.88	689.87	2,469.55	2,220.35	17.11	-2.8	0.655
65.00	-18.57	-27.77	0.00	-1,293.4	0.00	1,293.40	2,658.40	665.50	2,298.18	2,090.60	20.18	-3.05	0.627
70.00	-17.52	-27.36	0.00	-1,154.6	0.00	1,154.55	2,591.60	641.14	2,132.97	1,962.83	23.51	-3.3	0.597
75.00	-16.50	-26.98	0.00	-1,017.8	0.00	1,017.77	2,522.48	616.77	1,973.93	1,837.26	27.09	-3.55	0.562
79.00	-15.74	-26.75	0.00	-909.9	0.00	909.87	2,465.51	597.27	1,851.13	1,738.50	30.15	-3.74	0.532
80.00	-15.43	-26.57	0.00	-883.1	0.00	883.11	2,451.04	592.40	1,821.04	1,714.07	30.94	-3.79	0.524
83.83	-14.40	-26.32	0.00	-781.3	0.00	781.28	1,187.39	349.45	1,056.01	819.28	34.06	-3.98	0.971
85.00	-14.18	-26.11	0.00	-750.6	0.00	750.57	1,182.21	346.04	1,035.49	807.70	35.04	-4.03	0.947
90.00	-13.50	-25.84	0.00	-620.0	0.00	620.01	1,158.57	331.42	949.84	757.92	39.46	-4.39	0.836
92.10	-12.40	-23.72	0.00	-565.7	0.00	565.73	1,147.95	325.28	914.97	736.97	41.42	-4.54	0.784
95.00	-12.02	-23.55	0.00	-497.0	0.00	496.95	1,132.61	316.79	867.88	708.05	44.24	-4.73	0.718
96.70	-11.05	-21.37	0.00	-456.9	0.00	456.92	1,123.26	311.82	840.86	691.12	45.94	-4.84	0.676
100.00	-10.64	-21.17	0.00	-386.4	0.00	386.41	1,104.33	302.17	789.62	658.31	49.36	-5.04	0.602
101.90	-9.68	-18.96	0.00	-346.2	0.00	346.18	1,092.98	296.62	760.85	639.49	51.39	-5.15	0.554
105.00	-9.32	-18.72	0.00	-287.4	0.00	287.40	1,073.73	287.55	715.06	608.90	54.78	-5.31	0.485
108.60	-8.01	-15.98	0.00	-220.0	0.00	220.00	1,050.26	277.02	663.67	573.64	58.85	-5.48	0.394
110.00	-7.85	-15.80	0.00	-197.6	0.00	197.62	1,040.80	272.93	644.20	560.01	60.46	-5.53	0.364
114.00	-5.31	-12.40	0.00	-131.1	0.00	131.10	1,012.79	261.23	590.17	521.42	65.15	-5.68	0.259
115.00	-5.21	-12.30	0.00	-118.7	0.00	118.70	1,005.56	258.31	577.03	511.86	66.34	-5.71	0.239
116.90	-4.14	-9.54	0.00	-95.3	0.00	95.33	991.55	252.75	552.48	493.79	68.62	-5.76	0.199
120.00	-3.86	-9.26	0.00	-65.8	0.00	65.76	967.99	243.69	513.56	464.63	72.38	-5.82	0.147
125.00	-3.42	-9.05	0.00	-19.4	0.00	19.45	928.10	229.06	453.79	418.54	78.51	-5.89	0.052
125.50	-2.84	-7.25	0.00	-14.9	0.00	14.92	923.98	227.60	448.01	414.00	79.12	-5.89	0.040
126.00	-0.20	-0.98	0.00	-5.5	0.00	5.53	919.84	226.14	442.28	409.48	79.74	-5.89	0.014
129.00	0.00	-0.95	0.00	-2.6	0.00	2.60	894.51	217.37	408.63	382.62	83.44	-5.9	0.007

Load Case: 0.9D + 1.0W Normal — 112.09 mph wind with no ice — 23 Iterations
Gust Response Factor: 1.10
Dead load Factor: 0.90
Wind Load Factor: 1.00

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-27.14	-32.80	0.00	-3,255.9	0.00	3,255.88	3,299.40	971.43	4,896.32	3,797.13	0	0	0.867
5.00	-26.04	-32.42	0.00	-3,091.9	0.00	3,091.91	3,261.75	947.06	4,653.77	3,659.11	0.11	-0.21	0.854
10.00	-24.95	-32.05	0.00	-2,929.8	0.00	2,929.81	3,221.78	922.69	4,417.37	3,520.74	0.44	-0.42	0.841
15.00	-23.89	-31.68	0.00	-2,769.6	0.00	2,769.55	3,179.49	898.32	4,187.13	3,382.22	1	-0.64	0.828
20.00	-22.85	-31.30	0.00	-2,611.1	0.00	2,611.13	3,134.88	873.95	3,963.06	3,243.76	1.79	-0.86	0.814
25.00	-21.83	-30.91	0.00	-2,454.6	0.00	2,454.62	3,087.95	849.58	3,745.15	3,105.54	2.81	-1.09	0.799
30.00	-20.85	-30.55	0.00	-2,300.1	0.00	2,300.08	3,038.69	825.21	3,533.40	2,967.79	4.07	-1.32	0.783
33.83	-20.13	-30.34	0.00	-2,183.0	0.00	2,182.97	2,999.35	806.53	3,375.23	2,862.62	5.21	-1.5	0.771
35.00	-19.69	-30.08	0.00	-2,147.6	0.00	2,147.58	2,987.11	800.84	3,327.81	2,830.70	5.58	-1.56	0.767
40.00	-18.10	-29.82	0.00	-1,997.2	0.00	1,997.16	2,933.21	776.47	3,128.38	2,694.46	7.34	-1.8	0.749
40.33	-17.94	-29.62	0.00	-1,987.2	0.00	1,987.22	2,953.95	785.73	3,203.39	2,746.09	7.47	-1.82	0.731
45.00	-17.06	-29.21	0.00	-1,849.0	0.00	1,848.98	2,902.37	762.98	3,020.63	2,619.49	9.36	-2.05	0.713
50.00	-16.16	-28.77	0.00	-1,703.0	0.00	1,702.95	2,844.86	738.61	2,830.78	2,485.00	11.64	-2.29	0.692
55.00	-15.27	-28.34	0.00	-1,559.1	0.00	1,559.08	2,785.03	714.24	2,647.08	2,351.89	14.16	-2.53	0.670
60.00	-14.41	-27.91	0.00	-1,417.4	0.00	1,417.37	2,722.88	689.87	2,469.55	2,220.35	16.94	-2.77	0.645
65.00	-13.57	-27.48	0.00	-1,277.8	0.00	1,277.82	2,658.40	665.50	2,298.18	2,090.60	19.98	-3.02	0.618
70.00	-12.76	-27.06	0.00	-1,140.4	0.00	1,140.39	2,591.60	641.14	2,132.97	1,962.83	23.28	-3.27	0.588
75.00	-11.98	-26.68	0.00	-1,005.1	0.00	1,005.09	2,522.48	616.77	1,973.93	1,837.26	26.83	-3.51	0.554
79.00	-11.40	-26.46	0.00	-898.4	0.00	898.37	2,465.51	597.27	1,851.13	1,738.50	29.85	-3.7	0.523
80.00	-11.16	-26.27	0.00	-871.9	0.00	871.91	2,451.04	592.40	1,821.04	1,714.07	30.63	-3.75	0.515
83.83	-10.38	-26.03	0.00	-771.2	0.00	771.23	1,187.39	349.45	1,056.01	819.28	33.72	-3.93	0.956
85.00	-10.20	-25.81	0.00	-740.9	0.00	740.86	1,182.21	346.04	1,035.49	807.70	34.69	-3.99	0.931
90.00	-9.66	-25.53	0.00	-611.8	0.00	611.81	1,158.57	331.42	949.84	757.92	39.06	-4.34	0.822
92.10	-8.86	-23.42	0.00	-558.2	0.00	558.19	1,147.95	325.28	914.97	736.97	41	-4.49	0.770
95.00	-8.57	-23.25	0.00	-490.3	0.00	490.27	1,132.61	316.79	867.88	708.05	43.78	-4.68	0.705
96.70	-7.87	-21.08	0.00	-450.8	0.00	450.75	1,123.26	311.82	840.86	691.12	45.47	-4.79	0.664
100.00	-7.55	-20.89	0.00	-381.2	0.00	381.17	1,104.33	302.17	789.62	658.31	48.85	-4.98	0.591
101.90	-6.87	-18.70	0.00	-341.5	0.00	341.49	1,092.98	296.62	760.85	639.49	50.85	-5.09	0.544
105.00	-6.59	-18.46	0.00	-283.5	0.00	283.53	1,073.73	287.55	715.06	608.90	54.21	-5.25	0.476
108.60	-5.66	-15.75	0.00	-217.1	0.00	217.09	1,050.26	277.02	663.67	573.64	58.23	-5.41	0.387
110.00	-5.54	-15.56	0.00	-195.0	0.00	195.04	1,040.80	272.93	644.20	560.01	59.82	-5.47	0.357
114.00	-3.70	-12.23	0.00	-129.5	0.00	129.46	1,012.79	261.23	590.17	521.42	64.46	-5.61	0.254
115.00	-3.63	-12.14	0.00	-117.2	0.00	117.22	1,005.56	258.31	577.03	511.86	65.64	-5.64	0.235
116.90	-2.89	-9.41	0.00	-94.2	0.00	94.16	991.55	252.75	552.48	493.79	67.89	-5.69	0.195
120.00	-2.68	-9.14	0.00	-65.0	0.00	65.01	967.99	243.69	513.56	464.63	71.6	-5.76	0.144
125.00	-2.35	-8.94	0.00	-19.3	0.00	19.32	928.10	229.06	453.79	418.54	77.66	-5.82	0.050
125.50	-1.96	-7.16	0.00	-14.8	0.00	14.85	923.98	227.60	448.01	414.00	78.27	-5.82	0.039
126.00	-0.13	-0.97	0.00	-5.5	0.00	5.51	919.84	226.14	442.28	409.48	78.88	-5.82	0.014
129.00	0.00	-0.95	0.00	-2.6	0.00	2.60	894.51	217.37	408.63	382.62	82.53	-5.83	0.007

Load Case: 1.2D + 1.0Di + 1.0Wi Normal		48.73 mph wind with 0.850" radial ice			22 Iterations
Gust Response Factor:	1.10	Ice Dead Load Factor	1.00		
Dead load Factor:	1.20			Ice Importance Factor	1.00
Wind Load Factor:	1.00				

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-46.60	-9.02	0.00	-883.4	0.00	883.41	3,299.40	971.43	4,896.32	3,797.13	0	0	0.247
5.00	-45.05	-8.92	0.00	-838.3	0.00	838.30	3,261.75	947.06	4,653.77	3,659.11	0.03	-0.06	0.243
10.00	-43.50	-8.81	0.00	-793.7	0.00	793.72	3,221.78	922.69	4,417.37	3,520.74	0.12	-0.11	0.239
15.00	-41.98	-8.71	0.00	-749.6	0.00	749.65	3,179.49	898.32	4,187.13	3,382.22	0.27	-0.17	0.235
20.00	-40.48	-8.60	0.00	-706.1	0.00	706.11	3,134.88	873.95	3,963.06	3,243.76	0.48	-0.23	0.231
25.00	-39.01	-8.49	0.00	-663.1	0.00	663.11	3,087.95	849.58	3,745.15	3,105.54	0.76	-0.29	0.226
30.00	-37.57	-8.38	0.00	-620.7	0.00	620.69	3,038.69	825.21	3,533.40	2,967.79	1.1	-0.36	0.222
33.83	-36.49	-8.32	0.00	-588.6	0.00	588.57	2,999.35	806.53	3,375.23	2,862.62	1.41	-0.41	0.218
35.00	-35.94	-8.24	0.00	-578.9	0.00	578.86	2,987.11	800.84	3,327.81	2,830.70	1.51	-0.42	0.217
40.00	-33.64	-8.16	0.00	-537.6	0.00	537.65	2,933.21	776.47	3,128.38	2,694.46	1.99	-0.49	0.211
40.33	-33.48	-8.10	0.00	-534.9	0.00	534.93	2,953.95	785.73	3,203.39	2,746.09	2.02	-0.49	0.206
45.00	-32.22	-7.98	0.00	-497.1	0.00	497.11	2,902.37	762.98	3,020.63	2,619.49	2.53	-0.55	0.201
50.00	-30.89	-7.85	0.00	-457.2	0.00	457.21	2,844.86	738.61	2,830.78	2,485.00	3.15	-0.62	0.195
55.00	-29.61	-7.72	0.00	-418.0	0.00	417.97	2,785.03	714.24	2,647.08	2,351.89	3.83	-0.68	0.188
60.00	-28.35	-7.59	0.00	-379.4	0.00	379.38	2,722.88	689.87	2,469.55	2,220.35	4.58	-0.75	0.181
65.00	-27.13	-7.46	0.00	-341.4	0.00	341.45	2,658.40	665.50	2,298.18	2,090.60	5.4	-0.81	0.174
70.00	-25.95	-7.32	0.00	-304.2	0.00	304.17	2,591.60	641.14	2,132.97	1,962.83	6.29	-0.88	0.165
75.00	-24.80	-7.20	0.00	-267.6	0.00	267.55	2,522.48	616.77	1,973.93	1,837.26	7.24	-0.94	0.156
79.00	-23.90	-7.13	0.00	-238.7	0.00	238.73	2,465.51	597.27	1,851.13	1,738.50	8.06	-1	0.147
80.00	-23.60	-7.08	0.00	-231.6	0.00	231.60	2,451.04	592.40	1,821.04	1,714.07	8.27	-1.01	0.145
83.83	-22.45	-7.00	0.00	-204.5	0.00	204.48	1,187.39	349.45	1,056.01	819.28	9.1	-1.06	0.269
85.00	-22.25	-6.93	0.00	-196.3	0.00	196.32	1,182.21	346.04	1,035.49	807.70	9.36	-1.07	0.262
90.00	-21.46	-6.85	0.00	-161.6	0.00	161.64	1,158.57	331.42	949.84	757.92	10.53	-1.17	0.232
92.10	-19.97	-6.28	0.00	-147.3	0.00	147.26	1,147.95	325.28	914.97	736.97	11.06	-1.2	0.218
95.00	-19.53	-6.23	0.00	-129.0	0.00	129.05	1,132.61	316.79	867.88	708.05	11.8	-1.25	0.200
96.70	-18.17	-5.64	0.00	-118.5	0.00	118.46	1,123.26	311.82	840.86	691.12	12.26	-1.28	0.188
100.00	-17.68	-5.58	0.00	-99.8	0.00	99.84	1,104.33	302.17	789.62	658.31	13.16	-1.33	0.168
101.90	-16.31	-4.99	0.00	-89.2	0.00	89.24	1,092.98	296.62	760.85	639.49	13.7	-1.36	0.155
105.00	-15.87	-4.91	0.00	-73.8	0.00	73.79	1,073.73	287.55	715.06	608.90	14.6	-1.4	0.136
108.60	-13.96	-4.17	0.00	-56.1	0.00	56.12	1,050.26	277.02	663.67	573.64	15.67	-1.45	0.111
110.00	-13.77	-4.11	0.00	-50.3	0.00	50.28	1,040.80	272.93	644.20	560.01	16.1	-1.46	0.103
114.00	-9.47	-3.20	0.00	-33.1	0.00	33.11	1,012.79	261.23	590.17	521.42	17.34	-1.5	0.073
115.00	-9.34	-3.17	0.00	-29.9	0.00	29.91	1,005.56	258.31	577.03	511.86	17.65	-1.5	0.068
116.90	-7.70	-2.42	0.00	-23.9	0.00	23.90	991.55	252.75	552.48	493.79	18.25	-1.52	0.056
120.00	-7.31	-2.33	0.00	-16.4	0.00	16.40	967.99	243.69	513.56	464.63	19.25	-1.53	0.043
125.00	-6.72	-2.26	0.00	-4.8	0.00	4.77	928.10	229.06	453.79	418.54	20.86	-1.55	0.019
125.50	-5.78	-1.77	0.00	-3.6	0.00	3.64	923.98	227.60	448.01	414.00	21.02	-1.55	0.015
126.00	-0.41	-0.27	0.00	-1.5	0.00	1.49	919.84	226.14	442.28	409.48	21.19	-1.55	0.004
129.00	0.00	-0.26	0.00	-0.7	0.00	0.68	894.51	217.37	408.63	382.62	22.16	-1.55	0.002

Load Case: 1.0D + 1.0W Service Normal 60 mph Wind with No Ice 22 Iterations
Gust Response Factor: 1.10
Dead load Factor: 1.00
Wind Load Factor: 1.00

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-30.22	-8.41	0.00	-838.0	0.00	838.05	3,299.40	971.43	4,896.32	3,797.13	0	0	0.230
5.00	-29.12	-8.32	0.00	-796.0	0.00	796.01	3,261.75	947.06	4,653.77	3,659.11	0.03	-0.05	0.227
10.00	-28.03	-8.22	0.00	-754.4	0.00	754.43	3,221.78	922.69	4,417.37	3,520.74	0.11	-0.11	0.223
15.00	-26.98	-8.13	0.00	-713.3	0.00	713.31	3,179.49	898.32	4,187.13	3,382.22	0.26	-0.16	0.219
20.00	-25.94	-8.04	0.00	-672.6	0.00	672.65	3,134.88	873.95	3,963.06	3,243.76	0.46	-0.22	0.216
25.00	-24.93	-7.94	0.00	-632.5	0.00	632.46	3,087.95	849.58	3,745.15	3,105.54	0.72	-0.28	0.212
30.00	-23.94	-7.85	0.00	-592.8	0.00	592.77	3,038.69	825.21	3,533.40	2,967.79	1.05	-0.34	0.208
33.83	-23.21	-7.80	0.00	-562.7	0.00	562.68	2,999.35	806.53	3,375.23	2,862.62	1.34	-0.39	0.204
35.00	-22.80	-7.73	0.00	-553.6	0.00	553.58	2,987.11	800.84	3,327.81	2,830.70	1.44	-0.4	0.203
40.00	-21.08	-7.67	0.00	-514.9	0.00	514.92	2,933.21	776.47	3,128.38	2,694.46	1.89	-0.46	0.198
40.33	-20.97	-7.62	0.00	-512.4	0.00	512.36	2,953.95	785.73	3,203.39	2,746.09	1.92	-0.47	0.194
45.00	-20.10	-7.51	0.00	-476.8	0.00	476.82	2,902.37	762.98	3,020.63	2,619.49	2.41	-0.53	0.189
50.00	-19.20	-7.40	0.00	-439.3	0.00	439.26	2,844.86	738.61	2,830.78	2,485.00	3	-0.59	0.184
55.00	-18.32	-7.30	0.00	-402.2	0.00	402.24	2,785.03	714.24	2,647.08	2,351.89	3.65	-0.65	0.178
60.00	-17.47	-7.19	0.00	-365.8	0.00	365.76	2,722.88	689.87	2,469.55	2,220.35	4.37	-0.71	0.171
65.00	-16.64	-7.08	0.00	-329.8	0.00	329.82	2,658.40	665.50	2,298.18	2,090.60	5.15	-0.78	0.164
70.00	-15.83	-6.97	0.00	-294.4	0.00	294.42	2,591.60	641.14	2,132.97	1,962.83	6	-0.84	0.156
75.00	-15.05	-6.88	0.00	-259.6	0.00	259.55	2,522.48	616.77	1,973.93	1,837.26	6.91	-0.9	0.147
79.00	-14.44	-6.82	0.00	-232.0	0.00	232.04	2,465.51	597.27	1,851.13	1,738.50	7.69	-0.95	0.139
80.00	-14.22	-6.77	0.00	-225.2	0.00	225.22	2,451.04	592.40	1,821.04	1,714.07	7.9	-0.97	0.137
83.83	-13.39	-6.71	0.00	-199.3	0.00	199.26	1,187.39	349.45	1,056.01	819.28	8.69	-1.01	0.255
85.00	-13.27	-6.66	0.00	-191.4	0.00	191.42	1,182.21	346.04	1,035.49	807.70	8.94	-1.03	0.249
90.00	-12.76	-6.59	0.00	-158.1	0.00	158.13	1,158.57	331.42	949.84	757.92	10.07	-1.12	0.220
92.10	-11.77	-6.05	0.00	-144.3	0.00	144.29	1,147.95	325.28	914.97	736.97	10.57	-1.16	0.206
95.00	-11.49	-6.00	0.00	-126.8	0.00	126.75	1,132.61	316.79	867.88	708.05	11.29	-1.21	0.190
96.70	-10.59	-5.45	0.00	-116.5	0.00	116.54	1,123.26	311.82	840.86	691.12	11.73	-1.23	0.178
100.00	-10.28	-5.40	0.00	-98.6	0.00	98.57	1,104.33	302.17	789.62	658.31	12.6	-1.29	0.159
101.90	-9.37	-4.83	0.00	-88.3	0.00	88.31	1,092.98	296.62	760.85	639.49	13.12	-1.31	0.147
105.00	-9.08	-4.77	0.00	-73.3	0.00	73.32	1,073.73	287.55	715.06	608.90	13.98	-1.35	0.129
108.60	-7.82	-4.07	0.00	-56.1	0.00	56.14	1,050.26	277.02	663.67	573.64	15.02	-1.4	0.106
110.00	-7.70	-4.03	0.00	-50.4	0.00	50.44	1,040.80	272.93	644.20	560.01	15.43	-1.41	0.098
114.00	-5.35	-3.16	0.00	-33.5	0.00	33.47	1,012.79	261.23	590.17	521.42	16.63	-1.45	0.070
115.00	-5.27	-3.14	0.00	-30.3	0.00	30.31	1,005.56	258.31	577.03	511.86	16.94	-1.46	0.065
116.90	-4.17	-2.43	0.00	-24.3	0.00	24.34	991.55	252.75	552.48	493.79	17.52	-1.47	0.054
120.00	-3.93	-2.36	0.00	-16.8	0.00	16.80	967.99	243.69	513.56	464.63	18.48	-1.49	0.040
125.00	-3.55	-2.31	0.00	-5.0	0.00	4.98	928.10	229.06	453.79	418.54	20.05	-1.5	0.016
125.50	-2.93	-1.85	0.00	-3.8	0.00	3.82	923.98	227.60	448.01	414.00	20.2	-1.5	0.012
126.00	-0.24	-0.25	0.00	-1.4	0.00	1.42	919.84	226.14	442.28	409.48	20.36	-1.5	0.004
129.00	0.00	-0.24	0.00	-0.7	0.00	0.67	894.51	217.37	408.63	382.62	21.3	-1.5	0.002

EQUIVALENT LATERAL FORCES METHOD ANALYSIS

(Based on ASCE7-16 Chapters 11, 12 and 15)

Spectral Response Acceleration for Short Period (S_S):	0.188
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.065
Long-Period Transition Period (T_L – Seconds):	6
Importance Factor (I_e):	1.000
Site Coefficient F_a:	1.600
Site Coefficient F_v:	2.400
Response Modification Coefficient (R):	1.500
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.201
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.104
Seismic Response Coefficient (C_s):	0.038
Upper Limit C_S:	0.038
Lower Limit C_S:	0.030
Period based on Rayleigh Method (sec):	1.840
Redundancy Factor (p):	1.000
Seismic Force Distribution Exponent (k):	1.670
Total Unfactored Dead Load:	30.230 k
Seismic Base Shear (E):	1.140 k

1.2D + 1.0Ev + 1.0Eh Normal **Seismic**

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
38	127.5	133	435	0.010	11	164
37	125.75	37	119	0.003	3	46
36	125.25	37	119	0.003	3	46
35	122.5	381	1,168	0.026	30	472
34	118.45	243	705	0.016	18	302
33	115.95	152	425	0.010	11	188
32	114.5	81	221	0.005	6	100
31	112	341	901	0.020	23	423
30	109.3	122	308	0.007	8	151
29	106.8	318	775	0.017	20	394
28	103.45	280	647	0.014	16	347
27	100.95	174	386	0.009	10	216
26	98.35	307	653	0.014	17	381
25	95.85	161	327	0.007	8	199
24	93.55	278	543	0.012	14	345
23	91.05	204	382	0.008	10	253
22	87.5	496	868	0.019	22	615
21	84.4167	118	194	0.004	5	146
20	81.9167	826	1,294	0.029	33	1,024
19	79.5	219	326	0.007	8	272
18	77	605	855	0.019	22	750
17	72.5	778	993	0.022	25	964
16	67.5	801	908	0.020	23	994
15	62.5	825	822	0.018	21	1,023
14	57.5	848	736	0.016	19	1,052
13	52.5	872	650	0.014	16	1,081
12	47.5	896	565	0.013	14	1,111
11	42.6667	857	452	0.010	11	1,063
10	40.1667	112	53	0.001	1	139
9	37.5	1,708	725	0.016	18	2,118
8	34.4167	405	149	0.003	4	503
7	31.9167	735	239	0.005	6	912
6	27.5	980	248	0.006	6	1,215
5	22.5	1,003	182	0.004	5	1,244

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
4	17.5	1,027	122	0.003	3	1,273
3	12.5	1,051	71	0.002	2	1,303
2	7.5	1,074	31	0.001	1	1,332
1	2.5	1,098	5	0.000	0	1,361
Top Hat	129	118	394	0.009	10	146
Ericsson RRUS 8843 B2, B66A	126	216	694	0.015	18	268
4' Pine Tree Branches	126	78	251	0.006	6	97
4' Pine Tree Branches	125.5	598	1,909	0.042	48	742
Ericsson RRUS 4478 B14	126	180	578	0.013	15	223
Ericsson RRUS 4449 B5, B12	126	213	685	0.015	17	264
Raycap DC2-48-60-8-18F-02	126	44	140	0.003	4	54
Ericsson RRUS 11 B5	126	152	489	0.011	12	189
Commscope SBNH-1D6565C	126	182	586	0.013	15	226
CCI HPA-65R-BUU-H8	126	204	656	0.015	17	253
Round T-Arms with Site Pro 1 Handrail Kit (Sector Frame)	126	900	2,893	0.064	73	1,116
CCI DMP65R-BU8D	126	287	923	0.020	23	356
CCI OPA65R-BU8D	126	230	738	0.016	19	285
6' Pine Tree Branches	116.9	960	2,723	0.061	69	1,191
6' Pine Tree Branches	108.6	960	2,408	0.054	61	1,191
Nokia B5 RRH4x40-850	114	146	396	0.009	10	180
Alcatel-Lucent B25 RRH4x30	114	159	432	0.010	11	197
Alcatel-Lucent B13 RRH4x30-4R	114	173	472	0.010	12	215
Alcatel-Lucent B66A RRH 4x45	114	201	547	0.012	14	249
RFS DB-T1-6Z-8AB-0Z	114	88	239	0.005	6	109
Commscope JAHH-65B-R3B	114	364	989	0.022	25	451
Generic Round Sector Frame	114	900	2,448	0.054	62	1,116
8' Pine Tree Branches	101.9	750	1,691	0.038	43	930
8' Pine Tree Branches	96.7	750	1,550	0.034	39	930
10' Pine Tree Branches	92.1	792	1,508	0.034	38	982
		30,226	44,939	1.000	1,139	37,483

0.9D - 1.0Ev + 1.0Eh Normal **Seismic (Reduced DL)**

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
38	127.5	133	435	0.010	11	114
37	125.75	37	119	0.003	3	32
36	125.25	37	119	0.003	3	32
35	122.5	381	1,168	0.026	30	328
34	118.45	243	705	0.016	18	209
33	115.95	152	425	0.010	11	131
32	114.5	81	221	0.005	6	69
31	112	341	901	0.020	23	294
30	109.3	122	308	0.007	8	105
29	106.8	318	775	0.017	20	273
28	103.45	280	647	0.014	16	240
27	100.95	174	386	0.009	10	150
26	98.35	307	653	0.014	17	264
25	95.85	161	327	0.007	8	138
24	93.55	278	543	0.012	14	239
23	91.05	204	382	0.008	10	176
22	87.5	496	868	0.019	22	427
21	84.4167	118	194	0.004	5	101
20	81.9167	826	1,294	0.029	33	710
19	79.5	219	326	0.007	8	188
18	77	605	855	0.019	22	520
17	72.5	778	993	0.022	25	669
16	67.5	801	908	0.020	23	689
15	62.5	825	822	0.018	21	709
14	57.5	848	736	0.016	19	730
13	52.5	872	650	0.014	16	750
12	47.5	896	565	0.013	14	770

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
11	42.6667	857	452	0.010	11	737
10	40.1667	112	53	0.001	1	96
9	37.5	1,708	725	0.016	18	1,468
8	34.4167	405	149	0.003	4	348
7	31.9167	735	239	0.005	6	632
6	27.5	980	248	0.006	6	842
5	22.5	1,003	182	0.004	5	863
4	17.5	1,027	122	0.003	3	883
3	12.5	1,051	71	0.002	2	903
2	7.5	1,074	31	0.001	1	924
1	2.5	1,098	5	0.000	0	944
Top Hat	129	118	394	0.009	10	101
Ericsson RRUS 8843 B2, B66A	126	216	694	0.015	18	186
4' Pine Tree Branches	126	78	251	0.006	6	67
4' Pine Tree Branches	125.5	598	1,909	0.042	48	514
Ericsson RRUS 4478 B14	126	180	578	0.013	15	155
Ericsson RRUS 4449 B5, B12	126	213	685	0.015	17	183
Raycap DC2-48-60-8-18F-02	126	44	140	0.003	4	37
Ericsson RRUS 11 B5	126	152	489	0.011	12	131
Commscope SBNH-1D6565C	126	182	586	0.013	15	157
CCI HPA-65R-BUU-H8	126	204	656	0.015	17	175
Round T-Arms with Site Pro 1 Handrail Kit (Sector Frame)	126	900	2,893	0.064	73	774
CCI DMP65R-BU8D	126	287	923	0.020	23	247
CCI OPA65R-BU8D	126	230	738	0.016	19	197
6' Pine Tree Branches	116.9	960	2,723	0.061	69	825
6' Pine Tree Branches	108.6	960	2,408	0.054	61	825
Nokia B5 RRH4x40-850	114	146	396	0.009	10	125
Alcatel-Lucent B25 RRH4x30	114	159	432	0.010	11	137
Alcatel-Lucent B13 RRH4x30-4R	114	173	472	0.010	12	149
Alcatel-Lucent B66A RRH 4x45	114	201	547	0.012	14	173
RFS DB-T1-6Z-8AB-0Z	114	88	239	0.005	6	76
Commscope JAHH-65B-R3B	114	364	989	0.022	25	313
Generic Round Sector Frame	114	900	2,448	0.054	62	774
8' Pine Tree Branches	101.9	750	1,691	0.038	43	645
8' Pine Tree Branches	96.7	750	1,550	0.034	39	645
10' Pine Tree Branches	92.1	792	1,508	0.034	38	681
		30,226	44,939	1.000	1,139	25,991

1.2D + 1.0Ev + 1.0Eh Normal **Seismic**

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-36.12	-1.14	0.00	-119.12	0.00	119.12	3,299.40	971.43	4,896	3,797.13	0.00	0.00	0.04
5.00	-34.79	-1.14	0.00	-113.42	0.00	113.42	3,261.75	947.06	4,654	3,659.11	0.00	-0.01	0.04
10.00	-33.49	-1.15	0.00	-107.70	0.00	107.70	3,221.78	922.69	4,417	3,520.74	0.02	-0.02	0.04
15.00	-32.21	-1.15	0.00	-101.96	0.00	101.96	3,179.49	898.32	4,187	3,382.22	0.04	-0.02	0.04
20.00	-30.97	-1.15	0.00	-96.23	0.00	96.23	3,134.88	873.95	3,963	3,243.76	0.07	-0.03	0.04
25.00	-29.75	-1.14	0.00	-90.49	0.00	90.49	3,087.95	849.58	3,745	3,105.54	0.10	-0.04	0.04
30.00	-28.84	-1.14	0.00	-84.77	0.00	84.77	3,038.69	825.21	3,533	2,967.79	0.15	-0.05	0.04
33.83	-28.34	-1.14	0.00	-80.39	0.00	80.39	2,999.35	806.53	3,375	2,862.62	0.19	-0.06	0.04
35.00	-26.22	-1.12	0.00	-79.06	0.00	79.06	2,987.11	800.84	3,328	2,830.70	0.21	-0.06	0.04
40.00	-26.08	-1.12	0.00	-73.46	0.00	73.46	2,933.21	776.47	3,128	2,694.46	0.27	-0.07	0.04
40.33	-25.02	-1.11	0.00	-73.08	0.00	73.08	2,953.95	785.73	3,203	2,746.09	0.27	-0.07	0.04
45.00	-23.91	-1.10	0.00	-67.90	0.00	67.90	2,902.37	762.98	3,021	2,619.49	0.34	-0.08	0.03
50.00	-22.83	-1.08	0.00	-62.40	0.00	62.40	2,844.86	738.61	2,831	2,485.00	0.43	-0.08	0.03
55.00	-21.77	-1.07	0.00	-56.97	0.00	56.97	2,785.03	714.24	2,647	2,351.89	0.52	-0.09	0.03
60.00	-20.75	-1.05	0.00	-51.63	0.00	51.63	2,722.88	689.87	2,470	2,220.35	0.62	-0.10	0.03
65.00	-19.76	-1.03	0.00	-46.39	0.00	46.39	2,658.40	665.50	2,298	2,090.60	0.73	-0.11	0.03
70.00	-18.79	-1.00	0.00	-41.26	0.00	41.26	2,591.60	641.14	2,133	1,962.83	0.86	-0.12	0.03
75.00	-18.04	-0.98	0.00	-36.24	0.00	36.24	2,522.48	616.77	1,974	1,837.26	0.99	-0.13	0.03
79.00	-17.77	-0.97	0.00	-32.32	0.00	32.32	2,465.51	597.27	1,851	1,738.50	1.10	-0.14	0.03
80.00	-16.75	-0.94	0.00	-31.34	0.00	31.34	2,451.04	592.40	1,821	1,714.07	1.13	-0.14	0.03
83.83	-16.60	-0.94	0.00	-27.74	0.00	27.74	1,187.39	349.45	1,056	819.28	1.24	-0.14	0.05

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
85.00	-15.99	-0.92	0.00	-26.64	0.00	26.64	1,182.21	346.04	1,035	807.70	1.27	-0.15	0.05
90.00	-15.73	-0.91	0.00	-22.07	0.00	22.07	1,158.57	331.42	950	757.92	1.43	-0.16	0.04
92.10	-14.41	-0.85	0.00	-20.16	0.00	20.16	1,147.95	325.28	915	736.97	1.50	-0.16	0.04
95.00	-14.21	-0.85	0.00	-17.69	0.00	17.69	1,132.61	316.79	868	708.05	1.61	-0.17	0.04
96.70	-12.90	-0.79	0.00	-16.25	0.00	16.25	1,123.26	311.82	841	691.12	1.67	-0.17	0.04
100.00	-12.68	-0.78	0.00	-13.66	0.00	13.66	1,104.33	302.17	790	658.31	1.79	-0.18	0.03
101.90	-11.40	-0.72	0.00	-12.18	0.00	12.18	1,092.98	296.62	761	639.49	1.86	-0.19	0.03
105.00	-11.01	-0.70	0.00	-9.96	0.00	9.96	1,073.73	287.55	715	608.90	1.99	-0.19	0.03
108.60	-9.67	-0.62	0.00	-7.46	0.00	7.46	1,050.26	277.02	664	573.64	2.13	-0.20	0.02
110.00	-9.24	-0.60	0.00	-6.59	0.00	6.59	1,040.80	272.93	644	560.01	2.19	-0.20	0.02
114.00	-6.63	-0.44	0.00	-4.19	0.00	4.19	1,012.79	261.23	590	521.42	2.36	-0.20	0.02
115.00	-6.44	-0.43	0.00	-3.74	0.00	3.74	1,005.56	258.31	577	511.86	2.40	-0.20	0.01
116.90	-4.95	-0.34	0.00	-2.92	0.00	2.92	991.55	252.75	552	493.79	2.48	-0.21	0.01
120.00	-4.47	-0.31	0.00	-1.86	0.00	1.86	967.99	243.69	514	464.63	2.62	-0.21	0.01
125.00	-4.43	-0.31	0.00	-0.31	0.00	0.31	928.10	229.06	454	418.54	2.84	-0.21	0.01
125.50	-3.64	-0.25	0.00	-0.16	0.00	0.16	923.98	227.60	448	414.00	2.86	-0.21	0.00
126.00	-0.15	-0.01	0.00	-0.03	0.00	0.03	919.84	226.14	442	409.48	2.88	-0.21	0.00
129.00	0.00	-0.01	0.00	0.00	0.00	0.00	894.51	217.37	409	382.62	3.01	-0.21	0.00

0.9D - 1.0Ev + 1.0Eh Normal **Seismic (Reduced DL)**

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-25.05	-1.14	0.00	-117.95	0.00	117.95	3,299.40	971.43	4,896	3,797.13	0.00	0.00	0.04
5.00	-24.12	-1.14	0.00	-112.26	0.00	112.26	3,261.75	947.06	4,654	3,659.11	0.00	-0.01	0.04
10.00	-23.22	-1.14	0.00	-106.55	0.00	106.55	3,221.78	922.69	4,417	3,520.74	0.02	-0.02	0.04
15.00	-22.34	-1.14	0.00	-100.83	0.00	100.83	3,179.49	898.32	4,187	3,382.22	0.04	-0.02	0.04
20.00	-21.47	-1.14	0.00	-95.12	0.00	95.12	3,134.88	873.95	3,963	3,243.76	0.06	-0.03	0.04
25.00	-20.63	-1.14	0.00	-89.41	0.00	89.41	3,087.95	849.58	3,745	3,105.54	0.10	-0.04	0.04
30.00	-20.00	-1.13	0.00	-83.72	0.00	83.72	3,038.69	825.21	3,533	2,967.79	0.15	-0.05	0.04
33.83	-19.65	-1.13	0.00	-79.38	0.00	79.38	2,999.35	806.53	3,375	2,862.62	0.19	-0.05	0.03
35.00	-18.18	-1.11	0.00	-78.06	0.00	78.06	2,987.11	800.84	3,328	2,830.70	0.20	-0.06	0.03
40.00	-18.09	-1.11	0.00	-72.50	0.00	72.50	2,933.21	776.47	3,128	2,694.46	0.27	-0.07	0.03
40.33	-17.35	-1.10	0.00	-72.13	0.00	72.13	2,953.95	785.73	3,203	2,746.09	0.27	-0.07	0.03
45.00	-16.58	-1.09	0.00	-66.99	0.00	66.99	2,902.37	762.98	3,021	2,619.49	0.34	-0.07	0.03
50.00	-15.83	-1.07	0.00	-61.54	0.00	61.54	2,844.86	738.61	2,831	2,485.00	0.42	-0.08	0.03
55.00	-15.10	-1.06	0.00	-56.17	0.00	56.17	2,785.03	714.24	2,647	2,351.89	0.51	-0.09	0.03
60.00	-14.39	-1.04	0.00	-50.89	0.00	50.89	2,722.88	689.87	2,470	2,220.35	0.62	-0.10	0.03
65.00	-13.70	-1.01	0.00	-45.71	0.00	45.71	2,658.40	665.50	2,298	2,090.60	0.73	-0.11	0.03
70.00	-13.03	-0.99	0.00	-40.63	0.00	40.63	2,591.60	641.14	2,133	1,962.83	0.85	-0.12	0.03
75.00	-12.51	-0.97	0.00	-35.68	0.00	35.68	2,522.48	616.77	1,974	1,837.26	0.97	-0.13	0.02
79.00	-12.32	-0.96	0.00	-31.81	0.00	31.81	2,465.51	597.27	1,851	1,738.50	1.08	-0.13	0.02
80.00	-11.61	-0.93	0.00	-30.85	0.00	30.85	2,451.04	592.40	1,821	1,714.07	1.11	-0.14	0.02
83.83	-11.51	-0.92	0.00	-27.29	0.00	27.29	1,187.39	349.45	1,056	819.28	1.22	-0.14	0.04
85.00	-11.08	-0.90	0.00	-26.22	0.00	26.22	1,182.21	346.04	1,035	807.70	1.26	-0.14	0.04
90.00	-10.91	-0.89	0.00	-21.71	0.00	21.71	1,158.57	331.42	950	757.92	1.42	-0.16	0.04
92.10	-9.99	-0.84	0.00	-19.83	0.00	19.83	1,147.95	325.28	915	736.97	1.49	-0.16	0.04
95.00	-9.85	-0.83	0.00	-17.40	0.00	17.40	1,132.61	316.79	868	708.05	1.59	-0.17	0.03
96.70	-8.94	-0.77	0.00	-15.98	0.00	15.98	1,123.26	311.82	841	691.12	1.65	-0.17	0.03
100.00	-8.79	-0.76	0.00	-13.43	0.00	13.43	1,104.33	302.17	790	658.31	1.77	-0.18	0.03
101.90	-7.91	-0.70	0.00	-11.97	0.00	11.97	1,092.98	296.62	761	639.49	1.84	-0.18	0.03
105.00	-7.63	-0.68	0.00	-9.79	0.00	9.79	1,073.73	287.55	715	608.90	1.96	-0.19	0.02
108.60	-6.70	-0.61	0.00	-7.33	0.00	7.33	1,050.26	277.02	664	573.64	2.11	-0.19	0.02
110.00	-6.41	-0.59	0.00	-6.48	0.00	6.48	1,040.80	272.93	644	560.01	2.16	-0.20	0.02
114.00	-4.59	-0.44	0.00	-4.12	0.00	4.12	1,012.79	261.23	590	521.42	2.33	-0.20	0.01
115.00	-4.46	-0.43	0.00	-3.68	0.00	3.68	1,005.56	258.31	577	511.86	2.37	-0.20	0.01
116.90	-3.43	-0.34	0.00	-2.87	0.00	2.87	991.55	252.75	552	493.79	2.45	-0.20	0.01
120.00	-3.10	-0.31	0.00	-1.83	0.00	1.83	967.99	243.69	514	464.63	2.58	-0.20	0.01
125.00	-3.07	-0.30	0.00	-0.31	0.00	0.31	928.10	229.06	454	418.54	2.80	-0.21	0.00
125.50	-2.52	-0.25	0.00	-0.16	0.00	0.16	923.98	227.60	448	414.00	2.82	-0.21	0.00
126.00	-0.10	-0.01	0.00	-0.03	0.00	0.03	919.84	226.14	442	409.48	2.84	-0.21	0.00
129.00	0.00	-0.01	0.00	0.00	0.00	0.00	894.51	217.37	409	382.62	2.97	-0.21	0.00

ANALYSIS SUMMARY

	Reactions						Max Usage	
Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W Normal	32.81	0.00	36.21	0.00	0.00	3282.49	83.83	0.97
0.9D + 1.0W Normal	32.80	0.00	27.14	0.00	0.00	3255.88	83.83	0.96
1.2D + 1.0Di + 1.0Wi Normal	9.02	0.00	46.60	0.00	0.00	883.41	83.83	0.27
1.2D + 1.0Ev + 1.0Eh Normal	1.15	0.00	36.12	0.00	0.00	119.12	83.83	0.05
0.9D - 1.0Ev + 1.0Eh Normal	1.14	0.00	25.05	0.00	0.00	117.95	83.83	0.04
1.0D + 1.0W Service Normal	8.41	0.00	30.22	0.00	0.00	838.05	83.83	0.25

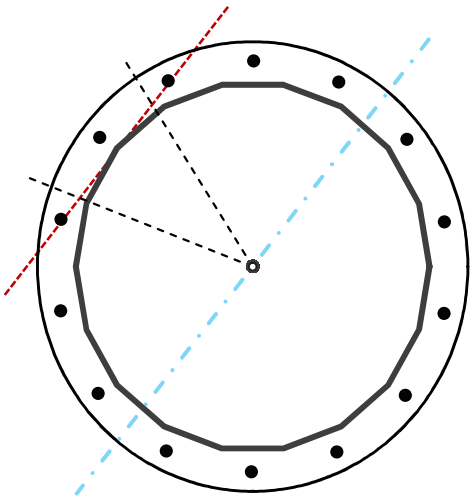
Base Plate & Anchor Rod Analysis

Pole Dimensions		
Number of Sides	18	-
Diameter	56.12	in
Thickness	5/16	in
Orientation Offset	0	°

Base Reactions		
Moment, Mu	3,267.8	k-ft
Axial, Pu	36.3	k
Shear, Vu	32.7	k
Neutral Axis	51	°

Report Capacities		
Component	Capacity	Result
Base Plate	28%	Pass
Anchor Rods	77%	Pass
Dwyidag	-	-

Base Plate		
Shape	Round	-
Diameter, ø	69.5	in
Thickness	2 1/2	in
Grade	A572-50	
Yield Strength, Fy	50	ksi
Tensile Strength, Fu	65	ksi
Clip	N/A	in
Orientation Offset	0	°
Anchor Rod Detail	d	η=0.5
Clear Distance	3	in
Applied Moment, Mu	453.3	k
Bending Stress, ϕMn	1631.6	k



Original Anchor Rods		
Arrangement	Radial	-
Quantity	14	-
Diameter, ø	2 1/4	in
Bolt Circle	63.5	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	14.2	in
Orientation Offset	12.5	°
Applied Force, Pu	185.8	k
Anchor Rods, ϕPn	243.6	k

Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	32.7	3267.8	1.00
Anchor Rod Forces	32.7	3267.8	1.00
Additional Bolt (Grp1) Forces	0.0	0.0	0.00
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	0.0	0.00
Stiffener Forces	0.0	0.0	0.00

