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

October 20, 2021

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

RE: Notice of Exempt Modification // Site: BARKHAMSTED W CT (ATC: 411177)
14 OLD NORTH ROAD, BARKHAMSTED, CT 06063
N 41.914525 // W -73.02231

Dear Ms. Bachman,

Cellco Partnership d/b/a Verizon Wireless currently maintains twelve (12) antenna at the 145-ft level on the existing 144ft Monopole tower, located at 14 Old North Road, Barkhemsted, CT. The tower is owned by American Tower. The property is also owned by John N & Ethel C Lavieri . The Council approved Verizon Wireless use of the existing tower on November 3, 2005. Verizon Wireless now intends to remove six (6) antenna, three (3) RRH's, one (a) OVP and associated cables and install nine (9) new antenna for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless intends to install six (6) new Remote Radio Heads (RRHs), one (1) OVP and associated cabling; 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 Donald S. Stein, First Selectman, its Building Official, James Koplar, American Tower, the tower owner, and the property owner, John & Ethel Lavieri.

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 September 17, 2021, by Dewberry Engineers Inc., a structural analysis dated August 27, 2021, by American Tower Corporation, and a structural mount analysis by Maser Consulting Connecticut date July 2, 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 American Tower Corporation, dated August 27, 2021, and a structural mount analysis by Maser Consulting Connecticut, dated July 2, 2021, pursuant to certain conditions defined therein. Design and engineering are fully illustrated within final construction drawings, signed and stamped dated September 17, 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

_____

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

Attachments
cc: Donald S. Stein – First Selectman – Chief Elected Official
James Koplar, Building Official- as P&Z official
American Tower Corporation - as tower owner
John & Ethel Lavieri – as ground owner

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. **GETTING YOUR SHIPMENT TO UPS**
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   Your driver will pickup your shipment(s) as usual.

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   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.
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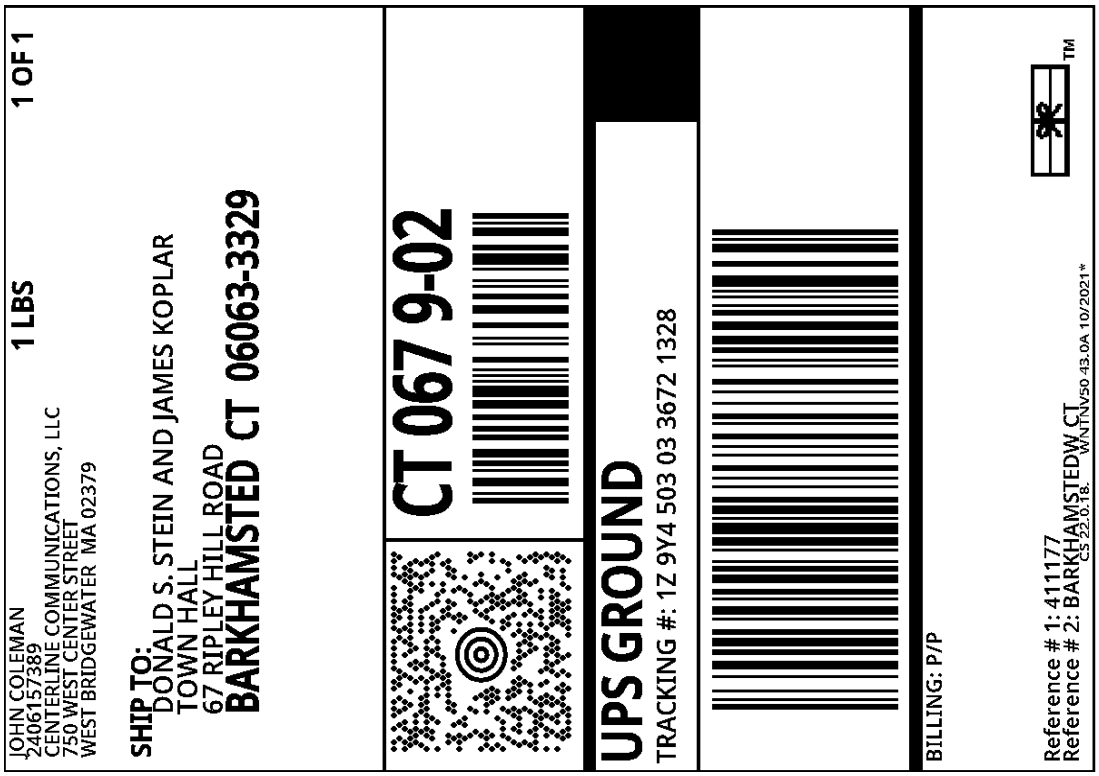

From: UPS
To: John Coleman
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030336721328
Date: Monday, October 25, 2021 9:36:07 AM

Hello, your package has been delivered.

Delivery Date: Monday, 10/25/2021
Delivery Time: 9:34 AM
Left At: OFFICE
Signed by: KRAUSE

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030336721328
Ship To:	TOWN HALL 67 RIPLEY HILL ROAD BARKHAMSTED, CT 060633329 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	0.5 LBS
Reference Number:	411177
Reference Number:	BARKHAMSTEDW CT

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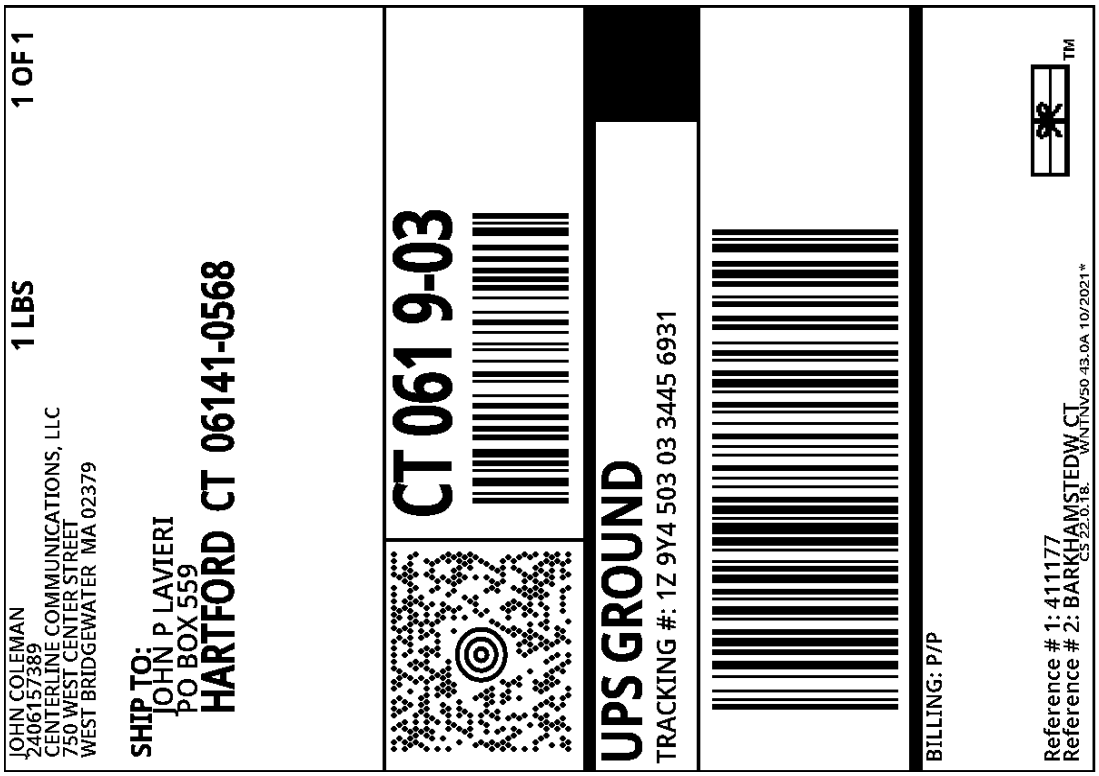


From: UPS
To: John Coleman
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030334456931
Date: Tuesday, November 2, 2021 10:15:48 AM

Hello, your package has been delivered.

Delivery Date: Tuesday, 11/02/2021
Delivery Time: 10:08 AM
Left At: RECEIVER
Signed by: FONTES

Set Delivery Instructions | Manage Preferences | View My Packages

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030334456931
Ship To:	JOHN P LAVIERI 750 W CENTER ST WEST BRIDGEWATER, MA 02379 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	0.5 LBS
Reference Number:	411177
Reference Number:	BARKHAMSTEDW CT

Download the UPS mobile app

DOCKET NO. 305 - Cellco Partnership d/b/a Verizon Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a wireless telecommunications facility located at 5 Old Farm Road or 8 Old New Hartford Road, Barkhamsted, Connecticut.	} } }	Connecticut Siting Council November 3, 2005

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes **§** 16-50k, be issued to Cellco Partnership d/b/a Verizon Wireless, hereinafter referred to as the Certificate Holder, for a telecommunications facility at 5 Old Farm Road, Barkhamsted, Connecticut. The Council denies certification of the proposed 8 Old New Hartford Road site in Barkhamsted, Connecticut.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of Verizon Wireless and New Cingular Wireless PCS, LLC and other entities, both public and private, but such tower shall not exceed a height of 145 feet above ground level. Antennas mounted on the tower shall not exceed a height of 147 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 Barkhamsted 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 building, access road, utility line, and landscaping; and

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

3. Prior to submission of the D&M Plan to the Council, the Certificate Holder shall discuss the appropriateness of a stealth tree tower design at this site with the Town of Barkhamsted. The Town and Certificate Holder shall agree upon the final tower design.

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

5. 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.

6. 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.

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

8. If the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.

9. 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.

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

11. Any request for extension of the time periods referred to in Conditions 8 & 9 shall be filed with the Council not later than sixty days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Barkhamsted. Any proposed modifications to this Decision and Order shall likewise be so served.

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

Pursuant to General Statutes § 16-50p, the Council hereby directs that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Hartford Courant.

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.