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in^2	in^2	in^4	#	in^4
Pole	54.5111	3.0284	0.0989		21223.49
Bolt	3.9761	3.2477	0.8393	4.5	21246.65
Bolt1	0.0000	0.0000	0.0000	0	0.00
Bolt2	0.0000	0.0000	0.0000	0	0.00
Dywidag	0.0000	0.0000	0.0000		0.00
Stiffener	0.0000	0.0000	0.0000		0.00

Base Plate		
Shape	Round	-
Diameter, D	69.5	in
Thickness, t	2.5	in
Yield Strength, Fy	50	ksi
Tensile Strength, Fu	65	ksi
Base Plate Chord	40.998	in
Detail Type	d	-
Detail Factor	0.50	-
Clear Distance	3	-

Anchor Rods		
Anchor Rod Quantity, N	14	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	63.5	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	185.8	k
Applied Shear, Vu	0.8	k
Compressive Capacity, ϕPn	243.6	k
Tensile Capacity, ϕRnt	0.763	OK
Interaction Capacity	0.769	OK

External Base Plate		
Chord Length AA	34.533	in
Additional AA	5.000	in
Section Modulus, Z	61.770	in^3
Applied Moment, Mu	453.3	k-ft
Bending Capacity, ϕMn	2779.6	k-ft
Capacity, Mu/ϕMn	0.163	OK
Chord Length AB	33.078	in
Additional AB	5.000	in
Section Modulus, Z	59.497	in^3
Applied Moment, Mu	372.7	k-ft
Bending Capacity, ϕMn	2677.3	k-ft
Capacity, Mu/ϕMn	0.139	OK
Bend Line Length	23.206	in
Additional Bend Line	0.000	in
Section Modulus, Z	36.259	in^3
Applied Moment, Mu	453.3	k-ft
Bending Capacity, ϕMn	1631.6	k-ft
Capacity, Mu/ϕMn	0.278	OK

Internal Base Plate		
Arc Length	0.000	in
Section Modulus, Z	0.000	in^3
Moment Arm	0.000	in
Applied Moment, Mu	0.0	k-ft
Bending Capacity, ϕMn	0.0	k-ft
Capacity, Mu/ϕMn		

Site Name: Watertown CT, CT
Site Number: 283424
Tower Type: MP
Design Loads (Factored) - Analysis per TIA-222-H Standards

Monolithic Mat & Pier Foundation Analysis

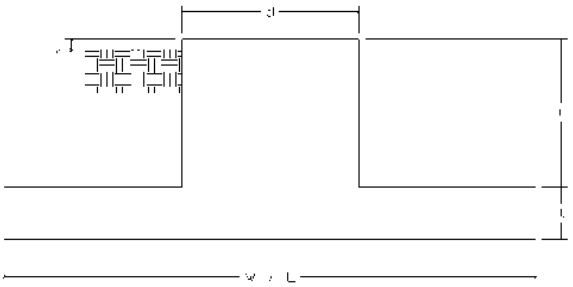
Foundation Analysis Parameters		
Design / Analysis / Mapping:	Analysis	-
Compression/Leg:	36.3	k
Uplift/Leg:	0.0	k
Total Shear:	32.7	k
Moment:	3,267.8	k-ft
Tower + Appurtenance Weight:	36.3	k
Depth to Base of Foundation (l + t - h):	7	ft
Diameter of Pier (d):	7	ft
Length of Pier (l):	4.5	ft
Height of Pier above Ground (h):	0.5	ft
Width of Pad (W):	21	ft
Length of Pad (L):	21	ft
Thickness of Pad (t):	3	ft
Tower Leg Center to Center:	0	ft
Number of Tower Legs:	1	-
Tower Center from Mat Center:	0	ft
Depth Below Ground Surface to Water Table:	99	ft
Unit Weight of Concrete:	150	pcf
Unit Weight of Soil Above Water Table:	120	pcf
Unit Weight of Water:	62.4	pcf
Unit Weight of Soil Below Water Table:	57.6	pcf
Friction Angle of Uplift:	15	°
Coefficient of Shear Friction:	0.70	-
Ultimate Compressive Bearing Pressure:	24,000	psf
Ultimate Passive Pressure on Pad Face:	1,980	psf
$f_{Soil\ and\ Concrete\ Weight}$:	0.9	-
f_{Soil}:	0.75	-

Overturning Moment Usage		
Design OTM:	3512.9	k-ft
OTM Resistance:	4577.1	k-ft
Design OTM / OTM Resistance:	77%	Pass

Soil Bearing Pressure Usage		
Net Bearing Pressure:	3658	psf
Factored Nominal Bearing Pressure:	18000	psf
Factored Nominal (Net) Bearing Pressure:	20%	Pass
Load Direction Controling Design Bearing Pressure:	*Diagonal to Pad Edge*	

Sliding Factor of Safety		
Ultimate Friction Resistance:	313.5	k
Ultimate Passive Pressure Resistance:	93.6	k
Total Factored Sliding Resistance:	305.3	k
Sliding Design / Sliding Resistance:	11%	Pass

Foundation Steel Parameters		
Shear/Leg (Compression):	32.7	k
Shear/Leg (Uplift):	32.7	k
Concrete Strength (f'_c):	4,000	psi
Pad Tension Steel Depth:	32.63	in
Dead Load Factor:	0.9	-
f_{Shear}:	0.75	-
$f_{Flexure\ /\ Tension}$:	0.9	-
$f_{Compression:}$	0.65	-
b:	0.85	-
Bottom Pad Rebar Size #:	6	-
# of Bottom Pad Rebar:	21	-
Pad Bottom Steel Area:	9.24	in^2
Pad Steel F_y:	60,000	psi
Top Pad Rebar Size #:	6	-
# of Top Pad Rebar:	21	-
Pad Top Steel Area:	9.24	in^2
Pier Rebar Size #:	11	-
Pier Steel Area (Single Bar):	1.56	in^2
# of Pier Rebar:	24	-
Pier Steel F_y:	60,000	psi
Pier Cage Diameter:	75.4	in
Rebar Strain Limit:	0.008	-
Steel Elastic Modulus:	29,000	ksi
Tie Rebar Size #:	5	-
Tie Steel Area (Single Bar):	0.31	in^2
Tie Spacing:	6	in
Tie Steel F_y:	60,000	psi
Clear Cover:	3	in



Pad Strength Capacity			
Factored One Way Shear (V_u):	272.1	k	
One Way Shear Capacity (fV_c):	641.1	k	*ACI 318-14 25.5.5.1*
V_u / fV_c:	42%	Pass	
Load Direction Controling Shear Capacity:	*Diagonal to Pad Edge*		
Lower Steel Pad Factored Moment (M_u):	1673.5	k-ft	
Lower Steel Pad Moment Capacity (fM_n):	2219.4	k-ft	*ACI 318-14 22.3.1.1*
M_u / fM_n:	75%	Pass	
Load Direction Controling Flexural Capacity:	*Parallel to Pad Edge*		
Upper Steel Pad Factored Moment (M_u):	478.5	k-ft	
Upper Steel Pad Moment Capacity (fM_n):	2219.4	k-ft	
M_u / fM_n:	22%	Pass	
Lower Pad Flexural Reinforcement Ratio:	0.0011		*OK - ACI 318-14 7.6.1.1 & 8.6.1.1*
Upper Pad Flexural Reinforcement Ratio:	0.0011		*OK - ACI 318-14 7.6.1.1 & 8.6.1.1*
Lower Pad Reinforcement Spacing:	12.3	in	*OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3*
Upper Pad Reinforcement Spacing:	12.3	in	*OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3*
Ultimate Punching Shear Stress, v_u:	39.21	psi	*ACI 318-14 R8.4.4.2.3*
Nominal Punching Shear Capacity (f_cv_c):	189.7	psi	*ACI 318-14 22.6.5.2*
v_u / f_cv_c:	21%	Pass	
Pier Moment Pad Flexure Transfer Ratio, γ_f:	0.60		*TIA-222-H 9.4.2*
Moment Transfer Effective Flexural Width, B_{eff}:	16.00	ft	*TIA-222-H 9.4.2*
Moment Transfer Through Pad Flexure:	24587.03	k-in	*TIA-222-H 9.4.2*
Moment Transfer Flexural Capacity ($fM_{sc,f}$):	12780.87	k-in	
g_fM_{sc} / $fM_{sc,f}$:	0%	Pass	

Pier Strength Capacity			
Factored Moment in Pier (M_u):	3414.9	k-ft	
Pier Moment Capacity (fM_n):	6218.3	k-ft	
M_u / fM_n:	55%	Pass	
Factored Shear in Pier (V_u):	32.7	k	
Pier Shear Capacity (fV_n):	839.9	k	*ACI 318-14 22.5.1.1*
V_u / fV_c:	4%	Pass	
Pier Shear Reinforcement Ratio:	0.0007		*OK - No Ties Necessary for Shear - ACI11.5.6.1*
Factored Tension in Pier (T_u):	0.0	k	
Pier Tension Capacity (fT_n):	2021.8	k	
T_u / fT_n:	0%	Pass	
Factored Compression in Pier (P_u):	36.3	k	
Pier Compression Capacity (fP_n):	9780.3	k	*ACI 318-14 22.4.2.1*
P_u / fP_n:	0%	Pass	
Minimum Depth to Develop Vertical Rebar:	54	in	*ACI 318-14 25.4.2.3*
Minimum Hook Development Length:	27	in	*ACI 318-14 25.4.3.1*
Minimum Mat Thickness / Edge Distance from Pier:	30.0	in	
Minimum Foundation Depth:	7.27	ft	
$M_u/f_BM_n + T_u/f_TT_n$:	55%	Pass	

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
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856.797.0412
Peter.Albano@colliersengineering.com

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10050449
Maser Consulting Connecticut Project #: 21777471A

May 19, 2021

Site Information	*Site ID:*	*470386-VZW / WATERTOWN NE CT - American Tower*
	Site Name:	*WATERTOWN NE CT - American Tower*
	Carrier Name:	*Verizon Wireless*
	Address:	*655 Bassett Rd Watertown, Connecticut 06795 Litchfield County*
	Latitude:	*41.65707778°*
	Longitude:	*-73.13626111°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*12.50-Ft T-Arm*

FUZE ID # 16272135

Analysis Results

T-Arm: **63.3% Pass**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings

Report Prepared By: Abigail Enriquez

Digitally signed by Derek Hartzell
Date: 2021.05.19 13:48:45-07'00'

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: 3122063, dated March 17, 2021*
Mount Mapping Report	*RKS Design & Engineering LLC., Site ID: ATC:283424, dated April 2, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	115 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.970
Seismic Parameters:	S_S:	0.185
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
111.50	114.00	3	Samsung	MT6407-77A	Added
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
		6	Commscope	JAHH-65B-R3B	Retained

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut 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 Maser Consulting Connecticut 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 by Maser Consulting Connecticut, 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. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Maser Consulting Connecticut.

Analysis Results:

Component	Utilization %	Pass/Fail
Tiebacks	*16.5%*	*Pass*
Kickers	*9.4%*	*Pass*
Support Rail	*34.5%*	*Pass*
Antenna Pipe	*63.3%*	*Pass*
Horizontal	*56.4%*	*Pass*
Standoff Pipe	*0.0%*	*Pass*
Standoff Arm	*28.9%*	*Pass*
Connection Check - Mount	*36.7%*	*Pass*
Connection Check - Kickers	*14.3%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**63.3%**

Recommendation:

The existing mounts are **SUFFICIENT** for the final loading configuration and do not require modifications.

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

Attachments:

1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter


04/02/2021

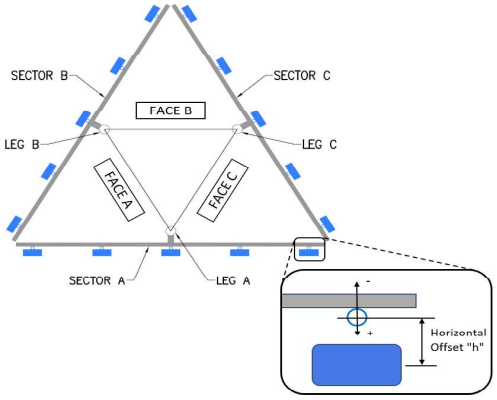
V3.0 Updated on 8-31-2020

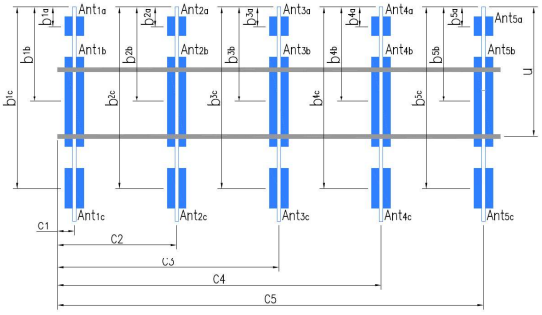
Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1281760

Tower Owner:	ATC	**Mapping Date:**	4/2/2021
Site Name:	ATC: WATERTOWN CT, VZW:WATERTOWN NE CT - American To	**Tower Type:**	Monopole
Site Number or ID:	ATC:283424	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS Design & Engineering LLC.	**Mount Elevation (Ft.):**	81.4

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

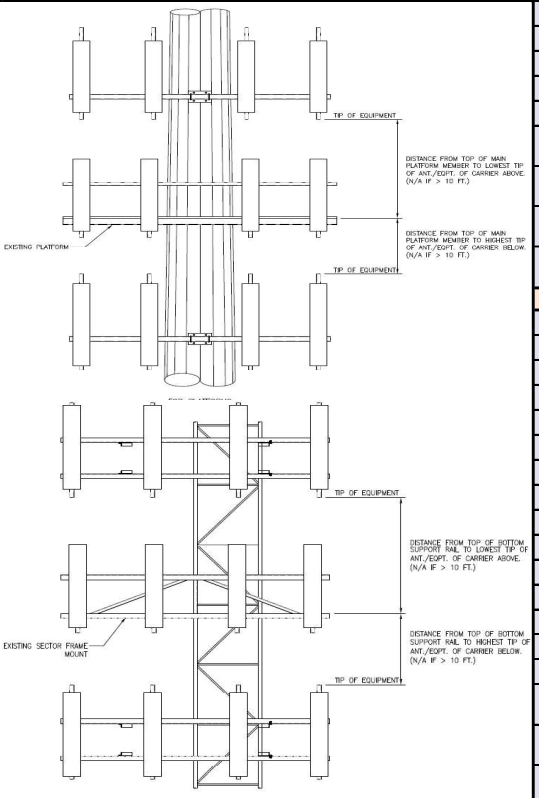
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	13.00	C1	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	13.00
A2	PIPE 2.375"Ø X 0.15" X 96" Long	63.00	57.00	C2	PIPE 2.375"Ø X 0.15" X 96" Long	63.00	57.00
A3	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	95.50	C3	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	95.50
A4	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	138.50	C4	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	138.50
A5				C5			
A6				C6			
B1	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	13.00	D1			
B2	PIPE 2.375"Ø X 0.15" X 96" Long	63.00	57.00	D2			
B3	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	95.50	D3			
B4	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	138.50	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	
Tower Face Width at Mount Elev. (ft.):	
Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	25.31

Ants. Items	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B13 RRH4X30	11.80	7.50	20.90		83.4625	38.25	-7.00		253
Ant_{2b}	(2) JAHH-65B-R3B	13.80	8.20	72.00		83.15	42.00	13.50	80.00	9, 253
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RCMDC-6627-PF-48	16.50	12.60	22.50			32.75	8.25		254
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	120.00	Deg	Leg A:		Deg
Sector B:	220.00	Deg	Leg B:		Deg
Sector C:	350.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	0.00 Deg	N/A
Climbing Facility	Corrosion Type:	N/A
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B13 RRH4X30	11.80	7.50	20.90		83.4625	38.25	-7.00		255
Ant_{2b}	(2) JAHH-65B-R3B	13.80	8.20	72.00		83.15	42.00	13.50	180.00	18, 255
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										
Sector C										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	B13 RRH4X30	11.80	7.50	20.90		83.4625	38.25	-7.00		257
Ant_{2b}	(2) JAHH-65B-R3B	13.80	8.20	72.00		83.15	42.00	13.50	320.00	26, 257
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										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1	COAX Total(2):(2) 1.58" Ø HYBRID	
2		
3		
4		
5		
6		
7		
8		

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

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

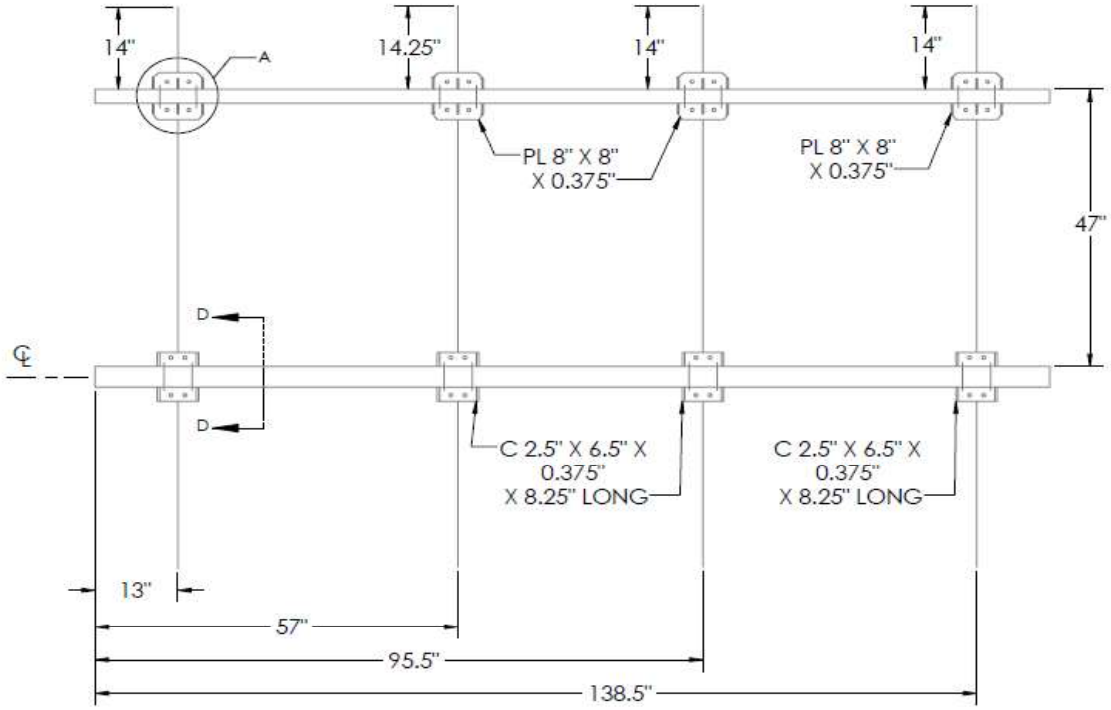
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

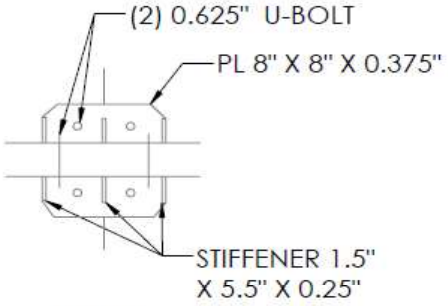
FCC # 1281760

Tower Owner:	ATC	**Mapping Date:**	4/2/2021
Site Name:	ATC: WATERTOWN CT, VZW:WATERTOWN NE CT - American To	**Tower Type:**	Monopole
Site Number or ID:	ATC:283424	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS Design & Engineering LLC.	**Mount Elevation (Ft.):**	81.4

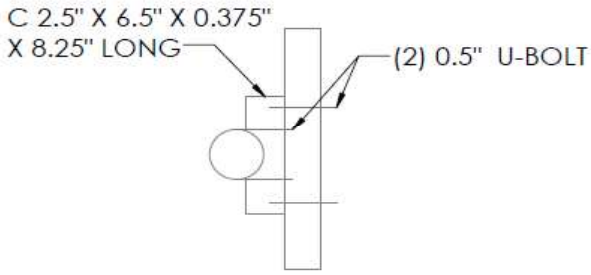
Please Insert Sketches of the Antenna Mount



SECTOR-A,B & C

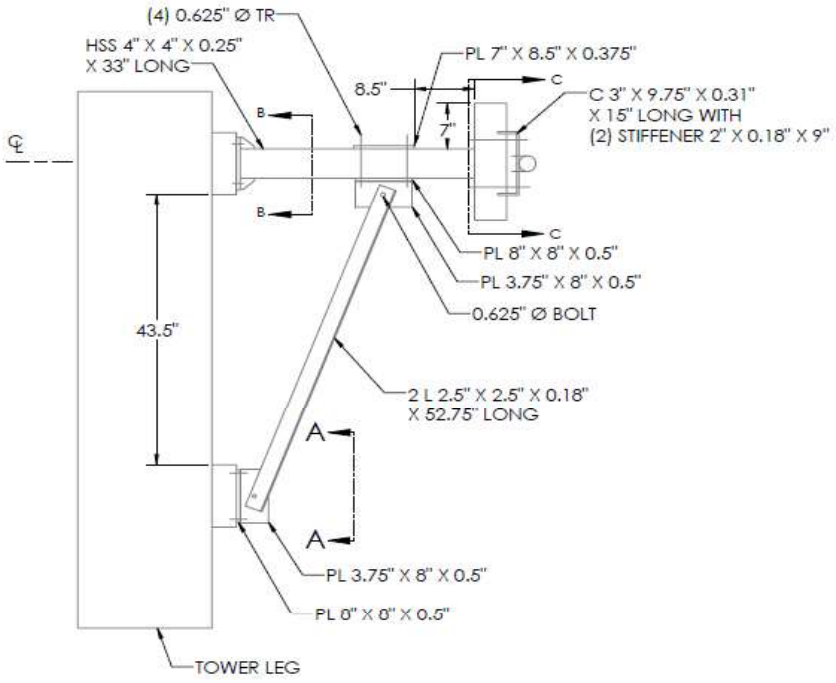


DETAIL A

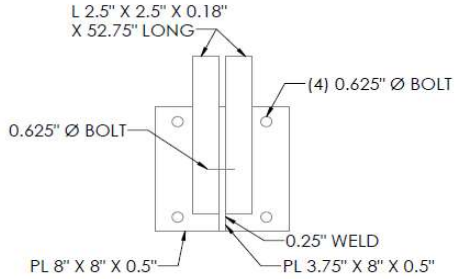


SECTION D-D

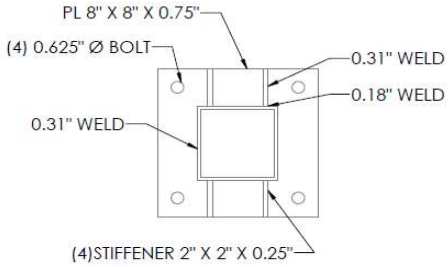
Please Insert Sketches of the Antenna Mount, cont'd



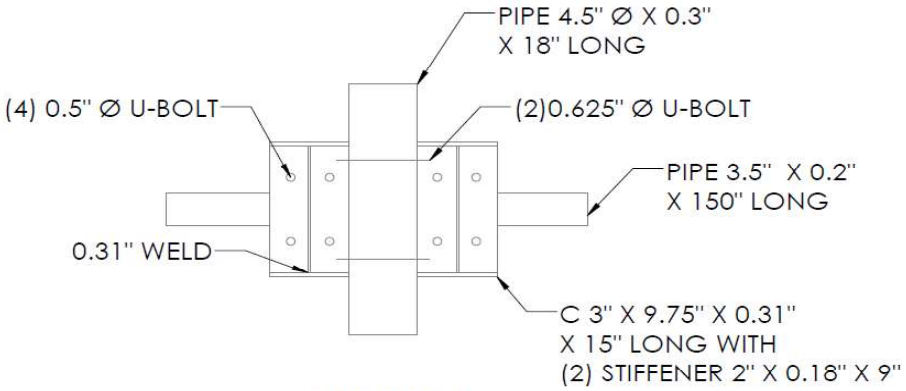
STAND OFF VIEW



SECTION A-A

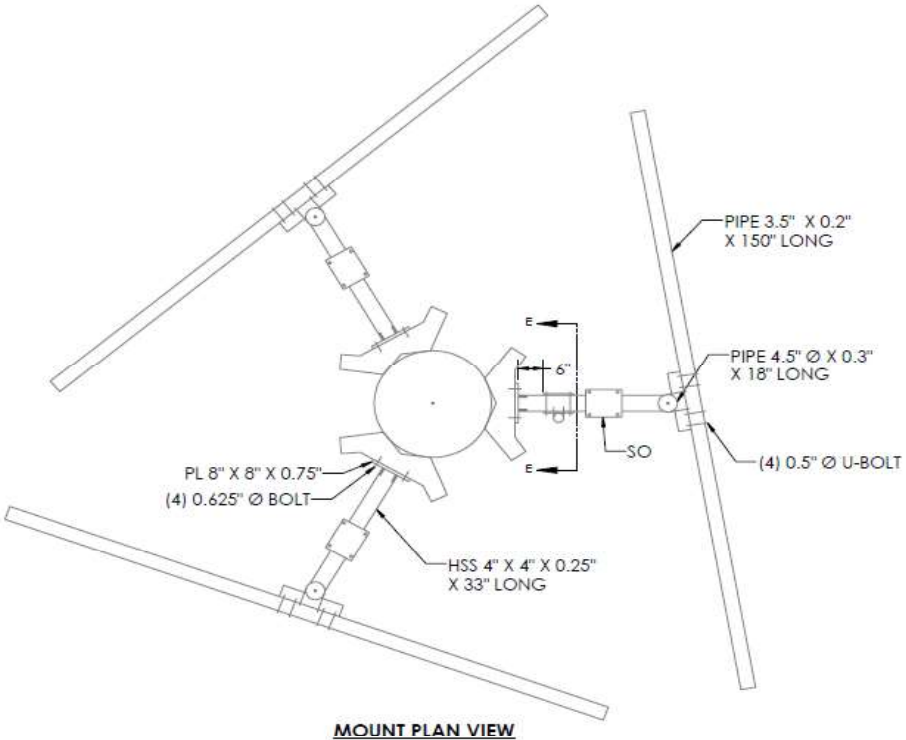


SECTION B-B

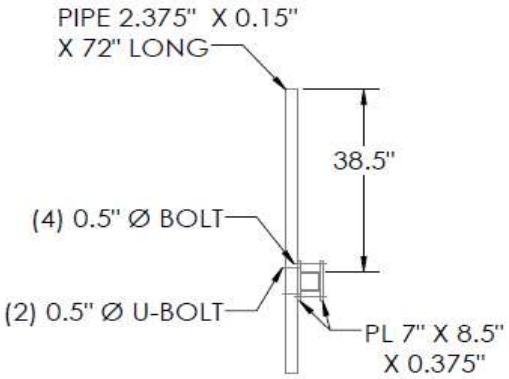


SECTION C-C

Please Insert Sketches of the Antenna Mount, cont'd

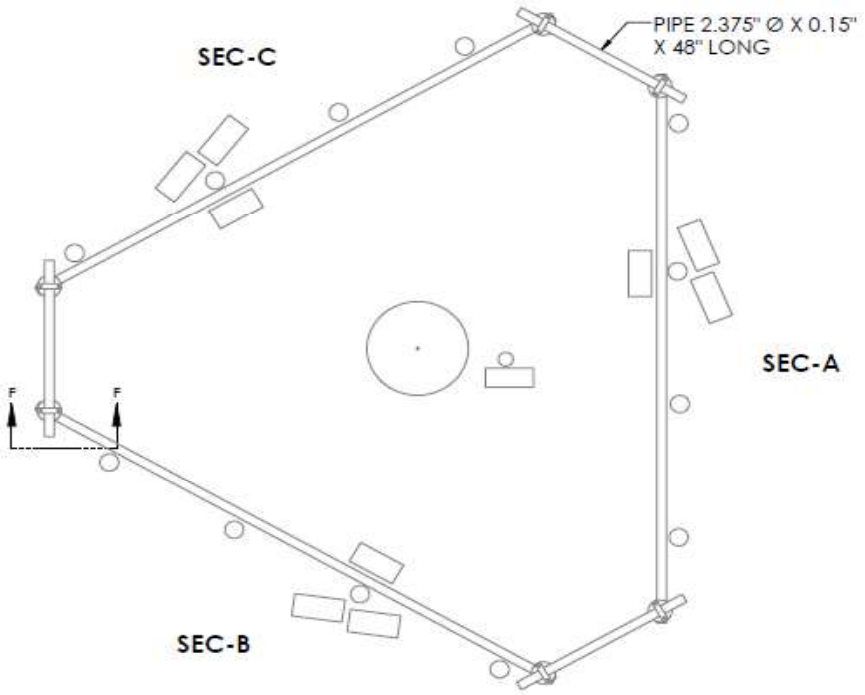


MOUNT PLAN VIEW

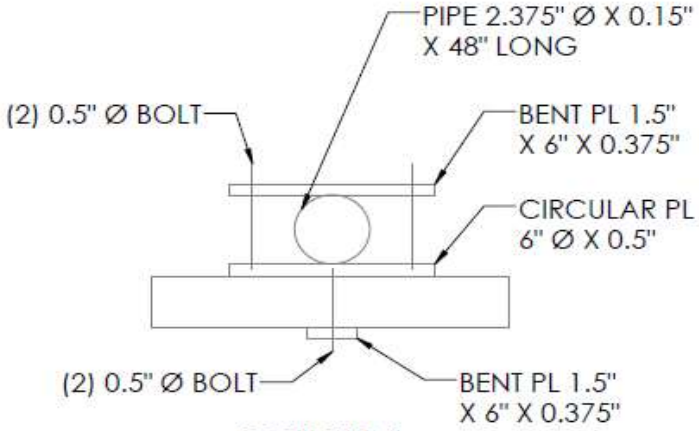


SECTION E-E

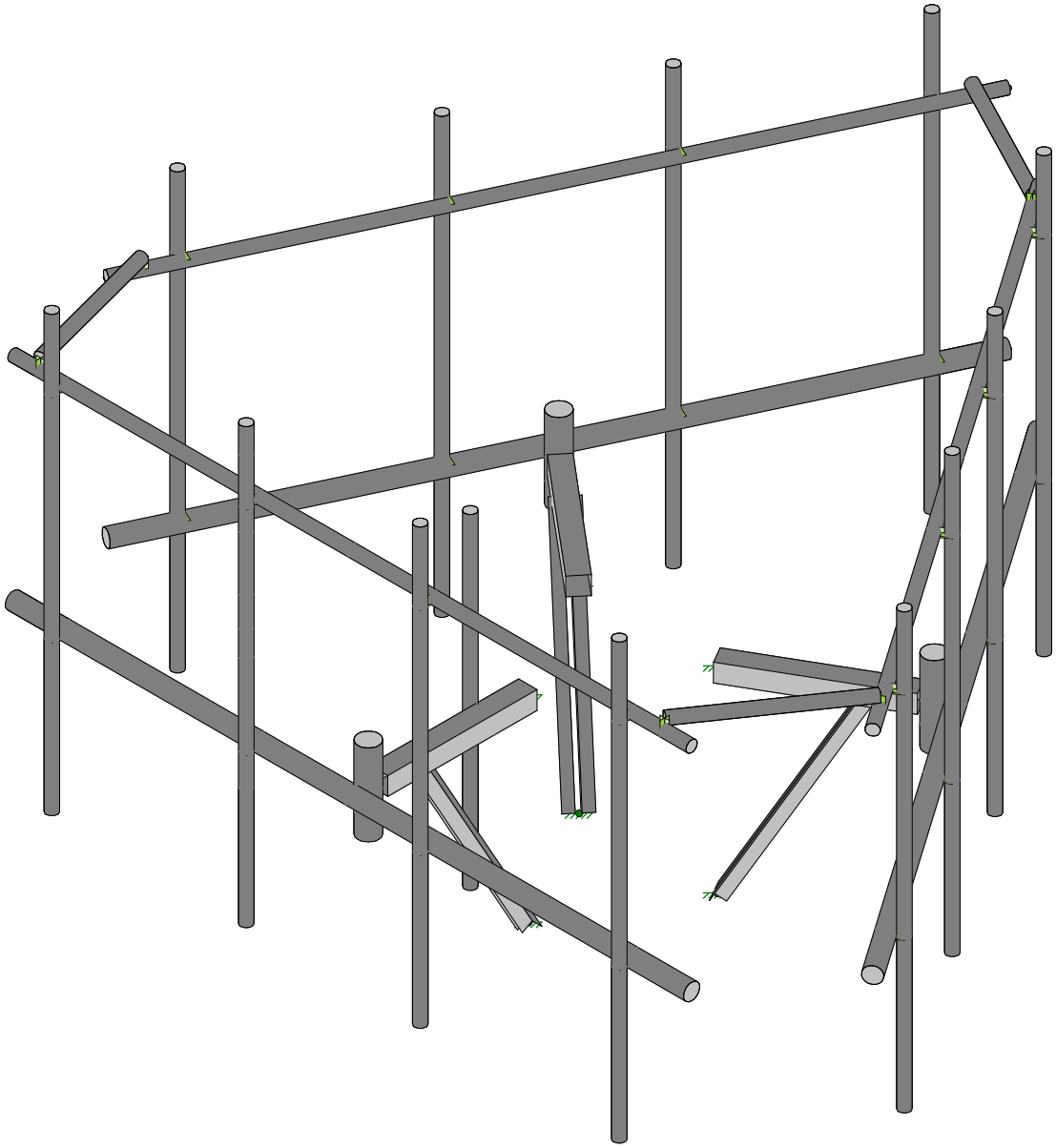
Please Insert Sketches of the Antenna Mount, cont'd



ANTENNA PLAN VIEW

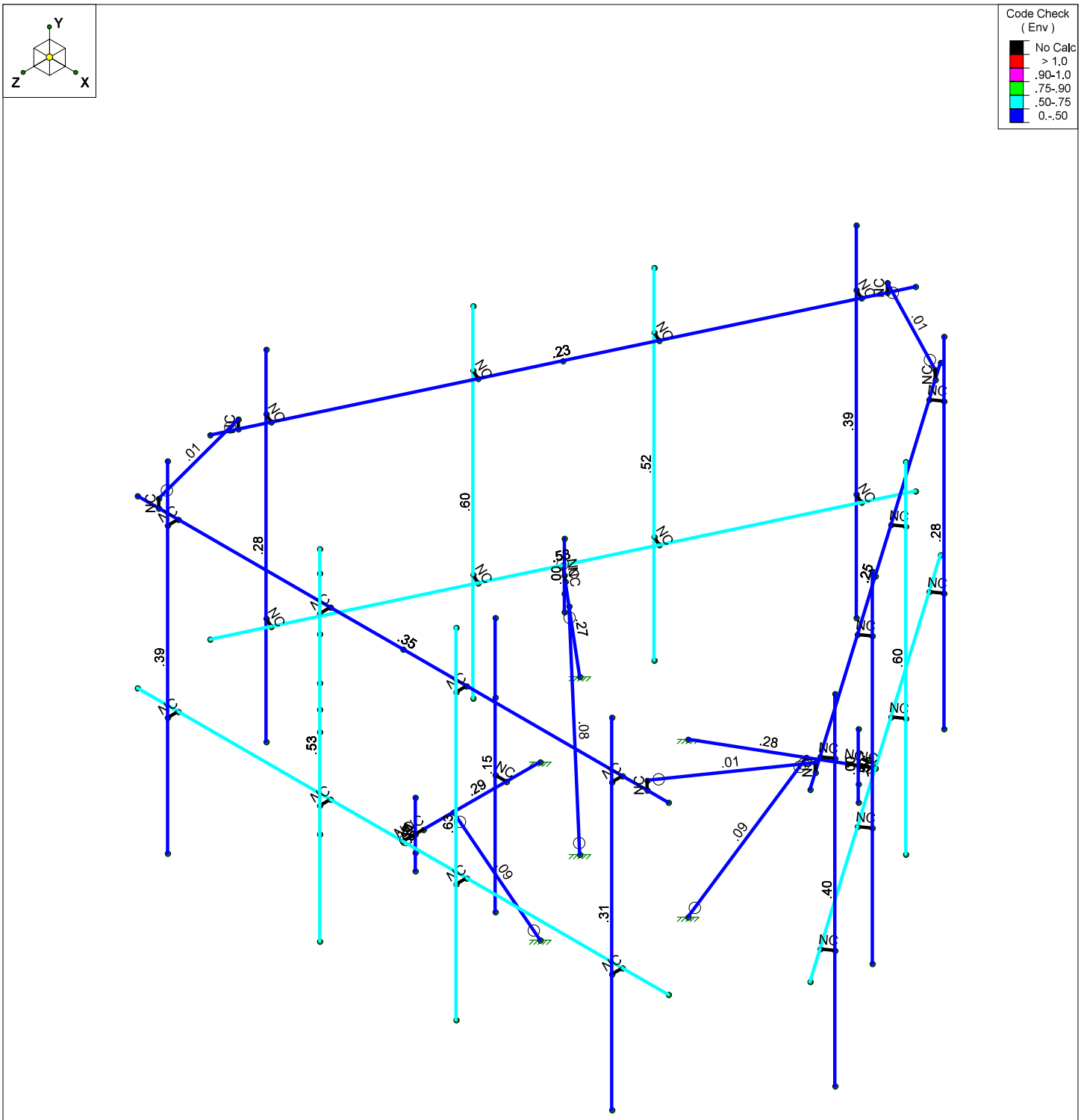


SECTION F-F



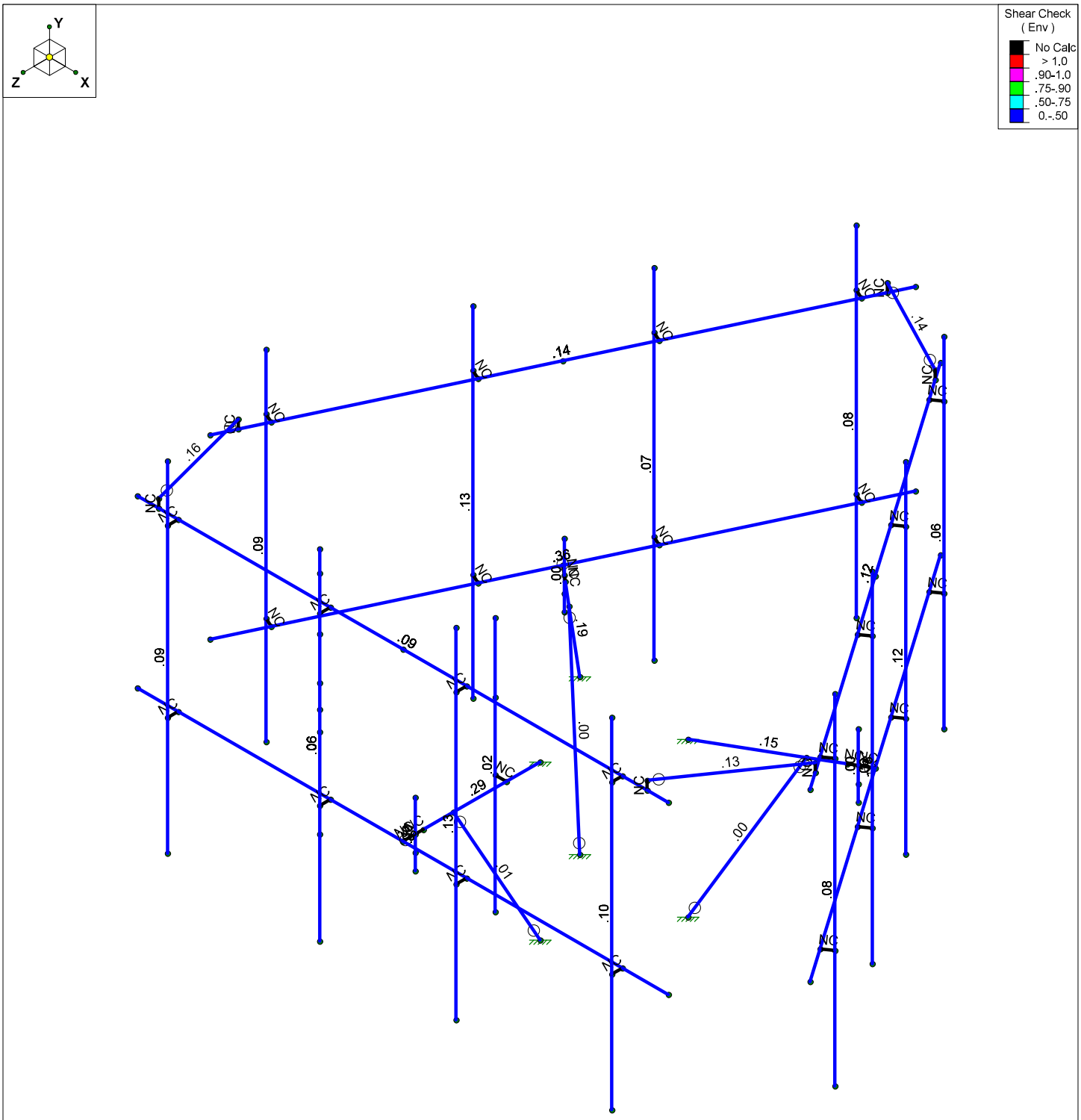
Envelope Only Solution

		SK - 1
		May 18, 2021 at 5:06 PM
		470386-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		May 18, 2021 at 5:07 PM
		470386-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		May 18, 2021 at 5:07 PM
		470386-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					84			
2	Antenna Di	None					84			
3	Antenna Wo (0 Deg)	None					84			
4	Antenna Wo (30 Deg)	None					84			
5	Antenna Wo (60 Deg)	None					84			
6	Antenna Wo (90 Deg)	None					84			
7	Antenna Wo (120 Deg)	None					84			
8	Antenna Wo (150 Deg)	None					84			
9	Antenna Wo (180 Deg)	None					84			
10	Antenna Wo (210 Deg)	None					84			
11	Antenna Wo (240 Deg)	None					84			
12	Antenna Wo (270 Deg)	None					84			
13	Antenna Wo (300 Deg)	None					84			
14	Antenna Wo (330 Deg)	None					84			
15	Antenna Wi (0 Deg)	None					84			
16	Antenna Wi (30 Deg)	None					84			
17	Antenna Wi (60 Deg)	None					84			
18	Antenna Wi (90 Deg)	None					84			
19	Antenna Wi (120 Deg)	None					84			
20	Antenna Wi (150 Deg)	None					84			
21	Antenna Wi (180 Deg)	None					84			
22	Antenna Wi (210 Deg)	None					84			
23	Antenna Wi (240 Deg)	None					84			
24	Antenna Wi (270 Deg)	None					84			
25	Antenna Wi (300 Deg)	None					84			
26	Antenna Wi (330 Deg)	None					84			
27	Antenna Wm (0 Deg)	None					84			
28	Antenna Wm (30 Deg)	None					84			
29	Antenna Wm (60 Deg)	None					84			
30	Antenna Wm (90 Deg)	None					84			
31	Antenna Wm (120 Deg)	None					84			
32	Antenna Wm (150 Deg)	None					84			
33	Antenna Wm (180 Deg)	None					84			
34	Antenna Wm (210 Deg)	None					84			
35	Antenna Wm (240 Deg)	None					84			
36	Antenna Wm (270 Deg)	None					84			
37	Antenna Wm (300 Deg)	None					84			
38	Antenna Wm (330 Deg)	None					84			
39	Structure D	None		-1						
40	Structure Di	None						31		
41	Structure Wo (0 Deg)	None						62		
42	Structure Wo (30 Deg)	None						62		
43	Structure Wo (60 Deg)	None						62		
44	Structure Wo (90 Deg)	None						62		
45	Structure Wo (120 D...	None						62		
46	Structure Wo (150 D...	None						62		
47	Structure Wo (180 D...	None						62		
48	Structure Wo (210 D...	None						62		
49	Structure Wo (240 D...	None						62		
50	Structure Wo (270 D...	None						62		
51	Structure Wo (300 D...	None						62		
52	Structure Wo (330 D...	None						62		
53	Structure Wi (0 Deg)	None						62		
54	Structure Wi (30 Deg)	None						62		
55	Structure Wi (60 Deg)	None						62		
56	Structure Wi (90 Deg)	None						62		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						62		
58	Structure Wi (150 De...	None						62		
59	Structure Wi (180 De...	None						62		
60	Structure Wi (210 De...	None						62		
61	Structure Wi (240 De...	None						62		
62	Structure Wi (270 De...	None						62		
63	Structure Wi (300 De...	None						62		
64	Structure Wi (330 De...	None						62		
65	Structure Wm (0 Deg)	None						62		
66	Structure Wm (30 De...	None						62		
67	Structure Wm (60 De...	None						62		
68	Structure Wm (90 De...	None						62		
69	Structure Wm (120 D...	None						62		
70	Structure Wm (150 D...	None						62		
71	Structure Wm (180 D...	None						62		
72	Structure Wm (210 D...	None						62		
73	Structure Wm (240 D...	None						62		
74	Structure Wm (270 D...	None						62		
75	Structure Wm (300 D...	None						62		
76	Structure Wm (330 D...	None						62		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			

Load Combinations

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
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 (0 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi (30 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi (60 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (90 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (120 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (150 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (180 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (210 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (240 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (270 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (300 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (330 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
29	1.2D + 1.5Lm1 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (33...	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	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1.0Eh (0 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0Eh (30 D...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.8...										
55	1.2D + 1.0Ev + 1.0Eh (60 D...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0Eh (90 D...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0Eh (120 ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0Eh (150 ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0Eh (180 ...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0Eh (210 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0Eh (240 ...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0Eh (270 ...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0Eh (300 ...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0Eh (330 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.8...										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	-1.03125	0	
2	N2	0	0	1.90625	0	
3	N3	0	-.75	1.90625	0	
4	N4	0	.75	1.90625	0	
5	N5	0	0	2.197917	0	
6	N6	6.25	0	2.197917	0	
7	N7	-6.25	0	2.197917	0	
8	N11	5.166667	0	2.197917	0	
9	N12	5.166667	0	2.447917	0	
10	N13	5.166667	5.234167	2.447917	0	
11	N14	5.166667	-2.765833	2.447917	0	
12	N21	0	-.375	1.90625	0	
13	N13A	1.5	0	2.197917	0	
14	N14A	1.5	0	2.447917	0	
15	N15	1.5	5.234167	2.447917	0	
16	N16	1.5	-2.765833	2.447917	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
17	N17	-1.708333	0	2.197917	0	
18	N18	-1.708333	0	2.447917	0	
19	N19	-1.708333	5.234167	2.447917	0	
20	N20	-1.708333	-2.765833	2.447917	0	
21	N21A	-5.291667	0	2.197917	0	
22	N22	-5.291667	0	2.447917	0	
23	N23	-5.291667	5.234167	2.447917	0	
24	N24	-5.291667	-2.765833	2.447917	0	
25	N25	0	3.916667	2.197917	0	
26	N26	6.25	3.916667	2.197917	0	
27	N27	-6.25	3.916667	2.197917	0	
28	N28	5.166667	3.916667	2.197917	0	
29	N29	5.166667	3.916667	2.447917	0	
30	N30	1.5	3.916667	2.197917	0	
31	N31	1.5	3.916667	2.447917	0	
32	N32	-1.708333	3.916667	2.197917	0	
33	N33	-1.708333	3.916667	2.447917	0	
34	N34	-5.291667	3.916667	2.197917	0	
35	N35	-5.291667	3.916667	2.447917	0	
36	N36	-5.75	3.916667	2.197917	0	
37	N38	-5.75	4.116667	2.197917	0	
38	N39	5.75	3.916667	2.197917	0	
39	N40	5.75	4.116667	2.197917	0	
40	N40A	0	0	1.71875	0	
41	N41	0	0	-1.447917	0	
42	N42	0	0	-2.5025	0	
43	N43	0	0	-0.239583	0	
44	N44	-0.266667	0	-0.239583	0	
45	N45	-0.266667	3.208333	-0.239583	0	
46	N46	-0.266667	-2.791667	-0.239583	0	
47	N47	0	-3.625	-1.03125	0	
48	N48	0	0	1.010417	0	
49	N49	1.27414	0	-3.238125	0	
50	N50	3.818089	0	-4.706875	0	
51	N51	3.818089	-.75	-4.706875	0	
52	N52	3.818089	.75	-4.706875	0	
53	N53	4.07068	0	-4.852708	0	
54	N54	0.485828	0	-9.972409	0	
55	N55	7.655533	0	0.266992	0	
56	N56	1.107202	0	-9.084994	0	
57	N57	1.31199	0	-9.228388	0	
58	N58	1.31199	5.234167	-9.228388	0	
59	N59	1.31199	-2.765833	-9.228388	0	
60	N60	3.818089	-.375	-4.706875	0	
61	N61	3.210316	0	-6.081436	0	
62	N62	3.415104	0	-6.224831	0	
63	N63	3.415104	5.234167	-6.224831	0	
64	N64	3.415104	-2.765833	-6.224831	0	
65	N65	5.05054	0	-3.453324	0	
66	N66	5.255328	0	-3.596718	0	
67	N67	5.255328	5.234167	-3.596718	0	
68	N68	5.255328	-2.765833	-3.596718	0	
69	N69	7.105856	0	-0.518029	0	
70	N70	7.310644	0	-0.661423	0	
71	N71	7.310644	5.234167	-0.661423	0	
72	N72	7.310644	-2.765833	-0.661423	0	
73	N73	4.07068	3.916667	-4.852708	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
74	N74	0.485828	3.916667	-9.972409	0	
75	N75	7.655533	3.916667	0.266992	0	
76	N76	1.107202	3.916667	-9.084994	0	
77	N77	1.31199	3.916667	-9.228388	0	
78	N78	3.210316	3.916667	-6.081436	0	
79	N79	3.415104	3.916667	-6.224831	0	
80	N80	5.05054	3.916667	-3.453324	0	
81	N81	5.255328	3.916667	-3.596718	0	
82	N82	7.105856	3.916667	-0.518029	0	
83	N83	7.310644	3.916667	-0.661423	0	
84	N84	7.368745	3.916667	-0.142584	0	
85	N85	7.368745	4.116667	-0.142584	0	
86	N86	0.772616	3.916667	-9.562833	0	
87	N87	0.772616	4.116667	-9.562833	0	
88	N88	3.65571	0	-4.613125	0	
89	N89	0.913296	0	-3.029792	0	
90	N95	1.27414	-3.625	-3.238125	0	
91	N96	3.042275	0	-4.258958	0	
92	N97	-1.27414	0	-3.238125	0	
93	N98	-3.524395	0	-5.126314	0	
94	N99	-3.524395	-.75	-5.126314	0	
95	N100	-3.524395	.75	-5.126314	0	
96	N101	-3.747825	0	-5.313793	0	
97	N102	-6.389189	0	0.35063	0	
98	N103	-1.106461	0	-10.978217	0	
99	N104	-5.931353	0	-0.631203	0	
100	N105	-6.15793	0	-0.736858	0	
101	N106	-6.15793	5.484167	-0.736858	0	
102	N107	-6.15793	-2.515833	-0.736858	0	
103	N108	-3.524395	-.375	-5.126314	0	
104	N109	-4.381752	0	-3.954332	0	
105	N110	-4.608329	0	-4.059986	0	
106	N111	-4.608329	5.484167	-4.059986	0	
107	N112	-4.608329	-2.515833	-4.059986	0	
108	N113	-3.025852	0	-6.862069	0	
109	N114	-3.252429	0	-6.967724	0	
110	N115	-3.252429	5.484167	-6.967724	0	
111	N116	-3.252429	-2.515833	-6.967724	0	
112	N117	-1.51147	0	-10.109672	0	
113	N118	-1.738047	0	-10.215327	0	
114	N119	-1.738047	5.484167	-10.215327	0	
115	N120	-1.738047	-2.515833	-10.215327	0	
116	N121	-3.747825	4.166667	-5.313793	0	
117	N122	-6.389189	4.166667	0.35063	0	
118	N123	-1.106461	4.166667	-10.978217	0	
119	N124	-5.931353	4.166667	-0.631203	0	
120	N125	-6.15793	4.166667	-0.736858	0	
121	N126	-4.381752	4.166667	-3.954332	0	
122	N127	-4.608329	4.166667	-4.059986	0	
123	N128	-3.025852	4.166667	-6.862069	0	
124	N129	-3.252429	4.166667	-6.967724	0	
125	N130	-1.51147	4.166667	-10.109672	0	
126	N131	-1.738047	4.166667	-10.215327	0	
127	N132	-1.31777	4.166667	-10.525063	0	
128	N133	-1.31777	4.366667	-10.525063	0	
129	N134	-6.17788	4.166667	-0.102524	0	
130	N135	-6.17788	4.366667	-0.102524	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
131	N136	-3.380762	0	-5.005791	0	
132	N137	-0.913296	0	-3.029792	0	
133	N143	-1.27414	-3.625	-3.238125	0	
134	N144	-2.838147	0	-4.550483	0	
135	N135A	-1.708333	2.5	2.447917	0	
136	N136A	-1.708333	1.958333	2.447917	0	
137	N137A	-1.708333	3.5	2.447917	0	
138	N138	-1.708333	-0.583333	2.447917	0	
139	N140	-1.708333	1.5	2.447917	0	
140	N140A	-1.708333	4.734167	2.447917	0	
141	N141	-0.266667	1.583333	-0.239583	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Support Rail	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
3	Tiebacks	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Standoff Arm	HSS4X4X4	Beam	Tube	A500 Gr.46	Typical	3.37	7.8	7.8	12.8
5	Standoff Pipe	PIPE_4.0	Column	Pipe	A53 Gr. B	Typical	2.96	6.82	6.82	13.6
6	Horizontal	PIPE_3.0	Column	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
7	Kickers	LL2.5x2.5x3x3	Column	Double Angle (No ...	A36 Gr.36	Typical	1.8	2.46	1.07	.023

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N40A			Standoff Arm	Beam	Tube	A500 Gr.46	Typical
2	M2	N4	N3			Standoff Pipe	Column	Pipe	A53 Gr. B	Typical
3	M4	N7	N6			Horizontal	Column	Pipe	A53 Gr. B	Typical
4	MP1A	N13	N14			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
5	M8	N11	N12			RIGID	None	None	RIGID	Typical
6	M10A	N2	N5			RIGID	None	None	RIGID	Typical
7	MP2A	N15	N16			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
8	M8A	N13A	N14A			RIGID	None	None	RIGID	Typical
9	MP3A	N19	N20			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
10	M10	N17	N18			RIGID	None	None	RIGID	Typical
11	MP4A	N23	N24			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
12	M12	N21A	N22			RIGID	None	None	RIGID	Typical
13	M13	N27	N26			Support Rail	Column	Pipe	A53 Gr. B	Typical
14	M14	N28	N29			RIGID	None	None	RIGID	Typical
15	M15	N30	N31			RIGID	None	None	RIGID	Typical
16	M16	N32	N33			RIGID	None	None	RIGID	Typical
17	M17	N34	N35			RIGID	None	None	RIGID	Typical
18	M18	N36	N38			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
19	M19	N39	N40			RIGID	None	None	RIGID	Typical
20	M20	N2	N40A			RIGID	None	None	RIGID	Typical
21	M21	N43	N44			RIGID	None	None	RIGID	Typical
22	OVP	N45	N46			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
23	M23	N48	N47			Kickers	Column	Double Angle (...	A36 Gr.36	Typical
24	M24	N49	N88			Standoff Arm	Beam	Tube	A500 Gr.46	Typical
25	M25	N52	N51		240	Standoff Pipe	Column	Pipe	A53 Gr. B	Typical
26	M26	N55	N54			Horizontal	Column	Pipe	A53 Gr. B	Typical
27	MP1C	N58	N59		240	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
28	M28	N56	N57			RIGID	None	None	RIGID	Typical
29	M29	N50	N53			RIGID	None	None	RIGID	Typical
30	MP2C	N63	N64		240	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
31	M31	N61	N62			RIGID	None	None	RIGID	Typical
32	MP3C	N67	N68		240	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
33	M33	N65	N66			RIGID	None	None	RIGID	Typical
34	MP4C	N71	N72		240	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
35	M35	N69	N70			RIGID	None	None	RIGID	Typical
36	M36	N75	N74			Support Rail	Column	Pipe	A53 Gr. B	Typical
37	M37	N76	N77			RIGID	None	None	RIGID	Typical
38	M38	N78	N79			RIGID	None	None	RIGID	Typical
39	M39	N80	N81			RIGID	None	None	RIGID	Typical
40	M40	N82	N83			RIGID	None	None	RIGID	Typical
41	M41	N84	N85		120	RIGID	None	None	RIGID	Typical
42	M42	N86	N87		120	RIGID	None	None	RIGID	Typical
43	M43	N50	N88			RIGID	None	None	RIGID	Typical
44	M46	N96	N95			Kickers	Column	Double Angle (...	A36 Gr.36	Typical
45	M47	N97	N136			Standoff Arm	Beam	Tube	A500 Gr.46	Typical
46	M48	N100	N99		120	Standoff Pipe	Column	Pipe	A53 Gr. B	Typical
47	M49	N103	N102			Horizontal	Column	Pipe	A53 Gr. B	Typical
48	MP1B	N106	N107		120	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
49	M51	N104	N105			RIGID	None	None	RIGID	Typical
50	M52	N98	N101			RIGID	None	None	RIGID	Typical
51	MP2B	N111	N112		120	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
52	M54	N109	N110			RIGID	None	None	RIGID	Typical
53	MP3B	N115	N116		120	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
54	M56	N113	N114			RIGID	None	None	RIGID	Typical
55	MP4B	N119	N120		120	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
56	M58	N117	N118			RIGID	None	None	RIGID	Typical
57	M59	N123	N122			Support Rail	Column	Pipe	A53 Gr. B	Typical
58	M60	N124	N125			RIGID	None	None	RIGID	Typical
59	M61	N126	N127			RIGID	None	None	RIGID	Typical
60	M62	N128	N129			RIGID	None	None	RIGID	Typical
61	M63	N130	N131			RIGID	None	None	RIGID	Typical
62	M64	N132	N133		240	RIGID	None	None	RIGID	Typical
63	M65	N134	N135		240	RIGID	None	None	RIGID	Typical
64	M66	N98	N136			RIGID	None	None	RIGID	Typical
65	M69	N144	N143			Kickers	Column	Double Angle (...	A36 Gr.36	Typical
66	M70	N38	N135			Tiebacks	Column	Pipe	A53 Gr. B	Typical
67	M71	N133	N87			Tiebacks	Column	Pipe	A53 Gr. B	Typical
68	M72	N40	N85			Tiebacks	Column	Pipe	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M2						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...
3	M4						Yes	** NA **			None
4	MP1A						Yes	** NA **			None
5	M8						Yes	** NA **			None
6	M10A	OOOOXO					Yes	** NA **			None
7	MP2A						Yes	** NA **			None
8	M8A						Yes	** NA **			None
9	MP3A						Yes	** NA **			None
10	M10						Yes	** NA **			None
11	MP4A						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	M13						Yes	** NA **			None
14	M14						Yes	** NA **			None
15	M15						Yes	** NA **			None
16	M16						Yes	** NA **			None
17	M17						Yes	** NA **			None
18	M18						Yes	** NA **			None
19	M19						Yes	** NA **			None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	OVP						Yes	** NA **			None
23	M23	BenPIN	BenPIN				Yes	** NA **			None
24	M24						Yes	Default			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	MP1C						Yes	** NA **			None
28	M28						Yes	** NA **			None
29	M29	OOOOXO					Yes	** NA **			None
30	MP2C						Yes	** NA **			None
31	M31						Yes	** NA **			None
32	MP3C						Yes	** NA **			None
33	M33						Yes	** NA **			None
34	MP4C						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	M37						Yes	** NA **			None
38	M38						Yes	** NA **			None
39	M39						Yes	** NA **			None
40	M40						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43						Yes	** NA **			None
44	M46	BenPIN	BenPIN				Yes	** NA **			None
45	M47						Yes	Default			None
46	M48						Yes	** NA **			None
47	M49						Yes	** NA **			None
48	MP1B						Yes	** NA **			None
49	M51						Yes	** NA **			None
50	M52	OOOOXO					Yes	** NA **			None
51	MP2B						Yes	** NA **			None
52	M54						Yes	** NA **			None
53	MP3B						Yes	** NA **			None
54	M56						Yes	** NA **			None
55	MP4B						Yes	** NA **			None
56	M58						Yes	** NA **			None
57	M59						Yes	** NA **			None
58	M60						Yes	** NA **			None
59	M61						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...
60	M62						Yes	** NA **			None
61	M63						Yes	** NA **			None
62	M64						Yes	** NA **			None
63	M65						Yes	** NA **			None
64	M66						Yes	** NA **			None
65	M69	BenPIN	BenPIN				Yes	** NA **			None
66	M70	BenPIN	BenPIN				Yes	** NA **			None
67	M71	BenPIN	BenPIN				Yes	** NA **			None
68	M72	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-43.55	1.73
2	MP4A	My	-.022	1.73
3	MP4A	Mz	0	1.73
4	MP4A	Y	-43.55	3.73
5	MP4A	My	-.022	3.73
6	MP4A	Mz	0	3.73
7	MP4B	Y	-43.55	1.73
8	MP4B	My	.007	1.73
9	MP4B	Mz	-.02	1.73
10	MP4B	Y	-43.55	3.73
11	MP4B	My	.007	3.73
12	MP4B	Mz	-.02	3.73
13	MP4C	Y	-43.55	1.73
14	MP4C	My	.007	1.73
15	MP4C	Mz	.02	1.73
16	MP4C	Y	-43.55	3.73
17	MP4C	My	.007	3.73
18	MP4C	Mz	.02	3.73
19	MP2A	Y	-31.65	1.73
20	MP2A	My	-.024	1.73
21	MP2A	Mz	.024	1.73
22	MP2A	Y	-31.65	5.82
23	MP2A	My	-.024	5.82
24	MP2A	Mz	.024	5.82
25	MP2B	Y	-31.65	1.73
26	MP2B	My	-.014	1.73
27	MP2B	Mz	-.03	1.73
28	MP2B	Y	-31.65	5.82
29	MP2B	My	-.014	5.82
30	MP2B	Mz	-.03	5.82
31	MP2C	Y	-31.65	1.73
32	MP2C	My	.03	1.73
33	MP2C	Mz	.014	1.73
34	MP2C	Y	-31.65	5.82
35	MP2C	My	.03	5.82
36	MP2C	Mz	.014	5.82
37	MP2A	Y	-31.65	1.73
38	MP2A	My	-.024	1.73
39	MP2A	Mz	-.024	1.73
40	MP2A	Y	-31.65	5.82
41	MP2A	My	-.024	5.82
42	MP2A	Mz	-.024	5.82
43	MP2B	Y	-31.65	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP2B	My	.03	1.73
45	MP2B	Mz	-.014	1.73
46	MP2B	Y	-31.65	5.82
47	MP2B	My	.03	5.82
48	MP2B	Mz	-.014	5.82
49	MP2C	Y	-31.65	1.73
50	MP2C	My	-.014	1.73
51	MP2C	Mz	.03	1.73
52	MP2C	Y	-31.65	5.82
53	MP2C	My	-.014	5.82
54	MP2C	Mz	.03	5.82
55	MP2A	Y	-10.4	.5
56	MP2A	My	.005	.5
57	MP2A	Mz	0	.5
58	MP2B	Y	-10.4	.5
59	MP2B	My	-.002	.5
60	MP2B	Mz	.005	.5
61	MP2C	Y	-10.4	.5
62	MP2C	My	-.002	.5
63	MP2C	Mz	-.005	.5
64	MP1A	Y	-84.4	2.73
65	MP1A	My	.042	2.73
66	MP1A	Mz	0	2.73
67	MP1B	Y	-84.4	2.73
68	MP1B	My	-.014	2.73
69	MP1B	Mz	.04	2.73
70	MP1C	Y	-84.4	2.73
71	MP1C	My	-.014	2.73
72	MP1C	Mz	-.04	2.73
73	MP2A	Y	-70.3	2.73
74	MP2A	My	.035	2.73
75	MP2A	Mz	0	2.73
76	MP2B	Y	-70.3	2.73
77	MP2B	My	-.012	2.73
78	MP2B	Mz	.033	2.73
79	MP2C	Y	-70.3	2.73
80	MP2C	My	-.012	2.73
81	MP2C	Mz	-.033	2.73
82	OVP	Y	-32	1.63
83	OVP	My	0	1.63
84	OVP	Mz	0	1.63

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-34.772	1.73
2	MP4A	My	-.017	1.73
3	MP4A	Mz	0	1.73
4	MP4A	Y	-34.772	3.73
5	MP4A	My	-.017	3.73
6	MP4A	Mz	0	3.73
7	MP4B	Y	-34.772	1.73
8	MP4B	My	.006	1.73
9	MP4B	Mz	-.016	1.73
10	MP4B	Y	-34.772	3.73
11	MP4B	My	.006	3.73
12	MP4B	Mz	-.016	3.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP4C	Y	-34.772	1.73
14	MP4C	My	.006	1.73
15	MP4C	Mz	.016	1.73
16	MP4C	Y	-34.772	3.73
17	MP4C	My	.006	3.73
18	MP4C	Mz	.016	3.73
19	MP2A	Y	-68.324	1.73
20	MP2A	My	-.051	1.73
21	MP2A	Mz	.051	1.73
22	MP2A	Y	-68.324	5.82
23	MP2A	My	-.051	5.82
24	MP2A	Mz	.051	5.82
25	MP2B	Y	-68.324	1.73
26	MP2B	My	-.031	1.73
27	MP2B	Mz	-.066	1.73
28	MP2B	Y	-68.324	5.82
29	MP2B	My	-.031	5.82
30	MP2B	Mz	-.066	5.82
31	MP2C	Y	-68.324	1.73
32	MP2C	My	.066	1.73
33	MP2C	Mz	.031	1.73
34	MP2C	Y	-68.324	5.82
35	MP2C	My	.066	5.82
36	MP2C	Mz	.031	5.82
37	MP2A	Y	-68.324	1.73
38	MP2A	My	-.051	1.73
39	MP2A	Mz	-.051	1.73
40	MP2A	Y	-68.324	5.82
41	MP2A	My	-.051	5.82
42	MP2A	Mz	-.051	5.82
43	MP2B	Y	-68.324	1.73
44	MP2B	My	.066	1.73
45	MP2B	Mz	-.031	1.73
46	MP2B	Y	-68.324	5.82
47	MP2B	My	.066	5.82
48	MP2B	Mz	-.031	5.82
49	MP2C	Y	-68.324	1.73
50	MP2C	My	-.031	1.73
51	MP2C	Mz	.066	1.73
52	MP2C	Y	-68.324	5.82
53	MP2C	My	-.031	5.82
54	MP2C	Mz	.066	5.82
55	MP2A	Y	-10.453	.5
56	MP2A	My	.005	.5
57	MP2A	Mz	0	.5
58	MP2B	Y	-10.453	.5
59	MP2B	My	-.002	.5
60	MP2B	Mz	.005	.5
61	MP2C	Y	-10.453	.5
62	MP2C	My	-.002	.5
63	MP2C	Mz	-.005	.5
64	MP1A	Y	-43.824	2.73
65	MP1A	My	.022	2.73
66	MP1A	Mz	0	2.73
67	MP1B	Y	-43.824	2.73
68	MP1B	My	-.007	2.73
69	MP1B	Mz	.021	2.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1C	Y	-43.824	2.73
71	MP1C	My	-.007	2.73
72	MP1C	Mz	-.021	2.73
73	MP2A	Y	-39.405	2.73
74	MP2A	My	.02	2.73
75	MP2A	Mz	0	2.73
76	MP2B	Y	-39.405	2.73
77	MP2B	My	-.007	2.73
78	MP2B	Mz	.019	2.73
79	MP2C	Y	-39.405	2.73
80	MP2C	My	-.007	2.73
81	MP2C	Mz	-.019	2.73
82	OVP	Y	-85.871	1.63
83	OVP	My	0	1.63
84	OVP	Mz	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.73
2	MP4A	Z	-85.472	1.73
3	MP4A	Mx	0	1.73
4	MP4A	X	0	3.73
5	MP4A	Z	-85.472	3.73
6	MP4A	Mx	0	3.73
7	MP4B	X	0	1.73
8	MP4B	Z	-39.546	1.73
9	MP4B	Mx	.019	1.73
10	MP4B	X	0	3.73
11	MP4B	Z	-39.546	3.73
12	MP4B	Mx	.019	3.73
13	MP4C	X	0	1.73
14	MP4C	Z	-39.546	1.73
15	MP4C	Mx	-.019	1.73
16	MP4C	X	0	3.73
17	MP4C	Z	-39.546	3.73
18	MP4C	Mx	-.019	3.73
19	MP2A	X	0	1.73
20	MP2A	Z	-165.669	1.73
21	MP2A	Mx	-.124	1.73
22	MP2A	X	0	5.82
23	MP2A	Z	-165.669	5.82
24	MP2A	Mx	-.124	5.82
25	MP2B	X	0	1.73
26	MP2B	Z	-115.461	1.73
27	MP2B	Mx	.111	1.73
28	MP2B	X	0	5.82
29	MP2B	Z	-115.461	5.82
30	MP2B	Mx	.111	5.82
31	MP2C	X	0	1.73
32	MP2C	Z	-115.461	1.73
33	MP2C	Mx	-.052	1.73
34	MP2C	X	0	5.82
35	MP2C	Z	-115.461	5.82
36	MP2C	Mx	-.052	5.82
37	MP2A	X	0	1.73
38	MP2A	Z	-165.669	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP2A	Mx	.124	1.73
40	MP2A	X	0	5.82
41	MP2A	Z	-165.669	5.82
42	MP2A	Mx	.124	5.82
43	MP2B	X	0	1.73
44	MP2B	Z	-115.461	1.73
45	MP2B	Mx	.052	1.73
46	MP2B	X	0	5.82
47	MP2B	Z	-115.461	5.82
48	MP2B	Mx	.052	5.82
49	MP2C	X	0	1.73
50	MP2C	Z	-115.461	1.73
51	MP2C	Mx	-.111	1.73
52	MP2C	X	0	5.82
53	MP2C	Z	-115.461	5.82
54	MP2C	Mx	-.111	5.82
55	MP2A	X	0	.5
56	MP2A	Z	-13.457	.5
57	MP2A	Mx	0	.5
58	MP2B	X	0	.5
59	MP2B	Z	-9.796	.5
60	MP2B	Mx	-.005	.5
61	MP2C	X	0	.5
62	MP2C	Z	-9.796	.5
63	MP2C	Mx	.005	.5
64	MP1A	X	0	2.73
65	MP1A	Z	-68.014	2.73
66	MP1A	Mx	0	2.73
67	MP1B	X	0	2.73
68	MP1B	Z	-48.101	2.73
69	MP1B	Mx	-.023	2.73
70	MP1C	X	0	2.73
71	MP1C	Z	-48.101	2.73
72	MP1C	Mx	.023	2.73
73	MP2A	X	0	2.73
74	MP2A	Z	-68.014	2.73
75	MP2A	Mx	0	2.73
76	MP2B	X	0	2.73
77	MP2B	Z	-40.474	2.73
78	MP2B	Mx	-.019	2.73
79	MP2C	X	0	2.73
80	MP2C	Z	-40.474	2.73
81	MP2C	Mx	.019	2.73
82	OVP	X	0	1.63
83	OVP	Z	-113.714	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	36.235	1.73
2	MP4A	Z	-62.76	1.73
3	MP4A	Mx	-.018	1.73
4	MP4A	X	36.235	3.73
5	MP4A	Z	-62.76	3.73
6	MP4A	Mx	-.018	3.73
7	MP4B	X	17.515	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4B	Z	-30.337	1.73
9	MP4B	Mx	.017	1.73
10	MP4B	X	17.515	3.73
11	MP4B	Z	-30.337	3.73
12	MP4B	Mx	.017	3.73
13	MP4C	X	31.991	1.73
14	MP4C	Z	-55.41	1.73
15	MP4C	Mx	-.021	1.73
16	MP4C	X	31.991	3.73
17	MP4C	Z	-55.41	3.73
18	MP4C	Mx	-.021	3.73
19	MP2A	X	75.727	1.73
20	MP2A	Z	-131.163	1.73
21	MP2A	Mx	-.155	1.73
22	MP2A	X	75.727	5.82
23	MP2A	Z	-131.163	5.82
24	MP2A	Mx	-.155	5.82
25	MP2B	X	55.262	1.73
26	MP2B	Z	-95.717	1.73
27	MP2B	Mx	.067	1.73
28	MP2B	X	55.262	5.82
29	MP2B	Z	-95.717	5.82
30	MP2B	Mx	.067	5.82
31	MP2C	X	71.088	1.73
32	MP2C	Z	-123.128	1.73
33	MP2C	Mx	.013	1.73
34	MP2C	X	71.088	5.82
35	MP2C	Z	-123.128	5.82
36	MP2C	Mx	.013	5.82
37	MP2A	X	75.727	1.73
38	MP2A	Z	-131.163	1.73
39	MP2A	Mx	.042	1.73
40	MP2A	X	75.727	5.82
41	MP2A	Z	-131.163	5.82
42	MP2A	Mx	.042	5.82
43	MP2B	X	55.262	1.73
44	MP2B	Z	-95.717	1.73
45	MP2B	Mx	.096	1.73
46	MP2B	X	55.262	5.82
47	MP2B	Z	-95.717	5.82
48	MP2B	Mx	.096	5.82
49	MP2C	X	71.088	1.73
50	MP2C	Z	-123.128	1.73
51	MP2C	Mx	-.15	1.73
52	MP2C	X	71.088	5.82
53	MP2C	Z	-123.128	5.82
54	MP2C	Mx	-.15	5.82
55	MP2A	X	6.21	.5
56	MP2A	Z	-10.757	.5
57	MP2A	Mx	.003	.5
58	MP2B	X	4.718	.5
59	MP2B	Z	-8.172	.5
60	MP2B	Mx	-.005	.5
61	MP2C	X	5.872	.5
62	MP2C	Z	-10.171	.5
63	MP2C	Mx	.004	.5
64	MP1A	X	31.188	2.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP1A	Z	-54.019	2.73
66	MP1A	Mx	.016	2.73
67	MP1B	X	23.072	2.73
68	MP1B	Z	-39.962	2.73
69	MP1B	Mx	-.023	2.73
70	MP1C	X	29.348	2.73
71	MP1C	Z	-50.833	2.73
72	MP1C	Mx	.019	2.73
73	MP2A	X	30.108	2.73
74	MP2A	Z	-52.149	2.73
75	MP2A	Mx	.015	2.73
76	MP2B	X	18.883	2.73
77	MP2B	Z	-32.706	2.73
78	MP2B	Mx	-.019	2.73
79	MP2C	X	27.564	2.73
80	MP2C	Z	-47.742	2.73
81	MP2C	Mx	.018	2.73
82	OVP	X	58.377	1.63
83	OVP	Z	-101.112	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	40.239	1.73
2	MP4A	Z	-23.232	1.73
3	MP4A	Mx	-.02	1.73
4	MP4A	X	40.239	3.73
5	MP4A	Z	-23.232	3.73
6	MP4A	Mx	-.02	3.73
7	MP4B	X	47.589	1.73
8	MP4B	Z	-27.476	1.73
9	MP4B	Mx	.021	1.73
10	MP4B	X	47.589	3.73
11	MP4B	Z	-27.476	3.73
12	MP4B	Mx	.021	3.73
13	MP4C	X	72.662	1.73
14	MP4C	Z	-41.952	1.73
15	MP4C	Mx	-.007	1.73
16	MP4C	X	72.662	3.73
17	MP4C	Z	-41.952	3.73
18	MP4C	Mx	-.007	3.73
19	MP2A	X	106.542	1.73
20	MP2A	Z	-61.512	1.73
21	MP2A	Mx	-.126	1.73
22	MP2A	X	106.542	5.82
23	MP2A	Z	-61.512	5.82
24	MP2A	Mx	-.126	5.82
25	MP2B	X	114.578	1.73
26	MP2B	Z	-66.151	1.73
27	MP2B	Mx	.012	1.73
28	MP2B	X	114.578	5.82
29	MP2B	Z	-66.151	5.82
30	MP2B	Mx	.012	5.82
31	MP2C	X	141.989	1.73
32	MP2C	Z	-81.977	1.73
33	MP2C	Mx	.1	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	X	141.989	5.82
35	MP2C	Z	-81.977	5.82
36	MP2C	Mx	.1	5.82
37	MP2A	X	106.542	1.73
38	MP2A	Z	-61.512	1.73
39	MP2A	Mx	-.034	1.73
40	MP2A	X	106.542	5.82
41	MP2A	Z	-61.512	5.82
42	MP2A	Mx	-.034	5.82
43	MP2B	X	114.578	1.73
44	MP2B	Z	-66.151	1.73
45	MP2B	Mx	.14	1.73
46	MP2B	X	114.578	5.82
47	MP2B	Z	-66.151	5.82
48	MP2B	Mx	.14	5.82
49	MP2C	X	141.989	1.73
50	MP2C	Z	-81.977	1.73
51	MP2C	Mx	-.142	1.73
52	MP2C	X	141.989	5.82
53	MP2C	Z	-81.977	5.82
54	MP2C	Mx	-.142	5.82
55	MP2A	X	8.961	.5
56	MP2A	Z	-5.174	.5
57	MP2A	Mx	.004	.5
58	MP2B	X	9.547	.5
59	MP2B	Z	-5.512	.5
60	MP2B	Mx	-.004	.5
61	MP2C	X	11.546	.5
62	MP2C	Z	-6.666	.5
63	MP2C	Mx	.001	.5
64	MP1A	X	44.255	2.73
65	MP1A	Z	-25.551	2.73
66	MP1A	Mx	.022	2.73
67	MP1B	X	47.441	2.73
68	MP1B	Z	-27.39	2.73
69	MP1B	Mx	-.021	2.73
70	MP1C	X	58.313	2.73
71	MP1C	Z	-33.667	2.73
72	MP1C	Mx	.006	2.73
73	MP2A	X	38.644	2.73
74	MP2A	Z	-22.311	2.73
75	MP2A	Mx	.019	2.73
76	MP2B	X	43.052	2.73
77	MP2B	Z	-24.856	2.73
78	MP2B	Mx	-.019	2.73
79	MP2C	X	58.087	2.73
80	MP2C	Z	-33.537	2.73
81	MP2C	Mx	.006	2.73
82	OVP	X	115.356	1.63
83	OVP	Z	-66.601	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	33.462	1.73
2	MP4A	Z	0	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP4A	Mx	-.017	1.73
4	MP4A	X	33.462	3.73
5	MP4A	Z	0	3.73
6	MP4A	Mx	-.017	3.73
7	MP4B	X	79.388	1.73
8	MP4B	Z	0	1.73
9	MP4B	Mx	.014	1.73
10	MP4B	X	79.388	3.73
11	MP4B	Z	0	3.73
12	MP4B	Mx	.014	3.73
13	MP4C	X	79.388	1.73
14	MP4C	Z	0	1.73
15	MP4C	Mx	.014	1.73
16	MP4C	X	79.388	3.73
17	MP4C	Z	0	3.73
18	MP4C	Mx	.014	3.73
19	MP2A	X	108.81	1.73
20	MP2A	Z	0	1.73
21	MP2A	Mx	-.082	1.73
22	MP2A	X	108.81	5.82
23	MP2A	Z	0	5.82
24	MP2A	Mx	-.082	5.82
25	MP2B	X	159.018	1.73
26	MP2B	Z	0	1.73
27	MP2B	Mx	-.071	1.73
28	MP2B	X	159.018	5.82
29	MP2B	Z	0	5.82
30	MP2B	Mx	-.071	5.82
31	MP2C	X	159.018	1.73
32	MP2C	Z	0	1.73
33	MP2C	Mx	.153	1.73
34	MP2C	X	159.018	5.82
35	MP2C	Z	0	5.82
36	MP2C	Mx	.153	5.82
37	MP2A	X	108.81	1.73
38	MP2A	Z	0	1.73
39	MP2A	Mx	-.082	1.73
40	MP2A	X	108.81	5.82
41	MP2A	Z	0	5.82
42	MP2A	Mx	-.082	5.82
43	MP2B	X	159.018	1.73
44	MP2B	Z	0	1.73
45	MP2B	Mx	.153	1.73
46	MP2B	X	159.018	5.82
47	MP2B	Z	0	5.82
48	MP2B	Mx	.153	5.82
49	MP2C	X	159.018	1.73
50	MP2C	Z	0	1.73
51	MP2C	Mx	-.071	1.73
52	MP2C	X	159.018	5.82
53	MP2C	Z	0	5.82
54	MP2C	Mx	-.071	5.82
55	MP2A	X	9.311	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.005	.5
58	MP2B	X	12.972	.5
59	MP2B	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2B	Mx	-.002	.5
61	MP2C	X	12.972	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	-.002	.5
64	MP1A	X	45.464	2.73
65	MP1A	Z	0	2.73
66	MP1A	Mx	.023	2.73
67	MP1B	X	65.376	2.73
68	MP1B	Z	0	2.73
69	MP1B	Mx	-.011	2.73
70	MP1C	X	65.376	2.73
71	MP1C	Z	0	2.73
72	MP1C	Mx	-.011	2.73
73	MP2A	X	36.826	2.73
74	MP2A	Z	0	2.73
75	MP2A	Mx	.018	2.73
76	MP2B	X	64.365	2.73
77	MP2B	Z	0	2.73
78	MP2B	Mx	-.011	2.73
79	MP2C	X	64.365	2.73
80	MP2C	Z	0	2.73
81	MP2C	Mx	-.011	2.73
82	OVP	X	146.61	1.63
83	OVP	Z	0	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	40.239	1.73
2	MP4A	Z	23.232	1.73
3	MP4A	Mx	-.02	1.73
4	MP4A	X	40.239	3.73
5	MP4A	Z	23.232	3.73
6	MP4A	Mx	-.02	3.73
7	MP4B	X	72.662	1.73
8	MP4B	Z	41.952	1.73
9	MP4B	Mx	-.007	1.73
10	MP4B	X	72.662	3.73
11	MP4B	Z	41.952	3.73
12	MP4B	Mx	-.007	3.73
13	MP4C	X	47.589	1.73
14	MP4C	Z	27.476	1.73
15	MP4C	Mx	.021	1.73
16	MP4C	X	47.589	3.73
17	MP4C	Z	27.476	3.73
18	MP4C	Mx	.021	3.73
19	MP2A	X	106.542	1.73
20	MP2A	Z	61.512	1.73
21	MP2A	Mx	-.034	1.73
22	MP2A	X	106.542	5.82
23	MP2A	Z	61.512	5.82
24	MP2A	Mx	-.034	5.82
25	MP2B	X	141.989	1.73
26	MP2B	Z	81.977	1.73
27	MP2B	Mx	-.142	1.73
28	MP2B	X	141.989	5.82

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	81.977	5.82
30	MP2B	Mx	-.142	5.82
31	MP2C	X	114.578	1.73
32	MP2C	Z	66.151	1.73
33	MP2C	Mx	.14	1.73
34	MP2C	X	114.578	5.82
35	MP2C	Z	66.151	5.82
36	MP2C	Mx	.14	5.82
37	MP2A	X	106.542	1.73
38	MP2A	Z	61.512	1.73
39	MP2A	Mx	-.126	1.73
40	MP2A	X	106.542	5.82
41	MP2A	Z	61.512	5.82
42	MP2A	Mx	-.126	5.82
43	MP2B	X	141.989	1.73
44	MP2B	Z	81.977	1.73
45	MP2B	Mx	.1	1.73
46	MP2B	X	141.989	5.82
47	MP2B	Z	81.977	5.82
48	MP2B	Mx	.1	5.82
49	MP2C	X	114.578	1.73
50	MP2C	Z	66.151	1.73
51	MP2C	Mx	.012	1.73
52	MP2C	X	114.578	5.82
53	MP2C	Z	66.151	5.82
54	MP2C	Mx	.012	5.82
55	MP2A	X	8.961	.5
56	MP2A	Z	5.174	.5
57	MP2A	Mx	.004	.5
58	MP2B	X	11.546	.5
59	MP2B	Z	6.666	.5
60	MP2B	Mx	.001	.5
61	MP2C	X	9.547	.5
62	MP2C	Z	5.512	.5
63	MP2C	Mx	-.004	.5
64	MP1A	X	44.255	2.73
65	MP1A	Z	25.551	2.73
66	MP1A	Mx	.022	2.73
67	MP1B	X	58.313	2.73
68	MP1B	Z	33.667	2.73
69	MP1B	Mx	.006	2.73
70	MP1C	X	47.441	2.73
71	MP1C	Z	27.39	2.73
72	MP1C	Mx	-.021	2.73
73	MP2A	X	38.644	2.73
74	MP2A	Z	22.311	2.73
75	MP2A	Mx	.019	2.73
76	MP2B	X	58.087	2.73
77	MP2B	Z	33.537	2.73
78	MP2B	Mx	.006	2.73
79	MP2C	X	43.052	2.73
80	MP2C	Z	24.856	2.73
81	MP2C	Mx	-.019	2.73
82	OVP	X	124.336	1.63
83	OVP	Z	71.785	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	36.235	1.73
2	MP4A	Z	62.76	1.73
3	MP4A	Mx	-.018	1.73
4	MP4A	X	36.235	3.73
5	MP4A	Z	62.76	3.73
6	MP4A	Mx	-.018	3.73
7	MP4B	X	31.991	1.73
8	MP4B	Z	55.41	1.73
9	MP4B	Mx	-.021	1.73
10	MP4B	X	31.991	3.73
11	MP4B	Z	55.41	3.73
12	MP4B	Mx	-.021	3.73
13	MP4C	X	17.515	1.73
14	MP4C	Z	30.337	1.73
15	MP4C	Mx	.017	1.73
16	MP4C	X	17.515	3.73
17	MP4C	Z	30.337	3.73
18	MP4C	Mx	.017	3.73
19	MP2A	X	75.727	1.73
20	MP2A	Z	131.163	1.73
21	MP2A	Mx	.042	1.73
22	MP2A	X	75.727	5.82
23	MP2A	Z	131.163	5.82
24	MP2A	Mx	.042	5.82
25	MP2B	X	71.088	1.73
26	MP2B	Z	123.128	1.73
27	MP2B	Mx	-.15	1.73
28	MP2B	X	71.088	5.82
29	MP2B	Z	123.128	5.82
30	MP2B	Mx	-.15	5.82
31	MP2C	X	55.262	1.73
32	MP2C	Z	95.717	1.73
33	MP2C	Mx	.096	1.73
34	MP2C	X	55.262	5.82
35	MP2C	Z	95.717	5.82
36	MP2C	Mx	.096	5.82
37	MP2A	X	75.727	1.73
38	MP2A	Z	131.163	1.73
39	MP2A	Mx	-.155	1.73
40	MP2A	X	75.727	5.82
41	MP2A	Z	131.163	5.82
42	MP2A	Mx	-.155	5.82
43	MP2B	X	71.088	1.73
44	MP2B	Z	123.128	1.73
45	MP2B	Mx	.013	1.73
46	MP2B	X	71.088	5.82
47	MP2B	Z	123.128	5.82
48	MP2B	Mx	.013	5.82
49	MP2C	X	55.262	1.73
50	MP2C	Z	95.717	1.73
51	MP2C	Mx	.067	1.73
52	MP2C	X	55.262	5.82
53	MP2C	Z	95.717	5.82
54	MP2C	Mx	.067	5.82
55	MP2A	X	6.21	.5
56	MP2A	Z	10.757	.5
57	MP2A	Mx	.003	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	5.872	.5
59	MP2B	Z	10.171	.5
60	MP2B	Mx	.004	.5
61	MP2C	X	4.718	.5
62	MP2C	Z	8.172	.5
63	MP2C	Mx	-.005	.5
64	MP1A	X	31.188	2.73
65	MP1A	Z	54.019	2.73
66	MP1A	Mx	.016	2.73
67	MP1B	X	29.348	2.73
68	MP1B	Z	50.833	2.73
69	MP1B	Mx	.019	2.73
70	MP1C	X	23.072	2.73
71	MP1C	Z	39.962	2.73
72	MP1C	Mx	-.023	2.73
73	MP2A	X	30.108	2.73
74	MP2A	Z	52.149	2.73
75	MP2A	Mx	.015	2.73
76	MP2B	X	27.564	2.73
77	MP2B	Z	47.742	2.73
78	MP2B	Mx	.018	2.73
79	MP2C	X	18.883	2.73
80	MP2C	Z	32.706	2.73
81	MP2C	Mx	-.019	2.73
82	OVP	X	63.561	1.63
83	OVP	Z	110.092	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.73
2	MP4A	Z	85.472	1.73
3	MP4A	Mx	0	1.73
4	MP4A	X	0	3.73
5	MP4A	Z	85.472	3.73
6	MP4A	Mx	0	3.73
7	MP4B	X	0	1.73
8	MP4B	Z	39.546	1.73
9	MP4B	Mx	-.019	1.73
10	MP4B	X	0	3.73
11	MP4B	Z	39.546	3.73
12	MP4B	Mx	-.019	3.73
13	MP4C	X	0	1.73
14	MP4C	Z	39.546	1.73
15	MP4C	Mx	.019	1.73
16	MP4C	X	0	3.73
17	MP4C	Z	39.546	3.73
18	MP4C	Mx	.019	3.73
19	MP2A	X	0	1.73
20	MP2A	Z	165.669	1.73
21	MP2A	Mx	.124	1.73
22	MP2A	X	0	5.82
23	MP2A	Z	165.669	5.82
24	MP2A	Mx	.124	5.82
25	MP2B	X	0	1.73
26	MP2B	Z	115.461	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.111	1.73
28	MP2B	X	0	5.82
29	MP2B	Z	115.461	5.82
30	MP2B	Mx	-.111	5.82
31	MP2C	X	0	1.73
32	MP2C	Z	115.461	1.73
33	MP2C	Mx	.052	1.73
34	MP2C	X	0	5.82
35	MP2C	Z	115.461	5.82
36	MP2C	Mx	.052	5.82
37	MP2A	X	0	1.73
38	MP2A	Z	165.669	1.73
39	MP2A	Mx	-.124	1.73
40	MP2A	X	0	5.82
41	MP2A	Z	165.669	5.82
42	MP2A	Mx	-.124	5.82
43	MP2B	X	0	1.73
44	MP2B	Z	115.461	1.73
45	MP2B	Mx	-.052	1.73
46	MP2B	X	0	5.82
47	MP2B	Z	115.461	5.82
48	MP2B	Mx	-.052	5.82
49	MP2C	X	0	1.73
50	MP2C	Z	115.461	1.73
51	MP2C	Mx	.111	1.73
52	MP2C	X	0	5.82
53	MP2C	Z	115.461	5.82
54	MP2C	Mx	.111	5.82
55	MP2A	X	0	.5
56	MP2A	Z	13.457	.5
57	MP2A	Mx	0	.5
58	MP2B	X	0	.5
59	MP2B	Z	9.796	.5
60	MP2B	Mx	.005	.5
61	MP2C	X	0	.5
62	MP2C	Z	9.796	.5
63	MP2C	Mx	-.005	.5
64	MP1A	X	0	2.73
65	MP1A	Z	68.014	2.73
66	MP1A	Mx	0	2.73
67	MP1B	X	0	2.73
68	MP1B	Z	48.101	2.73
69	MP1B	Mx	.023	2.73
70	MP1C	X	0	2.73
71	MP1C	Z	48.101	2.73
72	MP1C	Mx	-.023	2.73
73	MP2A	X	0	2.73
74	MP2A	Z	68.014	2.73
75	MP2A	Mx	0	2.73
76	MP2B	X	0	2.73
77	MP2B	Z	40.474	2.73
78	MP2B	Mx	.019	2.73
79	MP2C	X	0	2.73
80	MP2C	Z	40.474	2.73
81	MP2C	Mx	-.019	2.73
82	OVP	X	0	1.63
83	OVP	Z	113.714	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-36.235	1.73
2	MP4A	Z	62.76	1.73
3	MP4A	Mx	.018	1.73
4	MP4A	X	-36.235	3.73
5	MP4A	Z	62.76	3.73
6	MP4A	Mx	.018	3.73
7	MP4B	X	-17.515	1.73
8	MP4B	Z	30.337	1.73
9	MP4B	Mx	-.017	1.73
10	MP4B	X	-17.515	3.73
11	MP4B	Z	30.337	3.73
12	MP4B	Mx	-.017	3.73
13	MP4C	X	-31.991	1.73
14	MP4C	Z	55.41	1.73
15	MP4C	Mx	.021	1.73
16	MP4C	X	-31.991	3.73
17	MP4C	Z	55.41	3.73
18	MP4C	Mx	.021	3.73
19	MP2A	X	-75.727	1.73
20	MP2A	Z	131.163	1.73
21	MP2A	Mx	.155	1.73
22	MP2A	X	-75.727	5.82
23	MP2A	Z	131.163	5.82
24	MP2A	Mx	.155	5.82
25	MP2B	X	-55.262	1.73
26	MP2B	Z	95.717	1.73
27	MP2B	Mx	-.067	1.73
28	MP2B	X	-55.262	5.82
29	MP2B	Z	95.717	5.82
30	MP2B	Mx	-.067	5.82
31	MP2C	X	-71.088	1.73
32	MP2C	Z	123.128	1.73
33	MP2C	Mx	-.013	1.73
34	MP2C	X	-71.088	5.82
35	MP2C	Z	123.128	5.82
36	MP2C	Mx	-.013	5.82
37	MP2A	X	-75.727	1.73
38	MP2A	Z	131.163	1.73
39	MP2A	Mx	-.042	1.73
40	MP2A	X	-75.727	5.82
41	MP2A	Z	131.163	5.82
42	MP2A	Mx	-.042	5.82
43	MP2B	X	-55.262	1.73
44	MP2B	Z	95.717	1.73
45	MP2B	Mx	-.096	1.73
46	MP2B	X	-55.262	5.82
47	MP2B	Z	95.717	5.82
48	MP2B	Mx	-.096	5.82
49	MP2C	X	-71.088	1.73
50	MP2C	Z	123.128	1.73
51	MP2C	Mx	.15	1.73
52	MP2C	X	-71.088	5.82