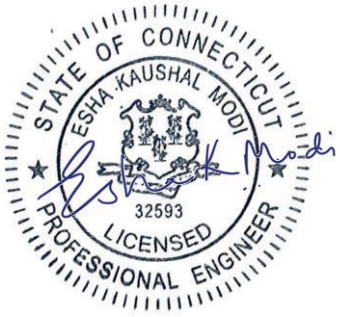
The parties and intervenors to this proceeding are:

Certificate Holder	**Its Representative**
Cellco Partnership d/b/a Verizon Wireless	Sandy Carter, Regulatory Manager Verizon Wireless 99 East River Drive East Hartford, CT 06108 Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103-3597
Intervenor	**Its Representative**
New Cingular Wireless PCS, LLC	Christopher B. Fisher, Esq. Cuddy & Feder LLP 90 Maple Avenue White Plains, NY 10601

AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	**144 ft Monopole**
ATC Site Name	:	**BARKHAMSTEDW CT, CT**
ATC Site Number	:	**411177**
Engineering Number	:	**13714920_C3_02**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**BARKHAMSTED WEST**
Carrier Site Number	:	**468464**
Site Location	:	**14 Old North Road** **Barkhamsted, CT 06063-3440** **41.9145, -73.0222**
County	:	**Litchfield**
Date	:	**August 27, 2021**
Max Usage	:	**72%**
Result	:	**Pass**



Prepared By:

Nathan Lyle
Structural Engineer

Nathan Lyle

Reviewed By:

Authorized by "EOR"
27 Aug 2021 10:00:53 cosign

COA : PEC.0001553

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 144 ft Monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	EEI Project #13841, dated December 8, 2005
Foundation Drawing	EEI Project #13841, dated December 8, 2005
Geotechnical Report	JGI Project #05704G, dated November 30, 2005
Modifications	Centeck Project #12063.CO32 Rev. 1, dated November 29, 2012
Mount Analysis	Maser Consulting Connecticut Report #21777223A, dated July 2, 2021

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:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	Ss = 0.17, S_1 = 0.05
Site Class:	D - Stiff Soil - Default

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
146.0	1	VZW Unused Reserve (7555.68 sqin)	Triangular Low Profile Platform	(9) 1 5/8" Coax	VERIZON WIRELESS
145.0	6	Antel LPA-80080/4CF ___			
134.0	3	Ericsson RRUS 4478 B14	Triangular Platform with Handrails	(2) 0.39" (10mm) Fiber Trunk (4) 0.78" (19.7mm) 8 AWG 6 (6) 1 5/8" Coax (2) 2" conduit (3) 3/8" Coax	AT&T MOBILITY
	3	Ericsson RRUS 4449 B5, B12			
	3	Powerwave Allgon 7770.00			
	1	CCI DMP65R-BU4D			
	1	CCI OPA65R-BU4DA-K			
	2	CCI DMP65R-BU6DA			
	2	CCI OPA65R-BU6D			
	2	Raycap DC6-48-60-18-8F(32.8 lbs)			
	6	Powerwave Allgon LGP21401			
	3	Powerwave Allgon LGP13519			
125.0	3	Ericsson KRY 112 144/1	T-Arm	(18) 1 5/8" Coax	T-MOBILE
	3	Ericsson KRY 112 71			
	6	RFS APX16DWV-16DWV-S-E-ACU			
	3	Commscope LNX-6515DS-VTM			
	3	Kathrein Scala Smart Bias Tee			

Equipment to be Removed

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
146.0	3	Antel BXA-70063/6CF (5" depth)	-	(9) 1 5/8" Coax	VERIZON WIRELESS
	3	Antel BXA-171063/12CF__2 FP			

Proposed Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
145.0	3	Samsung B5/B13 RRH-BR04C	Triangular Low Profile Platform	(1) 2.02 (51.2mm) Hybrid	VERIZON WIRELESS
	3	Samsung B2/B66A RRH-BR049			
	1	RFS DB-C1-12C-24AB-0Z			
	3	Samsung MT6407-77A			
	6	Quintel QS6656-5D			

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

Install proposed lines inside the pole shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	52%	Pass
Shaft	62%	Pass
Base Plate	44%	Pass
Reinforcement	72%	Pass

Foundations

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	2530.5	3416.2	2196.3	64%
Shear (Kips)	24.2	32.7	20.1	61%
* The design reactions are factored by 1.35 per ANSI/TIA-222-H, Sec. 15.6.2				

The structure base reactions resulting from this analysis are acceptable when compared to those shown on the original structure drawings, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
145.0	Samsung B5/B13 RRH-BR04C	VERIZON WIRELESS	1.625	1.330
	Samsung B2/B66A RRH-BR049			
	Quintel QS6656-5D			
	Samsung MT6407-77A			
	RFS DB-C1-12C-24AB-0Z			

***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.

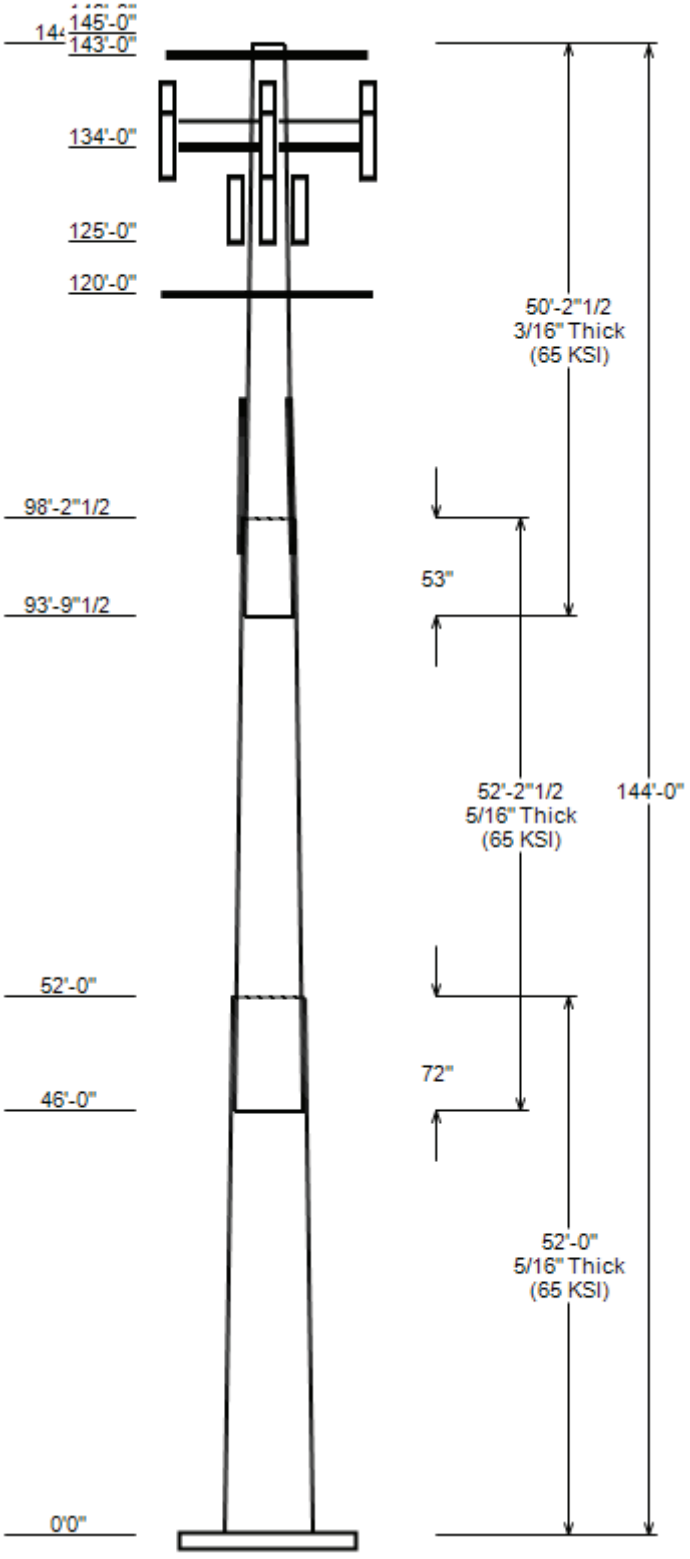
All assets of American Tower Corporation, its affiliates, and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with 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 :	411177, BARKHAMSTEDW CT	Height :	144 ft
Client :	VERIZON WIRELESS	Base Width :	55
Code :	ANSI/TIA-222-H	Shape :	18 Sides



SITE PARAMETERS

Base Elev (ft):	0.00	Structure Class:	II
Taper :	0.26700 (In/ft)	Exposure :	B
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	52.000	41.10	55.00	0.312		0.000	18 Sides	65
2	52.210	29.37	43.33	0.312	Slip Joint	72.000	18 Sides	65
3	50.207	17.50	30.92	0.188	Slip Joint	53.000	18 Sides	65

DISCRETE APPURTENANCE

Attach Elev (ft)	Force Elev (ft)	Qty	Description
146.0	146.0	1	VZW Unused Reserve (7555.68 sq
145.0	145.0	3	Samsung B5/B13 RRH-BR04C
145.0	145.0	3	Samsung B2/B66A RRH-BR049
145.0	145.0	1	RFS DB-C1-12C-24AB-0Z
145.0	145.0	3	Samsung MT6407-77A
145.0	147.0	6	Antel LPA-80080/4CF ___
145.0	145.0	6	Quintel QS6656-5D
143.0	143.0	1	Flat Low Profile Platform
134.0	134.0	3	Powerwave Allgon LGP13519
134.0	134.0	6	Powerwave Allgon LGP21401
134.0	137.0	2	Raycap DC6-48-60-18-8F(32.8 lb
134.0	134.0	3	Ericsson RRUS 4478 B14
134.0	134.0	3	Ericsson RRUS 4449 B5, B12
134.0	137.0	3	Powerwave Allgon 7770.00
134.0	134.0	1	CCI DMP65R-BU4D
134.0	134.0	1	CCI OPA65R-BU4DA-K
134.0	134.0	2	CCI DMP65R-BU6DA
134.0	134.0	2	CCI OPA65R-BU6D
134.0	134.0	1	Generic Flat Platform with Han
125.0	127.0	3	Kathrein Scala Smart Bias Tee
125.0	127.0	3	Ericsson KRY 112 144/1
125.0	127.0	3	Ericsson KRY 112 71
125.0	127.0	6	RFS APX16DWV-16DWV-S-E-ACU
125.0	127.0	3	Commscope LNX-6515DS-VTM
120.0	120.0	3	Round T-Arm

LINEAR APPURTENANCE

Elev From (ft)	Elev To (ft)	Description	Exp To Wind
0.0	145.0	2.02 (51.2mm) Hybrid	No
0.0	145.0	1 5/8" Coax	Yes
0.0	145.0	1 5/8" Coax	No
0.0	134.0	3/8" Coax	No
0.0	134.0	2" conduit	No
0.0	134.0	1 5/8" Coax	No
0.0	134.0	0.78" (19.7mm) 8 AWG 6	No
0.0	134.0	0.39" (10mm) Fiber Trunk	No
0.0	125.0	1 5/8" Coax	No
0.0	125.0	1 5/8" Coax	Yes
94.8	109.8	Plate	Yes
94.8	109.8	Plate	Yes
94.8	109.8	Plate	Yes

LOAD CASES

1.2D + 1.0W Normal	115 mph wind with no ice

JOB INFORMATION

Asset :	411177, BARKHAMSTEDW CT	Height :	144 ft
Client :	VERIZON WIRELESS	Base Width :	55
Code :	ANSI/TIA-222-H	Shape :	18 Sides

0.9D + 1.0W Normal	115 mph wind with no ice
1.2D + 1.0Di + 1.0Wi Nor	50 mph wind with 1" radial ice
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

REACTIONS

Load Case	Moment (kip-ft)	Shear (Kip)	Axial (Kip)
1.2D + 1.0W Normal	2196.32	20.06	37.09
0.9D + 1.0W Normal	2170.36	20.04	27.81
1.2D + 1.0Di + 1.0Wi Normal	584.01	5.51	53.26
1.2D + 1.0Ev + 1.0Eh Normal	114.15	0.93	36.86
0.9D - 1.0Ev + 1.0Eh Normal	112.53	0.93	25.76
1.0D + 1.0W Service Normal	531.21	4.88	30.93

DISH DEFLECTIONS

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

ANALYSIS PARAMETERS

Location:	Litchfield County,CT	Height:	144 ft
Type and Shape:	Taper, 18 Sides	Base Diameter:	55.00 in
Manufacturer:	Undetermined	Top Diameter:	17.50 in
K_d (non-service):	0.95	Taper:	0.2670 in/ft
K_e:	0.97	Rotation:	0.000°

ICE & WIND PARAMETERS

Exposure Category:	B	Design Wind Speed w/o Ice:	115 mph
Risk Category:	II	Design Wind Speed w/Ice:	50 mph
Topo Factor Procedure:	Method 1	Operational Wind Speed:	60 mph
Topographic Category:	1	Design Ice Thickness:	1.00 in
Crest Height:	0 ft	HMSL:	810.00 ft

SEISMIC PARAMETERS

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil			Period Based on Rayleigh Method (sec):	2.35
T_L (sec):	6	P:	1	$C_{s:}$	0.030
$S_{s:}$	0.169	$S_{1:}$	0.054	C_s Max:	0.030
$F_{a:}$	1.600	$F_{v:}$	2.400	C_s Min:	0.030
$S_{ds:}$	0.180	$S_{d1:}$	0.086		

LOAD CASES

1.2D + 1.0W Normal	115 mph wind with no ice
0.9D + 1.0W Normal	115 mph wind with no ice
1.2D + 1.0Di + 1.0Wi Normal	50 mph wind with 1" 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

SHAFT SECTION PROPERTIES

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint len (in)	Weight (lb)	Bottom Dia (in)	Bottom Elev (ft)	Bottom Area (in²)	Bottom Ix (in⁴)	Bottom W/t Ratio	Bottom D/t Ratio	Top Dia (in)	Top Elev (in)	Top Area (in²)	Top Ix (in⁴)	Top W/t Ratio	Top D/t Ratio	Taper (in/ft)
1-18	52.00	0.3125	65		0.00	8,378	55.00	0.000	54.24	20,495.5	29.62	176.00	41.10	52.00	40.45	8,501.4	21.78	131.51	0.2674
2-18	52.21	0.3125	65	Slip	72.00	6,350	43.33	46.000	42.66	9,972.9	23.04	138.64	29.37	98.21	28.82	3,073.7	15.16	93.98	0.2674
3-18	50.21	0.1875	65	Slip	53.00	2,443	30.92	93.793	18.29	2,183.2	27.67	164.92	17.50	144.00	10.30	390.2	15.05	93.33	0.2674

Shaft Weight 17,171

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
146.00	VZW Unused Reserve (7555.68 sq	1	0.80	0.000	326.60	52.470	0.90	477.92	76.781	0.90
145.00	RFS DB-C1-12C-24AB-0Z	1	0.80	0.000	32.00	4.056	1.00	116.53	4.964	1.00
145.00	Samsung MT6407-77A	3	0.80	0.000	81.60	4.709	0.61	149.39	5.719	0.61
145.00	Antel LPA-80080/4CF ___	6	0.80	2.000	12.00	5.399	0.62	95.58	3.166	0.62
145.00	Quintel QS6656-5D	6	0.80	0.000	88.00	8.133	0.74	220.51	9.987	0.74
145.00	Samsung B5/B13 RRH-BR04C	3	0.80	0.000	70.30	1.875	0.50	108.34	2.475	0.50
145.00	Samsung B2/B66A RRH-BR049	3	0.80	0.000	84.40	1.875	0.50	126.83	2.475	0.50
143.00	Flat Low Profile Platform	1	1.00	0.000	1500.00	26.100	1.00	1930.30	38.780	1.00
134.00	CCI OPA65R-BU6D	2	0.75	0.000	63.20	12.871	0.72	235.58	14.716	0.72
134.00	Generic Flat Platform with Han	1	1.00	0.000	2500.00	42.400	1.00	3671.67	56.232	1.00
134.00	CCI DMP65R-BU6DA	2	0.75	0.000	79.40	12.709	0.72	249.30	14.548	0.72
134.00	CCI OPA65R-BU4DA-K	1	0.75	0.000	52.50	8.435	1.00	173.40	9.780	1.00
134.00	Powerwave Allgon 7770.00	3	0.75	3.000	35.00	5.508	0.65	117.15	6.186	0.65
134.00	Ericsson RRUS 4449 B5, B12	3	0.75	0.000	71.00	1.969	0.50	113.51	2.584	0.50
134.00	Ericsson RRUS 4478 B14	3	0.75	0.000	59.90	1.842	0.50	96.37	2.434	0.50
134.00	Raycap DC6-48-60-18-8F(32.8 lb	2	0.75	3.000	32.80	1.470	1.00	73.49	1.931	1.00
134.00	Powerwave Allgon LGP21401	6	0.75	0.000	14.10	1.104	0.50	30.56	1.575	0.50
134.00	Powerwave Allgon LGP13519	3	0.75	0.000	5.30	0.290	0.50	11.55	0.545	0.50
134.00	CCI DMP65R-BU4D	1	0.75	0.000	67.90	8.280	1.00	187.02	9.615	1.00
125.00	RFS APX16DWV-16DWV-S-E-ACU	6	0.80	2.000	39.60	6.077	0.60	93.29	7.424	0.60
125.00	Ericsson KRY 112 71	3	0.80	2.000	13.20	0.583	0.50	25.19	0.946	0.50
125.00	Ericsson KRY 112 144/1	3	0.80	2.000	11.00	0.351	0.50	18.04	0.617	0.50
125.00	Kathrein Scala Smart Bias Tee	3	0.80	2.000	3.30	0.080	0.50	5.45	0.216	0.50
125.00	Commscope LNX-6515DS-VTM	3	0.80	2.000	50.30	11.440	0.70	200.49	13.558	0.70
120.00	Round T-Arm	3	0.75	0.000	250.00	9.700	0.67	386.25	15.075	0.67
Totals	Num Loadings: 25	72			7,957.90			14,388.90		

LINEAR APPURTENANCE PROPERTIES

Load Case Azimuth (deg) : 310.00_

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	145.00	6	1 5/8" Coax	1.98	0.82	N	6	0	1	320	1	Y	VERIZON WIREL
0.00	145.00	3	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	VERIZON WIREL
0.00	145.00	1	2.02 (51.2mm) Hybrid	2.02	3.04	N	0	0	0	0	0	N	VERIZON WIREL
0.00	134.00	6	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	134.00	4	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	134.00	3	3/8" Coax	0.44	0.08	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	134.00	2	2" conduit	2.38	3.65	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	134.00	2	0.39" (10mm) Fiber Tr	0.39	0.06	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	125.00	12	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	T-MOBILE
0.00	125.00	6	1 5/8" Coax	1.98	0.82	N	6	0	1	80	1	Y	T-MOBILE
94.80	109.80	1	Plate	0.75	0	Y	1	0	0	0	0	Y	
94.80	109.80	1	Plate	0.75	0	Y	1	0	0	120	0	Y	
94.80	109.80	1	Plate	0.75	0	Y	1	0	0	240	0	Y	

ADDITIONAL STEEL

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	Intermediate Connectors Description	Intermediate Connectors Spacing (in)	Intermediate Connectors Len (in)	Connectors	Continuation?
94.75	109.75	3	PL PL 4 x 0.75"	50	0.00	AJAX M20 Class 8.8	12.00		AJAX M20 Class 8.8	N