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	123.128	5.82
54	MP2C	Mx	.15	5.82
55	MP2A	X	-6.21	.5
56	MP2A	Z	10.757	.5
57	MP2A	Mx	-.003	.5
58	MP2B	X	-4.718	.5
59	MP2B	Z	8.172	.5
60	MP2B	Mx	.005	.5
61	MP2C	X	-5.872	.5
62	MP2C	Z	10.171	.5
63	MP2C	Mx	-.004	.5
64	MP1A	X	-31.188	2.73
65	MP1A	Z	54.019	2.73
66	MP1A	Mx	-.016	2.73
67	MP1B	X	-23.072	2.73
68	MP1B	Z	39.962	2.73
69	MP1B	Mx	.023	2.73
70	MP1C	X	-29.348	2.73
71	MP1C	Z	50.833	2.73
72	MP1C	Mx	-.019	2.73
73	MP2A	X	-30.108	2.73
74	MP2A	Z	52.149	2.73
75	MP2A	Mx	-.015	2.73
76	MP2B	X	-18.883	2.73
77	MP2B	Z	32.706	2.73
78	MP2B	Mx	.019	2.73
79	MP2C	X	-27.564	2.73
80	MP2C	Z	47.742	2.73
81	MP2C	Mx	-.018	2.73
82	OVP	X	-58.377	1.63
83	OVP	Z	101.112	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-40.239	1.73
2	MP4A	Z	23.232	1.73
3	MP4A	Mx	.02	1.73
4	MP4A	X	-40.239	3.73
5	MP4A	Z	23.232	3.73
6	MP4A	Mx	.02	3.73
7	MP4B	X	-47.589	1.73
8	MP4B	Z	27.476	1.73
9	MP4B	Mx	-.021	1.73
10	MP4B	X	-47.589	3.73
11	MP4B	Z	27.476	3.73
12	MP4B	Mx	-.021	3.73
13	MP4C	X	-72.662	1.73
14	MP4C	Z	41.952	1.73
15	MP4C	Mx	.007	1.73
16	MP4C	X	-72.662	3.73
17	MP4C	Z	41.952	3.73
18	MP4C	Mx	.007	3.73
19	MP2A	X	-106.542	1.73
20	MP2A	Z	61.512	1.73
21	MP2A	Mx	.126	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-106.542	5.82
23	MP2A	Z	61.512	5.82
24	MP2A	Mx	.126	5.82
25	MP2B	X	-114.578	1.73
26	MP2B	Z	66.151	1.73
27	MP2B	Mx	-.012	1.73
28	MP2B	X	-114.578	5.82
29	MP2B	Z	66.151	5.82
30	MP2B	Mx	-.012	5.82
31	MP2C	X	-141.989	1.73
32	MP2C	Z	81.977	1.73
33	MP2C	Mx	-.1	1.73
34	MP2C	X	-141.989	5.82
35	MP2C	Z	81.977	5.82
36	MP2C	Mx	-.1	5.82
37	MP2A	X	-106.542	1.73
38	MP2A	Z	61.512	1.73
39	MP2A	Mx	.034	1.73
40	MP2A	X	-106.542	5.82
41	MP2A	Z	61.512	5.82
42	MP2A	Mx	.034	5.82
43	MP2B	X	-114.578	1.73
44	MP2B	Z	66.151	1.73
45	MP2B	Mx	-.14	1.73
46	MP2B	X	-114.578	5.82
47	MP2B	Z	66.151	5.82
48	MP2B	Mx	-.14	5.82
49	MP2C	X	-141.989	1.73
50	MP2C	Z	81.977	1.73
51	MP2C	Mx	.142	1.73
52	MP2C	X	-141.989	5.82
53	MP2C	Z	81.977	5.82
54	MP2C	Mx	.142	5.82
55	MP2A	X	-8.961	.5
56	MP2A	Z	5.174	.5
57	MP2A	Mx	-.004	.5
58	MP2B	X	-9.547	.5
59	MP2B	Z	5.512	.5
60	MP2B	Mx	.004	.5
61	MP2C	X	-11.546	.5
62	MP2C	Z	6.666	.5
63	MP2C	Mx	-.001	.5
64	MP1A	X	-44.255	2.73
65	MP1A	Z	25.551	2.73
66	MP1A	Mx	-.022	2.73
67	MP1B	X	-47.441	2.73
68	MP1B	Z	27.39	2.73
69	MP1B	Mx	.021	2.73
70	MP1C	X	-58.313	2.73
71	MP1C	Z	33.667	2.73
72	MP1C	Mx	-.006	2.73
73	MP2A	X	-38.644	2.73
74	MP2A	Z	22.311	2.73
75	MP2A	Mx	-.019	2.73
76	MP2B	X	-43.052	2.73
77	MP2B	Z	24.856	2.73
78	MP2B	Mx	.019	2.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2C	X	-58.087	2.73
80	MP2C	Z	33.537	2.73
81	MP2C	Mx	-.006	2.73
82	OVP	X	-115.356	1.63
83	OVP	Z	66.601	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-33.462	1.73
2	MP4A	Z	0	1.73
3	MP4A	Mx	.017	1.73
4	MP4A	X	-33.462	3.73
5	MP4A	Z	0	3.73
6	MP4A	Mx	.017	3.73
7	MP4B	X	-79.388	1.73
8	MP4B	Z	0	1.73
9	MP4B	Mx	-.014	1.73
10	MP4B	X	-79.388	3.73
11	MP4B	Z	0	3.73
12	MP4B	Mx	-.014	3.73
13	MP4C	X	-79.388	1.73
14	MP4C	Z	0	1.73
15	MP4C	Mx	-.014	1.73
16	MP4C	X	-79.388	3.73
17	MP4C	Z	0	3.73
18	MP4C	Mx	-.014	3.73
19	MP2A	X	-108.81	1.73
20	MP2A	Z	0	1.73
21	MP2A	Mx	.082	1.73
22	MP2A	X	-108.81	5.82
23	MP2A	Z	0	5.82
24	MP2A	Mx	.082	5.82
25	MP2B	X	-159.018	1.73
26	MP2B	Z	0	1.73
27	MP2B	Mx	.071	1.73
28	MP2B	X	-159.018	5.82
29	MP2B	Z	0	5.82
30	MP2B	Mx	.071	5.82
31	MP2C	X	-159.018	1.73
32	MP2C	Z	0	1.73
33	MP2C	Mx	-.153	1.73
34	MP2C	X	-159.018	5.82
35	MP2C	Z	0	5.82
36	MP2C	Mx	-.153	5.82
37	MP2A	X	-108.81	1.73
38	MP2A	Z	0	1.73
39	MP2A	Mx	.082	1.73
40	MP2A	X	-108.81	5.82
41	MP2A	Z	0	5.82
42	MP2A	Mx	.082	5.82
43	MP2B	X	-159.018	1.73
44	MP2B	Z	0	1.73
45	MP2B	Mx	-.153	1.73
46	MP2B	X	-159.018	5.82
47	MP2B	Z	0	5.82

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	-.153	5.82
49	MP2C	X	-159.018	1.73
50	MP2C	Z	0	1.73
51	MP2C	Mx	.071	1.73
52	MP2C	X	-159.018	5.82
53	MP2C	Z	0	5.82
54	MP2C	Mx	.071	5.82
55	MP2A	X	-9.311	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.005	.5
58	MP2B	X	-12.972	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	.002	.5
61	MP2C	X	-12.972	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	.002	.5
64	MP1A	X	-45.464	2.73
65	MP1A	Z	0	2.73
66	MP1A	Mx	-.023	2.73
67	MP1B	X	-65.376	2.73
68	MP1B	Z	0	2.73
69	MP1B	Mx	.011	2.73
70	MP1C	X	-65.376	2.73
71	MP1C	Z	0	2.73
72	MP1C	Mx	.011	2.73
73	MP2A	X	-36.826	2.73
74	MP2A	Z	0	2.73
75	MP2A	Mx	-.018	2.73
76	MP2B	X	-64.365	2.73
77	MP2B	Z	0	2.73
78	MP2B	Mx	.011	2.73
79	MP2C	X	-64.365	2.73
80	MP2C	Z	0	2.73
81	MP2C	Mx	.011	2.73
82	OVP	X	-146.61	1.63
83	OVP	Z	0	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-40.239	1.73
2	MP4A	Z	-23.232	1.73
3	MP4A	Mx	.02	1.73
4	MP4A	X	-40.239	3.73
5	MP4A	Z	-23.232	3.73
6	MP4A	Mx	.02	3.73
7	MP4B	X	-72.662	1.73
8	MP4B	Z	-41.952	1.73
9	MP4B	Mx	.007	1.73
10	MP4B	X	-72.662	3.73
11	MP4B	Z	-41.952	3.73
12	MP4B	Mx	.007	3.73
13	MP4C	X	-47.589	1.73
14	MP4C	Z	-27.476	1.73
15	MP4C	Mx	-.021	1.73
16	MP4C	X	-47.589	3.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP4C	Z	-27.476	3.73
18	MP4C	Mx	-.021	3.73
19	MP2A	X	-106.542	1.73
20	MP2A	Z	-61.512	1.73
21	MP2A	Mx	.034	1.73
22	MP2A	X	-106.542	5.82
23	MP2A	Z	-61.512	5.82
24	MP2A	Mx	.034	5.82
25	MP2B	X	-141.989	1.73
26	MP2B	Z	-81.977	1.73
27	MP2B	Mx	.142	1.73
28	MP2B	X	-141.989	5.82
29	MP2B	Z	-81.977	5.82
30	MP2B	Mx	.142	5.82
31	MP2C	X	-114.578	1.73
32	MP2C	Z	-66.151	1.73
33	MP2C	Mx	-.14	1.73
34	MP2C	X	-114.578	5.82
35	MP2C	Z	-66.151	5.82
36	MP2C	Mx	-.14	5.82
37	MP2A	X	-106.542	1.73
38	MP2A	Z	-61.512	1.73
39	MP2A	Mx	.126	1.73
40	MP2A	X	-106.542	5.82
41	MP2A	Z	-61.512	5.82
42	MP2A	Mx	.126	5.82
43	MP2B	X	-141.989	1.73
44	MP2B	Z	-81.977	1.73
45	MP2B	Mx	-.1	1.73
46	MP2B	X	-141.989	5.82
47	MP2B	Z	-81.977	5.82
48	MP2B	Mx	-.1	5.82
49	MP2C	X	-114.578	1.73
50	MP2C	Z	-66.151	1.73
51	MP2C	Mx	-.012	1.73
52	MP2C	X	-114.578	5.82
53	MP2C	Z	-66.151	5.82
54	MP2C	Mx	-.012	5.82
55	MP2A	X	-8.961	.5
56	MP2A	Z	-5.174	.5
57	MP2A	Mx	-.004	.5
58	MP2B	X	-11.546	.5
59	MP2B	Z	-6.666	.5
60	MP2B	Mx	-.001	.5
61	MP2C	X	-9.547	.5
62	MP2C	Z	-5.512	.5
63	MP2C	Mx	.004	.5
64	MP1A	X	-44.255	2.73
65	MP1A	Z	-25.551	2.73
66	MP1A	Mx	-.022	2.73
67	MP1B	X	-58.313	2.73
68	MP1B	Z	-33.667	2.73
69	MP1B	Mx	-.006	2.73
70	MP1C	X	-47.441	2.73
71	MP1C	Z	-27.39	2.73
72	MP1C	Mx	.021	2.73
73	MP2A	X	-38.644	2.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2A	Z	-22.311	2.73
75	MP2A	Mx	-.019	2.73
76	MP2B	X	-58.087	2.73
77	MP2B	Z	-33.537	2.73
78	MP2B	Mx	-.006	2.73
79	MP2C	X	-43.052	2.73
80	MP2C	Z	-24.856	2.73
81	MP2C	Mx	.019	2.73
82	OVP	X	-124.336	1.63
83	OVP	Z	-71.785	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-36.235	1.73
2	MP4A	Z	-62.76	1.73
3	MP4A	Mx	.018	1.73
4	MP4A	X	-36.235	3.73
5	MP4A	Z	-62.76	3.73
6	MP4A	Mx	.018	3.73
7	MP4B	X	-31.991	1.73
8	MP4B	Z	-55.41	1.73
9	MP4B	Mx	.021	1.73
10	MP4B	X	-31.991	3.73
11	MP4B	Z	-55.41	3.73
12	MP4B	Mx	.021	3.73
13	MP4C	X	-17.515	1.73
14	MP4C	Z	-30.337	1.73
15	MP4C	Mx	-.017	1.73
16	MP4C	X	-17.515	3.73
17	MP4C	Z	-30.337	3.73
18	MP4C	Mx	-.017	3.73
19	MP2A	X	-75.727	1.73
20	MP2A	Z	-131.163	1.73
21	MP2A	Mx	-.042	1.73
22	MP2A	X	-75.727	5.82
23	MP2A	Z	-131.163	5.82
24	MP2A	Mx	-.042	5.82
25	MP2B	X	-71.088	1.73
26	MP2B	Z	-123.128	1.73
27	MP2B	Mx	.15	1.73
28	MP2B	X	-71.088	5.82
29	MP2B	Z	-123.128	5.82
30	MP2B	Mx	.15	5.82
31	MP2C	X	-55.262	1.73
32	MP2C	Z	-95.717	1.73
33	MP2C	Mx	-.096	1.73
34	MP2C	X	-55.262	5.82
35	MP2C	Z	-95.717	5.82
36	MP2C	Mx	-.096	5.82
37	MP2A	X	-75.727	1.73
38	MP2A	Z	-131.163	1.73
39	MP2A	Mx	.155	1.73
40	MP2A	X	-75.727	5.82
41	MP2A	Z	-131.163	5.82
42	MP2A	Mx	.155	5.82

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP2B	X	-71.088	1.73
44	MP2B	Z	-123.128	1.73
45	MP2B	Mx	-.013	1.73
46	MP2B	X	-71.088	5.82
47	MP2B	Z	-123.128	5.82
48	MP2B	Mx	-.013	5.82
49	MP2C	X	-55.262	1.73
50	MP2C	Z	-95.717	1.73
51	MP2C	Mx	-.067	1.73
52	MP2C	X	-55.262	5.82
53	MP2C	Z	-95.717	5.82
54	MP2C	Mx	-.067	5.82
55	MP2A	X	-6.21	.5
56	MP2A	Z	-10.757	.5
57	MP2A	Mx	-.003	.5
58	MP2B	X	-5.872	.5
59	MP2B	Z	-10.171	.5
60	MP2B	Mx	-.004	.5
61	MP2C	X	-4.718	.5
62	MP2C	Z	-8.172	.5
63	MP2C	Mx	.005	.5
64	MP1A	X	-31.188	2.73
65	MP1A	Z	-54.019	2.73
66	MP1A	Mx	-.016	2.73
67	MP1B	X	-29.348	2.73
68	MP1B	Z	-50.833	2.73
69	MP1B	Mx	-.019	2.73
70	MP1C	X	-23.072	2.73
71	MP1C	Z	-39.962	2.73
72	MP1C	Mx	.023	2.73
73	MP2A	X	-30.108	2.73
74	MP2A	Z	-52.149	2.73
75	MP2A	Mx	-.015	2.73
76	MP2B	X	-27.564	2.73
77	MP2B	Z	-47.742	2.73
78	MP2B	Mx	-.018	2.73
79	MP2C	X	-18.883	2.73
80	MP2C	Z	-32.706	2.73
81	MP2C	Mx	.019	2.73
82	OVP	X	-63.561	1.63
83	OVP	Z	-110.092	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.73
2	MP4A	Z	-18.207	1.73
3	MP4A	Mx	0	1.73
4	MP4A	X	0	3.73
5	MP4A	Z	-18.207	3.73
6	MP4A	Mx	0	3.73
7	MP4B	X	0	1.73
8	MP4B	Z	-8.966	1.73
9	MP4B	Mx	.004	1.73
10	MP4B	X	0	3.73
11	MP4B	Z	-8.966	3.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	.004	3.73
13	MP4C	X	0	1.73
14	MP4C	Z	-8.966	1.73
15	MP4C	Mx	-.004	1.73
16	MP4C	X	0	3.73
17	MP4C	Z	-8.966	3.73
18	MP4C	Mx	-.004	3.73
19	MP2A	X	0	1.73
20	MP2A	Z	-34.252	1.73
21	MP2A	Mx	-.026	1.73
22	MP2A	X	0	5.82
23	MP2A	Z	-34.252	5.82
24	MP2A	Mx	-.026	5.82
25	MP2B	X	0	1.73
26	MP2B	Z	-24.622	1.73
27	MP2B	Mx	.024	1.73
28	MP2B	X	0	5.82
29	MP2B	Z	-24.622	5.82
30	MP2B	Mx	.024	5.82
31	MP2C	X	0	1.73
32	MP2C	Z	-24.622	1.73
33	MP2C	Mx	-.011	1.73
34	MP2C	X	0	5.82
35	MP2C	Z	-24.622	5.82
36	MP2C	Mx	-.011	5.82
37	MP2A	X	0	1.73
38	MP2A	Z	-34.252	1.73
39	MP2A	Mx	.026	1.73
40	MP2A	X	0	5.82
41	MP2A	Z	-34.252	5.82
42	MP2A	Mx	.026	5.82
43	MP2B	X	0	1.73
44	MP2B	Z	-24.622	1.73
45	MP2B	Mx	.011	1.73
46	MP2B	X	0	5.82
47	MP2B	Z	-24.622	5.82
48	MP2B	Mx	.011	5.82
49	MP2C	X	0	1.73
50	MP2C	Z	-24.622	1.73
51	MP2C	Mx	-.024	1.73
52	MP2C	X	0	5.82
53	MP2C	Z	-24.622	5.82
54	MP2C	Mx	-.024	5.82
55	MP2A	X	0	.5
56	MP2A	Z	-3.705	.5
57	MP2A	Mx	0	.5
58	MP2B	X	0	.5
59	MP2B	Z	-2.885	.5
60	MP2B	Mx	-.001	.5
61	MP2C	X	0	.5
62	MP2C	Z	-2.885	.5
63	MP2C	Mx	.001	.5
64	MP1A	X	0	2.73
65	MP1A	Z	-15.327	2.73
66	MP1A	Mx	0	2.73
67	MP1B	X	0	2.73
68	MP1B	Z	-11.199	2.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP1B	Mx	-.005	2.73
70	MP1C	X	0	2.73
71	MP1C	Z	-11.199	2.73
72	MP1C	Mx	.005	2.73
73	MP2A	X	0	2.73
74	MP2A	Z	-15.327	2.73
75	MP2A	Mx	0	2.73
76	MP2B	X	0	2.73
77	MP2B	Z	-9.631	2.73
78	MP2B	Mx	-.005	2.73
79	MP2C	X	0	2.73
80	MP2C	Z	-9.631	2.73
81	MP2C	Mx	.005	2.73
82	OVP	X	0	1.63
83	OVP	Z	-24.853	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.795	1.73
2	MP4A	Z	-13.502	1.73
3	MP4A	Mx	-.004	1.73
4	MP4A	X	7.795	3.73
5	MP4A	Z	-13.502	3.73
6	MP4A	Mx	-.004	3.73
7	MP4B	X	4.028	1.73
8	MP4B	Z	-6.978	1.73
9	MP4B	Mx	.004	1.73
10	MP4B	X	4.028	3.73
11	MP4B	Z	-6.978	3.73
12	MP4B	Mx	.004	3.73
13	MP4C	X	6.941	1.73
14	MP4C	Z	-12.023	1.73
15	MP4C	Mx	-.004	1.73
16	MP4C	X	6.941	3.73
17	MP4C	Z	-12.023	3.73
18	MP4C	Mx	-.004	3.73
19	MP2A	X	15.763	1.73
20	MP2A	Z	-27.302	1.73
21	MP2A	Mx	-.032	1.73
22	MP2A	X	15.763	5.82
23	MP2A	Z	-27.302	5.82
24	MP2A	Mx	-.032	5.82
25	MP2B	X	11.838	1.73
26	MP2B	Z	-20.504	1.73
27	MP2B	Mx	.014	1.73
28	MP2B	X	11.838	5.82
29	MP2B	Z	-20.504	5.82
30	MP2B	Mx	.014	5.82
31	MP2C	X	14.873	1.73
32	MP2C	Z	-25.761	1.73
33	MP2C	Mx	.003	1.73
34	MP2C	X	14.873	5.82
35	MP2C	Z	-25.761	5.82
36	MP2C	Mx	.003	5.82
37	MP2A	X	15.763	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2A	Z	-27.302	1.73
39	MP2A	Mx	.009	1.73
40	MP2A	X	15.763	5.82
41	MP2A	Z	-27.302	5.82
42	MP2A	Mx	.009	5.82
43	MP2B	X	11.838	1.73
44	MP2B	Z	-20.504	1.73
45	MP2B	Mx	.021	1.73
46	MP2B	X	11.838	5.82
47	MP2B	Z	-20.504	5.82
48	MP2B	Mx	.021	5.82
49	MP2C	X	14.873	1.73
50	MP2C	Z	-25.761	1.73
51	MP2C	Mx	-.031	1.73
52	MP2C	X	14.873	5.82
53	MP2C	Z	-25.761	5.82
54	MP2C	Mx	-.031	5.82
55	MP2A	X	1.736	.5
56	MP2A	Z	-3.007	.5
57	MP2A	Mx	.000868	.5
58	MP2B	X	1.402	.5
59	MP2B	Z	-2.429	.5
60	MP2B	Mx	-.001	.5
61	MP2C	X	1.661	.5
62	MP2C	Z	-2.876	.5
63	MP2C	Mx	.001	.5
64	MP1A	X	7.079	2.73
65	MP1A	Z	-12.261	2.73
66	MP1A	Mx	.004	2.73
67	MP1B	X	5.397	2.73
68	MP1B	Z	-9.347	2.73
69	MP1B	Mx	-.005	2.73
70	MP1C	X	6.698	2.73
71	MP1C	Z	-11.601	2.73
72	MP1C	Mx	.004	2.73
73	MP2A	X	6.857	2.73
74	MP2A	Z	-11.877	2.73
75	MP2A	Mx	.003	2.73
76	MP2B	X	4.535	2.73
77	MP2B	Z	-7.855	2.73
78	MP2B	Mx	-.004	2.73
79	MP2C	X	6.331	2.73
80	MP2C	Z	-10.965	2.73
81	MP2C	Mx	.004	2.73
82	OVP	X	12.726	1.63
83	OVP	Z	-22.041	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	8.97	1.73
2	MP4A	Z	-5.179	1.73
3	MP4A	Mx	-.004	1.73
4	MP4A	X	8.97	3.73
5	MP4A	Z	-5.179	3.73
6	MP4A	Mx	-.004	3.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP4B	X	10.449	1.73
8	MP4B	Z	-6.033	1.73
9	MP4B	Mx	.005	1.73
10	MP4B	X	10.449	3.73
11	MP4B	Z	-6.033	3.73
12	MP4B	Mx	.005	3.73
13	MP4C	X	15.494	1.73
14	MP4C	Z	-8.946	1.73
15	MP4C	Mx	-.002	1.73
16	MP4C	X	15.494	3.73
17	MP4C	Z	-8.946	3.73
18	MP4C	Mx	-.002	3.73
19	MP2A	X	22.58	1.73
20	MP2A	Z	-13.037	1.73
21	MP2A	Mx	-.027	1.73
22	MP2A	X	22.58	5.82
23	MP2A	Z	-13.037	5.82
24	MP2A	Mx	-.027	5.82
25	MP2B	X	24.121	1.73
26	MP2B	Z	-13.926	1.73
27	MP2B	Mx	.003	1.73
28	MP2B	X	24.121	5.82
29	MP2B	Z	-13.926	5.82
30	MP2B	Mx	.003	5.82
31	MP2C	X	29.378	1.73
32	MP2C	Z	-16.962	1.73
33	MP2C	Mx	.021	1.73
34	MP2C	X	29.378	5.82
35	MP2C	Z	-16.962	5.82
36	MP2C	Mx	.021	5.82
37	MP2A	X	22.58	1.73
38	MP2A	Z	-13.037	1.73
39	MP2A	Mx	-.007	1.73
40	MP2A	X	22.58	5.82
41	MP2A	Z	-13.037	5.82
42	MP2A	Mx	-.007	5.82
43	MP2B	X	24.121	1.73
44	MP2B	Z	-13.926	1.73
45	MP2B	Mx	.029	1.73
46	MP2B	X	24.121	5.82
47	MP2B	Z	-13.926	5.82
48	MP2B	Mx	.029	5.82
49	MP2C	X	29.378	1.73
50	MP2C	Z	-16.962	1.73
51	MP2C	Mx	-.029	1.73
52	MP2C	X	29.378	5.82
53	MP2C	Z	-16.962	5.82
54	MP2C	Mx	-.029	5.82
55	MP2A	X	2.605	.5
56	MP2A	Z	-1.504	.5
57	MP2A	Mx	.001	.5
58	MP2B	X	2.737	.5
59	MP2B	Z	-1.58	.5
60	MP2B	Mx	-.001	.5
61	MP2C	X	3.184	.5
62	MP2C	Z	-1.838	.5
63	MP2C	Mx	.000319	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP1A	X	10.237	2.73
65	MP1A	Z	-5.91	2.73
66	MP1A	Mx	.005	2.73
67	MP1B	X	10.898	2.73
68	MP1B	Z	-6.292	2.73
69	MP1B	Mx	-.005	2.73
70	MP1C	X	13.151	2.73
71	MP1C	Z	-7.593	2.73
72	MP1C	Mx	.001	2.73
73	MP2A	X	9.083	2.73
74	MP2A	Z	-5.244	2.73
75	MP2A	Mx	.005	2.73
76	MP2B	X	9.995	2.73
77	MP2B	Z	-5.771	2.73
78	MP2B	Mx	-.004	2.73
79	MP2C	X	13.105	2.73
80	MP2C	Z	-7.566	2.73
81	MP2C	Mx	.001	2.73
82	OVP	X	24.843	1.63
83	OVP	Z	-14.343	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.741	1.73
2	MP4A	Z	0	1.73
3	MP4A	Mx	-.004	1.73
4	MP4A	X	7.741	3.73
5	MP4A	Z	0	3.73
6	MP4A	Mx	-.004	3.73
7	MP4B	X	16.983	1.73
8	MP4B	Z	0	1.73
9	MP4B	Mx	.003	1.73
10	MP4B	X	16.983	3.73
11	MP4B	Z	0	3.73
12	MP4B	Mx	.003	3.73
13	MP4C	X	16.983	1.73
14	MP4C	Z	0	1.73
15	MP4C	Mx	.003	1.73
16	MP4C	X	16.983	3.73
17	MP4C	Z	0	3.73
18	MP4C	Mx	.003	3.73
19	MP2A	X	23.347	1.73
20	MP2A	Z	0	1.73
21	MP2A	Mx	-.018	1.73
22	MP2A	X	23.347	5.82
23	MP2A	Z	0	5.82
24	MP2A	Mx	-.018	5.82
25	MP2B	X	32.976	1.73
26	MP2B	Z	0	1.73
27	MP2B	Mx	-.015	1.73
28	MP2B	X	32.976	5.82
29	MP2B	Z	0	5.82
30	MP2B	Mx	-.015	5.82
31	MP2C	X	32.976	1.73
32	MP2C	Z	0	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.032	1.73
34	MP2C	X	32.976	5.82
35	MP2C	Z	0	5.82
36	MP2C	Mx	.032	5.82
37	MP2A	X	23.347	1.73
38	MP2A	Z	0	1.73
39	MP2A	Mx	-.018	1.73
40	MP2A	X	23.347	5.82
41	MP2A	Z	0	5.82
42	MP2A	Mx	-.018	5.82
43	MP2B	X	32.976	1.73
44	MP2B	Z	0	1.73
45	MP2B	Mx	.032	1.73
46	MP2B	X	32.976	5.82
47	MP2B	Z	0	5.82
48	MP2B	Mx	.032	5.82
49	MP2C	X	32.976	1.73
50	MP2C	Z	0	1.73
51	MP2C	Mx	-.015	1.73
52	MP2C	X	32.976	5.82
53	MP2C	Z	0	5.82
54	MP2C	Mx	-.015	5.82
55	MP2A	X	2.776	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.001	.5
58	MP2B	X	3.596	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	-.000615	.5
61	MP2C	X	3.596	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	-.000615	.5
64	MP1A	X	10.652	2.73
65	MP1A	Z	0	2.73
66	MP1A	Mx	.005	2.73
67	MP1B	X	14.78	2.73
68	MP1B	Z	0	2.73
69	MP1B	Mx	-.003	2.73
70	MP1C	X	14.78	2.73
71	MP1C	Z	0	2.73
72	MP1C	Mx	-.003	2.73
73	MP2A	X	8.876	2.73
74	MP2A	Z	0	2.73
75	MP2A	Mx	.004	2.73
76	MP2B	X	14.572	2.73
77	MP2B	Z	0	2.73
78	MP2B	Mx	-.002	2.73
79	MP2C	X	14.572	2.73
80	MP2C	Z	0	2.73
81	MP2C	Mx	-.002	2.73
82	OVP	X	31.324	1.63
83	OVP	Z	0	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	8.97	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP4A	Z	5.179	1.73
3	MP4A	Mx	-.004	1.73
4	MP4A	X	8.97	3.73
5	MP4A	Z	5.179	3.73
6	MP4A	Mx	-.004	3.73
7	MP4B	X	15.494	1.73
8	MP4B	Z	8.946	1.73
9	MP4B	Mx	-.002	1.73
10	MP4B	X	15.494	3.73
11	MP4B	Z	8.946	3.73
12	MP4B	Mx	-.002	3.73
13	MP4C	X	10.449	1.73
14	MP4C	Z	6.033	1.73
15	MP4C	Mx	.005	1.73
16	MP4C	X	10.449	3.73
17	MP4C	Z	6.033	3.73
18	MP4C	Mx	.005	3.73
19	MP2A	X	22.58	1.73
20	MP2A	Z	13.037	1.73
21	MP2A	Mx	-.007	1.73
22	MP2A	X	22.58	5.82
23	MP2A	Z	13.037	5.82
24	MP2A	Mx	-.007	5.82
25	MP2B	X	29.378	1.73
26	MP2B	Z	16.962	1.73
27	MP2B	Mx	-.029	1.73
28	MP2B	X	29.378	5.82
29	MP2B	Z	16.962	5.82
30	MP2B	Mx	-.029	5.82
31	MP2C	X	24.121	1.73
32	MP2C	Z	13.926	1.73
33	MP2C	Mx	.029	1.73
34	MP2C	X	24.121	5.82
35	MP2C	Z	13.926	5.82
36	MP2C	Mx	.029	5.82
37	MP2A	X	22.58	1.73
38	MP2A	Z	13.037	1.73
39	MP2A	Mx	-.027	1.73
40	MP2A	X	22.58	5.82
41	MP2A	Z	13.037	5.82
42	MP2A	Mx	-.027	5.82
43	MP2B	X	29.378	1.73
44	MP2B	Z	16.962	1.73
45	MP2B	Mx	.021	1.73
46	MP2B	X	29.378	5.82
47	MP2B	Z	16.962	5.82
48	MP2B	Mx	.021	5.82
49	MP2C	X	24.121	1.73
50	MP2C	Z	13.926	1.73
51	MP2C	Mx	.003	1.73
52	MP2C	X	24.121	5.82
53	MP2C	Z	13.926	5.82
54	MP2C	Mx	.003	5.82
55	MP2A	X	2.605	.5
56	MP2A	Z	1.504	.5
57	MP2A	Mx	.001	.5
58	MP2B	X	3.184	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2B	Z	1.838	.5
60	MP2B	Mx	.000319	.5
61	MP2C	X	2.737	.5
62	MP2C	Z	1.58	.5
63	MP2C	Mx	-.001	.5
64	MP1A	X	10.237	2.73
65	MP1A	Z	5.91	2.73
66	MP1A	Mx	.005	2.73
67	MP1B	X	13.151	2.73
68	MP1B	Z	7.593	2.73
69	MP1B	Mx	.001	2.73
70	MP1C	X	10.898	2.73
71	MP1C	Z	6.292	2.73
72	MP1C	Mx	-.005	2.73
73	MP2A	X	9.083	2.73
74	MP2A	Z	5.244	2.73
75	MP2A	Mx	.005	2.73
76	MP2B	X	13.105	2.73
77	MP2B	Z	7.566	2.73
78	MP2B	Mx	.001	2.73
79	MP2C	X	9.995	2.73
80	MP2C	Z	5.771	2.73
81	MP2C	Mx	-.004	2.73
82	OVP	X	26.61	1.63
83	OVP	Z	15.363	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.795	1.73
2	MP4A	Z	13.502	1.73
3	MP4A	Mx	-.004	1.73
4	MP4A	X	7.795	3.73
5	MP4A	Z	13.502	3.73
6	MP4A	Mx	-.004	3.73
7	MP4B	X	6.941	1.73
8	MP4B	Z	12.023	1.73
9	MP4B	Mx	-.004	1.73
10	MP4B	X	6.941	3.73
11	MP4B	Z	12.023	3.73
12	MP4B	Mx	-.004	3.73
13	MP4C	X	4.028	1.73
14	MP4C	Z	6.978	1.73
15	MP4C	Mx	.004	1.73
16	MP4C	X	4.028	3.73
17	MP4C	Z	6.978	3.73
18	MP4C	Mx	.004	3.73
19	MP2A	X	15.763	1.73
20	MP2A	Z	27.302	1.73
21	MP2A	Mx	.009	1.73
22	MP2A	X	15.763	5.82
23	MP2A	Z	27.302	5.82
24	MP2A	Mx	.009	5.82
25	MP2B	X	14.873	1.73
26	MP2B	Z	25.761	1.73
27	MP2B	Mx	-.031	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	14.873	5.82
29	MP2B	Z	25.761	5.82
30	MP2B	Mx	-.031	5.82
31	MP2C	X	11.838	1.73
32	MP2C	Z	20.504	1.73
33	MP2C	Mx	.021	1.73
34	MP2C	X	11.838	5.82
35	MP2C	Z	20.504	5.82
36	MP2C	Mx	.021	5.82
37	MP2A	X	15.763	1.73
38	MP2A	Z	27.302	1.73
39	MP2A	Mx	-.032	1.73
40	MP2A	X	15.763	5.82
41	MP2A	Z	27.302	5.82
42	MP2A	Mx	-.032	5.82
43	MP2B	X	14.873	1.73
44	MP2B	Z	25.761	1.73
45	MP2B	Mx	.003	1.73
46	MP2B	X	14.873	5.82
47	MP2B	Z	25.761	5.82
48	MP2B	Mx	.003	5.82
49	MP2C	X	11.838	1.73
50	MP2C	Z	20.504	1.73
51	MP2C	Mx	.014	1.73
52	MP2C	X	11.838	5.82
53	MP2C	Z	20.504	5.82
54	MP2C	Mx	.014	5.82
55	MP2A	X	1.736	.5
56	MP2A	Z	3.007	.5
57	MP2A	Mx	.000868	.5
58	MP2B	X	1.661	.5
59	MP2B	Z	2.876	.5
60	MP2B	Mx	.001	.5
61	MP2C	X	1.402	.5
62	MP2C	Z	2.429	.5
63	MP2C	Mx	-.001	.5
64	MP1A	X	7.079	2.73
65	MP1A	Z	12.261	2.73
66	MP1A	Mx	.004	2.73
67	MP1B	X	6.698	2.73
68	MP1B	Z	11.601	2.73
69	MP1B	Mx	.004	2.73
70	MP1C	X	5.397	2.73
71	MP1C	Z	9.347	2.73
72	MP1C	Mx	-.005	2.73
73	MP2A	X	6.857	2.73
74	MP2A	Z	11.877	2.73
75	MP2A	Mx	.003	2.73
76	MP2B	X	6.331	2.73
77	MP2B	Z	10.965	2.73
78	MP2B	Mx	.004	2.73
79	MP2C	X	4.535	2.73
80	MP2C	Z	7.855	2.73
81	MP2C	Mx	-.004	2.73
82	OVP	X	13.745	1.63
83	OVP	Z	23.808	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.73
2	MP4A	Z	18.207	1.73
3	MP4A	Mx	0	1.73
4	MP4A	X	0	3.73
5	MP4A	Z	18.207	3.73
6	MP4A	Mx	0	3.73
7	MP4B	X	0	1.73
8	MP4B	Z	8.966	1.73
9	MP4B	Mx	-.004	1.73
10	MP4B	X	0	3.73
11	MP4B	Z	8.966	3.73
12	MP4B	Mx	-.004	3.73
13	MP4C	X	0	1.73
14	MP4C	Z	8.966	1.73
15	MP4C	Mx	.004	1.73
16	MP4C	X	0	3.73
17	MP4C	Z	8.966	3.73
18	MP4C	Mx	.004	3.73
19	MP2A	X	0	1.73
20	MP2A	Z	34.252	1.73
21	MP2A	Mx	.026	1.73
22	MP2A	X	0	5.82
23	MP2A	Z	34.252	5.82
24	MP2A	Mx	.026	5.82
25	MP2B	X	0	1.73
26	MP2B	Z	24.622	1.73
27	MP2B	Mx	-.024	1.73
28	MP2B	X	0	5.82
29	MP2B	Z	24.622	5.82
30	MP2B	Mx	-.024	5.82
31	MP2C	X	0	1.73
32	MP2C	Z	24.622	1.73
33	MP2C	Mx	.011	1.73
34	MP2C	X	0	5.82
35	MP2C	Z	24.622	5.82
36	MP2C	Mx	.011	5.82
37	MP2A	X	0	1.73
38	MP2A	Z	34.252	1.73
39	MP2A	Mx	-.026	1.73
40	MP2A	X	0	5.82
41	MP2A	Z	34.252	5.82
42	MP2A	Mx	-.026	5.82
43	MP2B	X	0	1.73
44	MP2B	Z	24.622	1.73
45	MP2B	Mx	-.011	1.73
46	MP2B	X	0	5.82
47	MP2B	Z	24.622	5.82
48	MP2B	Mx	-.011	5.82
49	MP2C	X	0	1.73
50	MP2C	Z	24.622	1.73
51	MP2C	Mx	.024	1.73
52	MP2C	X	0	5.82
53	MP2C	Z	24.622	5.82
54	MP2C	Mx	.024	5.82
55	MP2A	X	0	.5
56	MP2A	Z	3.705	.5
57	MP2A	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	.5
59	MP2B	Z	2.885	.5
60	MP2B	Mx	.001	.5
61	MP2C	X	0	.5
62	MP2C	Z	2.885	.5
63	MP2C	Mx	-.001	.5
64	MP1A	X	0	2.73
65	MP1A	Z	15.327	2.73
66	MP1A	Mx	0	2.73
67	MP1B	X	0	2.73
68	MP1B	Z	11.199	2.73
69	MP1B	Mx	.005	2.73
70	MP1C	X	0	2.73
71	MP1C	Z	11.199	2.73
72	MP1C	Mx	-.005	2.73
73	MP2A	X	0	2.73
74	MP2A	Z	15.327	2.73
75	MP2A	Mx	0	2.73
76	MP2B	X	0	2.73
77	MP2B	Z	9.631	2.73
78	MP2B	Mx	.005	2.73
79	MP2C	X	0	2.73
80	MP2C	Z	9.631	2.73
81	MP2C	Mx	-.005	2.73
82	OVP	X	0	1.63
83	OVP	Z	24.853	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.795	1.73
2	MP4A	Z	13.502	1.73
3	MP4A	Mx	.004	1.73
4	MP4A	X	-7.795	3.73
5	MP4A	Z	13.502	3.73
6	MP4A	Mx	.004	3.73
7	MP4B	X	-4.028	1.73
8	MP4B	Z	6.978	1.73
9	MP4B	Mx	-.004	1.73
10	MP4B	X	-4.028	3.73
11	MP4B	Z	6.978	3.73
12	MP4B	Mx	-.004	3.73
13	MP4C	X	-6.941	1.73
14	MP4C	Z	12.023	1.73
15	MP4C	Mx	.004	1.73
16	MP4C	X	-6.941	3.73
17	MP4C	Z	12.023	3.73
18	MP4C	Mx	.004	3.73
19	MP2A	X	-15.763	1.73
20	MP2A	Z	27.302	1.73
21	MP2A	Mx	.032	1.73
22	MP2A	X	-15.763	5.82
23	MP2A	Z	27.302	5.82
24	MP2A	Mx	.032	5.82
25	MP2B	X	-11.838	1.73
26	MP2B	Z	20.504	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.014	1.73
28	MP2B	X	-11.838	5.82
29	MP2B	Z	20.504	5.82
30	MP2B	Mx	-.014	5.82
31	MP2C	X	-14.873	1.73
32	MP2C	Z	25.761	1.73
33	MP2C	Mx	-.003	1.73
34	MP2C	X	-14.873	5.82
35	MP2C	Z	25.761	5.82
36	MP2C	Mx	-.003	5.82
37	MP2A	X	-15.763	1.73
38	MP2A	Z	27.302	1.73
39	MP2A	Mx	-.009	1.73
40	MP2A	X	-15.763	5.82
41	MP2A	Z	27.302	5.82
42	MP2A	Mx	-.009	5.82
43	MP2B	X	-11.838	1.73
44	MP2B	Z	20.504	1.73
45	MP2B	Mx	-.021	1.73
46	MP2B	X	-11.838	5.82
47	MP2B	Z	20.504	5.82
48	MP2B	Mx	-.021	5.82
49	MP2C	X	-14.873	1.73
50	MP2C	Z	25.761	1.73
51	MP2C	Mx	.031	1.73
52	MP2C	X	-14.873	5.82
53	MP2C	Z	25.761	5.82
54	MP2C	Mx	.031	5.82
55	MP2A	X	-1.736	.5
56	MP2A	Z	3.007	.5
57	MP2A	Mx	-.000868	.5
58	MP2B	X	-1.402	.5
59	MP2B	Z	2.429	.5
60	MP2B	Mx	.001	.5
61	MP2C	X	-1.661	.5
62	MP2C	Z	2.876	.5
63	MP2C	Mx	-.001	.5
64	MP1A	X	-7.079	2.73
65	MP1A	Z	12.261	2.73
66	MP1A	Mx	-.004	2.73
67	MP1B	X	-5.397	2.73
68	MP1B	Z	9.347	2.73
69	MP1B	Mx	.005	2.73
70	MP1C	X	-6.698	2.73
71	MP1C	Z	11.601	2.73
72	MP1C	Mx	-.004	2.73
73	MP2A	X	-6.857	2.73
74	MP2A	Z	11.877	2.73
75	MP2A	Mx	-.003	2.73
76	MP2B	X	-4.535	2.73
77	MP2B	Z	7.855	2.73
78	MP2B	Mx	.004	2.73
79	MP2C	X	-6.331	2.73
80	MP2C	Z	10.965	2.73
81	MP2C	Mx	-.004	2.73
82	OVP	X	-12.726	1.63
83	OVP	Z	22.041	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-8.97	1.73
2	MP4A	Z	5.179	1.73
3	MP4A	Mx	.004	1.73
4	MP4A	X	-8.97	3.73
5	MP4A	Z	5.179	3.73
6	MP4A	Mx	.004	3.73
7	MP4B	X	-10.449	1.73
8	MP4B	Z	6.033	1.73
9	MP4B	Mx	-.005	1.73
10	MP4B	X	-10.449	3.73
11	MP4B	Z	6.033	3.73
12	MP4B	Mx	-.005	3.73
13	MP4C	X	-15.494	1.73
14	MP4C	Z	8.946	1.73
15	MP4C	Mx	.002	1.73
16	MP4C	X	-15.494	3.73
17	MP4C	Z	8.946	3.73
18	MP4C	Mx	.002	3.73
19	MP2A	X	-22.58	1.73
20	MP2A	Z	13.037	1.73
21	MP2A	Mx	.027	1.73
22	MP2A	X	-22.58	5.82
23	MP2A	Z	13.037	5.82
24	MP2A	Mx	.027	5.82
25	MP2B	X	-24.121	1.73
26	MP2B	Z	13.926	1.73
27	MP2B	Mx	-.003	1.73
28	MP2B	X	-24.121	5.82
29	MP2B	Z	13.926	5.82
30	MP2B	Mx	-.003	5.82
31	MP2C	X	-29.378	1.73
32	MP2C	Z	16.962	1.73
33	MP2C	Mx	-.021	1.73
34	MP2C	X	-29.378	5.82
35	MP2C	Z	16.962	5.82
36	MP2C	Mx	-.021	5.82
37	MP2A	X	-22.58	1.73
38	MP2A	Z	13.037	1.73
39	MP2A	Mx	.007	1.73
40	MP2A	X	-22.58	5.82
41	MP2A	Z	13.037	5.82
42	MP2A	Mx	.007	5.82
43	MP2B	X	-24.121	1.73
44	MP2B	Z	13.926	1.73
45	MP2B	Mx	-.029	1.73
46	MP2B	X	-24.121	5.82
47	MP2B	Z	13.926	5.82
48	MP2B	Mx	-.029	5.82
49	MP2C	X	-29.378	1.73
50	MP2C	Z	16.962	1.73
51	MP2C	Mx	.029	1.73
52	MP2C	X	-29.378	5.82