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)	Additional Reinforcing Area (in^2)	Additional Reinforcing Ix (in^4)	Additional Reinforcing Weight (lb)
0.00		0.3125	55.000	54.241	20,495.50	29.62	176.00	66.6	734.0	0.0	0.0			
5.00		0.3125	53.663	52.915	19,028.90	28.87	171.72	67.4	698.4	0.0	911.6			
10.00		0.3125	52.326	51.589	17,634.10	28.11	167.44	68.3	663.8	0.0	889.0			
15.00		0.3125	50.990	50.264	16,309.10	27.36	163.17	69.2	630.0	0.0	866.5			
20.00		0.3125	49.653	48.938	15,052.20	26.61	158.89	70.1	597.1	0.0	843.9			
25.00		0.3125	48.316	47.612	13,861.60	25.85	154.61	71	565.1	0.0	821.3			
30.00		0.3125	46.979	46.286	12,735.50	25.10	150.33	71.9	533.9	0.0	798.8			
35.00		0.3125	45.642	44.960	11,672.10	24.34	146.06	72.8	503.7	0.0	776.2			
40.00		0.3125	44.306	43.634	10,669.60	23.59	141.78	73.7	474.3	0.0	753.7			
45.00		0.3125	42.969	42.308	9,726.20	22.83	137.50	74.5	445.8	0.0	731.1			
46.00	Bot - Section 2	0.3125	42.701	42.043	9,544.50	22.68	136.64	74.7	440.2	0.0	143.5			
50.00		0.3125	41.632	40.982	8,840.10	22.08	133.22	75.4	418.2	0.0	1,138.5			
52.00	Top - Section 1	0.3125	41.722	41.072	8,898.20	22.13	133.51	75.4	420.1	0.0	558.4			
55.00		0.3125	40.920	40.276	8,391.10	21.68	130.94	75.9	403.9	0.0	415.2			
60.00		0.3125	39.583	38.950	7,589.40	20.92	126.67	76.8	377.6	0.0	674.0			
65.00		0.3125	38.247	37.625	6,840.40	20.17	122.39	77.7	352.3	0.0	651.4			
70.00		0.3125	36.910	36.299	6,142.40	19.42	118.11	78.6	327.8	0.0	628.9			
75.00		0.3125	35.573	34.973	5,493.60	18.66	113.83	79.5	304.2	0.0	606.3			
80.00		0.3125	34.236	33.647	4,892.20	17.91	109.56	80.3	281.4	0.0	583.7			
85.00		0.3125	32.899	32.321	4,336.30	17.15	105.28	81.2	259.6	0.0	561.2			
90.00		0.3125	31.563	30.995	3,824.30	16.40	101.00	82.1	238.6	0.0	538.6			
93.79	Bot - Section 3	0.3125	30.548	29.989	3,463.90	15.83	97.75	82.6	223.3	0.0	393.6			
94.75	Reinf Bottom	0.3125	30.293	29.735	3,376.70	15.68	96.94	82.6	219.6	0.0	156.5			
95.00		0.3125	30.226	29.669	3,354.20	15.64	96.72	82.6	218.6	0.0	40.7	9.000	1,111.90	7.7
98.21	Top - Section 2	0.1875	29.743	17.588	1,941.10	26.56	158.63	70.2	128.5	0.0	514.3	9.000	1,052.20	98.3
100.00		0.1875	29.264	17.304	1,848.30	26.11	156.07	70.7	124.4	0.0	106.3	9.000	1,019.70	54.8
105.00		0.1875	27.927	16.508	1,604.90	24.85	148.95	72.2	113.2	0.0	287.6	9.000	931.40	153.1
109.75	Reinf. Top	0.1875	26.657	15.752	1,394.40	23.66	142.17	73.6	103.0	0.0	260.7	9.000	851.30	145.5
110.00		0.1875	26.590	15.712	1,383.90	23.60	141.82	73.6	102.5	0.0	13.4			
115.00		0.1875	25.254	14.917	1,184.10	22.34	134.69	75.1	92.4	0.0	260.6			
120.00		0.1875	23.917	14.121	1,004.60	21.08	127.56	76.6	82.7	0.0	247.0			
125.00		0.1875	22.580	13.326	844.20	19.82	120.43	78.1	73.6	0.0	233.5			
130.00		0.1875	21.243	12.530	701.90	18.57	113.30	79.6	65.1	0.0	220.0			
134.00		0.1875	20.174	11.894	600.30	17.56	107.59	80.7	58.6	0.0	166.2			
135.00		0.1875	19.906	11.735	576.50	17.31	106.17	81	57.0	0.0	40.2			
140.00		0.1875	18.570	10.939	467.00	16.05	99.04	82.5	49.5	0.0	192.9			
143.00		0.1875	17.768	10.462	408.50	15.30	94.76	82.6	45.3	0.0	109.2			
144.00		0.1875	17.500	10.303	390.20	15.05	93.33	82.6	43.9	0.0	35.3			
								Totals:			17,169.8			459.4

Load Case: 1.2D + 1.0W Normal 115 mph wind with no ice 24 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	-37.09	-20.06	0.00	-2,196.3	0.00	2,196.32	3,249.22	951.93	4,701.78	3,663.92	0	0	0.611
5.00	-35.71	-19.75	0.00	-2,096.0	0.00	2,096.04	3,212.04	928.66	4,474.75	3,532.96	0.08	-0.15	0.605
10.00	-34.35	-19.45	0.00	-1,997.3	0.00	1,997.28	3,172.75	905.39	4,253.33	3,401.79	0.32	-0.3	0.598
15.00	-33.02	-19.15	0.00	-1,900.0	0.00	1,900.04	3,131.34	882.13	4,037.53	3,270.59	0.72	-0.46	0.592
20.00	-31.72	-18.86	0.00	-1,804.3	0.00	1,804.27	3,087.81	858.86	3,827.35	3,139.53	1.29	-0.62	0.585
25.00	-30.44	-18.58	0.00	-1,709.9	0.00	1,709.94	3,042.17	835.59	3,622.79	3,008.79	2.03	-0.79	0.579
30.00	-29.19	-18.30	0.00	-1,617.0	0.00	1,617.04	2,994.41	812.32	3,423.84	2,878.54	2.94	-0.96	0.572
35.00	-27.97	-18.01	0.00	-1,525.6	0.00	1,525.56	2,944.53	789.05	3,230.51	2,748.97	4.04	-1.13	0.565
40.00	-26.78	-17.71	0.00	-1,435.5	0.00	1,435.52	2,892.53	765.78	3,042.80	2,620.24	5.32	-1.31	0.558
45.00	-25.63	-17.52	0.00	-1,347.0	0.00	1,346.96	2,838.42	742.51	2,860.71	2,492.54	6.8	-1.5	0.550
46.00	-25.38	-17.38	0.00	-1,329.4	0.00	1,329.44	2,827.34	737.85	2,824.97	2,467.14	7.12	-1.54	0.548
50.00	-23.80	-17.16	0.00	-1,259.9	0.00	1,259.93	2,782.19	719.24	2,684.24	2,366.04	8.47	-1.69	0.542
52.00	-23.01	-17.00	0.00	-1,225.6	0.00	1,225.61	2,786.05	720.81	2,695.98	2,374.54	9.2	-1.77	0.525
55.00	-22.33	-16.75	0.00	-1,174.6	0.00	1,174.62	2,751.38	706.85	2,592.56	2,299.23	10.35	-1.89	0.520
60.00	-21.24	-16.43	0.00	-1,090.9	0.00	1,090.87	2,691.91	683.58	2,424.70	2,174.91	12.43	-2.08	0.510
65.00	-20.17	-16.10	0.00	-1,008.7	0.00	1,008.73	2,630.31	660.31	2,262.45	2,052.24	14.72	-2.28	0.500
70.00	-19.14	-15.78	0.00	-928.2	0.00	928.21	2,566.60	637.04	2,105.82	1,931.38	17.22	-2.48	0.489
75.00	-18.13	-15.46	0.00	-849.3	0.00	849.30	2,500.77	613.77	1,954.81	1,812.53	19.93	-2.69	0.476
80.00	-17.15	-15.14	0.00	-772.0	0.00	772.00	2,432.83	590.50	1,809.42	1,695.84	22.86	-2.9	0.463
85.00	-16.20	-14.83	0.00	-696.3	0.00	696.29	2,362.77	567.23	1,669.64	1,581.51	26.01	-3.11	0.448
90.00	-15.28	-14.54	0.00	-622.2	0.00	622.16	2,290.59	543.96	1,535.49	1,469.71	29.38	-3.33	0.431
93.79	-14.61	-14.38	0.00	-567.0	0.00	566.98	2,228.05	526.31	1,437.45	1,382.72	32.1	-3.5	0.417
94.75	-14.37	-14.34	0.00	-553.2	0.00	553.22	2,209.20	521.86	1,413.24	1,359.31	32.8	-3.54	0.414
95.00	-14.29	-14.24	0.00	-549.6	0.00	549.64	2,204.27	520.69	1,406.95	1,353.22	32.99	-3.55	0.311
98.21	-13.39	-14.05	0.00	-503.9	0.00	503.93	1,110.63	308.68	823.97	676.41	35.41	-3.66	0.493
100.00	-13.09	-13.85	0.00	-478.8	0.00	478.79	1,100.89	303.68	797.50	659.55	36.79	-3.72	0.478
105.00	-12.30	-13.53	0.00	-409.5	0.00	409.53	1,072.24	289.72	725.86	612.66	40.81	-3.94	0.433
109.75	-11.57	-13.34	0.00	-345.2	0.00	345.24	1,043.07	276.45	660.93	568.53	44.83	-4.14	0.386
109.75	-11.57	-13.34	0.00	-345.2	0.00	345.24	1,043.07	276.45	660.93	568.53	44.83	-4.14	0.621
110.00	-11.52	-13.19	0.00	-341.9	0.00	341.91	1,041.48	275.75	657.60	566.22	45.05	-4.15	0.617
115.00	-10.92	-12.85	0.00	-276.0	0.00	275.95	1,008.60	261.79	592.70	520.38	49.57	-4.47	0.544
120.00	-9.51	-11.88	0.00	-211.7	0.00	211.69	973.60	247.83	531.17	475.34	54.41	-4.76	0.457
125.00	-8.53	-10.11	0.00	-149.5	0.00	149.50	936.49	233.87	473.02	431.26	59.53	-5.02	0.358
130.00	-8.11	-9.84	0.00	-98.9	0.00	98.94	897.25	219.91	418.23	388.32	64.91	-5.23	0.266
134.00	-3.87	-5.60	0.00	-58.4	0.00	58.45	864.34	208.74	376.83	354.91	69.34	-5.36	0.170
135.00	-3.82	-5.42	0.00	-52.8	0.00	52.85	855.90	205.95	366.82	346.70	70.47	-5.38	0.158
140.00	-3.55	-5.17	0.00	-25.7	0.00	25.73	812.44	191.98	318.78	306.57	76.15	-5.48	0.089
143.00	-1.69	-3.89	0.00	-10.2	0.00	10.22	777.27	183.61	291.57	280.37	79.61	-5.51	0.039
144.00	0.00	-3.71	0.00	-6.3	0.00	6.33	765.45	180.81	282.77	271.87	80.76	-5.52	0.024

Load Case: 0.9D + 1.0W Normal 115 mph wind with no ice 24 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	-27.81	-20.04	0.00	-2,170.4	0.00	2,170.36	3,249.22	951.93	4,701.78	3,663.92	0	0	0.601
5.00	-26.76	-19.71	0.00	-2,070.1	0.00	2,070.14	3,212.04	928.66	4,474.75	3,532.96	0.08	-0.15	0.595
10.00	-25.73	-19.39	0.00	-1,971.6	0.00	1,971.57	3,172.75	905.39	4,253.33	3,401.79	0.31	-0.3	0.588
15.00	-24.72	-19.07	0.00	-1,874.6	0.00	1,874.62	3,131.34	882.13	4,037.53	3,270.59	0.71	-0.45	0.582
20.00	-23.73	-18.76	0.00	-1,779.2	0.00	1,779.25	3,087.81	858.86	3,827.35	3,139.53	1.27	-0.61	0.575
25.00	-22.76	-18.46	0.00	-1,685.4	0.00	1,685.44	3,042.17	835.59	3,622.79	3,008.79	2	-0.78	0.568
30.00	-21.82	-18.16	0.00	-1,593.2	0.00	1,593.15	2,994.41	812.32	3,423.84	2,878.54	2.9	-0.94	0.561
35.00	-20.89	-17.85	0.00	-1,502.4	0.00	1,502.37	2,944.53	789.05	3,230.51	2,748.97	3.99	-1.12	0.554
40.00	-19.98	-17.54	0.00	-1,413.1	0.00	1,413.11	2,892.53	765.78	3,042.80	2,620.24	5.25	-1.3	0.547
45.00	-19.12	-17.34	0.00	-1,325.4	0.00	1,325.42	2,838.42	742.51	2,860.71	2,492.54	6.71	-1.48	0.539
46.00	-18.93	-17.19	0.00	-1,308.1	0.00	1,308.08	2,827.34	737.85	2,824.97	2,467.14	7.02	-1.52	0.537
50.00	-17.73	-16.97	0.00	-1,239.3	0.00	1,239.34	2,782.19	719.24	2,684.24	2,366.04	8.36	-1.67	0.531
52.00	-17.13	-16.80	0.00	-1,205.4	0.00	1,205.40	2,786.05	720.81	2,695.98	2,374.54	9.07	-1.75	0.514
55.00	-16.62	-16.54	0.00	-1,155.0	0.00	1,154.99	2,751.38	706.85	2,592.56	2,299.23	10.21	-1.87	0.509
60.00	-15.79	-16.21	0.00	-1,072.3	0.00	1,072.28	2,691.91	683.58	2,424.70	2,174.91	12.26	-2.05	0.499
65.00	-14.98	-15.88	0.00	-991.2	0.00	991.23	2,630.31	660.31	2,262.45	2,052.24	14.52	-2.25	0.489
70.00	-14.19	-15.55	0.00	-911.8	0.00	911.84	2,566.60	637.04	2,105.82	1,931.38	16.98	-2.45	0.478
75.00	-13.43	-15.22	0.00	-834.1	0.00	834.10	2,500.77	613.77	1,954.81	1,812.53	19.65	-2.65	0.466
80.00	-12.69	-14.90	0.00	-758.0	0.00	757.99	2,432.83	590.50	1,809.42	1,695.84	22.53	-2.85	0.453
85.00	-11.97	-14.58	0.00	-683.5	0.00	683.51	2,362.77	567.23	1,669.64	1,581.51	25.63	-3.06	0.438
90.00	-11.27	-14.29	0.00	-610.6	0.00	610.63	2,290.59	543.96	1,535.49	1,469.71	28.95	-3.28	0.421
93.79	-10.76	-14.13	0.00	-556.4	0.00	556.40	2,228.05	526.31	1,437.45	1,382.72	31.62	-3.44	0.408
94.75	-10.58	-14.09	0.00	-542.9	0.00	542.88	2,209.20	521.86	1,413.24	1,359.31	32.31	-3.48	0.405
95.00	-10.52	-13.99	0.00	-539.4	0.00	539.36	2,204.27	520.69	1,406.95	1,353.22	32.49	-3.49	0.304
98.21	-9.85	-13.81	0.00	-494.4	0.00	494.45	1,110.63	308.68	823.97	676.41	34.88	-3.6	0.482
100.00	-9.62	-13.61	0.00	-469.7	0.00	469.74	1,100.89	303.68	797.50	659.55	36.24	-3.66	0.467
105.00	-9.01	-13.29	0.00	-401.7	0.00	401.70	1,072.24	289.72	725.86	612.66	40.19	-3.88	0.422
109.75	-8.47	-13.11	0.00	-338.6	0.00	338.57	1,043.07	276.45	660.93	568.53	44.15	-4.07	0.377
109.75	-8.47	-13.11	0.00	-338.6	0.00	338.57	1,043.07	276.45	660.93	568.53	44.15	-4.07	0.606
110.00	-8.42	-12.95	0.00	-335.3	0.00	335.29	1,041.48	275.75	657.60	566.22	44.36	-4.08	0.602
115.00	-7.97	-12.60	0.00	-270.6	0.00	270.56	1,008.60	261.79	592.70	520.38	48.81	-4.4	0.530
120.00	-6.91	-11.65	0.00	-207.6	0.00	207.56	973.60	247.83	531.17	475.34	53.56	-4.68	0.446
125.00	-6.20	-9.89	0.00	-146.5	0.00	146.54	936.49	233.87	473.02	431.26	58.6	-4.94	0.348
130.00	-5.89	-9.62	0.00	-97.1	0.00	97.08	897.25	219.91	418.23	388.32	63.88	-5.14	0.258
134.00	-2.79	-5.49	0.00	-57.4	0.00	57.45	864.34	208.74	376.83	354.91	68.24	-5.27	0.166
135.00	-2.76	-5.32	0.00	-52.0	0.00	51.96	855.90	205.95	366.82	346.70	69.35	-5.29	0.154
140.00	-2.55	-5.07	0.00	-25.4	0.00	25.38	812.44	191.98	318.78	306.57	74.94	-5.39	0.087
143.00	-1.18	-3.84	0.00	-10.2	0.00	10.17	777.27	183.61	291.57	280.37	78.33	-5.42	0.038
144.00	0.00	-3.71	0.00	-6.3	0.00	6.33	765.45	180.81	282.77	271.87	79.47	-5.43	0.024

Load Case: 1.2D + 1.0Di + 1.0Wi Normal		50 mph wind with 1" radial ice			23 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	-53.26	-5.51	0.00	-584.0	0.00	584.01	3,249.22	951.93	4,701.78	3,663.92	0	0	0.176
5.00	-51.53	-5.42	0.00	-556.5	0.00	556.47	3,212.04	928.66	4,474.75	3,532.96	0.02	-0.04	0.174
10.00	-49.80	-5.33	0.00	-529.4	0.00	529.39	3,172.75	905.39	4,253.33	3,401.79	0.08	-0.08	0.171
15.00	-48.08	-5.24	0.00	-502.8	0.00	502.76	3,131.34	882.13	4,037.53	3,270.59	0.19	-0.12	0.169
20.00	-46.39	-5.15	0.00	-476.6	0.00	476.58	3,087.81	858.86	3,827.35	3,139.53	0.34	-0.16	0.167
25.00	-44.72	-5.06	0.00	-450.8	0.00	450.84	3,042.17	835.59	3,622.79	3,008.79	0.54	-0.21	0.165
30.00	-43.07	-4.97	0.00	-425.5	0.00	425.54	2,994.41	812.32	3,423.84	2,878.54	0.78	-0.25	0.162
35.00	-41.46	-4.89	0.00	-400.7	0.00	400.66	2,944.53	789.05	3,230.51	2,748.97	1.07	-0.3	0.160
40.00	-39.87	-4.79	0.00	-376.2	0.00	376.23	2,892.53	765.78	3,042.80	2,620.24	1.41	-0.35	0.157
45.00	-38.32	-4.73	0.00	-352.3	0.00	352.26	2,838.42	742.51	2,860.71	2,492.54	1.8	-0.4	0.155
46.00	-38.01	-4.69	0.00	-347.5	0.00	347.53	2,827.34	737.85	2,824.97	2,467.14	1.88	-0.41	0.154
50.00	-36.11	-4.62	0.00	-328.8	0.00	328.77	2,782.19	719.24	2,684.24	2,366.04	2.24	-0.45	0.152
52.00	-35.17	-4.57	0.00	-319.5	0.00	319.53	2,786.05	720.81	2,695.98	2,374.54	2.43	-0.47	0.147
55.00	-34.27	-4.50	0.00	-305.8	0.00	305.81	2,751.38	706.85	2,592.56	2,299.23	2.73	-0.5	0.145
60.00	-32.79	-4.39	0.00	-283.3	0.00	283.33	2,691.91	683.58	2,424.70	2,174.91	3.28	-0.55	0.142
65.00	-31.35	-4.29	0.00	-261.4	0.00	261.37	2,630.31	660.31	2,262.45	2,052.24	3.88	-0.6	0.139
70.00	-29.94	-4.19	0.00	-239.9	0.00	239.91	2,566.60	637.04	2,105.82	1,931.38	4.54	-0.65	0.136
75.00	-28.57	-4.09	0.00	-219.0	0.00	218.97	2,500.77	613.77	1,954.81	1,812.53	5.25	-0.7	0.132
80.00	-27.23	-3.98	0.00	-198.5	0.00	198.54	2,432.83	590.50	1,809.42	1,695.84	6.02	-0.76	0.128
85.00	-25.92	-3.88	0.00	-178.6	0.00	178.63	2,362.77	567.23	1,669.64	1,581.51	6.84	-0.81	0.124
90.00	-24.65	-3.79	0.00	-159.2	0.00	159.22	2,290.59	543.96	1,535.49	1,469.71	7.72	-0.87	0.119
93.79	-23.71	-3.74	0.00	-144.8	0.00	144.84	2,228.05	526.31	1,437.45	1,382.72	8.43	-0.91	0.115
94.75	-23.40	-3.72	0.00	-141.3	0.00	141.27	2,209.20	521.86	1,413.24	1,359.31	8.61	-0.92	0.115
95.00	-23.31	-3.69	0.00	-140.3	0.00	140.34	2,204.27	520.69	1,406.95	1,353.22	8.66	-0.93	0.086
98.21	-22.18	-3.63	0.00	-128.5	0.00	128.50	1,110.63	308.68	823.97	676.41	9.3	-0.95	0.137
100.00	-21.76	-3.57	0.00	-122.0	0.00	122.00	1,100.89	303.68	797.50	659.55	9.66	-0.97	0.132
105.00	-20.61	-3.47	0.00	-104.2	0.00	104.17	1,072.24	289.72	725.86	612.66	10.7	-1.02	0.120
109.75	-19.54	-3.41	0.00	-87.7	0.00	87.70	1,043.07	276.45	660.93	568.53	11.75	-1.08	0.108
109.75	-19.54	-3.41	0.00	-87.7	0.00	87.70	1,043.07	276.45	660.93	568.53	11.75	-1.08	0.173
110.00	-19.50	-3.37	0.00	-86.8	0.00	86.85	1,041.48	275.75	657.60	566.22	11.8	-1.08	0.172
115.00	-18.59	-3.29	0.00	-70.0	0.00	69.99	1,008.60	261.79	592.70	520.38	12.98	-1.16	0.153
120.00	-16.50	-3.02	0.00	-53.6	0.00	53.55	973.60	247.83	531.17	475.34	14.23	-1.23	0.130
125.00	-14.44	-2.58	0.00	-37.8	0.00	37.82	936.49	233.87	473.02	431.26	15.56	-1.3	0.103
130.00	-13.78	-2.51	0.00	-24.9	0.00	24.90	897.25	219.91	418.23	388.32	16.95	-1.35	0.080
134.00	-6.79	-1.43	0.00	-14.6	0.00	14.62	864.34	208.74	376.83	354.91	18.1	-1.38	0.049
135.00	-6.68	-1.39	0.00	-13.2	0.00	13.19	855.90	205.95	366.82	346.70	18.39	-1.39	0.046
140.00	-6.16	-1.31	0.00	-6.3	0.00	6.26	812.44	191.98	318.78	306.57	19.86	-1.41	0.028
143.00	-3.74	-0.95	0.00	-2.3	0.00	2.32	777.27	183.61	291.57	280.37	20.75	-1.42	0.013
144.00	0.00	-0.85	0.00	-1.4	0.00	1.38	765.45	180.81	282.77	271.87	21.05	-1.42	0.005