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	16.962	5.82
54	MP2C	Mx	.029	5.82
55	MP2A	X	-2.605	.5
56	MP2A	Z	1.504	.5
57	MP2A	Mx	-.001	.5
58	MP2B	X	-2.737	.5
59	MP2B	Z	1.58	.5
60	MP2B	Mx	.001	.5
61	MP2C	X	-3.184	.5
62	MP2C	Z	1.838	.5
63	MP2C	Mx	-.000319	.5
64	MP1A	X	-10.237	2.73
65	MP1A	Z	5.91	2.73
66	MP1A	Mx	-.005	2.73
67	MP1B	X	-10.898	2.73
68	MP1B	Z	6.292	2.73
69	MP1B	Mx	.005	2.73
70	MP1C	X	-13.151	2.73
71	MP1C	Z	7.593	2.73
72	MP1C	Mx	-.001	2.73
73	MP2A	X	-9.083	2.73
74	MP2A	Z	5.244	2.73
75	MP2A	Mx	-.005	2.73
76	MP2B	X	-9.995	2.73
77	MP2B	Z	5.771	2.73
78	MP2B	Mx	.004	2.73
79	MP2C	X	-13.105	2.73
80	MP2C	Z	7.566	2.73
81	MP2C	Mx	-.001	2.73
82	OVP	X	-24.843	1.63
83	OVP	Z	14.343	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.741	1.73
2	MP4A	Z	0	1.73
3	MP4A	Mx	.004	1.73
4	MP4A	X	-7.741	3.73
5	MP4A	Z	0	3.73
6	MP4A	Mx	.004	3.73
7	MP4B	X	-16.983	1.73
8	MP4B	Z	0	1.73
9	MP4B	Mx	-.003	1.73
10	MP4B	X	-16.983	3.73
11	MP4B	Z	0	3.73
12	MP4B	Mx	-.003	3.73
13	MP4C	X	-16.983	1.73
14	MP4C	Z	0	1.73
15	MP4C	Mx	-.003	1.73
16	MP4C	X	-16.983	3.73
17	MP4C	Z	0	3.73
18	MP4C	Mx	-.003	3.73
19	MP2A	X	-23.347	1.73
20	MP2A	Z	0	1.73
21	MP2A	Mx	.018	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-23.347	5.82
23	MP2A	Z	0	5.82
24	MP2A	Mx	.018	5.82
25	MP2B	X	-32.976	1.73
26	MP2B	Z	0	1.73
27	MP2B	Mx	.015	1.73
28	MP2B	X	-32.976	5.82
29	MP2B	Z	0	5.82
30	MP2B	Mx	.015	5.82
31	MP2C	X	-32.976	1.73
32	MP2C	Z	0	1.73
33	MP2C	Mx	-.032	1.73
34	MP2C	X	-32.976	5.82
35	MP2C	Z	0	5.82
36	MP2C	Mx	-.032	5.82
37	MP2A	X	-23.347	1.73
38	MP2A	Z	0	1.73
39	MP2A	Mx	.018	1.73
40	MP2A	X	-23.347	5.82
41	MP2A	Z	0	5.82
42	MP2A	Mx	.018	5.82
43	MP2B	X	-32.976	1.73
44	MP2B	Z	0	1.73
45	MP2B	Mx	-.032	1.73
46	MP2B	X	-32.976	5.82
47	MP2B	Z	0	5.82
48	MP2B	Mx	-.032	5.82
49	MP2C	X	-32.976	1.73
50	MP2C	Z	0	1.73
51	MP2C	Mx	.015	1.73
52	MP2C	X	-32.976	5.82
53	MP2C	Z	0	5.82
54	MP2C	Mx	.015	5.82
55	MP2A	X	-2.776	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.001	.5
58	MP2B	X	-3.596	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	.000615	.5
61	MP2C	X	-3.596	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	.000615	.5
64	MP1A	X	-10.652	2.73
65	MP1A	Z	0	2.73
66	MP1A	Mx	-.005	2.73
67	MP1B	X	-14.78	2.73
68	MP1B	Z	0	2.73
69	MP1B	Mx	.003	2.73
70	MP1C	X	-14.78	2.73
71	MP1C	Z	0	2.73
72	MP1C	Mx	.003	2.73
73	MP2A	X	-8.876	2.73
74	MP2A	Z	0	2.73
75	MP2A	Mx	-.004	2.73
76	MP2B	X	-14.572	2.73
77	MP2B	Z	0	2.73
78	MP2B	Mx	.002	2.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2C	X	-14.572	2.73
80	MP2C	Z	0	2.73
81	MP2C	Mx	.002	2.73
82	OVP	X	-31.324	1.63
83	OVP	Z	0	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-8.97	1.73
2	MP4A	Z	-5.179	1.73
3	MP4A	Mx	.004	1.73
4	MP4A	X	-8.97	3.73
5	MP4A	Z	-5.179	3.73
6	MP4A	Mx	.004	3.73
7	MP4B	X	-15.494	1.73
8	MP4B	Z	-8.946	1.73
9	MP4B	Mx	.002	1.73
10	MP4B	X	-15.494	3.73
11	MP4B	Z	-8.946	3.73
12	MP4B	Mx	.002	3.73
13	MP4C	X	-10.449	1.73
14	MP4C	Z	-6.033	1.73
15	MP4C	Mx	-.005	1.73
16	MP4C	X	-10.449	3.73
17	MP4C	Z	-6.033	3.73
18	MP4C	Mx	-.005	3.73
19	MP2A	X	-22.58	1.73
20	MP2A	Z	-13.037	1.73
21	MP2A	Mx	.007	1.73
22	MP2A	X	-22.58	5.82
23	MP2A	Z	-13.037	5.82
24	MP2A	Mx	.007	5.82
25	MP2B	X	-29.378	1.73
26	MP2B	Z	-16.962	1.73
27	MP2B	Mx	.029	1.73
28	MP2B	X	-29.378	5.82
29	MP2B	Z	-16.962	5.82
30	MP2B	Mx	.029	5.82
31	MP2C	X	-24.121	1.73
32	MP2C	Z	-13.926	1.73
33	MP2C	Mx	-.029	1.73
34	MP2C	X	-24.121	5.82
35	MP2C	Z	-13.926	5.82
36	MP2C	Mx	-.029	5.82
37	MP2A	X	-22.58	1.73
38	MP2A	Z	-13.037	1.73
39	MP2A	Mx	.027	1.73
40	MP2A	X	-22.58	5.82
41	MP2A	Z	-13.037	5.82
42	MP2A	Mx	.027	5.82
43	MP2B	X	-29.378	1.73
44	MP2B	Z	-16.962	1.73
45	MP2B	Mx	-.021	1.73
46	MP2B	X	-29.378	5.82
47	MP2B	Z	-16.962	5.82

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	-.021	5.82
49	MP2C	X	-24.121	1.73
50	MP2C	Z	-13.926	1.73
51	MP2C	Mx	-.003	1.73
52	MP2C	X	-24.121	5.82
53	MP2C	Z	-13.926	5.82
54	MP2C	Mx	-.003	5.82
55	MP2A	X	-2.605	.5
56	MP2A	Z	-1.504	.5
57	MP2A	Mx	-.001	.5
58	MP2B	X	-3.184	.5
59	MP2B	Z	-1.838	.5
60	MP2B	Mx	-.000319	.5
61	MP2C	X	-2.737	.5
62	MP2C	Z	-1.58	.5
63	MP2C	Mx	.001	.5
64	MP1A	X	-10.237	2.73
65	MP1A	Z	-5.91	2.73
66	MP1A	Mx	-.005	2.73
67	MP1B	X	-13.151	2.73
68	MP1B	Z	-7.593	2.73
69	MP1B	Mx	-.001	2.73
70	MP1C	X	-10.898	2.73
71	MP1C	Z	-6.292	2.73
72	MP1C	Mx	.005	2.73
73	MP2A	X	-9.083	2.73
74	MP2A	Z	-5.244	2.73
75	MP2A	Mx	-.005	2.73
76	MP2B	X	-13.105	2.73
77	MP2B	Z	-7.566	2.73
78	MP2B	Mx	-.001	2.73
79	MP2C	X	-9.995	2.73
80	MP2C	Z	-5.771	2.73
81	MP2C	Mx	.004	2.73
82	OVP	X	-26.61	1.63
83	OVP	Z	-15.363	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.795	1.73
2	MP4A	Z	-13.502	1.73
3	MP4A	Mx	.004	1.73
4	MP4A	X	-7.795	3.73
5	MP4A	Z	-13.502	3.73
6	MP4A	Mx	.004	3.73
7	MP4B	X	-6.941	1.73
8	MP4B	Z	-12.023	1.73
9	MP4B	Mx	.004	1.73
10	MP4B	X	-6.941	3.73
11	MP4B	Z	-12.023	3.73
12	MP4B	Mx	.004	3.73
13	MP4C	X	-4.028	1.73
14	MP4C	Z	-6.978	1.73
15	MP4C	Mx	-.004	1.73
16	MP4C	X	-4.028	3.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP4C	Z	-6.978	3.73
18	MP4C	Mx	-.004	3.73
19	MP2A	X	-15.763	1.73
20	MP2A	Z	-27.302	1.73
21	MP2A	Mx	-.009	1.73
22	MP2A	X	-15.763	5.82
23	MP2A	Z	-27.302	5.82
24	MP2A	Mx	-.009	5.82
25	MP2B	X	-14.873	1.73
26	MP2B	Z	-25.761	1.73
27	MP2B	Mx	.031	1.73
28	MP2B	X	-14.873	5.82
29	MP2B	Z	-25.761	5.82
30	MP2B	Mx	.031	5.82
31	MP2C	X	-11.838	1.73
32	MP2C	Z	-20.504	1.73
33	MP2C	Mx	-.021	1.73
34	MP2C	X	-11.838	5.82
35	MP2C	Z	-20.504	5.82
36	MP2C	Mx	-.021	5.82
37	MP2A	X	-15.763	1.73
38	MP2A	Z	-27.302	1.73
39	MP2A	Mx	.032	1.73
40	MP2A	X	-15.763	5.82
41	MP2A	Z	-27.302	5.82
42	MP2A	Mx	.032	5.82
43	MP2B	X	-14.873	1.73
44	MP2B	Z	-25.761	1.73
45	MP2B	Mx	-.003	1.73
46	MP2B	X	-14.873	5.82
47	MP2B	Z	-25.761	5.82
48	MP2B	Mx	-.003	5.82
49	MP2C	X	-11.838	1.73
50	MP2C	Z	-20.504	1.73
51	MP2C	Mx	-.014	1.73
52	MP2C	X	-11.838	5.82
53	MP2C	Z	-20.504	5.82
54	MP2C	Mx	-.014	5.82
55	MP2A	X	-1.736	.5
56	MP2A	Z	-3.007	.5
57	MP2A	Mx	-.000868	.5
58	MP2B	X	-1.661	.5
59	MP2B	Z	-2.876	.5
60	MP2B	Mx	-.001	.5
61	MP2C	X	-1.402	.5
62	MP2C	Z	-2.429	.5
63	MP2C	Mx	.001	.5
64	MP1A	X	-7.079	2.73
65	MP1A	Z	-12.261	2.73
66	MP1A	Mx	-.004	2.73
67	MP1B	X	-6.698	2.73
68	MP1B	Z	-11.601	2.73
69	MP1B	Mx	-.004	2.73
70	MP1C	X	-5.397	2.73
71	MP1C	Z	-9.347	2.73
72	MP1C	Mx	.005	2.73
73	MP2A	X	-6.857	2.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2A	Z	-11.877	2.73
75	MP2A	Mx	-.003	2.73
76	MP2B	X	-6.331	2.73
77	MP2B	Z	-10.965	2.73
78	MP2B	Mx	-.004	2.73
79	MP2C	X	-4.535	2.73
80	MP2C	Z	-7.855	2.73
81	MP2C	Mx	.004	2.73
82	OVP	X	-13.745	1.63
83	OVP	Z	-23.808	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.73
2	MP4A	Z	-5.817	1.73
3	MP4A	Mx	0	1.73
4	MP4A	X	0	3.73
5	MP4A	Z	-5.817	3.73
6	MP4A	Mx	0	3.73
7	MP4B	X	0	1.73
8	MP4B	Z	-2.691	1.73
9	MP4B	Mx	.001	1.73
10	MP4B	X	0	3.73
11	MP4B	Z	-2.691	3.73
12	MP4B	Mx	.001	3.73
13	MP4C	X	0	1.73
14	MP4C	Z	-2.691	1.73
15	MP4C	Mx	-.001	1.73
16	MP4C	X	0	3.73
17	MP4C	Z	-2.691	3.73
18	MP4C	Mx	-.001	3.73
19	MP2A	X	0	1.73
20	MP2A	Z	-11.274	1.73
21	MP2A	Mx	-.008	1.73
22	MP2A	X	0	5.82
23	MP2A	Z	-11.274	5.82
24	MP2A	Mx	-.008	5.82
25	MP2B	X	0	1.73
26	MP2B	Z	-7.857	1.73
27	MP2B	Mx	.008	1.73
28	MP2B	X	0	5.82
29	MP2B	Z	-7.857	5.82
30	MP2B	Mx	.008	5.82
31	MP2C	X	0	1.73
32	MP2C	Z	-7.857	1.73
33	MP2C	Mx	-.004	1.73
34	MP2C	X	0	5.82
35	MP2C	Z	-7.857	5.82
36	MP2C	Mx	-.004	5.82
37	MP2A	X	0	1.73
38	MP2A	Z	-11.274	1.73
39	MP2A	Mx	.008	1.73
40	MP2A	X	0	5.82
41	MP2A	Z	-11.274	5.82
42	MP2A	Mx	.008	5.82

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP2B	X	0	1.73
44	MP2B	Z	-7.857	1.73
45	MP2B	Mx	.004	1.73
46	MP2B	X	0	5.82
47	MP2B	Z	-7.857	5.82
48	MP2B	Mx	.004	5.82
49	MP2C	X	0	1.73
50	MP2C	Z	-7.857	1.73
51	MP2C	Mx	-.008	1.73
52	MP2C	X	0	5.82
53	MP2C	Z	-7.857	5.82
54	MP2C	Mx	-.008	5.82
55	MP2A	X	0	.5
56	MP2A	Z	-.916	.5
57	MP2A	Mx	0	.5
58	MP2B	X	0	.5
59	MP2B	Z	-.667	.5
60	MP2B	Mx	-.000313	.5
61	MP2C	X	0	.5
62	MP2C	Z	-.667	.5
63	MP2C	Mx	.000313	.5
64	MP1A	X	0	2.73
65	MP1A	Z	-4.629	2.73
66	MP1A	Mx	0	2.73
67	MP1B	X	0	2.73
68	MP1B	Z	-3.273	2.73
69	MP1B	Mx	-.002	2.73
70	MP1C	X	0	2.73
71	MP1C	Z	-3.273	2.73
72	MP1C	Mx	.002	2.73
73	MP2A	X	0	2.73
74	MP2A	Z	-4.629	2.73
75	MP2A	Mx	0	2.73
76	MP2B	X	0	2.73
77	MP2B	Z	-2.754	2.73
78	MP2B	Mx	-.001	2.73
79	MP2C	X	0	2.73
80	MP2C	Z	-2.754	2.73
81	MP2C	Mx	.001	2.73
82	OVP	X	0	1.63
83	OVP	Z	-7.739	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.466	1.73
2	MP4A	Z	-4.271	1.73
3	MP4A	Mx	-.001	1.73
4	MP4A	X	2.466	3.73
5	MP4A	Z	-4.271	3.73
6	MP4A	Mx	-.001	3.73
7	MP4B	X	1.192	1.73
8	MP4B	Z	-2.065	1.73
9	MP4B	Mx	.001	1.73
10	MP4B	X	1.192	3.73
11	MP4B	Z	-2.065	3.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	.001	3.73
13	MP4C	X	2.177	1.73
14	MP4C	Z	-3.771	1.73
15	MP4C	Mx	-.001	1.73
16	MP4C	X	2.177	3.73
17	MP4C	Z	-3.771	3.73
18	MP4C	Mx	-.001	3.73
19	MP2A	X	5.153	1.73
20	MP2A	Z	-8.926	1.73
21	MP2A	Mx	-.011	1.73
22	MP2A	X	5.153	5.82
23	MP2A	Z	-8.926	5.82
24	MP2A	Mx	-.011	5.82
25	MP2B	X	3.761	1.73
26	MP2B	Z	-6.514	1.73
27	MP2B	Mx	.005	1.73
28	MP2B	X	3.761	5.82
29	MP2B	Z	-6.514	5.82
30	MP2B	Mx	.005	5.82
31	MP2C	X	4.838	1.73
32	MP2C	Z	-8.379	1.73
33	MP2C	Mx	.000895	1.73
34	MP2C	X	4.838	5.82
35	MP2C	Z	-8.379	5.82
36	MP2C	Mx	.000895	5.82
37	MP2A	X	5.153	1.73
38	MP2A	Z	-8.926	1.73
39	MP2A	Mx	.003	1.73
40	MP2A	X	5.153	5.82
41	MP2A	Z	-8.926	5.82
42	MP2A	Mx	.003	5.82
43	MP2B	X	3.761	1.73
44	MP2B	Z	-6.514	1.73
45	MP2B	Mx	.007	1.73
46	MP2B	X	3.761	5.82
47	MP2B	Z	-6.514	5.82
48	MP2B	Mx	.007	5.82
49	MP2C	X	4.838	1.73
50	MP2C	Z	-8.379	1.73
51	MP2C	Mx	-.01	1.73
52	MP2C	X	4.838	5.82
53	MP2C	Z	-8.379	5.82
54	MP2C	Mx	-.01	5.82
55	MP2A	X	.423	.5
56	MP2A	Z	-.732	.5
57	MP2A	Mx	.000212	.5
58	MP2B	X	.321	.5
59	MP2B	Z	-.556	.5
60	MP2B	Mx	-.000316	.5
61	MP2C	X	.4	.5
62	MP2C	Z	-.692	.5
63	MP2C	Mx	.000257	.5
64	MP1A	X	2.122	2.73
65	MP1A	Z	-3.676	2.73
66	MP1A	Mx	.001	2.73
67	MP1B	X	1.57	2.73
68	MP1B	Z	-2.719	2.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP1B	Mx	-.002	2.73
70	MP1C	X	1.997	2.73
71	MP1C	Z	-3.459	2.73
72	MP1C	Mx	.001	2.73
73	MP2A	X	2.049	2.73
74	MP2A	Z	-3.549	2.73
75	MP2A	Mx	.001	2.73
76	MP2B	X	1.285	2.73
77	MP2B	Z	-2.226	2.73
78	MP2B	Mx	-.001	2.73
79	MP2C	X	1.876	2.73
80	MP2C	Z	-3.249	2.73
81	MP2C	Mx	.001	2.73
82	OVP	X	3.973	1.63
83	OVP	Z	-6.881	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.738	1.73
2	MP4A	Z	-1.581	1.73
3	MP4A	Mx	-.001	1.73
4	MP4A	X	2.738	3.73
5	MP4A	Z	-1.581	3.73
6	MP4A	Mx	-.001	3.73
7	MP4B	X	3.239	1.73
8	MP4B	Z	-1.87	1.73
9	MP4B	Mx	.001	1.73
10	MP4B	X	3.239	3.73
11	MP4B	Z	-1.87	3.73
12	MP4B	Mx	.001	3.73
13	MP4C	X	4.945	1.73
14	MP4C	Z	-2.855	1.73
15	MP4C	Mx	-.000496	1.73
16	MP4C	X	4.945	3.73
17	MP4C	Z	-2.855	3.73
18	MP4C	Mx	-.000496	3.73
19	MP2A	X	7.251	1.73
20	MP2A	Z	-4.186	1.73
21	MP2A	Mx	-.009	1.73
22	MP2A	X	7.251	5.82
23	MP2A	Z	-4.186	5.82
24	MP2A	Mx	-.009	5.82
25	MP2B	X	7.797	1.73
26	MP2B	Z	-4.502	1.73
27	MP2B	Mx	.000833	1.73
28	MP2B	X	7.797	5.82
29	MP2B	Z	-4.502	5.82
30	MP2B	Mx	.000833	5.82
31	MP2C	X	9.663	1.73
32	MP2C	Z	-5.579	1.73
33	MP2C	Mx	.007	1.73
34	MP2C	X	9.663	5.82
35	MP2C	Z	-5.579	5.82
36	MP2C	Mx	.007	5.82
37	MP2A	X	7.251	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2A	Z	-4.186	1.73
39	MP2A	Mx	-.002	1.73
40	MP2A	X	7.251	5.82
41	MP2A	Z	-4.186	5.82
42	MP2A	Mx	-.002	5.82
43	MP2B	X	7.797	1.73
44	MP2B	Z	-4.502	1.73
45	MP2B	Mx	.01	1.73
46	MP2B	X	7.797	5.82
47	MP2B	Z	-4.502	5.82
48	MP2B	Mx	.01	5.82
49	MP2C	X	9.663	1.73
50	MP2C	Z	-5.579	1.73
51	MP2C	Mx	-.01	1.73
52	MP2C	X	9.663	5.82
53	MP2C	Z	-5.579	5.82
54	MP2C	Mx	-.01	5.82
55	MP2A	X	.61	.5
56	MP2A	Z	-.352	.5
57	MP2A	Mx	.000305	.5
58	MP2B	X	.65	.5
59	MP2B	Z	-.375	.5
60	MP2B	Mx	-.000287	.5
61	MP2C	X	.786	.5
62	MP2C	Z	-.454	.5
63	MP2C	Mx	7.9e-5	.5
64	MP1A	X	3.012	2.73
65	MP1A	Z	-1.739	2.73
66	MP1A	Mx	.002	2.73
67	MP1B	X	3.229	2.73
68	MP1B	Z	-1.864	2.73
69	MP1B	Mx	-.001	2.73
70	MP1C	X	3.968	2.73
71	MP1C	Z	-2.291	2.73
72	MP1C	Mx	.000398	2.73
73	MP2A	X	2.63	2.73
74	MP2A	Z	-1.518	2.73
75	MP2A	Mx	.001	2.73
76	MP2B	X	2.93	2.73
77	MP2B	Z	-1.692	2.73
78	MP2B	Mx	-.001	2.73
79	MP2C	X	3.953	2.73
80	MP2C	Z	-2.282	2.73
81	MP2C	Mx	.000396	2.73
82	OVP	X	7.85	1.63
83	OVP	Z	-4.532	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.277	1.73
2	MP4A	Z	0	1.73
3	MP4A	Mx	-.001	1.73
4	MP4A	X	2.277	3.73
5	MP4A	Z	0	3.73
6	MP4A	Mx	-.001	3.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP4B	X	5.403	1.73
8	MP4B	Z	0	1.73
9	MP4B	Mx	.000924	1.73
10	MP4B	X	5.403	3.73
11	MP4B	Z	0	3.73
12	MP4B	Mx	.000924	3.73
13	MP4C	X	5.403	1.73
14	MP4C	Z	0	1.73
15	MP4C	Mx	.000924	1.73
16	MP4C	X	5.403	3.73
17	MP4C	Z	0	3.73
18	MP4C	Mx	.000924	3.73
19	MP2A	X	7.405	1.73
20	MP2A	Z	0	1.73
21	MP2A	Mx	-.006	1.73
22	MP2A	X	7.405	5.82
23	MP2A	Z	0	5.82
24	MP2A	Mx	-.006	5.82
25	MP2B	X	10.822	1.73
26	MP2B	Z	0	1.73
27	MP2B	Mx	-.005	1.73
28	MP2B	X	10.822	5.82
29	MP2B	Z	0	5.82
30	MP2B	Mx	-.005	5.82
31	MP2C	X	10.822	1.73
32	MP2C	Z	0	1.73
33	MP2C	Mx	.01	1.73
34	MP2C	X	10.822	5.82
35	MP2C	Z	0	5.82
36	MP2C	Mx	.01	5.82
37	MP2A	X	7.405	1.73
38	MP2A	Z	0	1.73
39	MP2A	Mx	-.006	1.73
40	MP2A	X	7.405	5.82
41	MP2A	Z	0	5.82
42	MP2A	Mx	-.006	5.82
43	MP2B	X	10.822	1.73
44	MP2B	Z	0	1.73
45	MP2B	Mx	.01	1.73
46	MP2B	X	10.822	5.82
47	MP2B	Z	0	5.82
48	MP2B	Mx	.01	5.82
49	MP2C	X	10.822	1.73
50	MP2C	Z	0	1.73
51	MP2C	Mx	-.005	1.73
52	MP2C	X	10.822	5.82
53	MP2C	Z	0	5.82
54	MP2C	Mx	-.005	5.82
55	MP2A	X	.634	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.000317	.5
58	MP2B	X	.883	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	-.000151	.5
61	MP2C	X	.883	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	-.000151	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP1A	X	3.094	2.73
65	MP1A	Z	0	2.73
66	MP1A	Mx	.002	2.73
67	MP1B	X	4.449	2.73
68	MP1B	Z	0	2.73
69	MP1B	Mx	-.000761	2.73
70	MP1C	X	4.449	2.73
71	MP1C	Z	0	2.73
72	MP1C	Mx	-.000761	2.73
73	MP2A	X	2.506	2.73
74	MP2A	Z	0	2.73
75	MP2A	Mx	.001	2.73
76	MP2B	X	4.38	2.73
77	MP2B	Z	0	2.73
78	MP2B	Mx	-.000749	2.73
79	MP2C	X	4.38	2.73
80	MP2C	Z	0	2.73
81	MP2C	Mx	-.000749	2.73
82	OVP	X	9.977	1.63
83	OVP	Z	0	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.738	1.73
2	MP4A	Z	1.581	1.73
3	MP4A	Mx	-.001	1.73
4	MP4A	X	2.738	3.73
5	MP4A	Z	1.581	3.73
6	MP4A	Mx	-.001	3.73
7	MP4B	X	4.945	1.73
8	MP4B	Z	2.855	1.73
9	MP4B	Mx	-.000496	1.73
10	MP4B	X	4.945	3.73
11	MP4B	Z	2.855	3.73
12	MP4B	Mx	-.000496	3.73
13	MP4C	X	3.239	1.73
14	MP4C	Z	1.87	1.73
15	MP4C	Mx	.001	1.73
16	MP4C	X	3.239	3.73
17	MP4C	Z	1.87	3.73
18	MP4C	Mx	.001	3.73
19	MP2A	X	7.251	1.73
20	MP2A	Z	4.186	1.73
21	MP2A	Mx	-.002	1.73
22	MP2A	X	7.251	5.82
23	MP2A	Z	4.186	5.82
24	MP2A	Mx	-.002	5.82
25	MP2B	X	9.663	1.73
26	MP2B	Z	5.579	1.73
27	MP2B	Mx	-.01	1.73
28	MP2B	X	9.663	5.82
29	MP2B	Z	5.579	5.82
30	MP2B	Mx	-.01	5.82
31	MP2C	X	7.797	1.73
32	MP2C	Z	4.502	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.01	1.73
34	MP2C	X	7.797	5.82
35	MP2C	Z	4.502	5.82
36	MP2C	Mx	.01	5.82
37	MP2A	X	7.251	1.73
38	MP2A	Z	4.186	1.73
39	MP2A	Mx	-.009	1.73
40	MP2A	X	7.251	5.82
41	MP2A	Z	4.186	5.82
42	MP2A	Mx	-.009	5.82
43	MP2B	X	9.663	1.73
44	MP2B	Z	5.579	1.73
45	MP2B	Mx	.007	1.73
46	MP2B	X	9.663	5.82
47	MP2B	Z	5.579	5.82
48	MP2B	Mx	.007	5.82
49	MP2C	X	7.797	1.73
50	MP2C	Z	4.502	1.73
51	MP2C	Mx	.000833	1.73
52	MP2C	X	7.797	5.82
53	MP2C	Z	4.502	5.82
54	MP2C	Mx	.000833	5.82
55	MP2A	X	.61	.5
56	MP2A	Z	.352	.5
57	MP2A	Mx	.000305	.5
58	MP2B	X	.786	.5
59	MP2B	Z	.454	.5
60	MP2B	Mx	7.9e-5	.5
61	MP2C	X	.65	.5
62	MP2C	Z	.375	.5
63	MP2C	Mx	-.000287	.5
64	MP1A	X	3.012	2.73
65	MP1A	Z	1.739	2.73
66	MP1A	Mx	.002	2.73
67	MP1B	X	3.968	2.73
68	MP1B	Z	2.291	2.73
69	MP1B	Mx	.000398	2.73
70	MP1C	X	3.229	2.73
71	MP1C	Z	1.864	2.73
72	MP1C	Mx	-.001	2.73
73	MP2A	X	2.63	2.73
74	MP2A	Z	1.518	2.73
75	MP2A	Mx	.001	2.73
76	MP2B	X	3.953	2.73
77	MP2B	Z	2.282	2.73
78	MP2B	Mx	.000396	2.73
79	MP2C	X	2.93	2.73
80	MP2C	Z	1.692	2.73
81	MP2C	Mx	-.001	2.73
82	OVP	X	8.461	1.63
83	OVP	Z	4.885	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.466	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP4A	Z	4.271	1.73
3	MP4A	Mx	-.001	1.73
4	MP4A	X	2.466	3.73
5	MP4A	Z	4.271	3.73
6	MP4A	Mx	-.001	3.73
7	MP4B	X	2.177	1.73
8	MP4B	Z	3.771	1.73
9	MP4B	Mx	-.001	1.73
10	MP4B	X	2.177	3.73
11	MP4B	Z	3.771	3.73
12	MP4B	Mx	-.001	3.73
13	MP4C	X	1.192	1.73
14	MP4C	Z	2.065	1.73
15	MP4C	Mx	.001	1.73
16	MP4C	X	1.192	3.73
17	MP4C	Z	2.065	3.73
18	MP4C	Mx	.001	3.73
19	MP2A	X	5.153	1.73
20	MP2A	Z	8.926	1.73
21	MP2A	Mx	.003	1.73
22	MP2A	X	5.153	5.82
23	MP2A	Z	8.926	5.82
24	MP2A	Mx	.003	5.82
25	MP2B	X	4.838	1.73
26	MP2B	Z	8.379	1.73
27	MP2B	Mx	-.01	1.73
28	MP2B	X	4.838	5.82
29	MP2B	Z	8.379	5.82
30	MP2B	Mx	-.01	5.82
31	MP2C	X	3.761	1.73
32	MP2C	Z	6.514	1.73
33	MP2C	Mx	.007	1.73
34	MP2C	X	3.761	5.82
35	MP2C	Z	6.514	5.82
36	MP2C	Mx	.007	5.82
37	MP2A	X	5.153	1.73
38	MP2A	Z	8.926	1.73
39	MP2A	Mx	-.011	1.73
40	MP2A	X	5.153	5.82
41	MP2A	Z	8.926	5.82
42	MP2A	Mx	-.011	5.82
43	MP2B	X	4.838	1.73
44	MP2B	Z	8.379	1.73
45	MP2B	Mx	.000895	1.73
46	MP2B	X	4.838	5.82
47	MP2B	Z	8.379	5.82
48	MP2B	Mx	.000895	5.82
49	MP2C	X	3.761	1.73
50	MP2C	Z	6.514	1.73
51	MP2C	Mx	.005	1.73
52	MP2C	X	3.761	5.82
53	MP2C	Z	6.514	5.82
54	MP2C	Mx	.005	5.82
55	MP2A	X	.423	.5
56	MP2A	Z	.732	.5
57	MP2A	Mx	.000212	.5
58	MP2B	X	.4	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2B	Z	.692	.5
60	MP2B	Mx	.000257	.5
61	MP2C	X	.321	.5
62	MP2C	Z	.556	.5
63	MP2C	Mx	-.000316	.5
64	MP1A	X	2.122	2.73
65	MP1A	Z	3.676	2.73
66	MP1A	Mx	.001	2.73
67	MP1B	X	1.997	2.73
68	MP1B	Z	3.459	2.73
69	MP1B	Mx	.001	2.73
70	MP1C	X	1.57	2.73
71	MP1C	Z	2.719	2.73
72	MP1C	Mx	-.002	2.73
73	MP2A	X	2.049	2.73
74	MP2A	Z	3.549	2.73
75	MP2A	Mx	.001	2.73
76	MP2B	X	1.876	2.73
77	MP2B	Z	3.249	2.73
78	MP2B	Mx	.001	2.73
79	MP2C	X	1.285	2.73
80	MP2C	Z	2.226	2.73
81	MP2C	Mx	-.001	2.73
82	OVP	X	4.326	1.63
83	OVP	Z	7.492	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.73
2	MP4A	Z	5.817	1.73
3	MP4A	Mx	0	1.73
4	MP4A	X	0	3.73
5	MP4A	Z	5.817	3.73
6	MP4A	Mx	0	3.73
7	MP4B	X	0	1.73
8	MP4B	Z	2.691	1.73
9	MP4B	Mx	-.001	1.73
10	MP4B	X	0	3.73
11	MP4B	Z	2.691	3.73
12	MP4B	Mx	-.001	3.73
13	MP4C	X	0	1.73
14	MP4C	Z	2.691	1.73
15	MP4C	Mx	.001	1.73
16	MP4C	X	0	3.73
17	MP4C	Z	2.691	3.73
18	MP4C	Mx	.001	3.73
19	MP2A	X	0	1.73
20	MP2A	Z	11.274	1.73
21	MP2A	Mx	.008	1.73
22	MP2A	X	0	5.82
23	MP2A	Z	11.274	5.82
24	MP2A	Mx	.008	5.82
25	MP2B	X	0	1.73
26	MP2B	Z	7.857	1.73
27	MP2B	Mx	-.008	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	0	5.82
29	MP2B	Z	7.857	5.82
30	MP2B	Mx	-.008	5.82
31	MP2C	X	0	1.73
32	MP2C	Z	7.857	1.73
33	MP2C	Mx	.004	1.73
34	MP2C	X	0	5.82
35	MP2C	Z	7.857	5.82
36	MP2C	Mx	.004	5.82
37	MP2A	X	0	1.73
38	MP2A	Z	11.274	1.73
39	MP2A	Mx	-.008	1.73
40	MP2A	X	0	5.82
41	MP2A	Z	11.274	5.82
42	MP2A	Mx	-.008	5.82
43	MP2B	X	0	1.73
44	MP2B	Z	7.857	1.73
45	MP2B	Mx	-.004	1.73
46	MP2B	X	0	5.82
47	MP2B	Z	7.857	5.82
48	MP2B	Mx	-.004	5.82
49	MP2C	X	0	1.73
50	MP2C	Z	7.857	1.73
51	MP2C	Mx	.008	1.73
52	MP2C	X	0	5.82
53	MP2C	Z	7.857	5.82
54	MP2C	Mx	.008	5.82
55	MP2A	X	0	.5
56	MP2A	Z	.916	.5
57	MP2A	Mx	0	.5
58	MP2B	X	0	.5
59	MP2B	Z	.667	.5
60	MP2B	Mx	.000313	.5
61	MP2C	X	0	.5
62	MP2C	Z	.667	.5
63	MP2C	Mx	-.000313	.5
64	MP1A	X	0	2.73
65	MP1A	Z	4.629	2.73
66	MP1A	Mx	0	2.73
67	MP1B	X	0	2.73
68	MP1B	Z	3.273	2.73
69	MP1B	Mx	.002	2.73
70	MP1C	X	0	2.73
71	MP1C	Z	3.273	2.73
72	MP1C	Mx	-.002	2.73
73	MP2A	X	0	2.73
74	MP2A	Z	4.629	2.73
75	MP2A	Mx	0	2.73
76	MP2B	X	0	2.73
77	MP2B	Z	2.754	2.73
78	MP2B	Mx	.001	2.73
79	MP2C	X	0	2.73
80	MP2C	Z	2.754	2.73
81	MP2C	Mx	-.001	2.73
82	OVP	X	0	1.63
83	OVP	Z	7.739	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.466	1.73
2	MP4A	Z	4.271	1.73
3	MP4A	Mx	.001	1.73
4	MP4A	X	-2.466	3.73
5	MP4A	Z	4.271	3.73
6	MP4A	Mx	.001	3.73
7	MP4B	X	-1.192	1.73
8	MP4B	Z	2.065	1.73
9	MP4B	Mx	-.001	1.73
10	MP4B	X	-1.192	3.73
11	MP4B	Z	2.065	3.73
12	MP4B	Mx	-.001	3.73
13	MP4C	X	-2.177	1.73
14	MP4C	Z	3.771	1.73
15	MP4C	Mx	.001	1.73
16	MP4C	X	-2.177	3.73
17	MP4C	Z	3.771	3.73
18	MP4C	Mx	.001	3.73
19	MP2A	X	-5.153	1.73
20	MP2A	Z	8.926	1.73
21	MP2A	Mx	.011	1.73
22	MP2A	X	-5.153	5.82
23	MP2A	Z	8.926	5.82
24	MP2A	Mx	.011	5.82
25	MP2B	X	-3.761	1.73
26	MP2B	Z	6.514	1.73
27	MP2B	Mx	-.005	1.73
28	MP2B	X	-3.761	5.82
29	MP2B	Z	6.514	5.82
30	MP2B	Mx	-.005	5.82
31	MP2C	X	-4.838	1.73
32	MP2C	Z	8.379	1.73
33	MP2C	Mx	-.000895	1.73
34	MP2C	X	-4.838	5.82
35	MP2C	Z	8.379	5.82
36	MP2C	Mx	-.000895	5.82
37	MP2A	X	-5.153	1.73
38	MP2A	Z	8.926	1.73
39	MP2A	Mx	-.003	1.73
40	MP2A	X	-5.153	5.82
41	MP2A	Z	8.926	5.82
42	MP2A	Mx	-.003	5.82
43	MP2B	X	-3.761	1.73
44	MP2B	Z	6.514	1.73
45	MP2B	Mx	-.007	1.73
46	MP2B	X	-3.761	5.82
47	MP2B	Z	6.514	5.82
48	MP2B	Mx	-.007	5.82
49	MP2C	X	-4.838	1.73
50	MP2C	Z	8.379	1.73
51	MP2C	Mx	.01	1.73
52	MP2C	X	-4.838	5.82
53	MP2C	Z	8.379	5.82
54	MP2C	Mx	.01	5.82
55	MP2A	X	-.423	.5
56	MP2A	Z	.732	.5
57	MP2A	Mx	-.000212	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-.321	.5
59	MP2B	Z	.556	.5
60	MP2B	Mx	.000316	.5
61	MP2C	X	-.4	.5
62	MP2C	Z	.692	.5
63	MP2C	Mx	-.000257	.5
64	MP1A	X	-2.122	2.73
65	MP1A	Z	3.676	2.73
66	MP1A	Mx	-.001	2.73
67	MP1B	X	-1.57	2.73
68	MP1B	Z	2.719	2.73
69	MP1B	Mx	.002	2.73
70	MP1C	X	-1.997	2.73
71	MP1C	Z	3.459	2.73
72	MP1C	Mx	-.001	2.73
73	MP2A	X	-2.049	2.73
74	MP2A	Z	3.549	2.73
75	MP2A	Mx	-.001	2.73
76	MP2B	X	-1.285	2.73
77	MP2B	Z	2.226	2.73
78	MP2B	Mx	.001	2.73
79	MP2C	X	-1.876	2.73
80	MP2C	Z	3.249	2.73
81	MP2C	Mx	-.001	2.73
82	OVP	X	-3.973	1.63
83	OVP	Z	6.881	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.738	1.73
2	MP4A	Z	1.581	1.73
3	MP4A	Mx	.001	1.73
4	MP4A	X	-2.738	3.73
5	MP4A	Z	1.581	3.73
6	MP4A	Mx	.001	3.73
7	MP4B	X	-3.239	1.73
8	MP4B	Z	1.87	1.73
9	MP4B	Mx	-.001	1.73
10	MP4B	X	-3.239	3.73
11	MP4B	Z	1.87	3.73
12	MP4B	Mx	-.001	3.73
13	MP4C	X	-4.945	1.73
14	MP4C	Z	2.855	1.73
15	MP4C	Mx	.000496	1.73
16	MP4C	X	-4.945	3.73
17	MP4C	Z	2.855	3.73
18	MP4C	Mx	.000496	3.73
19	MP2A	X	-7.251	1.73
20	MP2A	Z	4.186	1.73
21	MP2A	Mx	.009	1.73
22	MP2A	X	-7.251	5.82
23	MP2A	Z	4.186	5.82
24	MP2A	Mx	.009	5.82
25	MP2B	X	-7.797	1.73
26	MP2B	Z	4.502	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.000833	1.73
28	MP2B	X	-7.797	5.82
29	MP2B	Z	4.502	5.82
30	MP2B	Mx	-.000833	5.82
31	MP2C	X	-9.663	1.73
32	MP2C	Z	5.579	1.73
33	MP2C	Mx	-.007	1.73
34	MP2C	X	-9.663	5.82
35	MP2C	Z	5.579	5.82
36	MP2C	Mx	-.007	5.82
37	MP2A	X	-7.251	1.73
38	MP2A	Z	4.186	1.73
39	MP2A	Mx	.002	1.73
40	MP2A	X	-7.251	5.82
41	MP2A	Z	4.186	5.82
42	MP2A	Mx	.002	5.82
43	MP2B	X	-7.797	1.73
44	MP2B	Z	4.502	1.73
45	MP2B	Mx	-.01	1.73
46	MP2B	X	-7.797	5.82
47	MP2B	Z	4.502	5.82
48	MP2B	Mx	-.01	5.82
49	MP2C	X	-9.663	1.73
50	MP2C	Z	5.579	1.73
51	MP2C	Mx	.01	1.73
52	MP2C	X	-9.663	5.82
53	MP2C	Z	5.579	5.82
54	MP2C	Mx	.01	5.82
55	MP2A	X	-.61	.5
56	MP2A	Z	.352	.5
57	MP2A	Mx	-.000305	.5
58	MP2B	X	-.65	.5
59	MP2B	Z	.375	.5
60	MP2B	Mx	.000287	.5
61	MP2C	X	-.786	.5
62	MP2C	Z	.454	.5
63	MP2C	Mx	-7.9e-5	.5
64	MP1A	X	-3.012	2.73
65	MP1A	Z	1.739	2.73
66	MP1A	Mx	-.002	2.73
67	MP1B	X	-3.229	2.73
68	MP1B	Z	1.864	2.73
69	MP1B	Mx	.001	2.73
70	MP1C	X	-3.968	2.73
71	MP1C	Z	2.291	2.73
72	MP1C	Mx	-.000398	2.73
73	MP2A	X	-2.63	2.73
74	MP2A	Z	1.518	2.73
75	MP2A	Mx	-.001	2.73
76	MP2B	X	-2.93	2.73
77	MP2B	Z	1.692	2.73
78	MP2B	Mx	.001	2.73
79	MP2C	X	-3.953	2.73
80	MP2C	Z	2.282	2.73
81	MP2C	Mx	-.000396	2.73
82	OVP	X	-7.85	1.63
83	OVP	Z	4.532	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.277	1.73
2	MP4A	Z	0	1.73
3	MP4A	Mx	.001	1.73
4	MP4A	X	-2.277	3.73
5	MP4A	Z	0	3.73
6	MP4A	Mx	.001	3.73
7	MP4B	X	-5.403	1.73
8	MP4B	Z	0	1.73
9	MP4B	Mx	-.000924	1.73
10	MP4B	X	-5.403	3.73
11	MP4B	Z	0	3.73
12	MP4B	Mx	-.000924	3.73
13	MP4C	X	-5.403	1.73
14	MP4C	Z	0	1.73
15	MP4C	Mx	-.000924	1.73
16	MP4C	X	-5.403	3.73
17	MP4C	Z	0	3.73
18	MP4C	Mx	-.000924	3.73
19	MP2A	X	-7.405	1.73
20	MP2A	Z	0	1.73
21	MP2A	Mx	.006	1.73
22	MP2A	X	-7.405	5.82
23	MP2A	Z	0	5.82
24	MP2A	Mx	.006	5.82
25	MP2B	X	-10.822	1.73
26	MP2B	Z	0	1.73
27	MP2B	Mx	.005	1.73
28	MP2B	X	-10.822	5.82
29	MP2B	Z	0	5.82
30	MP2B	Mx	.005	5.82
31	MP2C	X	-10.822	1.73
32	MP2C	Z	0	1.73
33	MP2C	Mx	-.01	1.73
34	MP2C	X	-10.822	5.82
35	MP2C	Z	0	5.82
36	MP2C	Mx	-.01	5.82
37	MP2A	X	-7.405	1.73
38	MP2A	Z	0	1.73
39	MP2A	Mx	.006	1.73
40	MP2A	X	-7.405	5.82
41	MP2A	Z	0	5.82
42	MP2A	Mx	.006	5.82
43	MP2B	X	-10.822	1.73
44	MP2B	Z	0	1.73
45	MP2B	Mx	-.01	1.73
46	MP2B	X	-10.822	5.82
47	MP2B	Z	0	5.82
48	MP2B	Mx	-.01	5.82
49	MP2C	X	-10.822	1.73
50	MP2C	Z	0	1.73
51	MP2C	Mx	.005	1.73
52	MP2C	X	-10.822	5.82

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	0	5.82
54	MP2C	Mx	.005	5.82
55	MP2A	X	-.634	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.000317	.5
58	MP2B	X	-.883	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	.000151	.5
61	MP2C	X	-.883	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	.000151	.5
64	MP1A	X	-3.094	2.73
65	MP1A	Z	0	2.73
66	MP1A	Mx	-.002	2.73
67	MP1B	X	-4.449	2.73
68	MP1B	Z	0	2.73
69	MP1B	Mx	.000761	2.73
70	MP1C	X	-4.449	2.73
71	MP1C	Z	0	2.73
72	MP1C	Mx	.000761	2.73
73	MP2A	X	-2.506	2.73
74	MP2A	Z	0	2.73
75	MP2A	Mx	-.001	2.73
76	MP2B	X	-4.38	2.73
77	MP2B	Z	0	2.73
78	MP2B	Mx	.000749	2.73
79	MP2C	X	-4.38	2.73
80	MP2C	Z	0	2.73
81	MP2C	Mx	.000749	2.73
82	OVP	X	-9.977	1.63
83	OVP	Z	0	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.738	1.73
2	MP4A	Z	-1.581	1.73
3	MP4A	Mx	.001	1.73
4	MP4A	X	-2.738	3.73
5	MP4A	Z	-1.581	3.73
6	MP4A	Mx	.001	3.73
7	MP4B	X	-4.945	1.73
8	MP4B	Z	-2.855	1.73
9	MP4B	Mx	.000496	1.73
10	MP4B	X	-4.945	3.73
11	MP4B	Z	-2.855	3.73
12	MP4B	Mx	.000496	3.73
13	MP4C	X	-3.239	1.73
14	MP4C	Z	-1.87	1.73
15	MP4C	Mx	-.001	1.73
16	MP4C	X	-3.239	3.73
17	MP4C	Z	-1.87	3.73
18	MP4C	Mx	-.001	3.73
19	MP2A	X	-7.251	1.73
20	MP2A	Z	-4.186	1.73
21	MP2A	Mx	.002	1.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-7.251	5.82
23	MP2A	Z	-4.186	5.82
24	MP2A	Mx	.002	5.82
25	MP2B	X	-9.663	1.73
26	MP2B	Z	-5.579	1.73
27	MP2B	Mx	.01	1.73
28	MP2B	X	-9.663	5.82
29	MP2B	Z	-5.579	5.82
30	MP2B	Mx	.01	5.82
31	MP2C	X	-7.797	1.73
32	MP2C	Z	-4.502	1.73
33	MP2C	Mx	-.01	1.73
34	MP2C	X	-7.797	5.82
35	MP2C	Z	-4.502	5.82
36	MP2C	Mx	-.01	5.82
37	MP2A	X	-7.251	1.73
38	MP2A	Z	-4.186	1.73
39	MP2A	Mx	.009	1.73
40	MP2A	X	-7.251	5.82
41	MP2A	Z	-4.186	5.82
42	MP2A	Mx	.009	5.82
43	MP2B	X	-9.663	1.73
44	MP2B	Z	-5.579	1.73
45	MP2B	Mx	-.007	1.73
46	MP2B	X	-9.663	5.82
47	MP2B	Z	-5.579	5.82
48	MP2B	Mx	-.007	5.82
49	MP2C	X	-7.797	1.73
50	MP2C	Z	-4.502	1.73
51	MP2C	Mx	-.000833	1.73
52	MP2C	X	-7.797	5.82
53	MP2C	Z	-4.502	5.82
54	MP2C	Mx	-.000833	5.82
55	MP2A	X	-.61	.5
56	MP2A	Z	-.352	.5
57	MP2A	Mx	-.000305	.5
58	MP2B	X	-.786	.5
59	MP2B	Z	-.454	.5
60	MP2B	Mx	-7.9e-5	.5
61	MP2C	X	-.65	.5
62	MP2C	Z	-.375	.5
63	MP2C	Mx	.000287	.5
64	MP1A	X	-3.012	2.73
65	MP1A	Z	-1.739	2.73
66	MP1A	Mx	-.002	2.73
67	MP1B	X	-3.968	2.73
68	MP1B	Z	-2.291	2.73
69	MP1B	Mx	-.000398	2.73
70	MP1C	X	-3.229	2.73
71	MP1C	Z	-1.864	2.73
72	MP1C	Mx	.001	2.73
73	MP2A	X	-2.63	2.73
74	MP2A	Z	-1.518	2.73
75	MP2A	Mx	-.001	2.73
76	MP2B	X	-3.953	2.73
77	MP2B	Z	-2.282	2.73
78	MP2B	Mx	-.000396	2.73

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2C	X	-2.93	2.73
80	MP2C	Z	-1.692	2.73
81	MP2C	Mx	.001	2.73
82	OVP	X	-8.461	1.63
83	OVP	Z	-4.885	1.63
84	OVP	Mx	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.466	1.73
2	MP4A	Z	-4.271	1.73
3	MP4A	Mx	.001	1.73
4	MP4A	X	-2.466	3.73
5	MP4A	Z	-4.271	3.73
6	MP4A	Mx	.001	3.73
7	MP4B	X	-2.177	1.73
8	MP4B	Z	-3.771	1.73
9	MP4B	Mx	.001	1.73
10	MP4B	X	-2.177	3.73
11	MP4B	Z	-3.771	3.73
12	MP4B	Mx	.001	3.73
13	MP4C	X	-1.192	1.73
14	MP4C	Z	-2.065	1.73
15	MP4C	Mx	-.001	1.73
16	MP4C	X	-1.192	3.73
17	MP4C	Z	-2.065	3.73
18	MP4C	Mx	-.001	3.73
19	MP2A	X	-5.153	1.73
20	MP2A	Z	-8.926	1.73
21	MP2A	Mx	-.003	1.73
22	MP2A	X	-5.153	5.82
23	MP2A	Z	-8.926	5.82
24	MP2A	Mx	-.003	5.82
25	MP2B	X	-4.838	1.73
26	MP2B	Z	-8.379	1.73
27	MP2B	Mx	.01	1.73
28	MP2B	X	-4.838	5.82
29	MP2B	Z	-8.379	5.82
30	MP2B	Mx	.01	5.82
31	MP2C	X	-3.761	1.73
32	MP2C	Z	-6.514	1.73
33	MP2C	Mx	-.007	1.73
34	MP2C	X	-3.761	5.82
35	MP2C	Z	-6.514	5.82
36	MP2C	Mx	-.007	5.82
37	MP2A	X	-5.153	1.73
38	MP2A	Z	-8.926	1.73
39	MP2A	Mx	.011	1.73
40	MP2A	X	-5.153	5.82
41	MP2A	Z	-8.926	5.82
42	MP2A	Mx	.011	5.82
43	MP2B	X	-4.838	1.73
44	MP2B	Z	-8.379	1.73
45	MP2B	Mx	-.000895	1.73
46	MP2B	X	-4.838	5.82
47	MP2B	Z	-8.379	5.82

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	-.000895	5.82
49	MP2C	X	-3.761	1.73
50	MP2C	Z	-6.514	1.73
51	MP2C	Mx	-.005	1.73
52	MP2C	X	-3.761	5.82
53	MP2C	Z	-6.514	5.82
54	MP2C	Mx	-.005	5.82
55	MP2A	X	-.423	.5
56	MP2A	Z	-.732	.5
57	MP2A	Mx	-.000212	.5
58	MP2B	X	-.4	.5
59	MP2B	Z	-.692	.5
60	MP2B	Mx	-.000257	.5
61	MP2C	X	-.321	.5
62	MP2C	Z	-.556	.5
63	MP2C	Mx	.000316	.5
64	MP1A	X	-2.122	2.73
65	MP1A	Z	-3.676	2.73
66	MP1A	Mx	-.001	2.73
67	MP1B	X	-1.997	2.73
68	MP1B	Z	-3.459	2.73
69	MP1B	Mx	-.001	2.73
70	MP1C	X	-1.57	2.73
71	MP1C	Z	-2.719	2.73
72	MP1C	Mx	.002	2.73
73	MP2A	X	-2.049	2.73
74	MP2A	Z	-3.549	2.73
75	MP2A	Mx	-.001	2.73
76	MP2B	X	-1.876	2.73
77	MP2B	Z	-3.249	2.73
78	MP2B	Mx	-.001	2.73
79	MP2C	X	-1.285	2.73
80	MP2C	Z	-2.226	2.73
81	MP2C	Mx	.001	2.73
82	OVP	X	-4.326	1.63
83	OVP	Z	-7.492	1.63
84	OVP	Mx	0	1.63

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M4	Y	-500	%7.667

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M4	Y	-500	%62

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M4	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M4	Y	-250	0