Load Case: 1.0D + 1.0W Service Normal 60 mph Wind with No Ice 23 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	-30.93	-4.88	0.00	-531.2	0.00	531.21	3,249.22	951.93	4,701.78	3,663.92	0	0	0.155
5.00	-29.82	-4.80	0.00	-506.8	0.00	506.80	3,212.04	928.66	4,474.75	3,532.96	0.02	-0.04	0.153
10.00	-28.73	-4.73	0.00	-482.8	0.00	482.78	3,172.75	905.39	4,253.33	3,401.79	0.08	-0.07	0.151
15.00	-27.66	-4.65	0.00	-459.2	0.00	459.15	3,131.34	882.13	4,037.53	3,270.59	0.17	-0.11	0.149
20.00	-26.61	-4.58	0.00	-435.9	0.00	435.89	3,087.81	858.86	3,827.35	3,139.53	0.31	-0.15	0.147
25.00	-25.58	-4.51	0.00	-413.0	0.00	413.00	3,042.17	835.59	3,622.79	3,008.79	0.49	-0.19	0.146
30.00	-24.58	-4.43	0.00	-390.5	0.00	390.47	2,994.41	812.32	3,423.84	2,878.54	0.71	-0.23	0.144
35.00	-23.60	-4.36	0.00	-368.3	0.00	368.30	2,944.53	789.05	3,230.51	2,748.97	0.98	-0.27	0.142
40.00	-22.64	-4.29	0.00	-346.5	0.00	346.50	2,892.53	765.78	3,042.80	2,620.24	1.29	-0.32	0.140
45.00	-21.71	-4.24	0.00	-325.1	0.00	325.07	2,838.42	742.51	2,860.71	2,492.54	1.64	-0.36	0.138
46.00	-21.53	-4.20	0.00	-320.8	0.00	320.83	2,827.34	737.85	2,824.97	2,467.14	1.72	-0.37	0.138
50.00	-20.22	-4.15	0.00	-304.0	0.00	304.02	2,782.19	719.24	2,684.24	2,366.04	2.05	-0.41	0.136
52.00	-19.58	-4.11	0.00	-295.7	0.00	295.72	2,786.05	720.81	2,695.98	2,374.54	2.22	-0.43	0.132
55.00	-19.05	-4.05	0.00	-283.4	0.00	283.39	2,751.38	706.85	2,592.56	2,299.23	2.5	-0.46	0.130
60.00	-18.17	-3.97	0.00	-263.2	0.00	263.15	2,691.91	683.58	2,424.70	2,174.91	3	-0.5	0.128
65.00	-17.32	-3.89	0.00	-243.3	0.00	243.31	2,630.31	660.31	2,262.45	2,052.24	3.56	-0.55	0.125
70.00	-16.48	-3.81	0.00	-223.9	0.00	223.87	2,566.60	637.04	2,105.82	1,931.38	4.16	-0.6	0.122
75.00	-15.67	-3.73	0.00	-204.8	0.00	204.83	2,500.77	613.77	1,954.81	1,812.53	4.82	-0.65	0.119
80.00	-14.89	-3.65	0.00	-186.2	0.00	186.18	2,432.83	590.50	1,809.42	1,695.84	5.52	-0.7	0.116
85.00	-14.12	-3.58	0.00	-167.9	0.00	167.92	2,362.77	567.23	1,669.64	1,581.51	6.28	-0.75	0.112
90.00	-13.38	-3.51	0.00	-150.0	0.00	150.04	2,290.59	543.96	1,535.49	1,469.71	7.1	-0.8	0.108
93.79	-12.84	-3.47	0.00	-136.7	0.00	136.74	2,228.05	526.31	1,437.45	1,382.72	7.75	-0.84	0.105
94.75	-12.64	-3.46	0.00	-133.4	0.00	133.42	2,209.20	521.86	1,413.24	1,359.31	7.92	-0.85	0.104
95.00	-12.58	-3.43	0.00	-132.6	0.00	132.55	2,204.27	520.69	1,406.95	1,353.22	7.97	-0.86	0.078
98.21	-11.84	-3.39	0.00	-121.5	0.00	121.53	1,110.63	308.68	823.97	676.41	8.55	-0.88	0.124
100.00	-11.61	-3.34	0.00	-115.5	0.00	115.47	1,100.89	303.68	797.50	659.55	8.89	-0.9	0.120
105.00	-10.96	-3.26	0.00	-98.8	0.00	98.77	1,072.24	289.72	725.86	612.66	9.86	-0.95	0.109
109.75	-10.37	-3.22	0.00	-83.3	0.00	83.26	1,043.07	276.45	660.93	568.53	10.83	-1	0.097
109.75	-10.37	-3.22	0.00	-83.3	0.00	83.26	1,043.07	276.45	660.93	568.53	10.83	-1	0.157
110.00	-10.34	-3.18	0.00	-82.5	0.00	82.46	1,041.48	275.75	657.60	566.22	10.88	-1	0.156
115.00	-9.88	-3.10	0.00	-66.6	0.00	66.55	1,008.60	261.79	592.70	520.38	11.97	-1.08	0.138
120.00	-8.68	-2.87	0.00	-51.1	0.00	51.06	973.60	247.83	531.17	475.34	13.14	-1.15	0.116
125.00	-7.78	-2.44	0.00	-36.1	0.00	36.06	936.49	233.87	473.02	431.26	14.38	-1.21	0.092
130.00	-7.44	-2.37	0.00	-23.9	0.00	23.88	897.25	219.91	418.23	388.32	15.68	-1.26	0.070
134.00	-3.62	-1.35	0.00	-14.1	0.00	14.12	864.34	208.74	376.83	354.91	16.75	-1.29	0.044
135.00	-3.57	-1.31	0.00	-12.8	0.00	12.77	855.90	205.95	366.82	346.70	17.02	-1.3	0.041
140.00	-3.33	-1.25	0.00	-6.2	0.00	6.23	812.44	191.98	318.78	306.57	18.4	-1.32	0.024
143.00	-1.69	-0.94	0.00	-2.5	0.00	2.48	777.27	183.61	291.57	280.37	19.23	-1.33	0.011
144.00	0.00	-0.90	0.00	-1.5	0.00	1.54	765.45	180.81	282.77	271.87	19.51	-1.33	0.006

EQUIVALENT LATERAL FORCES METHOD ANALYSIS

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

Spectral Response Acceleration for Short Period (S_S):	0.169
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.054
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}):	0.180
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.086
Seismic Response Coefficient (C_s):	0.030
Upper Limit C_S:	0.030
Lower Limit C_S:	0.030
Period based on Rayleigh Method (sec):	2.350
Redundancy Factor (p):	1.000
Seismic Force Distribution Exponent (k):	1.930
Total Unfactored Dead Load:	30.930 k
Seismic Base Shear (E):	0.930 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)
37	143.5	46	656	0.004	3	57
36	141.5	140	1,962	0.011	10	174
35	137.5	245	3,237	0.018	16	303
34	134.5	51	641	0.004	3	63
33	132	268	3,269	0.018	17	331
32	127.5	347	3,962	0.022	20	429
31	122.5	434	4,591	0.025	23	537
30	117.5	448	4,369	0.024	22	553
29	112.5	461	4,139	0.023	21	570
28	109.875	23	201	0.001	1	29
27	107.375	597	4,896	0.027	25	738
26	102.5	641	4,811	0.026	24	793
25	99.105	233	1,637	0.009	8	288
24	96.605	741	4,962	0.027	25	916
23	94.875	58	377	0.002	2	72
22	94.2717	195	1,244	0.007	6	241
21	91.8967	546	3,317	0.018	17	675
20	87.5	739	4,088	0.022	21	914
19	82.5	762	3,761	0.021	19	942
18	77.5	784	3,433	0.019	17	969
17	72.5	807	3,106	0.017	16	997
16	67.5	829	2,782	0.015	14	1,025
15	62.5	852	2,464	0.014	13	1,053
14	57.5	875	2,153	0.012	11	1,081
13	53.5	536	1,148	0.006	6	662
12	51	639	1,248	0.007	6	789
11	48	1,299	2,258	0.012	11	1,606
10	45.5	184	288	0.002	1	227
9	42.5	932	1,281	0.007	7	1,152
8	37.5	954	1,031	0.006	5	1,180
7	32.5	977	801	0.004	4	1,207
6	27.5	999	594	0.003	3	1,235
5	22.5	1,022	412	0.002	2	1,263
4	17.5	1,044	260	0.001	1	1,291

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
3	12.5	1,067	139	0.001	1	1,319
2	7.5	1,090	53	0.000	0	1,347
1	2.5	1,112	7	0.000	0	1,375
VZW Unused Reserve (7555.68 sqin)	144	327	4,718	0.026	24	404
Samsung B5/B13 RRH-BR04C	144	211	3,046	0.017	15	261
Samsung B2/B66A RRH-BR049	144	253	3,657	0.020	19	313
RFS DB-C1-12C-24AB-0Z	144	32	462	0.002	2	40
Samsung MT6407-77A	144	245	3,536	0.019	18	303
Antel LPA-80080/4CF ___	144	72	1,040	0.006	5	89
Quintel QS6656-5D	144	528	7,627	0.042	39	653
Flat Low Profile Platform	143	1,500	21,378	0.117	109	1,854
Powerwave Allgon LGP13519	134	16	200	0.001	1	20
Powerwave Allgon LGP21401	134	85	1,064	0.006	5	105
Raycap DC6-48-60-18-8F(32.8 lbs)	134	66	825	0.004	4	81
Ericsson RRUS 4478 B14	134	180	2,260	0.012	11	222
Ericsson RRUS 4449 B5, B12	134	213	2,678	0.015	14	263
Powerwave Allgon 7770.00	134	105	1,320	0.007	7	130
CCI DMP65R-BU4D	134	68	854	0.005	4	84
CCI OPA65R-BU4DA-K	134	52	660	0.004	3	65
CCI DMP65R-BU6DA	134	159	1,997	0.011	10	196
CCI OPA65R-BU6D	134	126	1,589	0.009	8	156
Generic Flat Platform with Handrails	134	2,500	31,434	0.172	160	3,090
Kathrein Scala Smart Bias Tee	125	10	109	0.001	1	12
Ericsson KRY 112 144/1	125	33	363	0.002	2	41
Ericsson KRY 112 71	125	40	435	0.002	2	49
RFS APX16DWV-16DWV-S-E-ACU	125	238	2,613	0.014	13	294
Commscope LNX-6515DS-VTM	125	151	1,659	0.009	8	187
Round T-Arm	120	750	7,624	0.042	39	927
		30,935	182,728	1.000	928	38,237

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)
37	143.5	46	656	0.004	3	40
36	141.5	140	1,962	0.011	10	121
35	137.5	245	3,237	0.018	16	212
34	134.5	51	641	0.004	3	44
33	132	268	3,269	0.018	17	231
32	127.5	347	3,962	0.022	20	300
31	122.5	434	4,591	0.025	23	375
30	117.5	448	4,369	0.024	22	387
29	112.5	461	4,139	0.023	21	398
28	109.875	23	201	0.001	1	20
27	107.375	597	4,896	0.027	25	516
26	102.5	641	4,811	0.026	24	554
25	99.105	233	1,637	0.009	8	201
24	96.605	741	4,962	0.027	25	641
23	94.875	58	377	0.002	2	50
22	94.2717	195	1,244	0.007	6	168
21	91.8967	546	3,317	0.018	17	472
20	87.5	739	4,088	0.022	21	639
19	82.5	762	3,761	0.021	19	658
18	77.5	784	3,433	0.019	17	678
17	72.5	807	3,106	0.017	16	697
16	67.5	829	2,782	0.015	14	717
15	62.5	852	2,464	0.014	13	736
14	57.5	875	2,153	0.012	11	756
13	53.5	536	1,148	0.006	6	463
12	51	639	1,248	0.007	6	552
11	48	1,299	2,258	0.012	11	1,122
10	45.5	184	288	0.002	1	159
9	42.5	932	1,281	0.007	7	805

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
8	37.5	954	1,031	0.006	5	824
7	32.5	977	801	0.004	4	844
6	27.5	999	594	0.003	3	863
5	22.5	1,022	412	0.002	2	883
4	17.5	1,044	260	0.001	1	902
3	12.5	1,067	139	0.001	1	922
2	7.5	1,090	53	0.000	0	941
1	2.5	1,112	7	0.000	0	961
VZW Unused Reserve (7555.68 sqin)	144	327	4,718	0.026	24	282
Samsung B5/B13 RRH-BR04C	144	211	3,046	0.017	15	182
Samsung B2/B66A RRH-BR049	144	253	3,657	0.020	19	219
RFS DB-C1-12C-24AB-0Z	144	32	462	0.002	2	28
Samsung MT6407-77A	144	245	3,536	0.019	18	211
Antel LPA-80080/4CF ___	144	72	1,040	0.006	5	62
Quintel QS6656-5D	144	528	7,627	0.042	39	456
Flat Low Profile Platform	143	1,500	21,378	0.117	109	1,296
Powerwave Allgon LGP13519	134	16	200	0.001	1	14
Powerwave Allgon LGP21401	134	85	1,064	0.006	5	73
Raycap DC6-48-60-18-8F(32.8 lbs)	134	66	825	0.004	4	57
Ericsson RRUS 4478 B14	134	180	2,260	0.012	11	155
Ericsson RRUS 4449 B5, B12	134	213	2,678	0.015	14	184
Powerwave Allgon 7770.00	134	105	1,320	0.007	7	91
CCI DMP65R-BU4D	134	68	854	0.005	4	59
CCI OPA65R-BU4DA-K	134	52	660	0.004	3	45
CCI DMP65R-BU6DA	134	159	1,997	0.011	10	137
CCI OPA65R-BU6D	134	126	1,589	0.009	8	109
Generic Flat Platform with Handrails	134	2,500	31,434	0.172	160	2,160
Kathrein Scala Smart Bias Tee	125	10	109	0.001	1	9
Ericsson KRY 112 144/1	125	33	363	0.002	2	29
Ericsson KRY 112 71	125	40	435	0.002	2	34
RFS APX16DWV-16DWV-S-E-ACU	125	238	2,613	0.014	13	205
Commscope LNX-6515DS-VTM	125	151	1,659	0.009	8	130
Round T-Arm	120	750	7,624	0.042	39	648
		30,935	182,728	1.000	928	26,726

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	-36.86	-0.93	0.00	-114.15	0.00	114.15	3,249.22	951.93	4,702	3,663.92	0.00	0.00	0.04
5.00	-35.52	-0.93	0.00	-109.50	0.00	109.50	3,212.04	928.66	4,475	3,532.96	0.00	-0.01	0.04
10.00	-34.20	-0.94	0.00	-104.82	0.00	104.82	3,172.75	905.39	4,253	3,401.79	0.02	-0.02	0.04
15.00	-32.90	-0.94	0.00	-100.13	0.00	100.13	3,131.34	882.13	4,038	3,270.59	0.04	-0.02	0.04
20.00	-31.64	-0.94	0.00	-95.42	0.00	95.42	3,087.81	858.86	3,827	3,139.53	0.07	-0.03	0.04
25.00	-30.41	-0.94	0.00	-90.71	0.00	90.71	3,042.17	835.59	3,623	3,008.79	0.11	-0.04	0.04
30.00	-29.20	-0.94	0.00	-85.98	0.00	85.98	2,994.41	812.32	3,424	2,878.54	0.15	-0.05	0.04
35.00	-28.02	-0.94	0.00	-81.26	0.00	81.26	2,944.53	789.05	3,231	2,748.97	0.21	-0.06	0.04
40.00	-26.87	-0.94	0.00	-76.55	0.00	76.55	2,892.53	765.78	3,043	2,620.24	0.28	-0.07	0.04
45.00	-26.64	-0.94	0.00	-71.85	0.00	71.85	2,838.42	742.51	2,861	2,492.54	0.36	-0.08	0.04
46.00	-25.03	-0.93	0.00	-70.91	0.00	70.91	2,827.34	737.85	2,825	2,467.14	0.37	-0.08	0.04
50.00	-24.24	-0.92	0.00	-67.20	0.00	67.20	2,782.19	719.24	2,684	2,366.04	0.45	-0.09	0.04
52.00	-23.58	-0.92	0.00	-65.35	0.00	65.35	2,786.05	720.81	2,696	2,374.54	0.48	-0.09	0.04
55.00	-22.50	-0.91	0.00	-62.59	0.00	62.59	2,751.38	706.85	2,593	2,299.23	0.55	-0.10	0.04
60.00	-21.45	-0.90	0.00	-58.05	0.00	58.05	2,691.91	683.58	2,425	2,174.91	0.66	-0.11	0.04
65.00	-20.42	-0.89	0.00	-53.55	0.00	53.55	2,630.31	660.31	2,262	2,052.24	0.78	-0.12	0.03
70.00	-19.43	-0.87	0.00	-49.12	0.00	49.12	2,566.60	637.04	2,106	1,931.38	0.91	-0.13	0.03
75.00	-18.46	-0.86	0.00	-44.76	0.00	44.76	2,500.77	613.77	1,955	1,812.53	1.05	-0.14	0.03
80.00	-17.51	-0.84	0.00	-40.47	0.00	40.47	2,432.83	590.50	1,809	1,695.84	1.21	-0.15	0.03
85.00	-16.60	-0.82	0.00	-36.28	0.00	36.28	2,362.77	567.23	1,670	1,581.51	1.38	-0.16	0.03
90.00	-15.93	-0.80	0.00	-32.19	0.00	32.19	2,290.59	543.96	1,535	1,469.71	1.55	-0.18	0.03
93.79	-15.68	-0.80	0.00	-29.15	0.00	29.15	2,228.05	526.31	1,437	1,382.72	1.70	-0.18	0.03
94.75	-15.61	-0.79	0.00	-28.39	0.00	28.39	2,209.20	521.86	1,413	1,359.31	1.74	-0.19	0.03
95.00	-14.70	-0.77	0.00	-28.19	0.00	28.19	2,204.27	520.69	1,407	1,353.22	1.75	-0.19	0.02
98.21	-14.41	-0.76	0.00	-25.73	0.00	25.73	1,110.63	308.68	824	676.41	1.87	-0.19	0.03