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-9.365	-9.365	0	%100
2	M2	Y	-7.768	-7.768	0	%100
3	M4	Y	-6.388	-6.388	0	%100
4	MP1A	Y	-4.836	-4.836	0	%100
5	MP2A	Y	-4.836	-4.836	0	%100
6	MP3A	Y	-4.836	-4.836	0	%100
7	MP4A	Y	-4.836	-4.836	0	%100
8	M13	Y	-4.836	-4.836	0	%100
9	OVP	Y	-4.836	-4.836	0	%100
10	M23	Y	-8.976	-8.976	0	%100
11	M24	Y	-9.365	-9.365	0	%100
12	M25	Y	-7.768	-7.768	0	%100
13	M26	Y	-6.388	-6.388	0	%100
14	MP1C	Y	-4.836	-4.836	0	%100
15	MP2C	Y	-4.836	-4.836	0	%100
16	MP3C	Y	-4.836	-4.836	0	%100
17	MP4C	Y	-4.836	-4.836	0	%100
18	M36	Y	-4.836	-4.836	0	%100
19	M46	Y	-8.976	-8.976	0	%100
20	M47	Y	-9.365	-9.365	0	%100
21	M48	Y	-7.768	-7.768	0	%100
22	M49	Y	-6.388	-6.388	0	%100
23	MP1B	Y	-4.836	-4.836	0	%100
24	MP2B	Y	-4.836	-4.836	0	%100
25	MP3B	Y	-4.836	-4.836	0	%100
26	MP4B	Y	-4.836	-4.836	0	%100
27	M59	Y	-4.836	-4.836	0	%100
28	M69	Y	-8.976	-8.976	0	%100
29	M70	Y	-4.836	-4.836	0	%100
30	M71	Y	-4.836	-4.836	0	%100
31	M72	Y	-4.836	-4.836	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-9.066	-9.066	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	-12.73	-12.73	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-8.638	-8.638	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	-8.638	-8.638	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	-8.638	-8.638	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	-8.638	-8.638	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-8.638	-8.638	0	%100
17	OVP	X	0	0	0	%100
18	OVP	Z	-8.638	-8.638	0	%100
19	M23	X	0	0	0	%100
20	M23	Z	-18.258	-18.258	0	%100
21	M24	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,%]
22	M24	Z	-8.404	-8.404	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	-9.066	-9.066	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	-4.188	-4.188	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-8.638	-8.638	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-8.638	-8.638	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-8.638	-8.638	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	-8.638	-8.638	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	-2.842	-2.842	0	%100
37	M46	X	0	0	0	%100
38	M46	Z	-14.978	-14.978	0	%100
39	M47	X	0	0	0	%100
40	M47	Z	-6.576	-6.576	0	%100
41	M48	X	0	0	0	%100
42	M48	Z	-9.066	-9.066	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	-2.274	-2.274	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-8.638	-8.638	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-8.638	-8.638	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-8.638	-8.638	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	-8.638	-8.638	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	-1.543	-1.543	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-15.691	-15.691	0	%100
57	M70	X	0	0	0	%100
58	M70	Z	-.218	-.218	0	%100
59	M71	X	0	0	0	%100
60	M71	Z	-5.363	-5.363	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	-2.245	-2.245	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.401	1.401	0	%100
2	M1	Z	-2.426	-2.426	0	%100
3	M2	X	4.533	4.533	0	%100
4	M2	Z	-7.852	-7.852	0	%100
5	M4	X	4.774	4.774	0	%100
6	M4	Z	-8.268	-8.268	0	%100
7	MP1A	X	4.319	4.319	0	%100
8	MP1A	Z	-7.481	-7.481	0	%100
9	MP2A	X	4.319	4.319	0	%100
10	MP2A	Z	-7.481	-7.481	0	%100
11	MP3A	X	4.319	4.319	0	%100
12	MP3A	Z	-7.481	-7.481	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,%]
13	MP4A	X	4.319	4.319	0	%100
14	MP4A	Z	-7.481	-7.481	0	%100
15	M13	X	3.239	3.239	0	%100
16	M13	Z	-5.611	-5.611	0	%100
17	OVP	X	4.319	4.319	0	%100
18	OVP	Z	-7.481	-7.481	0	%100
19	M23	X	8.582	8.582	0	%100
20	M23	Z	-14.865	-14.865	0	%100
21	M24	X	1.401	1.401	0	%100
22	M24	Z	-2.426	-2.426	0	%100
23	M25	X	4.533	4.533	0	%100
24	M25	Z	-7.852	-7.852	0	%100
25	M26	X	5.228	5.228	0	%100
26	M26	Z	-9.055	-9.055	0	%100
27	MP1C	X	4.319	4.319	0	%100
28	MP1C	Z	-7.481	-7.481	0	%100
29	MP2C	X	4.319	4.319	0	%100
30	MP2C	Z	-7.481	-7.481	0	%100
31	MP3C	X	4.319	4.319	0	%100
32	MP3C	Z	-7.481	-7.481	0	%100
33	MP4C	X	4.319	4.319	0	%100
34	MP4C	Z	-7.481	-7.481	0	%100
35	M36	X	3.548	3.548	0	%100
36	M36	Z	-6.145	-6.145	0	%100
37	M46	X	8.582	8.582	0	%100
38	M46	Z	-14.865	-14.865	0	%100
39	M47	X	5.434	5.434	0	%100
40	M47	Z	-9.412	-9.412	0	%100
41	M48	X	4.533	4.533	0	%100
42	M48	Z	-7.852	-7.852	0	%100
43	M49	X	.048	.048	0	%100
44	M49	Z	-.084	-.084	0	%100
45	MP1B	X	4.319	4.319	0	%100
46	MP1B	Z	-7.481	-7.481	0	%100
47	MP2B	X	4.319	4.319	0	%100
48	MP2B	Z	-7.481	-7.481	0	%100
49	MP3B	X	4.319	4.319	0	%100
50	MP3B	Z	-7.481	-7.481	0	%100
51	MP4B	X	4.319	4.319	0	%100
52	MP4B	Z	-7.481	-7.481	0	%100
53	M59	X	.033	.033	0	%100
54	M59	Z	-.057	-.057	0	%100
55	M69	X	7.008	7.008	0	%100
56	M69	Z	-12.138	-12.138	0	%100
57	M70	X	1.379	1.379	0	%100
58	M70	Z	-2.389	-2.389	0	%100
59	M71	X	3.222	3.222	0	%100
60	M71	Z	-5.581	-5.581	0	%100
61	M72	X	.023	.023	0	%100
62	M72	Z	-.04	-.04	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	7.278	7.278	0	%100
2	M1	Z	-4.202	-4.202	0	%100
3	M2	X	7.852	7.852	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,%]
4	M2	Z	-4.533	-4.533	0	%100
5	M4	X	2.756	2.756	0	%100
6	M4	Z	-1.591	-1.591	0	%100
7	MP1A	X	7.481	7.481	0	%100
8	MP1A	Z	-4.319	-4.319	0	%100
9	MP2A	X	7.481	7.481	0	%100
10	MP2A	Z	-4.319	-4.319	0	%100
11	MP3A	X	7.481	7.481	0	%100
12	MP3A	Z	-4.319	-4.319	0	%100
13	MP4A	X	7.481	7.481	0	%100
14	MP4A	Z	-4.319	-4.319	0	%100
15	M13	X	1.87	1.87	0	%100
16	M13	Z	-1.08	-1.08	0	%100
17	OVP	X	7.481	7.481	0	%100
18	OVP	Z	-4.319	-4.319	0	%100
19	M23	X	12.971	12.971	0	%100
20	M23	Z	-7.489	-7.489	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	0	0	0	%100
23	M25	X	7.852	7.852	0	%100
24	M25	Z	-4.533	-4.533	0	%100
25	M26	X	10.941	10.941	0	%100
26	M26	Z	-6.317	-6.317	0	%100
27	MP1C	X	7.481	7.481	0	%100
28	MP1C	Z	-4.319	-4.319	0	%100
29	MP2C	X	7.481	7.481	0	%100
30	MP2C	Z	-4.319	-4.319	0	%100
31	MP3C	X	7.481	7.481	0	%100
32	MP3C	Z	-4.319	-4.319	0	%100
33	MP4C	X	7.481	7.481	0	%100
34	MP4C	Z	-4.319	-4.319	0	%100
35	M36	X	7.424	7.424	0	%100
36	M36	Z	-4.286	-4.286	0	%100
37	M46	X	15.812	15.812	0	%100
38	M46	Z	-9.129	-9.129	0	%100
39	M47	X	8.569	8.569	0	%100
40	M47	Z	-4.948	-4.948	0	%100
41	M48	X	7.852	7.852	0	%100
42	M48	Z	-4.533	-4.533	0	%100
43	M49	X	3.627	3.627	0	%100
44	M49	Z	-2.094	-2.094	0	%100
45	MP1B	X	7.481	7.481	0	%100
46	MP1B	Z	-4.319	-4.319	0	%100
47	MP2B	X	7.481	7.481	0	%100
48	MP2B	Z	-4.319	-4.319	0	%100
49	MP3B	X	7.481	7.481	0	%100
50	MP3B	Z	-4.319	-4.319	0	%100
51	MP4B	X	7.481	7.481	0	%100
52	MP4B	Z	-4.319	-4.319	0	%100
53	M59	X	2.461	2.461	0	%100
54	M59	Z	-1.421	-1.421	0	%100
55	M69	X	12.467	12.467	0	%100
56	M69	Z	-7.198	-7.198	0	%100
57	M70	X	5.027	5.027	0	%100
58	M70	Z	-2.903	-2.903	0	%100
59	M71	X	3.75	3.75	0	%100
60	M71	Z	-2.165	-2.165	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,%]
61	M72	X	1.1	1.1	0	%100
62	M72	Z	-.635	-.635	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	11.206	11.206	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	9.066	9.066	0	%100
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	MP1A	X	8.638	8.638	0	%100
8	MP1A	Z	0	0	0	%100
9	MP2A	X	8.638	8.638	0	%100
10	MP2A	Z	0	0	0	%100
11	MP3A	X	8.638	8.638	0	%100
12	MP3A	Z	0	0	0	%100
13	MP4A	X	8.638	8.638	0	%100
14	MP4A	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	OVP	X	8.638	8.638	0	%100
18	OVP	Z	0	0	0	%100
19	M23	X	13.884	13.884	0	%100
20	M23	Z	0	0	0	%100
21	M24	X	2.801	2.801	0	%100
22	M24	Z	0	0	0	%100
23	M25	X	9.066	9.066	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	8.542	8.542	0	%100
26	M26	Z	0	0	0	%100
27	MP1C	X	8.638	8.638	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	8.638	8.638	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	8.638	8.638	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	8.638	8.638	0	%100
34	MP4C	Z	0	0	0	%100
35	M36	X	5.796	5.796	0	%100
36	M36	Z	0	0	0	%100
37	M46	X	17.165	17.165	0	%100
38	M46	Z	0	0	0	%100
39	M47	X	4.63	4.63	0	%100
40	M47	Z	0	0	0	%100
41	M48	X	9.066	9.066	0	%100
42	M48	Z	0	0	0	%100
43	M49	X	10.456	10.456	0	%100
44	M49	Z	0	0	0	%100
45	MP1B	X	8.638	8.638	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	8.638	8.638	0	%100
48	MP2B	Z	0	0	0	%100
49	MP3B	X	8.638	8.638	0	%100
50	MP3B	Z	0	0	0	%100
51	MP4B	X	8.638	8.638	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,%]
52	MP4B	Z	0	0	0	%100
53	M59	X	7.095	7.095	0	%100
54	M59	Z	0	0	0	%100
55	M69	X	16.451	16.451	0	%100
56	M69	Z	0	0	0	%100
57	M70	X	6.312	6.312	0	%100
58	M70	Z	0	0	0	%100
59	M71	X	1.136	1.136	0	%100
60	M71	Z	0	0	0	%100
61	M72	X	4.694	4.694	0	%100
62	M72	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	7.278	7.278	0	%100
2	M1	Z	4.202	4.202	0	%100
3	M2	X	7.852	7.852	0	%100
4	M2	Z	4.533	4.533	0	%100
5	M4	X	2.756	2.756	0	%100
6	M4	Z	1.591	1.591	0	%100
7	MP1A	X	7.481	7.481	0	%100
8	MP1A	Z	4.319	4.319	0	%100
9	MP2A	X	7.481	7.481	0	%100
10	MP2A	Z	4.319	4.319	0	%100
11	MP3A	X	7.481	7.481	0	%100
12	MP3A	Z	4.319	4.319	0	%100
13	MP4A	X	7.481	7.481	0	%100
14	MP4A	Z	4.319	4.319	0	%100
15	M13	X	1.87	1.87	0	%100
16	M13	Z	1.08	1.08	0	%100
17	OVP	X	7.481	7.481	0	%100
18	OVP	Z	4.319	4.319	0	%100
19	M23	X	12.971	12.971	0	%100
20	M23	Z	7.489	7.489	0	%100
21	M24	X	7.278	7.278	0	%100
22	M24	Z	4.202	4.202	0	%100
23	M25	X	7.852	7.852	0	%100
24	M25	Z	4.533	4.533	0	%100
25	M26	X	1.969	1.969	0	%100
26	M26	Z	1.137	1.137	0	%100
27	MP1C	X	7.481	7.481	0	%100
28	MP1C	Z	4.319	4.319	0	%100
29	MP2C	X	7.481	7.481	0	%100
30	MP2C	Z	4.319	4.319	0	%100
31	MP3C	X	7.481	7.481	0	%100
32	MP3C	Z	4.319	4.319	0	%100
33	MP4C	X	7.481	7.481	0	%100
34	MP4C	Z	4.319	4.319	0	%100
35	M36	X	1.336	1.336	0	%100
36	M36	Z	.771	.771	0	%100
37	M46	X	12.971	12.971	0	%100
38	M46	Z	7.489	7.489	0	%100
39	M47	X	.293	.293	0	%100
40	M47	Z	.169	.169	0	%100
41	M48	X	7.852	7.852	0	%100
42	M48	Z	4.533	4.533	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,%]
43	M49	X	10.941	10.941	0	%100
44	M49	Z	6.317	6.317	0	%100
45	MP1B	X	7.481	7.481	0	%100
46	MP1B	Z	4.319	4.319	0	%100
47	MP2B	X	7.481	7.481	0	%100
48	MP2B	Z	4.319	4.319	0	%100
49	MP3B	X	7.481	7.481	0	%100
50	MP3B	Z	4.319	4.319	0	%100
51	MP4B	X	7.481	7.481	0	%100
52	MP4B	Z	4.319	4.319	0	%100
53	M59	X	7.424	7.424	0	%100
54	M59	Z	4.286	4.286	0	%100
55	M69	X	15.698	15.698	0	%100
56	M69	Z	9.063	9.063	0	%100
57	M70	X	3.266	3.266	0	%100
58	M70	Z	1.886	1.886	0	%100
59	M71	X	.048	.048	0	%100
60	M71	Z	.028	.028	0	%100
61	M72	X	5.97	5.97	0	%100
62	M72	Z	3.447	3.447	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.401	1.401	0	%100
2	M1	Z	2.426	2.426	0	%100
3	M2	X	4.533	4.533	0	%100
4	M2	Z	7.852	7.852	0	%100
5	M4	X	4.774	4.774	0	%100
6	M4	Z	8.268	8.268	0	%100
7	MP1A	X	4.319	4.319	0	%100
8	MP1A	Z	7.481	7.481	0	%100
9	MP2A	X	4.319	4.319	0	%100
10	MP2A	Z	7.481	7.481	0	%100
11	MP3A	X	4.319	4.319	0	%100
12	MP3A	Z	7.481	7.481	0	%100
13	MP4A	X	4.319	4.319	0	%100
14	MP4A	Z	7.481	7.481	0	%100
15	M13	X	3.239	3.239	0	%100
16	M13	Z	5.611	5.611	0	%100
17	OVP	X	4.319	4.319	0	%100
18	OVP	Z	7.481	7.481	0	%100
19	M23	X	8.582	8.582	0	%100
20	M23	Z	14.865	14.865	0	%100
21	M24	X	5.603	5.603	0	%100
22	M24	Z	9.705	9.705	0	%100
23	M25	X	4.533	4.533	0	%100
24	M25	Z	7.852	7.852	0	%100
25	M26	X	.048	.048	0	%100
26	M26	Z	.084	.084	0	%100
27	MP1C	X	4.319	4.319	0	%100
28	MP1C	Z	7.481	7.481	0	%100
29	MP2C	X	4.319	4.319	0	%100
30	MP2C	Z	7.481	7.481	0	%100
31	MP3C	X	4.319	4.319	0	%100
32	MP3C	Z	7.481	7.481	0	%100
33	MP4C	X	4.319	4.319	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,%]
34	MP4C	Z	7.481	7.481	0	%100
35	M36	X	.033	.033	0	%100
36	M36	Z	.057	.057	0	%100
37	M46	X	6.942	6.942	0	%100
38	M46	Z	12.024	12.024	0	%100
39	M47	X	.655	.655	0	%100
40	M47	Z	1.135	1.135	0	%100
41	M48	X	4.533	4.533	0	%100
42	M48	Z	7.852	7.852	0	%100
43	M49	X	4.271	4.271	0	%100
44	M49	Z	7.397	7.397	0	%100
45	MP1B	X	4.319	4.319	0	%100
46	MP1B	Z	7.481	7.481	0	%100
47	MP2B	X	4.319	4.319	0	%100
48	MP2B	Z	7.481	7.481	0	%100
49	MP3B	X	4.319	4.319	0	%100
50	MP3B	Z	7.481	7.481	0	%100
51	MP4B	X	4.319	4.319	0	%100
52	MP4B	Z	7.481	7.481	0	%100
53	M59	X	2.898	2.898	0	%100
54	M59	Z	5.02	5.02	0	%100
55	M69	X	8.873	8.873	0	%100
56	M69	Z	15.369	15.369	0	%100
57	M70	X	.363	.363	0	%100
58	M70	Z	.628	.628	0	%100
59	M71	X	1.084	1.084	0	%100
60	M71	Z	1.878	1.878	0	%100
61	M72	X	2.834	2.834	0	%100
62	M72	Z	4.909	4.909	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	9.066	9.066	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	12.73	12.73	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	8.638	8.638	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	8.638	8.638	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	8.638	8.638	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	8.638	8.638	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	8.638	8.638	0	%100
17	OVP	X	0	0	0	%100
18	OVP	Z	8.638	8.638	0	%100
19	M23	X	0	0	0	%100
20	M23	Z	18.258	18.258	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	8.404	8.404	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	9.066	9.066	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,%]
25	M26	X	0	0	0	%100
26	M26	Z	4.188	4.188	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	8.638	8.638	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	8.638	8.638	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	8.638	8.638	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	8.638	8.638	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	2.842	2.842	0	%100
37	M46	X	0	0	0	%100
38	M46	Z	14.978	14.978	0	%100
39	M47	X	0	0	0	%100
40	M47	Z	6.576	6.576	0	%100
41	M48	X	0	0	0	%100
42	M48	Z	9.066	9.066	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	2.274	2.274	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	8.638	8.638	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	8.638	8.638	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	8.638	8.638	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	8.638	8.638	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	1.543	1.543	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	15.691	15.691	0	%100
57	M70	X	0	0	0	%100
58	M70	Z	.218	.218	0	%100
59	M71	X	0	0	0	%100
60	M71	Z	5.363	5.363	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	2.245	2.245	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.401	-1.401	0	%100
2	M1	Z	2.426	2.426	0	%100
3	M2	X	-4.533	-4.533	0	%100
4	M2	Z	7.852	7.852	0	%100
5	M4	X	-4.774	-4.774	0	%100
6	M4	Z	8.268	8.268	0	%100
7	MP1A	X	-4.319	-4.319	0	%100
8	MP1A	Z	7.481	7.481	0	%100
9	MP2A	X	-4.319	-4.319	0	%100
10	MP2A	Z	7.481	7.481	0	%100
11	MP3A	X	-4.319	-4.319	0	%100
12	MP3A	Z	7.481	7.481	0	%100
13	MP4A	X	-4.319	-4.319	0	%100
14	MP4A	Z	7.481	7.481	0	%100
15	M13	X	-3.239	-3.239	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,%]
16	M13	Z	5.611	5.611	0	%100
17	OVP	X	-4.319	-4.319	0	%100
18	OVP	Z	7.481	7.481	0	%100
19	M23	X	-8.582	-8.582	0	%100
20	M23	Z	14.865	14.865	0	%100
21	M24	X	-1.401	-1.401	0	%100
22	M24	Z	2.426	2.426	0	%100
23	M25	X	-4.533	-4.533	0	%100
24	M25	Z	7.852	7.852	0	%100
25	M26	X	-5.228	-5.228	0	%100
26	M26	Z	9.055	9.055	0	%100
27	MP1C	X	-4.319	-4.319	0	%100
28	MP1C	Z	7.481	7.481	0	%100
29	MP2C	X	-4.319	-4.319	0	%100
30	MP2C	Z	7.481	7.481	0	%100
31	MP3C	X	-4.319	-4.319	0	%100
32	MP3C	Z	7.481	7.481	0	%100
33	MP4C	X	-4.319	-4.319	0	%100
34	MP4C	Z	7.481	7.481	0	%100
35	M36	X	-3.548	-3.548	0	%100
36	M36	Z	6.145	6.145	0	%100
37	M46	X	-8.582	-8.582	0	%100
38	M46	Z	14.865	14.865	0	%100
39	M47	X	-5.434	-5.434	0	%100
40	M47	Z	9.412	9.412	0	%100
41	M48	X	-4.533	-4.533	0	%100
42	M48	Z	7.852	7.852	0	%100
43	M49	X	-.048	-.048	0	%100
44	M49	Z	.084	.084	0	%100
45	MP1B	X	-4.319	-4.319	0	%100
46	MP1B	Z	7.481	7.481	0	%100
47	MP2B	X	-4.319	-4.319	0	%100
48	MP2B	Z	7.481	7.481	0	%100
49	MP3B	X	-4.319	-4.319	0	%100
50	MP3B	Z	7.481	7.481	0	%100
51	MP4B	X	-4.319	-4.319	0	%100
52	MP4B	Z	7.481	7.481	0	%100
53	M59	X	-.033	-.033	0	%100
54	M59	Z	.057	.057	0	%100
55	M69	X	-7.008	-7.008	0	%100
56	M69	Z	12.138	12.138	0	%100
57	M70	X	-1.379	-1.379	0	%100
58	M70	Z	2.389	2.389	0	%100
59	M71	X	-3.222	-3.222	0	%100
60	M71	Z	5.581	5.581	0	%100
61	M72	X	-.023	-.023	0	%100
62	M72	Z	.04	.04	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-7.278	-7.278	0	%100
2	M1	Z	4.202	4.202	0	%100
3	M2	X	-7.852	-7.852	0	%100
4	M2	Z	4.533	4.533	0	%100
5	M4	X	-2.756	-2.756	0	%100
6	M4	Z	1.591	1.591	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,%]
7	MP1A	X	-7.481	-7.481	0	%100
8	MP1A	Z	4.319	4.319	0	%100
9	MP2A	X	-7.481	-7.481	0	%100
10	MP2A	Z	4.319	4.319	0	%100
11	MP3A	X	-7.481	-7.481	0	%100
12	MP3A	Z	4.319	4.319	0	%100
13	MP4A	X	-7.481	-7.481	0	%100
14	MP4A	Z	4.319	4.319	0	%100
15	M13	X	-1.87	-1.87	0	%100
16	M13	Z	1.08	1.08	0	%100
17	OVP	X	-7.481	-7.481	0	%100
18	OVP	Z	4.319	4.319	0	%100
19	M23	X	-12.971	-12.971	0	%100
20	M23	Z	7.489	7.489	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	0	0	0	%100
23	M25	X	-7.852	-7.852	0	%100
24	M25	Z	4.533	4.533	0	%100
25	M26	X	-10.941	-10.941	0	%100
26	M26	Z	6.317	6.317	0	%100
27	MP1C	X	-7.481	-7.481	0	%100
28	MP1C	Z	4.319	4.319	0	%100
29	MP2C	X	-7.481	-7.481	0	%100
30	MP2C	Z	4.319	4.319	0	%100
31	MP3C	X	-7.481	-7.481	0	%100
32	MP3C	Z	4.319	4.319	0	%100
33	MP4C	X	-7.481	-7.481	0	%100
34	MP4C	Z	4.319	4.319	0	%100
35	M36	X	-7.424	-7.424	0	%100
36	M36	Z	4.286	4.286	0	%100
37	M46	X	-15.812	-15.812	0	%100
38	M46	Z	9.129	9.129	0	%100
39	M47	X	-8.569	-8.569	0	%100
40	M47	Z	4.948	4.948	0	%100
41	M48	X	-7.852	-7.852	0	%100
42	M48	Z	4.533	4.533	0	%100
43	M49	X	-3.627	-3.627	0	%100
44	M49	Z	2.094	2.094	0	%100
45	MP1B	X	-7.481	-7.481	0	%100
46	MP1B	Z	4.319	4.319	0	%100
47	MP2B	X	-7.481	-7.481	0	%100
48	MP2B	Z	4.319	4.319	0	%100
49	MP3B	X	-7.481	-7.481	0	%100
50	MP3B	Z	4.319	4.319	0	%100
51	MP4B	X	-7.481	-7.481	0	%100
52	MP4B	Z	4.319	4.319	0	%100
53	M59	X	-2.461	-2.461	0	%100
54	M59	Z	1.421	1.421	0	%100
55	M69	X	-12.467	-12.467	0	%100
56	M69	Z	7.198	7.198	0	%100
57	M70	X	-5.027	-5.027	0	%100
58	M70	Z	2.903	2.903	0	%100
59	M71	X	-3.75	-3.75	0	%100
60	M71	Z	2.165	2.165	0	%100
61	M72	X	-1.1	-1.1	0	%100
62	M72	Z	.635	.635	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-11.206	-11.206	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-9.066	-9.066	0	%100
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	MP1A	X	-8.638	-8.638	0	%100
8	MP1A	Z	0	0	0	%100
9	MP2A	X	-8.638	-8.638	0	%100
10	MP2A	Z	0	0	0	%100
11	MP3A	X	-8.638	-8.638	0	%100
12	MP3A	Z	0	0	0	%100
13	MP4A	X	-8.638	-8.638	0	%100
14	MP4A	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	OVP	X	-8.638	-8.638	0	%100
18	OVP	Z	0	0	0	%100
19	M23	X	-13.884	-13.884	0	%100
20	M23	Z	0	0	0	%100
21	M24	X	-2.801	-2.801	0	%100
22	M24	Z	0	0	0	%100
23	M25	X	-9.066	-9.066	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	-8.542	-8.542	0	%100
26	M26	Z	0	0	0	%100
27	MP1C	X	-8.638	-8.638	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	-8.638	-8.638	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	-8.638	-8.638	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	-8.638	-8.638	0	%100
34	MP4C	Z	0	0	0	%100
35	M36	X	-5.796	-5.796	0	%100
36	M36	Z	0	0	0	%100
37	M46	X	-17.165	-17.165	0	%100
38	M46	Z	0	0	0	%100
39	M47	X	-4.63	-4.63	0	%100
40	M47	Z	0	0	0	%100
41	M48	X	-9.066	-9.066	0	%100
42	M48	Z	0	0	0	%100
43	M49	X	-10.456	-10.456	0	%100
44	M49	Z	0	0	0	%100
45	MP1B	X	-8.638	-8.638	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	-8.638	-8.638	0	%100
48	MP2B	Z	0	0	0	%100
49	MP3B	X	-8.638	-8.638	0	%100
50	MP3B	Z	0	0	0	%100
51	MP4B	X	-8.638	-8.638	0	%100
52	MP4B	Z	0	0	0	%100
53	M59	X	-7.095	-7.095	0	%100
54	M59	Z	0	0	0	%100
55	M69	X	-16.451	-16.451	0	%100
56	M69	Z	0	0	0	%100
57	M70	X	-6.312	-6.312	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,%]
58	M70	Z	0	0	0	%100
59	M71	X	-1.136	-1.136	0	%100
60	M71	Z	0	0	0	%100
61	M72	X	-4.694	-4.694	0	%100
62	M72	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-7.278	-7.278	0	%100
2	M1	Z	-4.202	-4.202	0	%100
3	M2	X	-7.852	-7.852	0	%100
4	M2	Z	-4.533	-4.533	0	%100
5	M4	X	-2.756	-2.756	0	%100
6	M4	Z	-1.591	-1.591	0	%100
7	MP1A	X	-7.481	-7.481	0	%100
8	MP1A	Z	-4.319	-4.319	0	%100
9	MP2A	X	-7.481	-7.481	0	%100
10	MP2A	Z	-4.319	-4.319	0	%100
11	MP3A	X	-7.481	-7.481	0	%100
12	MP3A	Z	-4.319	-4.319	0	%100
13	MP4A	X	-7.481	-7.481	0	%100
14	MP4A	Z	-4.319	-4.319	0	%100
15	M13	X	-1.87	-1.87	0	%100
16	M13	Z	-1.08	-1.08	0	%100
17	OVP	X	-7.481	-7.481	0	%100
18	OVP	Z	-4.319	-4.319	0	%100
19	M23	X	-12.971	-12.971	0	%100
20	M23	Z	-7.489	-7.489	0	%100
21	M24	X	-7.278	-7.278	0	%100
22	M24	Z	-4.202	-4.202	0	%100
23	M25	X	-7.852	-7.852	0	%100
24	M25	Z	-4.533	-4.533	0	%100
25	M26	X	-1.969	-1.969	0	%100
26	M26	Z	-1.137	-1.137	0	%100
27	MP1C	X	-7.481	-7.481	0	%100
28	MP1C	Z	-4.319	-4.319	0	%100
29	MP2C	X	-7.481	-7.481	0	%100
30	MP2C	Z	-4.319	-4.319	0	%100
31	MP3C	X	-7.481	-7.481	0	%100
32	MP3C	Z	-4.319	-4.319	0	%100
33	MP4C	X	-7.481	-7.481	0	%100
34	MP4C	Z	-4.319	-4.319	0	%100
35	M36	X	-1.336	-1.336	0	%100
36	M36	Z	-.771	-.771	0	%100
37	M46	X	-12.971	-12.971	0	%100
38	M46	Z	-7.489	-7.489	0	%100
39	M47	X	-.293	-.293	0	%100
40	M47	Z	-.169	-.169	0	%100
41	M48	X	-7.852	-7.852	0	%100
42	M48	Z	-4.533	-4.533	0	%100
43	M49	X	-10.941	-10.941	0	%100
44	M49	Z	-6.317	-6.317	0	%100
45	MP1B	X	-7.481	-7.481	0	%100
46	MP1B	Z	-4.319	-4.319	0	%100
47	MP2B	X	-7.481	-7.481	0	%100
48	MP2B	Z	-4.319	-4.319	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,%]
49	MP3B	X	-7.481	-7.481	0	%100
50	MP3B	Z	-4.319	-4.319	0	%100
51	MP4B	X	-7.481	-7.481	0	%100
52	MP4B	Z	-4.319	-4.319	0	%100
53	M59	X	-7.424	-7.424	0	%100
54	M59	Z	-4.286	-4.286	0	%100
55	M69	X	-15.698	-15.698	0	%100
56	M69	Z	-9.063	-9.063	0	%100
57	M70	X	-3.266	-3.266	0	%100
58	M70	Z	-1.886	-1.886	0	%100
59	M71	X	-.048	-.048	0	%100
60	M71	Z	-.028	-.028	0	%100
61	M72	X	-5.97	-5.97	0	%100
62	M72	Z	-3.447	-3.447	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.401	-1.401	0	%100
2	M1	Z	-2.426	-2.426	0	%100
3	M2	X	-4.533	-4.533	0	%100
4	M2	Z	-7.852	-7.852	0	%100
5	M4	X	-4.774	-4.774	0	%100
6	M4	Z	-8.268	-8.268	0	%100
7	MP1A	X	-4.319	-4.319	0	%100
8	MP1A	Z	-7.481	-7.481	0	%100
9	MP2A	X	-4.319	-4.319	0	%100
10	MP2A	Z	-7.481	-7.481	0	%100
11	MP3A	X	-4.319	-4.319	0	%100
12	MP3A	Z	-7.481	-7.481	0	%100
13	MP4A	X	-4.319	-4.319	0	%100
14	MP4A	Z	-7.481	-7.481	0	%100
15	M13	X	-3.239	-3.239	0	%100
16	M13	Z	-5.611	-5.611	0	%100
17	OVP	X	-4.319	-4.319	0	%100
18	OVP	Z	-7.481	-7.481	0	%100
19	M23	X	-8.582	-8.582	0	%100
20	M23	Z	-14.865	-14.865	0	%100
21	M24	X	-5.603	-5.603	0	%100
22	M24	Z	-9.705	-9.705	0	%100
23	M25	X	-4.533	-4.533	0	%100
24	M25	Z	-7.852	-7.852	0	%100
25	M26	X	-.048	-.048	0	%100
26	M26	Z	-.084	-.084	0	%100
27	MP1C	X	-4.319	-4.319	0	%100
28	MP1C	Z	-7.481	-7.481	0	%100
29	MP2C	X	-4.319	-4.319	0	%100
30	MP2C	Z	-7.481	-7.481	0	%100
31	MP3C	X	-4.319	-4.319	0	%100
32	MP3C	Z	-7.481	-7.481	0	%100
33	MP4C	X	-4.319	-4.319	0	%100
34	MP4C	Z	-7.481	-7.481	0	%100
35	M36	X	-.033	-.033	0	%100
36	M36	Z	-.057	-.057	0	%100
37	M46	X	-6.942	-6.942	0	%100
38	M46	Z	-12.024	-12.024	0	%100
39	M47	X	-.655	-.655	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,%]
40	M47	Z	-1.135	-1.135	0	%100
41	M48	X	-4.533	-4.533	0	%100
42	M48	Z	-7.852	-7.852	0	%100
43	M49	X	-4.271	-4.271	0	%100
44	M49	Z	-7.397	-7.397	0	%100
45	MP1B	X	-4.319	-4.319	0	%100
46	MP1B	Z	-7.481	-7.481	0	%100
47	MP2B	X	-4.319	-4.319	0	%100
48	MP2B	Z	-7.481	-7.481	0	%100
49	MP3B	X	-4.319	-4.319	0	%100
50	MP3B	Z	-7.481	-7.481	0	%100
51	MP4B	X	-4.319	-4.319	0	%100
52	MP4B	Z	-7.481	-7.481	0	%100
53	M59	X	-2.898	-2.898	0	%100
54	M59	Z	-5.02	-5.02	0	%100
55	M69	X	-8.873	-8.873	0	%100
56	M69	Z	-15.369	-15.369	0	%100
57	M70	X	-.363	-.363	0	%100
58	M70	Z	-.628	-.628	0	%100
59	M71	X	-1.084	-1.084	0	%100
60	M71	Z	-1.878	-1.878	0	%100
61	M72	X	-2.834	-2.834	0	%100
62	M72	Z	-4.909	-4.909	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.954	-2.954	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	-3.96	-3.96	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-3.186	-3.186	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	-3.186	-3.186	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	-3.186	-3.186	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	-3.186	-3.186	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-3.186	-3.186	0	%100
17	OVP	X	0	0	0	%100
18	OVP	Z	-3.186	-3.186	0	%100
19	M23	X	0	0	0	%100
20	M23	Z	-4.567	-4.567	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	-2.529	-2.529	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	-2.954	-2.954	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	-1.303	-1.303	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-3.186	-3.186	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-3.186	-3.186	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,%]
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-3.186	-3.186	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	-3.186	-3.186	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	-1.048	-1.048	0	%100
37	M46	X	0	0	0	%100
38	M46	Z	-4.213	-4.213	0	%100
39	M47	X	0	0	0	%100
40	M47	Z	-1.979	-1.979	0	%100
41	M48	X	0	0	0	%100
42	M48	Z	-2.954	-2.954	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	-.707	-.707	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-3.186	-3.186	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-3.186	-3.186	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-3.186	-3.186	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	-3.186	-3.186	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	-.569	-.569	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-4.29	-4.29	0	%100
57	M70	X	0	0	0	%100
58	M70	Z	-.081	-.081	0	%100
59	M71	X	0	0	0	%100
60	M71	Z	-1.992	-1.992	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	-.835	-.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.422	.422	0	%100
2	M1	Z	-.73	-.73	0	%100
3	M2	X	1.477	1.477	0	%100
4	M2	Z	-2.558	-2.558	0	%100
5	M4	X	1.485	1.485	0	%100
6	M4	Z	-2.572	-2.572	0	%100
7	MP1A	X	1.593	1.593	0	%100
8	MP1A	Z	-2.759	-2.759	0	%100
9	MP2A	X	1.593	1.593	0	%100
10	MP2A	Z	-2.759	-2.759	0	%100
11	MP3A	X	1.593	1.593	0	%100
12	MP3A	Z	-2.759	-2.759	0	%100
13	MP4A	X	1.593	1.593	0	%100
14	MP4A	Z	-2.759	-2.759	0	%100
15	M13	X	1.195	1.195	0	%100
16	M13	Z	-2.069	-2.069	0	%100
17	OVP	X	1.593	1.593	0	%100
18	OVP	Z	-2.759	-2.759	0	%100
19	M23	X	2.225	2.225	0	%100
20	M23	Z	-3.853	-3.853	0	%100
21	M24	X	.422	.422	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,%]
22	M24	Z	-.73	-.73	0	%100
23	M25	X	1.477	1.477	0	%100
24	M25	Z	-2.558	-2.558	0	%100
25	M26	X	1.626	1.626	0	%100
26	M26	Z	-2.817	-2.817	0	%100
27	MP1C	X	1.593	1.593	0	%100
28	MP1C	Z	-2.759	-2.759	0	%100
29	MP2C	X	1.593	1.593	0	%100
30	MP2C	Z	-2.759	-2.759	0	%100
31	MP3C	X	1.593	1.593	0	%100
32	MP3C	Z	-2.759	-2.759	0	%100
33	MP4C	X	1.593	1.593	0	%100
34	MP4C	Z	-2.759	-2.759	0	%100
35	M36	X	1.308	1.308	0	%100
36	M36	Z	-2.266	-2.266	0	%100
37	M46	X	2.225	2.225	0	%100
38	M46	Z	-3.853	-3.853	0	%100
39	M47	X	1.635	1.635	0	%100
40	M47	Z	-2.833	-2.833	0	%100
41	M48	X	1.477	1.477	0	%100
42	M48	Z	-2.558	-2.558	0	%100
43	M49	X	.015	.015	0	%100
44	M49	Z	-.026	-.026	0	%100
45	MP1B	X	1.593	1.593	0	%100
46	MP1B	Z	-2.759	-2.759	0	%100
47	MP2B	X	1.593	1.593	0	%100
48	MP2B	Z	-2.759	-2.759	0	%100
49	MP3B	X	1.593	1.593	0	%100
50	MP3B	Z	-2.759	-2.759	0	%100
51	MP4B	X	1.593	1.593	0	%100
52	MP4B	Z	-2.759	-2.759	0	%100
53	M59	X	.012	.012	0	%100
54	M59	Z	-.021	-.021	0	%100
55	M69	X	2.054	2.054	0	%100
56	M69	Z	-3.558	-3.558	0	%100
57	M70	X	.512	.512	0	%100
58	M70	Z	-.887	-.887	0	%100
59	M71	X	1.197	1.197	0	%100
60	M71	Z	-2.073	-2.073	0	%100
61	M72	X	.009	.009	0	%100
62	M72	Z	-.015	-.015	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.191	2.191	0	%100
2	M1	Z	-1.265	-1.265	0	%100
3	M2	X	2.558	2.558	0	%100
4	M2	Z	-1.477	-1.477	0	%100
5	M4	X	.857	.857	0	%100
6	M4	Z	-.495	-.495	0	%100
7	MP1A	X	2.759	2.759	0	%100
8	MP1A	Z	-1.593	-1.593	0	%100
9	MP2A	X	2.759	2.759	0	%100
10	MP2A	Z	-1.593	-1.593	0	%100
11	MP3A	X	2.759	2.759	0	%100
12	MP3A	Z	-1.593	-1.593	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,%]
13	MP4A	X	2.759	2.759	0	%100
14	MP4A	Z	-1.593	-1.593	0	%100
15	M13	X	.69	.69	0	%100
16	M13	Z	-.398	-.398	0	%100
17	OVP	X	2.759	2.759	0	%100
18	OVP	Z	-1.593	-1.593	0	%100
19	M23	X	3.648	3.648	0	%100
20	M23	Z	-2.106	-2.106	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	0	0	0	%100
23	M25	X	2.558	2.558	0	%100
24	M25	Z	-1.477	-1.477	0	%100
25	M26	X	3.403	3.403	0	%100
26	M26	Z	-1.965	-1.965	0	%100
27	MP1C	X	2.759	2.759	0	%100
28	MP1C	Z	-1.593	-1.593	0	%100
29	MP2C	X	2.759	2.759	0	%100
30	MP2C	Z	-1.593	-1.593	0	%100
31	MP3C	X	2.759	2.759	0	%100
32	MP3C	Z	-1.593	-1.593	0	%100
33	MP4C	X	2.759	2.759	0	%100
34	MP4C	Z	-1.593	-1.593	0	%100
35	M36	X	2.738	2.738	0	%100
36	M36	Z	-1.581	-1.581	0	%100
37	M46	X	3.955	3.955	0	%100
38	M46	Z	-2.284	-2.284	0	%100
39	M47	X	2.579	2.579	0	%100
40	M47	Z	-1.489	-1.489	0	%100
41	M48	X	2.558	2.558	0	%100
42	M48	Z	-1.477	-1.477	0	%100
43	M49	X	1.128	1.128	0	%100
44	M49	Z	-.651	-.651	0	%100
45	MP1B	X	2.759	2.759	0	%100
46	MP1B	Z	-1.593	-1.593	0	%100
47	MP2B	X	2.759	2.759	0	%100
48	MP2B	Z	-1.593	-1.593	0	%100
49	MP3B	X	2.759	2.759	0	%100
50	MP3B	Z	-1.593	-1.593	0	%100
51	MP4B	X	2.759	2.759	0	%100
52	MP4B	Z	-1.593	-1.593	0	%100
53	M59	X	.908	.908	0	%100
54	M59	Z	-.524	-.524	0	%100
55	M69	X	3.594	3.594	0	%100
56	M69	Z	-2.075	-2.075	0	%100
57	M70	X	1.868	1.868	0	%100
58	M70	Z	-1.078	-1.078	0	%100
59	M71	X	1.393	1.393	0	%100
60	M71	Z	-.804	-.804	0	%100
61	M72	X	.409	.409	0	%100
62	M72	Z	-.236	-.236	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.373	3.373	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	2.954	2.954	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,%]
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	MP1A	X	3.186	3.186	0	%100
8	MP1A	Z	0	0	0	%100
9	MP2A	X	3.186	3.186	0	%100
10	MP2A	Z	0	0	0	%100
11	MP3A	X	3.186	3.186	0	%100
12	MP3A	Z	0	0	0	%100
13	MP4A	X	3.186	3.186	0	%100
14	MP4A	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	OVP	X	3.186	3.186	0	%100
18	OVP	Z	0	0	0	%100
19	M23	X	4.094	4.094	0	%100
20	M23	Z	0	0	0	%100
21	M24	X	.843	.843	0	%100
22	M24	Z	0	0	0	%100
23	M25	X	2.954	2.954	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	2.657	2.657	0	%100
26	M26	Z	0	0	0	%100
27	MP1C	X	3.186	3.186	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	3.186	3.186	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	3.186	3.186	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	3.186	3.186	0	%100
34	MP4C	Z	0	0	0	%100
35	M36	X	2.138	2.138	0	%100
36	M36	Z	0	0	0	%100
37	M46	X	4.449	4.449	0	%100
38	M46	Z	0	0	0	%100
39	M47	X	1.393	1.393	0	%100
40	M47	Z	0	0	0	%100
41	M48	X	2.954	2.954	0	%100
42	M48	Z	0	0	0	%100
43	M49	X	3.252	3.252	0	%100
44	M49	Z	0	0	0	%100
45	MP1B	X	3.186	3.186	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	3.186	3.186	0	%100
48	MP2B	Z	0	0	0	%100
49	MP3B	X	3.186	3.186	0	%100
50	MP3B	Z	0	0	0	%100
51	MP4B	X	3.186	3.186	0	%100
52	MP4B	Z	0	0	0	%100
53	M59	X	2.617	2.617	0	%100
54	M59	Z	0	0	0	%100
55	M69	X	4.372	4.372	0	%100
56	M69	Z	0	0	0	%100
57	M70	X	2.345	2.345	0	%100
58	M70	Z	0	0	0	%100
59	M71	X	.422	.422	0	%100
60	M71	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,%]
61	M72	X	1.746	1.746	0	%100
62	M72	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.191	2.191	0	%100
2	M1	Z	1.265	1.265	0	%100
3	M2	X	2.558	2.558	0	%100
4	M2	Z	1.477	1.477	0	%100
5	M4	X	.857	.857	0	%100
6	M4	Z	.495	.495	0	%100
7	MP1A	X	2.759	2.759	0	%100
8	MP1A	Z	1.593	1.593	0	%100
9	MP2A	X	2.759	2.759	0	%100
10	MP2A	Z	1.593	1.593	0	%100
11	MP3A	X	2.759	2.759	0	%100
12	MP3A	Z	1.593	1.593	0	%100
13	MP4A	X	2.759	2.759	0	%100
14	MP4A	Z	1.593	1.593	0	%100
15	M13	X	.69	.69	0	%100
16	M13	Z	.398	.398	0	%100
17	OVP	X	2.759	2.759	0	%100
18	OVP	Z	1.593	1.593	0	%100
19	M23	X	3.648	3.648	0	%100
20	M23	Z	2.106	2.106	0	%100
21	M24	X	2.191	2.191	0	%100
22	M24	Z	1.265	1.265	0	%100
23	M25	X	2.558	2.558	0	%100
24	M25	Z	1.477	1.477	0	%100
25	M26	X	.612	.612	0	%100
26	M26	Z	.354	.354	0	%100
27	MP1C	X	2.759	2.759	0	%100
28	MP1C	Z	1.593	1.593	0	%100
29	MP2C	X	2.759	2.759	0	%100
30	MP2C	Z	1.593	1.593	0	%100
31	MP3C	X	2.759	2.759	0	%100
32	MP3C	Z	1.593	1.593	0	%100
33	MP4C	X	2.759	2.759	0	%100
34	MP4C	Z	1.593	1.593	0	%100
35	M36	X	.493	.493	0	%100
36	M36	Z	.285	.285	0	%100
37	M46	X	3.648	3.648	0	%100
38	M46	Z	2.106	2.106	0	%100
39	M47	X	.088	.088	0	%100
40	M47	Z	.051	.051	0	%100
41	M48	X	2.558	2.558	0	%100
42	M48	Z	1.477	1.477	0	%100
43	M49	X	3.403	3.403	0	%100
44	M49	Z	1.965	1.965	0	%100
45	MP1B	X	2.759	2.759	0	%100
46	MP1B	Z	1.593	1.593	0	%100
47	MP2B	X	2.759	2.759	0	%100
48	MP2B	Z	1.593	1.593	0	%100
49	MP3B	X	2.759	2.759	0	%100
50	MP3B	Z	1.593	1.593	0	%100
51	MP4B	X	2.759	2.759	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,%]
52	MP4B	Z	1.593	1.593	0	%100
53	M59	X	2.738	2.738	0	%100
54	M59	Z	1.581	1.581	0	%100
55	M69	X	3.943	3.943	0	%100
56	M69	Z	2.277	2.277	0	%100
57	M70	X	1.214	1.214	0	%100
58	M70	Z	.701	.701	0	%100
59	M71	X	.018	.018	0	%100
60	M71	Z	.01	.01	0	%100
61	M72	X	2.22	2.22	0	%100
62	M72	Z	1.282	1.282	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.422	.422	0	%100
2	M1	Z	.73	.73	0	%100
3	M2	X	1.477	1.477	0	%100
4	M2	Z	2.558	2.558	0	%100
5	M4	X	1.485	1.485	0	%100
6	M4	Z	2.572	2.572	0	%100
7	MP1A	X	1.593	1.593	0	%100
8	MP1A	Z	2.759	2.759	0	%100
9	MP2A	X	1.593	1.593	0	%100
10	MP2A	Z	2.759	2.759	0	%100
11	MP3A	X	1.593	1.593	0	%100
12	MP3A	Z	2.759	2.759	0	%100
13	MP4A	X	1.593	1.593	0	%100
14	MP4A	Z	2.759	2.759	0	%100
15	M13	X	1.195	1.195	0	%100
16	M13	Z	2.069	2.069	0	%100
17	OVP	X	1.593	1.593	0	%100
18	OVP	Z	2.759	2.759	0	%100
19	M23	X	2.225	2.225	0	%100
20	M23	Z	3.853	3.853	0	%100
21	M24	X	1.686	1.686	0	%100
22	M24	Z	2.921	2.921	0	%100
23	M25	X	1.477	1.477	0	%100
24	M25	Z	2.558	2.558	0	%100
25	M26	X	.015	.015	0	%100
26	M26	Z	.026	.026	0	%100
27	MP1C	X	1.593	1.593	0	%100
28	MP1C	Z	2.759	2.759	0	%100
29	MP2C	X	1.593	1.593	0	%100
30	MP2C	Z	2.759	2.759	0	%100
31	MP3C	X	1.593	1.593	0	%100
32	MP3C	Z	2.759	2.759	0	%100
33	MP4C	X	1.593	1.593	0	%100
34	MP4C	Z	2.759	2.759	0	%100
35	M36	X	.012	.012	0	%100
36	M36	Z	.021	.021	0	%100
37	M46	X	2.047	2.047	0	%100
38	M46	Z	3.546	3.546	0	%100
39	M47	X	.197	.197	0	%100
40	M47	Z	.342	.342	0	%100
41	M48	X	1.477	1.477	0	%100
42	M48	Z	2.558	2.558	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,%]
43	M49	X	1.328	1.328	0	%100
44	M49	Z	2.301	2.301	0	%100
45	MP1B	X	1.593	1.593	0	%100
46	MP1B	Z	2.759	2.759	0	%100
47	MP2B	X	1.593	1.593	0	%100
48	MP2B	Z	2.759	2.759	0	%100
49	MP3B	X	1.593	1.593	0	%100
50	MP3B	Z	2.759	2.759	0	%100
51	MP4B	X	1.593	1.593	0	%100
52	MP4B	Z	2.759	2.759	0	%100
53	M59	X	1.069	1.069	0	%100
54	M59	Z	1.851	1.851	0	%100
55	M69	X	2.256	2.256	0	%100
56	M69	Z	3.907	3.907	0	%100
57	M70	X	.135	.135	0	%100
58	M70	Z	.233	.233	0	%100
59	M71	X	.403	.403	0	%100
60	M71	Z	.698	.698	0	%100
61	M72	X	1.054	1.054	0	%100
62	M72	Z	1.826	1.826	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.954	2.954	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	3.96	3.96	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	3.186	3.186	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	3.186	3.186	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	3.186	3.186	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	3.186	3.186	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	3.186	3.186	0	%100
17	OVP	X	0	0	0	%100
18	OVP	Z	3.186	3.186	0	%100
19	M23	X	0	0	0	%100
20	M23	Z	4.567	4.567	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	2.529	2.529	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	2.954	2.954	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	1.303	1.303	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	3.186	3.186	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	3.186	3.186	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	3.186	3.186	0	%100
33	MP4C	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,%]
34	MP4C	Z	3.186	3.186	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	1.048	1.048	0	%100
37	M46	X	0	0	0	%100
38	M46	Z	4.213	4.213	0	%100
39	M47	X	0	0	0	%100
40	M47	Z	1.979	1.979	0	%100
41	M48	X	0	0	0	%100
42	M48	Z	2.954	2.954	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	.707	.707	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	3.186	3.186	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	3.186	3.186	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	3.186	3.186	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	3.186	3.186	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	.569	.569	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	4.29	4.29	0	%100
57	M70	X	0	0	0	%100
58	M70	Z	.081	.081	0	%100
59	M71	X	0	0	0	%100
60	M71	Z	1.992	1.992	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	.835	.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.422	-.422	0	%100
2	M1	Z	.73	.73	0	%100
3	M2	X	-1.477	-1.477	0	%100
4	M2	Z	2.558	2.558	0	%100
5	M4	X	-1.485	-1.485	0	%100
6	M4	Z	2.572	2.572	0	%100
7	MP1A	X	-1.593	-1.593	0	%100
8	MP1A	Z	2.759	2.759	0	%100
9	MP2A	X	-1.593	-1.593	0	%100
10	MP2A	Z	2.759	2.759	0	%100
11	MP3A	X	-1.593	-1.593	0	%100
12	MP3A	Z	2.759	2.759	0	%100
13	MP4A	X	-1.593	-1.593	0	%100
14	MP4A	Z	2.759	2.759	0	%100
15	M13	X	-1.195	-1.195	0	%100
16	M13	Z	2.069	2.069	0	%100
17	OVP	X	-1.593	-1.593	0	%100
18	OVP	Z	2.759	2.759	0	%100
19	M23	X	-2.225	-2.225	0	%100
20	M23	Z	3.853	3.853	0	%100
21	M24	X	-.422	-.422	0	%100
22	M24	Z	.73	.73	0	%100
23	M25	X	-1.477	-1.477	0	%100
24	M25	Z	2.558	2.558	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,%]
25	M26	X	-1.626	-1.626	0	%100
26	M26	Z	2.817	2.817	0	%100
27	MP1C	X	-1.593	-1.593	0	%100
28	MP1C	Z	2.759	2.759	0	%100
29	MP2C	X	-1.593	-1.593	0	%100
30	MP2C	Z	2.759	2.759	0	%100
31	MP3C	X	-1.593	-1.593	0	%100
32	MP3C	Z	2.759	2.759	0	%100
33	MP4C	X	-1.593	-1.593	0	%100
34	MP4C	Z	2.759	2.759	0	%100
35	M36	X	-1.308	-1.308	0	%100
36	M36	Z	2.266	2.266	0	%100
37	M46	X	-2.225	-2.225	0	%100
38	M46	Z	3.853	3.853	0	%100
39	M47	X	-1.635	-1.635	0	%100
40	M47	Z	2.833	2.833	0	%100
41	M48	X	-1.477	-1.477	0	%100
42	M48	Z	2.558	2.558	0	%100
43	M49	X	-.015	-.015	0	%100
44	M49	Z	.026	.026	0	%100
45	MP1B	X	-1.593	-1.593	0	%100
46	MP1B	Z	2.759	2.759	0	%100
47	MP2B	X	-1.593	-1.593	0	%100
48	MP2B	Z	2.759	2.759	0	%100
49	MP3B	X	-1.593	-1.593	0	%100
50	MP3B	Z	2.759	2.759	0	%100
51	MP4B	X	-1.593	-1.593	0	%100
52	MP4B	Z	2.759	2.759	0	%100
53	M59	X	-.012	-.012	0	%100
54	M59	Z	.021	.021	0	%100
55	M69	X	-2.054	-2.054	0	%100
56	M69	Z	3.558	3.558	0	%100
57	M70	X	-.512	-.512	0	%100
58	M70	Z	.887	.887	0	%100
59	M71	X	-1.197	-1.197	0	%100
60	M71	Z	2.073	2.073	0	%100
61	M72	X	-.009	-.009	0	%100
62	M72	Z	.015	.015	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.191	-2.191	0	%100
2	M1	Z	1.265	1.265	0	%100
3	M2	X	-2.558	-2.558	0	%100
4	M2	Z	1.477	1.477	0	%100
5	M4	X	-.857	-.857	0	%100
6	M4	Z	.495	.495	0	%100
7	MP1A	X	-2.759	-2.759	0	%100
8	MP1A	Z	1.593	1.593	0	%100
9	MP2A	X	-2.759	-2.759	0	%100
10	MP2A	Z	1.593	1.593	0	%100
11	MP3A	X	-2.759	-2.759	0	%100
12	MP3A	Z	1.593	1.593	0	%100
13	MP4A	X	-2.759	-2.759	0	%100
14	MP4A	Z	1.593	1.593	0	%100
15	M13	X	-.69	-.69	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,%]
16	M13	Z	.398	.398	0	%100
17	OVP	X	-2.759	-2.759	0	%100
18	OVP	Z	1.593	1.593	0	%100
19	M23	X	-3.648	-3.648	0	%100
20	M23	Z	2.106	2.106	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	0	0	0	%100
23	M25	X	-2.558	-2.558	0	%100
24	M25	Z	1.477	1.477	0	%100
25	M26	X	-3.403	-3.403	0	%100
26	M26	Z	1.965	1.965	0	%100
27	MP1C	X	-2.759	-2.759	0	%100
28	MP1C	Z	1.593	1.593	0	%100
29	MP2C	X	-2.759	-2.759	0	%100
30	MP2C	Z	1.593	1.593	0	%100
31	MP3C	X	-2.759	-2.759	0	%100
32	MP3C	Z	1.593	1.593	0	%100
33	MP4C	X	-2.759	-2.759	0	%100
34	MP4C	Z	1.593	1.593	0	%100
35	M36	X	-2.738	-2.738	0	%100
36	M36	Z	1.581	1.581	0	%100
37	M46	X	-3.955	-3.955	0	%100
38	M46	Z	2.284	2.284	0	%100
39	M47	X	-2.579	-2.579	0	%100
40	M47	Z	1.489	1.489	0	%100
41	M48	X	-2.558	-2.558	0	%100
42	M48	Z	1.477	1.477	0	%100
43	M49	X	-1.128	-1.128	0	%100
44	M49	Z	.651	.651	0	%100
45	MP1B	X	-2.759	-2.759	0	%100
46	MP1B	Z	1.593	1.593	0	%100
47	MP2B	X	-2.759	-2.759	0	%100
48	MP2B	Z	1.593	1.593	0	%100
49	MP3B	X	-2.759	-2.759	0	%100
50	MP3B	Z	1.593	1.593	0	%100
51	MP4B	X	-2.759	-2.759	0	%100
52	MP4B	Z	1.593	1.593	0	%100
53	M59	X	-.908	-.908	0	%100
54	M59	Z	.524	.524	0	%100
55	M69	X	-3.594	-3.594	0	%100
56	M69	Z	2.075	2.075	0	%100
57	M70	X	-1.868	-1.868	0	%100
58	M70	Z	1.078	1.078	0	%100
59	M71	X	-1.393	-1.393	0	%100
60	M71	Z	.804	.804	0	%100
61	M72	X	-.409	-.409	0	%100
62	M72	Z	.236	.236	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.373	-3.373	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-2.954	-2.954	0	%100
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	MP1A	X	-3.186	-3.186	0	%100
8	MP1A	Z	0	0	0	%100
9	MP2A	X	-3.186	-3.186	0	%100
10	MP2A	Z	0	0	0	%100
11	MP3A	X	-3.186	-3.186	0	%100
12	MP3A	Z	0	0	0	%100
13	MP4A	X	-3.186	-3.186	0	%100
14	MP4A	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	OVP	X	-3.186	-3.186	0	%100
18	OVP	Z	0	0	0	%100
19	M23	X	-4.094	-4.094	0	%100
20	M23	Z	0	0	0	%100
21	M24	X	-.843	-.843	0	%100
22	M24	Z	0	0	0	%100
23	M25	X	-2.954	-2.954	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	-2.657	-2.657	0	%100
26	M26	Z	0	0	0	%100
27	MP1C	X	-3.186	-3.186	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	-3.186	-3.186	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	-3.186	-3.186	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	-3.186	-3.186	0	%100
34	MP4C	Z	0	0	0	%100
35	M36	X	-2.138	-2.138	0	%100
36	M36	Z	0	0	0	%100
37	M46	X	-4.449	-4.449	0	%100
38	M46	Z	0	0	0	%100
39	M47	X	-1.393	-1.393	0	%100
40	M47	Z	0	0	0	%100
41	M48	X	-2.954	-2.954	0	%100
42	M48	Z	0	0	0	%100
43	M49	X	-3.252	-3.252	0	%100
44	M49	Z	0	0	0	%100
45	MP1B	X	-3.186	-3.186	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	-3.186	-3.186	0	%100
48	MP2B	Z	0	0	0	%100
49	MP3B	X	-3.186	-3.186	0	%100
50	MP3B	Z	0	0	0	%100
51	MP4B	X	-3.186	-3.186	0	%100
52	MP4B	Z	0	0	0	%100
53	M59	X	-2.617	-2.617	0	%100
54	M59	Z	0	0	0	%100
55	M69	X	-4.372	-4.372	0	%100
56	M69	Z	0	0	0	%100
57	M70	X	-2.345	-2.345	0	%100
58	M70	Z	0	0	0	%100
59	M71	X	-.422	-.422	0	%100
60	M71	Z	0	0	0	%100
61	M72	X	-1.746	-1.746	0	%100
62	M72	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.191	-2.191	0	%100
2	M1	Z	-1.265	-1.265	0	%100
3	M2	X	-2.558	-2.558	0	%100
4	M2	Z	-1.477	-1.477	0	%100
5	M4	X	-.857	-.857	0	%100
6	M4	Z	-.495	-.495	0	%100
7	MP1A	X	-2.759	-2.759	0	%100
8	MP1A	Z	-1.593	-1.593	0	%100
9	MP2A	X	-2.759	-2.759	0	%100
10	MP2A	Z	-1.593	-1.593	0	%100
11	MP3A	X	-2.759	-2.759	0	%100
12	MP3A	Z	-1.593	-1.593	0	%100
13	MP4A	X	-2.759	-2.759	0	%100
14	MP4A	Z	-1.593	-1.593	0	%100
15	M13	X	-.69	-.69	0	%100
16	M13	Z	-.398	-.398	0	%100
17	OVP	X	-2.759	-2.759	0	%100
18	OVP	Z	-1.593	-1.593	0	%100
19	M23	X	-3.648	-3.648	0	%100
20	M23	Z	-2.106	-2.106	0	%100
21	M24	X	-2.191	-2.191	0	%100
22	M24	Z	-1.265	-1.265	0	%100
23	M25	X	-2.558	-2.558	0	%100
24	M25	Z	-1.477	-1.477	0	%100
25	M26	X	-.612	-.612	0	%100
26	M26	Z	-.354	-.354	0	%100
27	MP1C	X	-2.759	-2.759	0	%100
28	MP1C	Z	-1.593	-1.593	0	%100
29	MP2C	X	-2.759	-2.759	0	%100
30	MP2C	Z	-1.593	-1.593	0	%100
31	MP3C	X	-2.759	-2.759	0	%100
32	MP3C	Z	-1.593	-1.593	0	%100
33	MP4C	X	-2.759	-2.759	0	%100
34	MP4C	Z	-1.593	-1.593	0	%100
35	M36	X	-.493	-.493	0	%100
36	M36	Z	-.285	-.285	0	%100
37	M46	X	-3.648	-3.648	0	%100
38	M46	Z	-2.106	-2.106	0	%100
39	M47	X	-.088	-.088	0	%100
40	M47	Z	-.051	-.051	0	%100
41	M48	X	-2.558	-2.558	0	%100
42	M48	Z	-1.477	-1.477	0	%100
43	M49	X	-3.403	-3.403	0	%100
44	M49	Z	-1.965	-1.965	0	%100
45	MP1B	X	-2.759	-2.759	0	%100
46	MP1B	Z	-1.593	-1.593	0	%100
47	MP2B	X	-2.759	-2.759	0	%100
48	MP2B	Z	-1.593	-1.593	0	%100
49	MP3B	X	-2.759	-2.759	0	%100
50	MP3B	Z	-1.593	-1.593	0	%100
51	MP4B	X	-2.759	-2.759	0	%100
52	MP4B	Z	-1.593	-1.593	0	%100
53	M59	X	-2.738	-2.738	0	%100
54	M59	Z	-1.581	-1.581	0	%100
55	M69	X	-3.943	-3.943	0	%100
56	M69	Z	-2.277	-2.277	0	%100
57	M70	X	-1.214	-1.214	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,%]
58	M70	Z	-.701	-.701	0	%100
59	M71	X	-.018	-.018	0	%100
60	M71	Z	-.01	-.01	0	%100
61	M72	X	-2.22	-2.22	0	%100
62	M72	Z	-1.282	-1.282	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.422	-.422	0	%100
2	M1	Z	-.73	-.73	0	%100
3	M2	X	-1.477	-1.477	0	%100
4	M2	Z	-2.558	-2.558	0	%100
5	M4	X	-1.485	-1.485	0	%100
6	M4	Z	-2.572	-2.572	0	%100
7	MP1A	X	-1.593	-1.593	0	%100
8	MP1A	Z	-2.759	-2.759	0	%100
9	MP2A	X	-1.593	-1.593	0	%100
10	MP2A	Z	-2.759	-2.759	0	%100
11	MP3A	X	-1.593	-1.593	0	%100
12	MP3A	Z	-2.759	-2.759	0	%100
13	MP4A	X	-1.593	-1.593	0	%100
14	MP4A	Z	-2.759	-2.759	0	%100
15	M13	X	-1.195	-1.195	0	%100
16	M13	Z	-2.069	-2.069	0	%100
17	OVP	X	-1.593	-1.593	0	%100
18	OVP	Z	-2.759	-2.759	0	%100
19	M23	X	-2.225	-2.225	0	%100
20	M23	Z	-3.853	-3.853	0	%100
21	M24	X	-1.686	-1.686	0	%100
22	M24	Z	-2.921	-2.921	0	%100
23	M25	X	-1.477	-1.477	0	%100
24	M25	Z	-2.558	-2.558	0	%100
25	M26	X	-.015	-.015	0	%100
26	M26	Z	-.026	-.026	0	%100
27	MP1C	X	-1.593	-1.593	0	%100
28	MP1C	Z	-2.759	-2.759	0	%100
29	MP2C	X	-1.593	-1.593	0	%100
30	MP2C	Z	-2.759	-2.759	0	%100
31	MP3C	X	-1.593	-1.593	0	%100
32	MP3C	Z	-2.759	-2.759	0	%100
33	MP4C	X	-1.593	-1.593	0	%100
34	MP4C	Z	-2.759	-2.759	0	%100
35	M36	X	-.012	-.012	0	%100
36	M36	Z	-.021	-.021	0	%100
37	M46	X	-2.047	-2.047	0	%100
38	M46	Z	-3.546	-3.546	0	%100
39	M47	X	-.197	-.197	0	%100
40	M47	Z	-.342	-.342	0	%100
41	M48	X	-1.477	-1.477	0	%100
42	M48	Z	-2.558	-2.558	0	%100
43	M49	X	-1.328	-1.328	0	%100
44	M49	Z	-2.301	-2.301	0	%100
45	MP1B	X	-1.593	-1.593	0	%100
46	MP1B	Z	-2.759	-2.759	0	%100
47	MP2B	X	-1.593	-1.593	0	%100
48	MP2B	Z	-2.759	-2.759	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,%]
49	MP3B	X	-1.593	-1.593	0	%100
50	MP3B	Z	-2.759	-2.759	0	%100
51	MP4B	X	-1.593	-1.593	0	%100
52	MP4B	Z	-2.759	-2.759	0	%100
53	M59	X	-1.069	-1.069	0	%100
54	M59	Z	-1.851	-1.851	0	%100
55	M69	X	-2.256	-2.256	0	%100
56	M69	Z	-3.907	-3.907	0	%100
57	M70	X	-.135	-.135	0	%100
58	M70	Z	-.233	-.233	0	%100
59	M71	X	-.403	-.403	0	%100
60	M71	Z	-.698	-.698	0	%100
61	M72	X	-1.054	-1.054	0	%100
62	M72	Z	-1.826	-1.826	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.617	-.617	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	-.866	-.866	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-.588	-.588	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	-.588	-.588	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	-.588	-.588	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	-.588	-.588	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-.588	-.588	0	%100
17	OVP	X	0	0	0	%100
18	OVP	Z	-.588	-.588	0	%100
19	M23	X	0	0	0	%100
20	M23	Z	-1.243	-1.243	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	-.572	-.572	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	-.617	-.617	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	-.285	-.285	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-.588	-.588	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-.588	-.588	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-.588	-.588	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	-.588	-.588	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	-.193	-.193	0	%100
37	M46	X	0	0	0	%100
38	M46	Z	-1.019	-1.019	0	%100
39	M47	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,%]
40	M47	Z	-.448	-.448	0	%100
41	M48	X	0	0	0	%100
42	M48	Z	-.617	-.617	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	-.155	-.155	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-.588	-.588	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-.588	-.588	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-.588	-.588	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	-.588	-.588	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	-.105	-.105	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-1.068	-1.068	0	%100
57	M70	X	0	0	0	%100
58	M70	Z	-.015	-.015	0	%100
59	M71	X	0	0	0	%100
60	M71	Z	-.365	-.365	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	-.153	-.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.095	.095	0	%100
2	M1	Z	-.165	-.165	0	%100
3	M2	X	.308	.308	0	%100
4	M2	Z	-.534	-.534	0	%100
5	M4	X	.325	.325	0	%100
6	M4	Z	-.563	-.563	0	%100
7	MP1A	X	.294	.294	0	%100
8	MP1A	Z	-.509	-.509	0	%100
9	MP2A	X	.294	.294	0	%100
10	MP2A	Z	-.509	-.509	0	%100
11	MP3A	X	.294	.294	0	%100
12	MP3A	Z	-.509	-.509	0	%100
13	MP4A	X	.294	.294	0	%100
14	MP4A	Z	-.509	-.509	0	%100
15	M13	X	.22	.22	0	%100
16	M13	Z	-.382	-.382	0	%100
17	OVP	X	.294	.294	0	%100
18	OVP	Z	-.509	-.509	0	%100
19	M23	X	.584	.584	0	%100
20	M23	Z	-1.012	-1.012	0	%100
21	M24	X	.095	.095	0	%100
22	M24	Z	-.165	-.165	0	%100
23	M25	X	.308	.308	0	%100
24	M25	Z	-.534	-.534	0	%100
25	M26	X	.356	.356	0	%100
26	M26	Z	-.616	-.616	0	%100
27	MP1C	X	.294	.294	0	%100
28	MP1C	Z	-.509	-.509	0	%100
29	MP2C	X	.294	.294	0	%100
30	MP2C	Z	-.509	-.509	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,%]
31	MP3C	X	.294	.294	0	%100
32	MP3C	Z	-.509	-.509	0	%100
33	MP4C	X	.294	.294	0	%100
34	MP4C	Z	-.509	-.509	0	%100
35	M36	X	.241	.241	0	%100
36	M36	Z	-.418	-.418	0	%100
37	M46	X	.584	.584	0	%100
38	M46	Z	-1.012	-1.012	0	%100
39	M47	X	.37	.37	0	%100
40	M47	Z	-.641	-.641	0	%100
41	M48	X	.308	.308	0	%100
42	M48	Z	-.534	-.534	0	%100
43	M49	X	.003	.003	0	%100
44	M49	Z	-.006	-.006	0	%100
45	MP1B	X	.294	.294	0	%100
46	MP1B	Z	-.509	-.509	0	%100
47	MP2B	X	.294	.294	0	%100
48	MP2B	Z	-.509	-.509	0	%100
49	MP3B	X	.294	.294	0	%100
50	MP3B	Z	-.509	-.509	0	%100
51	MP4B	X	.294	.294	0	%100
52	MP4B	Z	-.509	-.509	0	%100
53	M59	X	.002	.002	0	%100
54	M59	Z	-.004	-.004	0	%100
55	M69	X	.477	.477	0	%100
56	M69	Z	-.826	-.826	0	%100
57	M70	X	.094	.094	0	%100
58	M70	Z	-.163	-.163	0	%100
59	M71	X	.219	.219	0	%100
60	M71	Z	-.38	-.38	0	%100
61	M72	X	.002	.002	0	%100
62	M72	Z	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.495	.495	0	%100
2	M1	Z	-.286	-.286	0	%100
3	M2	X	.534	.534	0	%100
4	M2	Z	-.308	-.308	0	%100
5	M4	X	.188	.188	0	%100
6	M4	Z	-.108	-.108	0	%100
7	MP1A	X	.509	.509	0	%100
8	MP1A	Z	-.294	-.294	0	%100
9	MP2A	X	.509	.509	0	%100
10	MP2A	Z	-.294	-.294	0	%100
11	MP3A	X	.509	.509	0	%100
12	MP3A	Z	-.294	-.294	0	%100
13	MP4A	X	.509	.509	0	%100
14	MP4A	Z	-.294	-.294	0	%100
15	M13	X	.127	.127	0	%100
16	M13	Z	-.073	-.073	0	%100
17	OVP	X	.509	.509	0	%100
18	OVP	Z	-.294	-.294	0	%100
19	M23	X	.883	.883	0	%100
20	M23	Z	-.51	-.51	0	%100
21	M24	X	0	0	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,%]
22	M24	Z	0	0	0	%100
23	M25	X	.534	.534	0	%100
24	M25	Z	-.308	-.308	0	%100
25	M26	X	.745	.745	0	%100
26	M26	Z	-.43	-.43	0	%100
27	MP1C	X	.509	.509	0	%100
28	MP1C	Z	-.294	-.294	0	%100
29	MP2C	X	.509	.509	0	%100
30	MP2C	Z	-.294	-.294	0	%100
31	MP3C	X	.509	.509	0	%100
32	MP3C	Z	-.294	-.294	0	%100
33	MP4C	X	.509	.509	0	%100
34	MP4C	Z	-.294	-.294	0	%100
35	M36	X	.505	.505	0	%100
36	M36	Z	-.292	-.292	0	%100
37	M46	X	1.076	1.076	0	%100
38	M46	Z	-.621	-.621	0	%100
39	M47	X	.583	.583	0	%100
40	M47	Z	-.337	-.337	0	%100
41	M48	X	.534	.534	0	%100
42	M48	Z	-.308	-.308	0	%100
43	M49	X	.247	.247	0	%100
44	M49	Z	-.143	-.143	0	%100
45	MP1B	X	.509	.509	0	%100
46	MP1B	Z	-.294	-.294	0	%100
47	MP2B	X	.509	.509	0	%100
48	MP2B	Z	-.294	-.294	0	%100
49	MP3B	X	.509	.509	0	%100
50	MP3B	Z	-.294	-.294	0	%100
51	MP4B	X	.509	.509	0	%100
52	MP4B	Z	-.294	-.294	0	%100
53	M59	X	.167	.167	0	%100
54	M59	Z	-.097	-.097	0	%100
55	M69	X	.848	.848	0	%100
56	M69	Z	-.49	-.49	0	%100
57	M70	X	.342	.342	0	%100
58	M70	Z	-.198	-.198	0	%100
59	M71	X	.255	.255	0	%100
60	M71	Z	-.147	-.147	0	%100
61	M72	X	.075	.075	0	%100
62	M72	Z	-.043	-.043	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.763	.763	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.617	.617	0	%100
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	MP1A	X	.588	.588	0	%100
8	MP1A	Z	0	0	0	%100
9	MP2A	X	.588	.588	0	%100
10	MP2A	Z	0	0	0	%100
11	MP3A	X	.588	.588	0	%100
12	MP3A	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,%]
13	MP4A	X	.588	.588	0	%100
14	MP4A	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	OVP	X	.588	.588	0	%100
18	OVP	Z	0	0	0	%100
19	M23	X	.945	.945	0	%100
20	M23	Z	0	0	0	%100
21	M24	X	.191	.191	0	%100
22	M24	Z	0	0	0	%100
23	M25	X	.617	.617	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	.581	.581	0	%100
26	M26	Z	0	0	0	%100
27	MP1C	X	.588	.588	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	.588	.588	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	.588	.588	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	.588	.588	0	%100
34	MP4C	Z	0	0	0	%100
35	M36	X	.394	.394	0	%100
36	M36	Z	0	0	0	%100
37	M46	X	1.168	1.168	0	%100
38	M46	Z	0	0	0	%100
39	M47	X	.315	.315	0	%100
40	M47	Z	0	0	0	%100
41	M48	X	.617	.617	0	%100
42	M48	Z	0	0	0	%100
43	M49	X	.712	.712	0	%100
44	M49	Z	0	0	0	%100
45	MP1B	X	.588	.588	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	.588	.588	0	%100
48	MP2B	Z	0	0	0	%100
49	MP3B	X	.588	.588	0	%100
50	MP3B	Z	0	0	0	%100
51	MP4B	X	.588	.588	0	%100
52	MP4B	Z	0	0	0	%100
53	M59	X	.483	.483	0	%100
54	M59	Z	0	0	0	%100
55	M69	X	1.12	1.12	0	%100
56	M69	Z	0	0	0	%100
57	M70	X	.43	.43	0	%100
58	M70	Z	0	0	0	%100
59	M71	X	.077	.077	0	%100
60	M71	Z	0	0	0	%100
61	M72	X	.319	.319	0	%100
62	M72	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.495	.495	0	%100
2	M1	Z	.286	.286	0	%100
3	M2	X	.534	.534	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,%]
4	M2	Z	.308	.308	0	%100
5	M4	X	.188	.188	0	%100
6	M4	Z	.108	.108	0	%100
7	MP1A	X	.509	.509	0	%100
8	MP1A	Z	.294	.294	0	%100
9	MP2A	X	.509	.509	0	%100
10	MP2A	Z	.294	.294	0	%100
11	MP3A	X	.509	.509	0	%100
12	MP3A	Z	.294	.294	0	%100
13	MP4A	X	.509	.509	0	%100
14	MP4A	Z	.294	.294	0	%100
15	M13	X	.127	.127	0	%100
16	M13	Z	.073	.073	0	%100
17	OVP	X	.509	.509	0	%100
18	OVP	Z	.294	.294	0	%100
19	M23	X	.883	.883	0	%100
20	M23	Z	.51	.51	0	%100
21	M24	X	.495	.495	0	%100
22	M24	Z	.286	.286	0	%100
23	M25	X	.534	.534	0	%100
24	M25	Z	.308	.308	0	%100
25	M26	X	.134	.134	0	%100
26	M26	Z	.077	.077	0	%100
27	MP1C	X	.509	.509	0	%100
28	MP1C	Z	.294	.294	0	%100
29	MP2C	X	.509	.509	0	%100
30	MP2C	Z	.294	.294	0	%100
31	MP3C	X	.509	.509	0	%100
32	MP3C	Z	.294	.294	0	%100
33	MP4C	X	.509	.509	0	%100
34	MP4C	Z	.294	.294	0	%100
35	M36	X	.091	.091	0	%100
36	M36	Z	.052	.052	0	%100
37	M46	X	.883	.883	0	%100
38	M46	Z	.51	.51	0	%100
39	M47	X	.02	.02	0	%100
40	M47	Z	.011	.011	0	%100
41	M48	X	.534	.534	0	%100
42	M48	Z	.308	.308	0	%100
43	M49	X	.745	.745	0	%100
44	M49	Z	.43	.43	0	%100
45	MP1B	X	.509	.509	0	%100
46	MP1B	Z	.294	.294	0	%100
47	MP2B	X	.509	.509	0	%100
48	MP2B	Z	.294	.294	0	%100
49	MP3B	X	.509	.509	0	%100
50	MP3B	Z	.294	.294	0	%100
51	MP4B	X	.509	.509	0	%100
52	MP4B	Z	.294	.294	0	%100
53	M59	X	.505	.505	0	%100
54	M59	Z	.292	.292	0	%100
55	M69	X	1.068	1.068	0	%100
56	M69	Z	.617	.617	0	%100
57	M70	X	.222	.222	0	%100
58	M70	Z	.128	.128	0	%100
59	M71	X	.003	.003	0	%100
60	M71	Z	.002	.002	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,%]
61	M72	X	.406	.406	0	%100
62	M72	Z	.235	.235	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.095	.095	0	%100
2	M1	Z	.165	.165	0	%100
3	M2	X	.308	.308	0	%100
4	M2	Z	.534	.534	0	%100
5	M4	X	.325	.325	0	%100
6	M4	Z	.563	.563	0	%100
7	MP1A	X	.294	.294	0	%100
8	MP1A	Z	.509	.509	0	%100
9	MP2A	X	.294	.294	0	%100
10	MP2A	Z	.509	.509	0	%100
11	MP3A	X	.294	.294	0	%100
12	MP3A	Z	.509	.509	0	%100
13	MP4A	X	.294	.294	0	%100
14	MP4A	Z	.509	.509	0	%100
15	M13	X	.22	.22	0	%100
16	M13	Z	.382	.382	0	%100
17	OVP	X	.294	.294	0	%100
18	OVP	Z	.509	.509	0	%100
19	M23	X	.584	.584	0	%100
20	M23	Z	1.012	1.012	0	%100
21	M24	X	.381	.381	0	%100
22	M24	Z	.66	.66	0	%100
23	M25	X	.308	.308	0	%100
24	M25	Z	.534	.534	0	%100
25	M26	X	.003	.003	0	%100
26	M26	Z	.006	.006	0	%100
27	MP1C	X	.294	.294	0	%100
28	MP1C	Z	.509	.509	0	%100
29	MP2C	X	.294	.294	0	%100
30	MP2C	Z	.509	.509	0	%100
31	MP3C	X	.294	.294	0	%100
32	MP3C	Z	.509	.509	0	%100
33	MP4C	X	.294	.294	0	%100
34	MP4C	Z	.509	.509	0	%100
35	M36	X	.002	.002	0	%100
36	M36	Z	.004	.004	0	%100
37	M46	X	.472	.472	0	%100
38	M46	Z	.818	.818	0	%100
39	M47	X	.045	.045	0	%100
40	M47	Z	.077	.077	0	%100
41	M48	X	.308	.308	0	%100
42	M48	Z	.534	.534	0	%100
43	M49	X	.291	.291	0	%100
44	M49	Z	.503	.503	0	%100
45	MP1B	X	.294	.294	0	%100
46	MP1B	Z	.509	.509	0	%100
47	MP2B	X	.294	.294	0	%100
48	MP2B	Z	.509	.509	0	%100
49	MP3B	X	.294	.294	0	%100
50	MP3B	Z	.509	.509	0	%100
51	MP4B	X	.294	.294	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,%]
52	MP4B	Z	.509	.509	0	%100
53	M59	X	.197	.197	0	%100
54	M59	Z	.342	.342	0	%100
55	M69	X	.604	.604	0	%100
56	M69	Z	1.046	1.046	0	%100
57	M70	X	.025	.025	0	%100
58	M70	Z	.043	.043	0	%100
59	M71	X	.074	.074	0	%100
60	M71	Z	.128	.128	0	%100
61	M72	X	.193	.193	0	%100
62	M72	Z	.334	.334	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.617	.617	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	.866	.866	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	.588	.588	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	.588	.588	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	.588	.588	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	.588	.588	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	.588	.588	0	%100
17	OVP	X	0	0	0	%100
18	OVP	Z	.588	.588	0	%100
19	M23	X	0	0	0	%100
20	M23	Z	1.243	1.243	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	.572	.572	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	.617	.617	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	.285	.285	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	.588	.588	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	.588	.588	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	.588	.588	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	.588	.588	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	.193	.193	0	%100
37	M46	X	0	0	0	%100
38	M46	Z	1.019	1.019	0	%100
39	M47	X	0	0	0	%100
40	M47	Z	.448	.448	0	%100
41	M48	X	0	0	0	%100
42	M48	Z	.617	.617	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,%]
43	M49	X	0	0	0	%100
44	M49	Z	.155	.155	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	.588	.588	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	.588	.588	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	.588	.588	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	.588	.588	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	.105	.105	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	1.068	1.068	0	%100
57	M70	X	0	0	0	%100
58	M70	Z	.015	.015	0	%100
59	M71	X	0	0	0	%100
60	M71	Z	.365	.365	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	.153	.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.095	-.095	0	%100
2	M1	Z	.165	.165	0	%100
3	M2	X	-.308	-.308	0	%100
4	M2	Z	.534	.534	0	%100
5	M4	X	-.325	-.325	0	%100
6	M4	Z	.563	.563	0	%100
7	MP1A	X	-.294	-.294	0	%100
8	MP1A	Z	.509	.509	0	%100
9	MP2A	X	-.294	-.294	0	%100
10	MP2A	Z	.509	.509	0	%100
11	MP3A	X	-.294	-.294	0	%100
12	MP3A	Z	.509	.509	0	%100
13	MP4A	X	-.294	-.294	0	%100
14	MP4A	Z	.509	.509	0	%100
15	M13	X	-.22	-.22	0	%100
16	M13	Z	.382	.382	0	%100
17	OVP	X	-.294	-.294	0	%100
18	OVP	Z	.509	.509	0	%100
19	M23	X	-.584	-.584	0	%100
20	M23	Z	1.012	1.012	0	%100
21	M24	X	-.095	-.095	0	%100
22	M24	Z	.165	.165	0	%100
23	M25	X	-.308	-.308	0	%100
24	M25	Z	.534	.534	0	%100
25	M26	X	-.356	-.356	0	%100
26	M26	Z	.616	.616	0	%100
27	MP1C	X	-.294	-.294	0	%100
28	MP1C	Z	.509	.509	0	%100
29	MP2C	X	-.294	-.294	0	%100
30	MP2C	Z	.509	.509	0	%100
31	MP3C	X	-.294	-.294	0	%100
32	MP3C	Z	.509	.509	0	%100
33	MP4C	X	-.294	-.294	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,%]
34	MP4C	Z	.509	.509	0	%100
35	M36	X	-.241	-.241	0	%100
36	M36	Z	.418	.418	0	%100
37	M46	X	-.584	-.584	0	%100
38	M46	Z	1.012	1.012	0	%100
39	M47	X	-.37	-.37	0	%100
40	M47	Z	.641	.641	0	%100
41	M48	X	-.308	-.308	0	%100
42	M48	Z	.534	.534	0	%100
43	M49	X	-.003	-.003	0	%100
44	M49	Z	.006	.006	0	%100
45	MP1B	X	-.294	-.294	0	%100
46	MP1B	Z	.509	.509	0	%100
47	MP2B	X	-.294	-.294	0	%100
48	MP2B	Z	.509	.509	0	%100
49	MP3B	X	-.294	-.294	0	%100
50	MP3B	Z	.509	.509	0	%100
51	MP4B	X	-.294	-.294	0	%100
52	MP4B	Z	.509	.509	0	%100
53	M59	X	-.002	-.002	0	%100
54	M59	Z	.004	.004	0	%100
55	M69	X	-.477	-.477	0	%100
56	M69	Z	.826	.826	0	%100
57	M70	X	-.094	-.094	0	%100
58	M70	Z	.163	.163	0	%100
59	M71	X	-.219	-.219	0	%100
60	M71	Z	.38	.38	0	%100
61	M72	X	-.002	-.002	0	%100
62	M72	Z	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.495	-.495	0	%100
2	M1	Z	.286	.286	0	%100
3	M2	X	-.534	-.534	0	%100
4	M2	Z	.308	.308	0	%100
5	M4	X	-.188	-.188	0	%100
6	M4	Z	.108	.108	0	%100
7	MP1A	X	-.509	-.509	0	%100
8	MP1A	Z	.294	.294	0	%100
9	MP2A	X	-.509	-.509	0	%100
10	MP2A	Z	.294	.294	0	%100
11	MP3A	X	-.509	-.509	0	%100
12	MP3A	Z	.294	.294	0	%100
13	MP4A	X	-.509	-.509	0	%100
14	MP4A	Z	.294	.294	0	%100
15	M13	X	-.127	-.127	0	%100
16	M13	Z	.073	.073	0	%100
17	OVP	X	-.509	-.509	0	%100
18	OVP	Z	.294	.294	0	%100
19	M23	X	-.883	-.883	0	%100
20	M23	Z	.51	.51	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	0	0	0	%100
23	M25	X	-.534	-.534	0	%100
24	M25	Z	.308	.308	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,%]
25	M26	X	-.745	-.745	0	%100
26	M26	Z	.43	.43	0	%100
27	MP1C	X	-.509	-.509	0	%100
28	MP1C	Z	.294	.294	0	%100
29	MP2C	X	-.509	-.509	0	%100
30	MP2C	Z	.294	.294	0	%100
31	MP3C	X	-.509	-.509	0	%100
32	MP3C	Z	.294	.294	0	%100
33	MP4C	X	-.509	-.509	0	%100
34	MP4C	Z	.294	.294	0	%100
35	M36	X	-.505	-.505	0	%100
36	M36	Z	.292	.292	0	%100
37	M46	X	-1.076	-1.076	0	%100
38	M46	Z	.621	.621	0	%100
39	M47	X	-.583	-.583	0	%100
40	M47	Z	.337	.337	0	%100
41	M48	X	-.534	-.534	0	%100
42	M48	Z	.308	.308	0	%100
43	M49	X	-.247	-.247	0	%100
44	M49	Z	.143	.143	0	%100
45	MP1B	X	-.509	-.509	0	%100
46	MP1B	Z	.294	.294	0	%100
47	MP2B	X	-.509	-.509	0	%100
48	MP2B	Z	.294	.294	0	%100
49	MP3B	X	-.509	-.509	0	%100
50	MP3B	Z	.294	.294	0	%100
51	MP4B	X	-.509	-.509	0	%100
52	MP4B	Z	.294	.294	0	%100
53	M59	X	-.167	-.167	0	%100
54	M59	Z	.097	.097	0	%100
55	M69	X	-.848	-.848	0	%100
56	M69	Z	.49	.49	0	%100
57	M70	X	-.342	-.342	0	%100
58	M70	Z	.198	.198	0	%100
59	M71	X	-.255	-.255	0	%100
60	M71	Z	.147	.147	0	%100
61	M72	X	-.075	-.075	0	%100
62	M72	Z	.043	.043	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.763	-.763	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.617	-.617	0	%100
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	MP1A	X	-.588	-.588	0	%100
8	MP1A	Z	0	0	0	%100
9	MP2A	X	-.588	-.588	0	%100
10	MP2A	Z	0	0	0	%100
11	MP3A	X	-.588	-.588	0	%100
12	MP3A	Z	0	0	0	%100
13	MP4A	X	-.588	-.588	0	%100
14	MP4A	Z	0	0	0	%100
15	M13	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,%]
16	M13	Z	0	0	0	%100
17	OVP	X	-.588	-.588	0	%100
18	OVP	Z	0	0	0	%100
19	M23	X	-.945	-.945	0	%100
20	M23	Z	0	0	0	%100
21	M24	X	-.191	-.191	0	%100
22	M24	Z	0	0	0	%100
23	M25	X	-.617	-.617	0	%100
24	M25	Z	0	0	0	%100
25	M26	X	-.581	-.581	0	%100
26	M26	Z	0	0	0	%100
27	MP1C	X	-.588	-.588	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	-.588	-.588	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	-.588	-.588	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	-.588	-.588	0	%100
34	MP4C	Z	0	0	0	%100
35	M36	X	-.394	-.394	0	%100
36	M36	Z	0	0	0	%100
37	M46	X	-1.168	-1.168	0	%100
38	M46	Z	0	0	0	%100
39	M47	X	-.315	-.315	0	%100
40	M47	Z	0	0	0	%100
41	M48	X	-.617	-.617	0	%100
42	M48	Z	0	0	0	%100
43	M49	X	-.712	-.712	0	%100
44	M49	Z	0	0	0	%100
45	MP1B	X	-.588	-.588	0	%100
46	MP1B	Z	0	0	0	%100
47	MP2B	X	-.588	-.588	0	%100
48	MP2B	Z	0	0	0	%100
49	MP3B	X	-.588	-.588	0	%100
50	MP3B	Z	0	0	0	%100
51	MP4B	X	-.588	-.588	0	%100
52	MP4B	Z	0	0	0	%100
53	M59	X	-.483	-.483	0	%100
54	M59	Z	0	0	0	%100
55	M69	X	-1.12	-1.12	0	%100
56	M69	Z	0	0	0	%100
57	M70	X	-.43	-.43	0	%100
58	M70	Z	0	0	0	%100
59	M71	X	-.077	-.077	0	%100
60	M71	Z	0	0	0	%100
61	M72	X	-.319	-.319	0	%100
62	M72	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.495	-.495	0	%100
2	M1	Z	-.286	-.286	0	%100
3	M2	X	-.534	-.534	0	%100
4	M2	Z	-.308	-.308	0	%100
5	M4	X	-.188	-.188	0	%100
6	M4	Z	-.108	-.108	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,%]
7	MP1A	X	-.509	-.509	0	%100
8	MP1A	Z	-.294	-.294	0	%100
9	MP2A	X	-.509	-.509	0	%100
10	MP2A	Z	-.294	-.294	0	%100
11	MP3A	X	-.509	-.509	0	%100
12	MP3A	Z	-.294	-.294	0	%100
13	MP4A	X	-.509	-.509	0	%100
14	MP4A	Z	-.294	-.294	0	%100
15	M13	X	-.127	-.127	0	%100
16	M13	Z	-.073	-.073	0	%100
17	OVP	X	-.509	-.509	0	%100
18	OVP	Z	-.294	-.294	0	%100
19	M23	X	-.883	-.883	0	%100
20	M23	Z	-.51	-.51	0	%100
21	M24	X	-.495	-.495	0	%100
22	M24	Z	-.286	-.286	0	%100
23	M25	X	-.534	-.534	0	%100
24	M25	Z	-.308	-.308	0	%100
25	M26	X	-.134	-.134	0	%100
26	M26	Z	-.077	-.077	0	%100
27	MP1C	X	-.509	-.509	0	%100
28	MP1C	Z	-.294	-.294	0	%100
29	MP2C	X	-.509	-.509	0	%100
30	MP2C	Z	-.294	-.294	0	%100
31	MP3C	X	-.509	-.509	0	%100
32	MP3C	Z	-.294	-.294	0	%100
33	MP4C	X	-.509	-.509	0	%100
34	MP4C	Z	-.294	-.294	0	%100
35	M36	X	-.091	-.091	0	%100
36	M36	Z	-.052	-.052	0	%100
37	M46	X	-.883	-.883	0	%100
38	M46	Z	-.51	-.51	0	%100
39	M47	X	-.02	-.02	0	%100
40	M47	Z	-.011	-.011	0	%100
41	M48	X	-.534	-.534	0	%100
42	M48	Z	-.308	-.308	0	%100
43	M49	X	-.745	-.745	0	%100
44	M49	Z	-.43	-.43	0	%100
45	MP1B	X	-.509	-.509	0	%100
46	MP1B	Z	-.294	-.294	0	%100
47	MP2B	X	-.509	-.509	0	%100
48	MP2B	Z	-.294	-.294	0	%100
49	MP3B	X	-.509	-.509	0	%100
50	MP3B	Z	-.294	-.294	0	%100
51	MP4B	X	-.509	-.509	0	%100
52	MP4B	Z	-.294	-.294	0	%100
53	M59	X	-.505	-.505	0	%100
54	M59	Z	-.292	-.292	0	%100
55	M69	X	-1.068	-1.068	0	%100
56	M69	Z	-.617	-.617	0	%100
57	M70	X	-.222	-.222	0	%100
58	M70	Z	-.128	-.128	0	%100
59	M71	X	-.003	-.003	0	%100
60	M71	Z	-.002	-.002	0	%100
61	M72	X	-.406	-.406	0	%100
62	M72	Z	-.235	-.235	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.095	-.095	0	%100
2	M1	Z	-.165	-.165	0	%100
3	M2	X	-.308	-.308	0	%100
4	M2	Z	-.534	-.534	0	%100
5	M4	X	-.325	-.325	0	%100
6	M4	Z	-.563	-.563	0	%100
7	MP1A	X	-.294	-.294	0	%100
8	MP1A	Z	-.509	-.509	0	%100
9	MP2A	X	-.294	-.294	0	%100
10	MP2A	Z	-.509	-.509	0	%100
11	MP3A	X	-.294	-.294	0	%100
12	MP3A	Z	-.509	-.509	0	%100
13	MP4A	X	-.294	-.294	0	%100
14	MP4A	Z	-.509	-.509	0	%100
15	M13	X	-.22	-.22	0	%100
16	M13	Z	-.382	-.382	0	%100
17	OVP	X	-.294	-.294	0	%100
18	OVP	Z	-.509	-.509	0	%100
19	M23	X	-.584	-.584	0	%100
20	M23	Z	-1.012	-1.012	0	%100
21	M24	X	-.381	-.381	0	%100
22	M24	Z	-.66	-.66	0	%100
23	M25	X	-.308	-.308	0	%100
24	M25	Z	-.534	-.534	0	%100
25	M26	X	-.003	-.003	0	%100
26	M26	Z	-.006	-.006	0	%100
27	MP1C	X	-.294	-.294	0	%100
28	MP1C	Z	-.509	-.509	0	%100
29	MP2C	X	-.294	-.294	0	%100
30	MP2C	Z	-.509	-.509	0	%100
31	MP3C	X	-.294	-.294	0	%100
32	MP3C	Z	-.509	-.509	0	%100
33	MP4C	X	-.294	-.294	0	%100
34	MP4C	Z	-.509	-.509	0	%100
35	M36	X	-.002	-.002	0	%100
36	M36	Z	-.004	-.004	0	%100
37	M46	X	-.472	-.472	0	%100
38	M46	Z	-.818	-.818	0	%100
39	M47	X	-.045	-.045	0	%100
40	M47	Z	-.077	-.077	0	%100
41	M48	X	-.308	-.308	0	%100
42	M48	Z	-.534	-.534	0	%100
43	M49	X	-.291	-.291	0	%100
44	M49	Z	-.503	-.503	0	%100
45	MP1B	X	-.294	-.294	0	%100
46	MP1B	Z	-.509	-.509	0	%100
47	MP2B	X	-.294	-.294	0	%100
48	MP2B	Z	-.509	-.509	0	%100
49	MP3B	X	-.294	-.294	0	%100
50	MP3B	Z	-.509	-.509	0	%100
51	MP4B	X	-.294	-.294	0	%100
52	MP4B	Z	-.509	-.509	0	%100
53	M59	X	-.197	-.197	0	%100
54	M59	Z	-.342	-.342	0	%100
55	M69	X	-.604	-.604	0	%100
56	M69	Z	-1.046	-1.046	0	%100
57	M70	X	-.025	-.025	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,%]
58	M70	Z	-.043	-.043	0	%100
59	M71	X	-.074	-.074	0	%100
60	M71	Z	-.128	-.128	0	%100
61	M72	X	-.193	-.193	0	%100
62	M72	Z	-.334	-.334	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	N1	max	1063.618	11	1461.967	1	2209.133	1	1.26	7	2.734	11	1.878	3
2		min	-1065.032	5	-2678.924	7	-3888.694	7	-.746	1	-2.725	5	-3.412	33
3	N47	max	27.907	10	3665.46	19	2036.182	19	0	51	0	47	0	47
4		min	-26.985	4	-569.376	1	-291.294	1	0	1	-.001	29	0	29
5	N49	max	1752.558	10	1289.472	9	1936.147	2	1.433	10	2.505	5	.638	8
6		min	-3205.22	4	-2482.502	3	-1092.843	8	-1.072	4	-2.525	11	-1.454	2
7	N95	max	1601.953	15	3334.623	15	112.311	9	0	5	0	5	0	11
8		min	-194.554	9	-451.028	9	-924.91	15	0	11	0	11	0	5
9	N97	max	2836.179	11	1382.65	5	2337.893	12	1.382	4	3.059	3	1.125	12
10		min	-1671.682	5	-2460.546	11	-1335.338	6	-2.043	10	-3.054	9	-1.087	6
11	N143	max	204.561	5	3296.646	11	180.435	5	0	9	0	3	0	9
12		min	-1391.056	23	-534.826	5	-1169.03	23	0	3	0	9	0	3
13	Totals:	max	4215.525	10	5161.204	16	3964.177	1						
14		min	-4215.454	4	2590.967	10	-3964.187	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
1	M1	HSS4X4X4	.289	2.034	8	.287	2....	y	33	135171...	1395..	16.181	16.181	...	H1-...
2	M2	PIPE_4.0	.000	.75	8	.000	.75		5	92571....	93240	10.631	10.631	...	H1-...
3	M4	PIPE_3.0	.563	6.25	8	.384	6.25		7	28250....	65205	5.749	5.749	...	H3-6
4	MP1A	PIPE_2.0	.314	5.167	1	.096	5....		10	14916....	32130	1.872	1.872	...	H1-...
5	MP2A	PIPE_2.0	.633	5.167	1	.130	1....		9	14916....	32130	1.872	1.872	...	H1-...
6	MP3A	PIPE_2.0	.529	5.167	7	.058	5....		8	14916....	32130	1.872	1.872	...	H1-...
7	MP4A	PIPE_2.0	.393	5.167	8	.087	1....		8	14916....	32130	1.872	1.872	...	H1-...
8	M13	PIPE_2.0	.345	4.427	31	.093	7....		8	6295.4...	32130	1.872	1.872	...	H1-...
9	OVP	PIPE_2.0	.147	3.188	4	.018	3....		4	20866....	32130	1.872	1.872	...	H1-...
10	M23	LL2.5x2.5x3x3	.094	4.16	19	.007	4.16	y	30	44635....	58320	3.954	2.55	1	H1-...
11	M24	HSS4X4X4	.283	2.034	4	.150	2....	y	2	135171...	1395..	16.181	16.181	...	H1-...
12	M25	PIPE_4.0	.000	.75	1	.000	.75		1	92571....	93240	10.631	10.631	...	H1-...
13	M26	PIPE_3.0	.547	6.25	4	.362	6.25		3	28250....	65205	5.749	5.749	...	H3-6
14	MP1C	PIPE_2.0	.281	5.167	9	.063	5....		5	14916....	32130	1.872	1.872	...	H1-...
15	MP2C	PIPE_2.0	.603	5.167	3	.124	5.25		1	14916....	32130	1.872	1.872	...	H1-...
16	MP3C	PIPE_2.0	.499	5.167	3	.061	5....		11	14916....	32130	1.872	1.872	...	H1-...
17	MP4C	PIPE_2.0	.404	5.167	10	.082	5....		10	14916....	32130	1.872	1.872	...	H1-...
18	M36	PIPE_2.0	.249	4.557	4	.119	11...		2	6295.4...	32130	1.872	1.872	...	H1-...
19	M46	LL2.5x2.5x3x3	.085	4.16	15	.004	4.16	z	5	44635....	58320	3.954	2.55	1	H1-...
20	M47	HSS4X4X4	.265	2.034	11	.189	2....	y	10	135171...	1395..	16.181	16.181	...	H1-...
21	M48	PIPE_4.0	.000	.75	9	.000	.75		9	92571....	93240	10.631	10.631	...	H1-...
22	M49	PIPE_3.0	.526	6.25	5	.363	6.25		11	28250....	65205	5.749	5.749	...	H3-6
23	MP1B	PIPE_2.0	.276	5.417	5	.088	5....		11	14916....	32130	1.872	1.872	...	H1-...

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
24	MP2B	PIPE_2.0	.603	5.417	11	.128	1....		7	14916....	32130	1.872	1.872	...	H1-...
25	MP3B	PIPE_2.0	.519	5.417	5	.067	5....		10	14916....	32130	1.872	1.872	...	H1-...
26	MP4B	PIPE_2.0	.391	5.417	6	.082	1....		6	14916....	32130	1.872	1.872	...	H1-...
27	M59	PIPE_2.0	.225	4.557	12	.136	11...		11	6295.4...	32130	1.872	1.872	...	H1-...
28	M69	LL2.5x2.5x3x3	.084	0	11	.004	4.16	z	3	44635....	58320	3.954	2.55	...	H1-...
29	M70	PIPE_2.0	.007	0	8	.164	0		11	30066....	32130	1.872	1.872	...	H1-...
30	M71	PIPE_2.0	.005	0	12	.138	2....		2	30130....	32130	1.872	1.872	...	H1-...
31	M72	PIPE_2.0	.007	2.846	4	.126	0		6	29156....	32130	1.872	1.872	...	H1-...

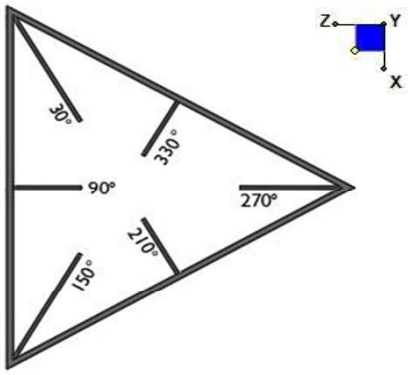
Client:	Verizon Wireless	Date:	5/18/2021
Site Name:	Watertown NE CT - American Tower		
Project No.	21777471A		
Title:	Antenna Mount Analysis - Mount	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

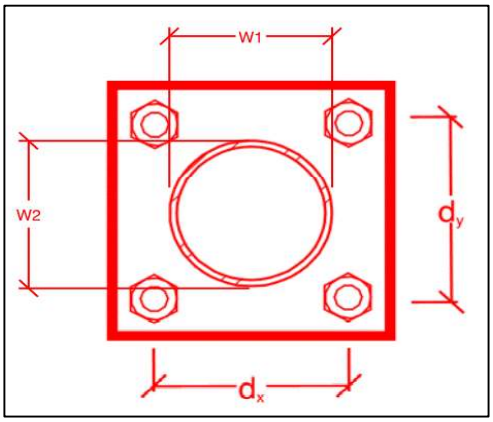
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N1	90
N49	210
N97	330



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	14.1
Required Shear Strength (kips):	14.9
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**17.1%***
Shear Capacity Overall:	**30.0%**



**Note: Tension reduction not required if tension or shear capacity < 30%*

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	8
Plate Height (in):	8
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	2.04
Plate Bending Capacity:	**22.2%**
Weld Capacity:	**36.7%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	3.1
Phi*Mn_{xx} *(kip-in)* :	36.5
Mu_{yy} *(kip-in)* :	5.0
Phi*Mn_{yy} *(kip-in)* :	36.5

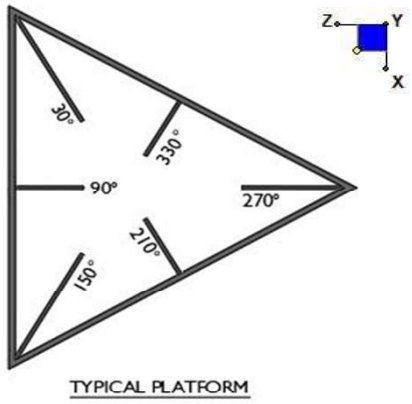
Client:	Verizon Wireless	Date:	5/18/2021
Site Name:	Watertown NE CT - American Tower		
Project No.	21777471A		
Title:	Antenna Mount Analysis - Kickers	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

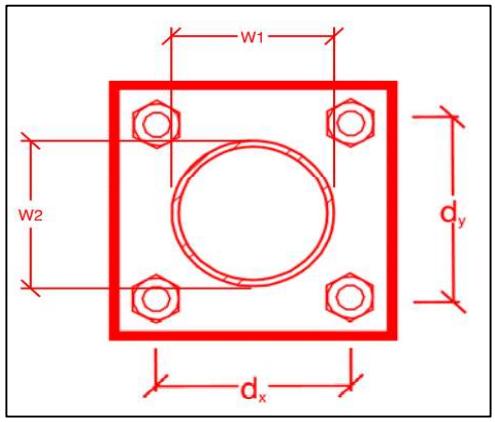
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N47	90
N95	210
N143	330



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	2.0
Required Shear Strength (kips):	3.7
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**2.5%***
Shear Capacity Overall:	**7.4%**



**Note: Tension reduction not required if tension or shear capacity < 30%*

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	8
Plate Height (in):	8
W1 (in):	0.5
W2 (in):	8
Fy (ksi, plate):	36
t_{Plate} (in):	0.5
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	0.25
Plate Bending Capacity:	**14.3%**
Weld Capacity:	**4.4%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	0.0
Phi*Mn_{xx} *(kip-in)* :	16.2
Mu_{yy} *(kip-in)* :	2.3
Phi*Mn_{yy} *(kip-in)* :	16.2

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Purpose – to provide Maser Consulting Connecticut 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:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- 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.
- The photos in the file structure should be uploaded to ***https://pmi.vzwsmart.com*** as depicted on the drawings

Photo Requirements:

- *Base and "During Installation Photos"*
  - Base pictures include
    - Photo of Gate Signs showing the tower owner, site name, and number
    - Photo of carrier shelter showing the carrier site name and number if available
    - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
  - "During Installation Photos if provided - must be placed only in this folder
- *Photos taken at ground level*
  - Overall tower structure before and after installation of the equipment modifications
  - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed
- *Photos taken at Mount Elevation*
  - Photos showing each individual sector before and also after installation of equipment.

- These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
- Photos showing the safety climb wire rope above and below the mount prior to modification.
- Photos showing the climbing facility and safety climb if present.

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.

☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor shall install proposed ovp on existing equipment mount pipe that is on Alpha standoff. Contractor shall attach proposed ovp 19" from top of mount pipe. Contractor to install safety climb cable guide (Site Pro 1, Part #:120-203-317 or EOR equivalent) in locations where wire rope is rubbing against mount to tower attachments. Contractor to provide photos of safety climb guide installation.

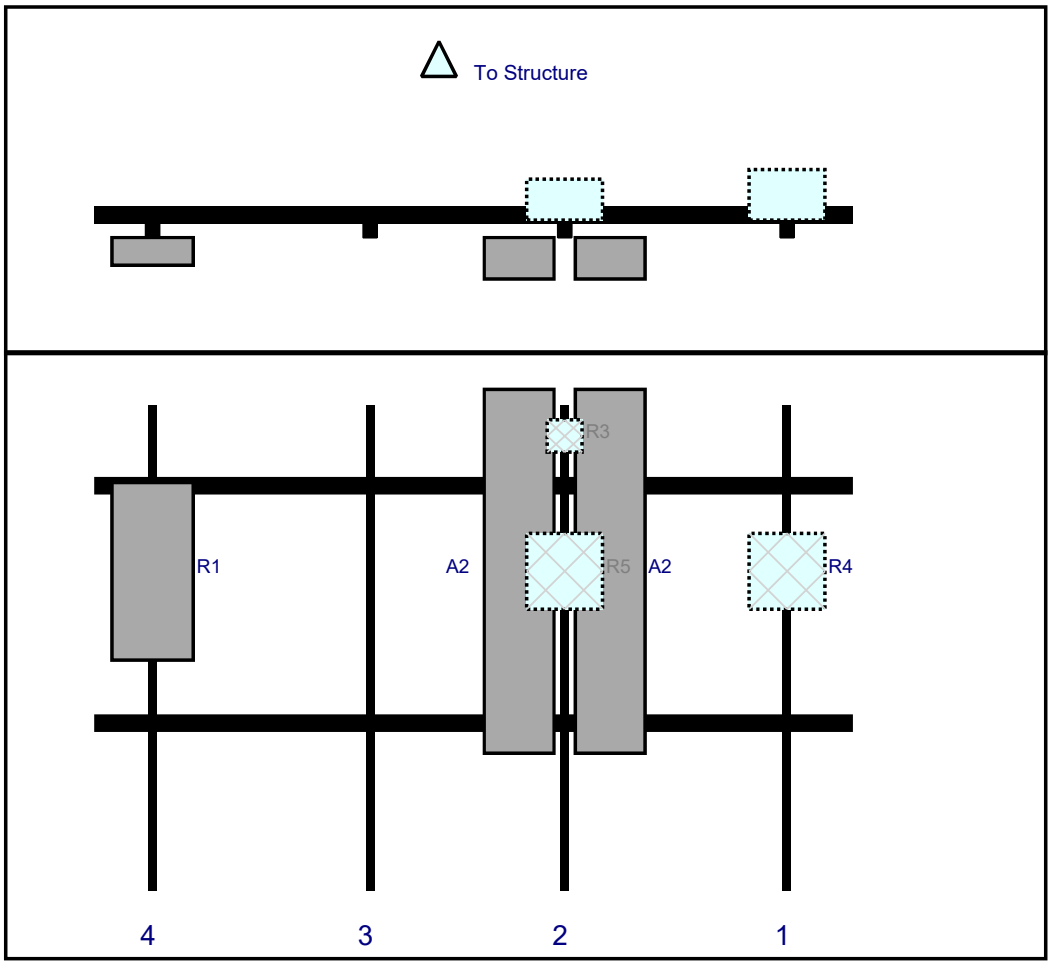
Response:

Schedule A – Photo & Document File Structure

- VzW Site Number / Name
  - Base & "During Installation" Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety climb – If Present
  - Certifications – Submission of this document including certifications
  - Specific Required Additional Photos

Plan View

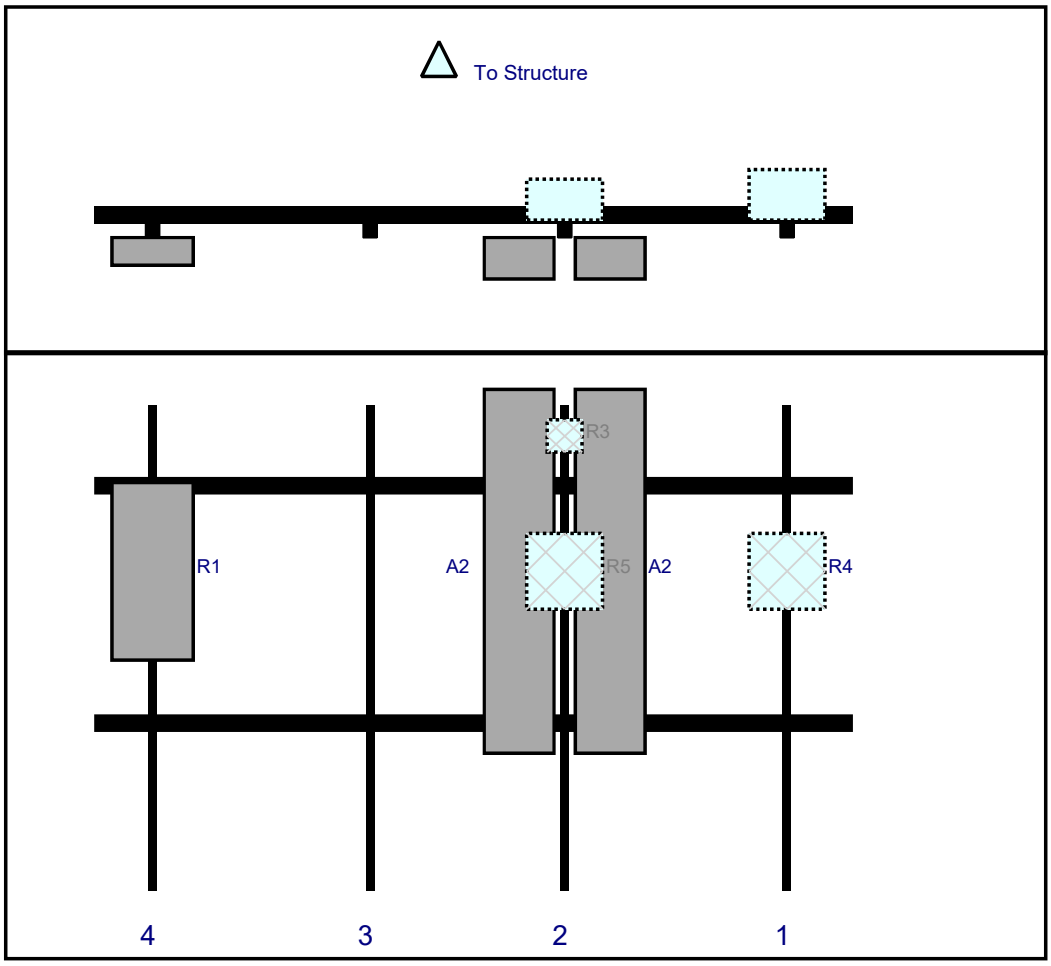
Front View
Looking at Structure



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
R4	B2/B66A RRH-BR049	15	15	137	1	a	Behind	32.76	0	Added	
A2	JAHH-65B-R3B	72	13.8	93	2	a	Front	32.76	9	Retained	04/02/2021
A2	JAHH-65B-R3B	72	13.8	93	2	b	Front	32.76	-9	Retained	04/02/2021
R3	CBC78T-DS-43-2X	6.4	6.9	93	2	a	Behind	6	0	Added	
R5	B5/B13 RRH-BR04C	15	15	93	2	a	Behind	32.76	0	Added	
R1	MT6407-77A	35.1	16.1	11.5	4	a	Front	32.76	0	Added	

Plan View

Front View
Looking at Structure



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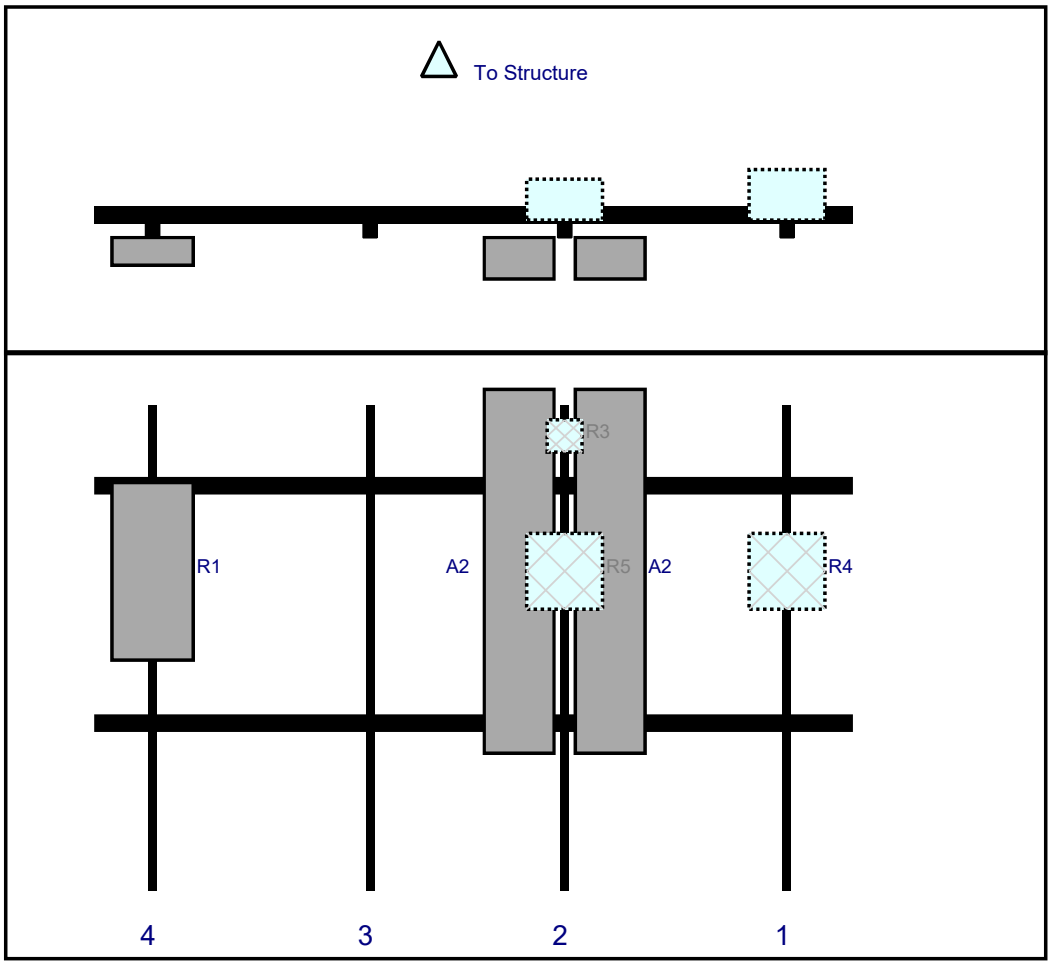
A2	JAHH-65B-R3B	72	13.8	93	2	a	Front	32.76	9	Retained	04/02/2021
A2	JAHH-65B-R3B	72	13.8	93	2	b	Front	32.76	-9	Retained	04/02/2021
R3	CBC78T-DS-43-2X	6.4	6.9	93	2	a	Behind	6	0	Added	
R5	B5/B13 RRH-BR04C	15	15	93	2	a	Behind	32.76	0	Added	
R1	MT6407-77A	35.1	16.1	11.5	4	a	Front	32.76	0	Added	

Plan View

Front View
Looking at Structure



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R5	B5/B13 RRH-BR04C	15	15	93	2	a	Behind	32.76	0	Added	
R1	MT6407-77A	35.1	16.1	11.5	4	a	Front	32.76	0	Added	

Maser Consulting Connecticut

MASER CONSULTING
— CONNECTICUT —

Subject		TIA-222-H Usage
Site Information	Site ID:	470386-VZW / WATERTOWN NE CT - American Tower
	Site Name:	WATERTOWN NE CT - American Tower
	Carrier Name:	Verizon Wireless
	Address:	655 Bassett Rd Watertown, Connecticut 06795 Litchfield County
	Latitude:	41.65707778°
	Longitude:	-73.13626111°
Structure Information	Tower Type:	Monopole
	Mount Type:	12.50-Ft T-Arm

FUZE ID # 16272135

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed map by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling method, seismic analysis, 30-degree increment wind direction and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Derek Hartzell, PE
Technical Specialist

Site Name: ***WATERTOWN NE CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	634	2534	114	0.0070	0.5007	1.40%
VZW Cellular	874	4	725	2902	114	0.0080	0.5827	1.38%
VZW PCS	1975	4	1579	6317	114	0.0175	1.0000	1.75%
VZW AWS	2120	4	1623	6494	114	0.0180	1.0000	1.80%
VZW CBAND	3730.08	4	6531	26125	114	0.0723	1.0000	7.23%
Total Percentage of Maximum Permissible Exposure								13.55%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power

Absolute worst case maximum values used.

655 Bassett

Search Results

Parcel Details

GUSTAFSON FRANK E (EST) ET AL

655 BASSETT RD
WATERTOWN, CT 67951139

Parcel ID: 15 25 3
Lot Size (AC): 51.5
Parcel Value:

Links | Abutters

Record Card
Photo
Google Map
Abutter Distance:

Add Parcel
Remove Parcel
Print Labels
Export List

Adjacent

Adjacent
50 ft
100 ft
200 ft
300 ft
400 ft

Parcel ID 15 25 3

Map 15

Email Map Link

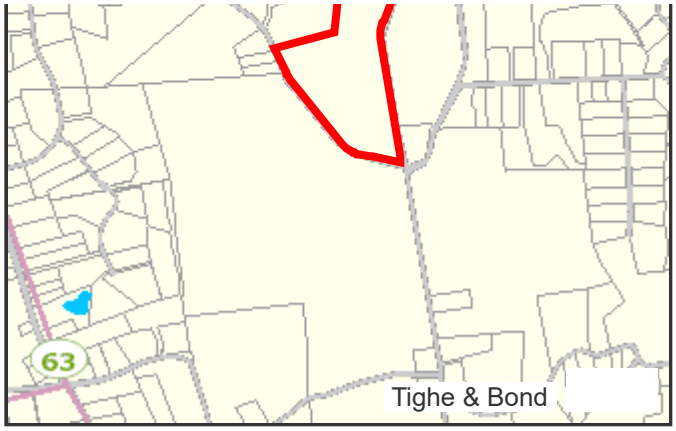
Copy and paste the following string into an email to link to the current map view:

0.2km
1000ft

Close

Print Map

Tighe&Bond



Scale: 1" = 1000 ft.

Close Print

lat:41.6523, long:-73.1469

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2018.

Information on the Property Records for the Municipality of Watertown was last updated on 7/2/2021.

Parcel Information

Location:	655 BASSETT RD	Property Use:	Residential	Primary Use:	Residential
Unique ID:	003592	Map Block Lot:	15 25 3	Acres:	52.50
490 Acres:	49.47	Zone:	R90	Volume / Page:	2135/ 139
Developers Map / Lot:		Census:	3602		

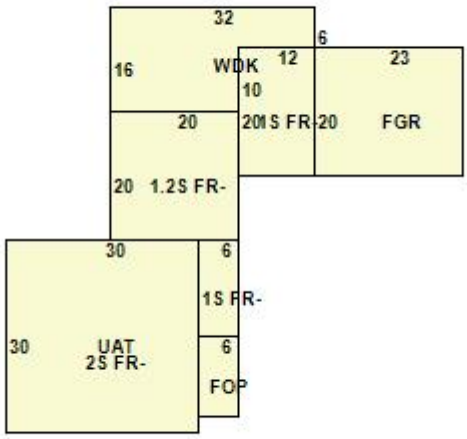
Value Information

	Appraised Value	Assessed Value
Land	525,200	251,020
Buildings	165,900	116,100
Detached Outbuildings	10,000	7,100
Total	701,100	374,220

Owner's Information

Owner's Data
GUSTAFSON FRANK E (EST) ET AL 655 BASSETT RD WATERTOWN CT 06795-1139

Building 1



Building Use:	Single Family	Style:	Old Style	Living Area:	2,610
Stories:	2.00	Construction:	Wood Frame	Year Built:	1840
Total Rooms:	9	Bedrooms:	4	Full Baths:	1

Half Baths:	0	Fireplaces:	1	Heating:	Hot Air No Duct
Fuel:	Oil	Cooling Percent:	0	Basement Garages:	0
Roof Material:	Asphalt	Siding:	Vinyl Siding	Units:	

Special Features

Fireplace FPL	1
Generator	1
Unfinished Basement	990

Attached Components

Type:	Year Built:	Area:
Unfinished Attic	1840	900
Wood Deck	1840	392
Frame Garage	1840	460
Open Porch	1840	78

Detached Outbuildings

Type:	Year Built:	Length:	Width:	Area:
1 Story Barn	1880	0.00	0.00	1,628
Pole Barn All Walls	1840	0.00	0.00	770
Frame Shed	1980	0.00	0.00	140

Owner History - Sales

Owner Name	Volume	Page	Sale Date	Deed Type	Sale Price

Owner Name	Volume	Page	Sale Date	Deed Type	Sale Price
GUSTAFSON FRANK E (EST) ET AL	2135	139	06/03/2020	Other	$1,040,284
GUSTAFSON FRANK E EST/FRANK E JR &	0971	0118	11/18/1999		$0
GUSTAFSON FRANK E (EST) ET AL	0971	0118	11/18/1999		$0
GUSTAFSON EDWARD	0879	0001	01/12/1998		$0

Building Permits

Permit Number	Permit Type	Date Opened	Reason
66518	Other	10/22/2013	GENERATOR