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
100.00	-13.62	-0.73	0.00	-24.37	0.00	24.37	1,100.89	303.68	798	659.55	1.95	-0.20	0.03
105.00	-12.88	-0.71	0.00	-20.70	0.00	20.70	1,072.24	289.72	726	612.66	2.16	-0.21	0.03
109.75	-12.85	-0.71	0.00	-17.34	0.00	17.34	1,043.07	276.45	661	568.53	2.37	-0.22	0.03
109.75	-12.85	-0.71	0.00	-17.34	0.00	17.34	1,043.07	276.45	661	568.53	2.37	-0.22	0.04
110.00	-12.28	-0.69	0.00	-17.16	0.00	17.16	1,041.48	275.75	658	566.22	2.38	-0.22	0.04
115.00	-11.73	-0.67	0.00	-13.72	0.00	13.72	1,008.60	261.79	593	520.38	2.62	-0.23	0.04
120.00	-10.26	-0.60	0.00	-10.39	0.00	10.39	973.60	247.83	531	475.34	2.87	-0.25	0.03
125.00	-9.25	-0.55	0.00	-7.39	0.00	7.39	936.49	233.87	473	431.26	3.14	-0.26	0.03
130.00	-8.92	-0.53	0.00	-4.63	0.00	4.63	897.25	219.91	418	388.32	3.42	-0.27	0.02
134.00	-4.45	-0.28	0.00	-2.50	0.00	2.50	864.34	208.74	377	354.91	3.65	-0.28	0.01
135.00	-4.14	-0.26	0.00	-2.22	0.00	2.22	855.90	205.95	367	346.70	3.70	-0.28	0.01
140.00	-3.97	-0.25	0.00	-0.89	0.00	0.89	812.44	191.98	319	306.57	4.00	-0.28	0.01
143.00	-2.06	-0.13	0.00	-0.13	0.00	0.13	777.27	183.61	292	280.37	4.18	-0.28	0.00
144.00	0.00	-0.12	0.00	0.00	0.00	0.00	765.45	180.81	283	271.87	4.23	-0.28	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	-25.76	-0.93	0.00	-112.53	0.00	112.53	3,249.22	951.93	4,702	3,663.92	0.00	0.00	0.04
5.00	-24.82	-0.93	0.00	-107.89	0.00	107.89	3,212.04	928.66	4,475	3,532.96	0.00	-0.01	0.04
10.00	-23.90	-0.93	0.00	-103.23	0.00	103.23	3,172.75	905.39	4,253	3,401.79	0.02	-0.02	0.04
15.00	-23.00	-0.94	0.00	-98.55	0.00	98.55	3,131.34	882.13	4,038	3,270.59	0.04	-0.02	0.04
20.00	-22.12	-0.94	0.00	-93.87	0.00	93.87	3,087.81	858.86	3,827	3,139.53	0.07	-0.03	0.04
25.00	-21.25	-0.94	0.00	-89.18	0.00	89.18	3,042.17	835.59	3,623	3,008.79	0.10	-0.04	0.04
30.00	-20.41	-0.94	0.00	-84.50	0.00	84.50	2,994.41	812.32	3,424	2,878.54	0.15	-0.05	0.04
35.00	-19.58	-0.93	0.00	-79.82	0.00	79.82	2,944.53	789.05	3,231	2,748.97	0.21	-0.06	0.04
40.00	-18.78	-0.93	0.00	-75.16	0.00	75.16	2,892.53	765.78	3,043	2,620.24	0.28	-0.07	0.04
45.00	-18.62	-0.93	0.00	-70.52	0.00	70.52	2,838.42	742.51	2,861	2,492.54	0.35	-0.08	0.04
46.00	-17.50	-0.92	0.00	-69.59	0.00	69.59	2,827.34	737.85	2,825	2,467.14	0.37	-0.08	0.03
50.00	-16.95	-0.91	0.00	-65.92	0.00	65.92	2,782.19	719.24	2,684	2,366.04	0.44	-0.09	0.03
52.00	-16.48	-0.91	0.00	-64.10	0.00	64.10	2,786.05	720.81	2,696	2,374.54	0.48	-0.09	0.03
55.00	-15.73	-0.90	0.00	-61.38	0.00	61.38	2,751.38	706.85	2,593	2,299.23	0.54	-0.10	0.03
60.00	-14.99	-0.89	0.00	-56.89	0.00	56.89	2,691.91	683.58	2,425	2,174.91	0.65	-0.11	0.03
65.00	-14.27	-0.87	0.00	-52.47	0.00	52.47	2,630.31	660.31	2,262	2,052.24	0.77	-0.12	0.03
70.00	-13.58	-0.86	0.00	-48.10	0.00	48.10	2,566.60	637.04	2,106	1,931.38	0.90	-0.13	0.03
75.00	-12.90	-0.84	0.00	-43.81	0.00	43.81	2,500.77	613.77	1,955	1,812.53	1.04	-0.14	0.03
80.00	-12.24	-0.82	0.00	-39.61	0.00	39.61	2,432.83	590.50	1,809	1,695.84	1.19	-0.15	0.03
85.00	-11.60	-0.80	0.00	-35.49	0.00	35.49	2,362.77	567.23	1,670	1,581.51	1.35	-0.16	0.03
90.00	-11.13	-0.79	0.00	-31.48	0.00	31.48	2,290.59	543.96	1,535	1,469.71	1.53	-0.17	0.03
93.79	-10.96	-0.78	0.00	-28.50	0.00	28.50	2,228.05	526.31	1,437	1,382.72	1.67	-0.18	0.03
94.75	-10.91	-0.78	0.00	-27.75	0.00	27.75	2,209.20	521.86	1,413	1,359.31	1.70	-0.18	0.03
95.00	-10.27	-0.75	0.00	-27.56	0.00	27.56	2,204.27	520.69	1,407	1,353.22	1.71	-0.18	0.02
98.21	-10.07	-0.74	0.00	-25.14	0.00	25.14	1,110.63	308.68	824	676.41	1.84	-0.19	0.03
100.00	-9.52	-0.72	0.00	-23.81	0.00	23.81	1,100.89	303.68	798	659.55	1.91	-0.19	0.03
105.00	-9.00	-0.69	0.00	-20.22	0.00	20.22	1,072.24	289.72	726	612.66	2.12	-0.20	0.03
109.75	-8.98	-0.69	0.00	-16.93	0.00	16.93	1,043.07	276.45	661	568.53	2.33	-0.21	0.02
109.75	-8.98	-0.69	0.00	-16.93	0.00	16.93	1,043.07	276.45	661	568.53	2.33	-0.21	0.04
110.00	-8.58	-0.67	0.00	-16.75	0.00	16.75	1,041.48	275.75	658	566.22	2.34	-0.21	0.04
115.00	-8.19	-0.65	0.00	-13.39	0.00	13.39	1,008.60	261.79	593	520.38	2.57	-0.23	0.03
120.00	-7.17	-0.59	0.00	-10.14	0.00	10.14	973.60	247.83	531	475.34	2.82	-0.24	0.03
125.00	-6.47	-0.54	0.00	-7.21	0.00	7.21	936.49	233.87	473	431.26	3.08	-0.26	0.02
130.00	-6.23	-0.52	0.00	-4.52	0.00	4.52	897.25	219.91	418	388.32	3.35	-0.27	0.02
134.00	-3.11	-0.28	0.00	-2.44	0.00	2.44	864.34	208.74	377	354.91	3.58	-0.27	0.01
135.00	-2.90	-0.26	0.00	-2.16	0.00	2.16	855.90	205.95	367	346.70	3.64	-0.27	0.01
140.00	-2.77	-0.25	0.00	-0.87	0.00	0.87	812.44	191.98	319	306.57	3.92	-0.28	0.01
143.00	-1.44	-0.13	0.00	-0.13	0.00	0.13	777.27	183.61	292	280.37	4.10	-0.28	0.00
144.00	0.00	-0.12	0.00	0.00	0.00	0.00	765.45	180.81	283	271.87	4.15	-0.28	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	20.06	0.00	37.09	0.00	0.00	2196.32	109.75	0.62
0.9D + 1.0W Normal	20.04	0.00	27.81	0.00	0.00	2170.36	109.75	0.61
1.2D + 1.0Di + 1.0Wi Normal	5.51	0.00	53.26	0.00	0.00	584.01	0.00	0.18
1.2D + 1.0Ev + 1.0Eh Normal	0.94	0.00	36.86	0.00	0.00	114.15	109.75	0.04
0.9D - 1.0Ev + 1.0Eh Normal	0.94	0.00	25.76	0.00	0.00	112.53	0.00	0.04
1.0D + 1.0W Service Normal	4.88	0.00	30.93	0.00	0.00	531.21	109.75	0.16

ADDITIONAL STEEL SUMMARY

			Intermediate Connectors				Max member		
Elev From (ft)	Elev To (ft)	Member	VQ/I	Shear Applied (kips)	Shear (phiVn) (kips)	Ratio	Pu (kip)	PhiPn (kip)	Ratio
94.75	109.75	PL PL 4 x 0.75"	244.2	2.9	38.3	0.0766	91.7	127.6	0.7184

			Upper Termination Connectors					Lower Termination Connectors				
Elev From (ft)	Elev To (ft)	Member	MQ/I	phiVn (kips)	Num Reqd	Num Actual	Ratio	MQ/I (kips)	phiVn (kip)	Num Reqd	Num Actual	Ratio
94.75	109.75	PL PL 4 x 0.75"	75.8425	38.27	2	9	0.2202	69.6263	38.27	2	9	0.2021

Base Plate & Anchor Rod Analysis

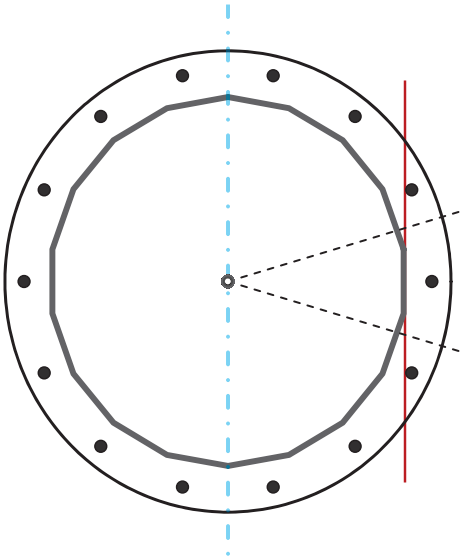
Pole Dimensions		
Number of Sides	18	-
Diameter	55	in
Thickness	5/16	in
Orientation Offset	10	°

Base Reactions		
Moment, Mu	2196.3	k-ft
Axial, Pu	37.1	k
Shear, Vu	20.1	k
Neutral Axis	270	°

Report Capacities		
Component	Capacity	Result
Base Plate	44%	Pass
Anchor Rods	52%	Pass
Dwyidag	-	-

Base Plate		
Shape	Round	-
Diameter, ø	70	in
Thickness	1 3/4	in
Grade	A572-60	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Clip	N/A	in
Orientation Offset	0	°
Anchor Rod Detail	d	η=0.5
Clear Distance	3	in
Applied Moment, Mu	405.5	k
Bending Stress, ϕMn	916.3	k

Original Anchor Rods		
Arrangement	Radial	-
Quantity	14	-
Diameter, ø	2 1/4	in
Bolt Circle	64	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	14.4	in
Orientation Offset	0	°
Applied Force, Pu	124.8	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	20.1	2196.3	1.00
Anchor Rod Forces	20.1	2196.3	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	53.4172	2.9676	0.0969		19971.23
Bolt	3.9761	3.2477	0.8393	4.5	21595.48
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	70	in
Thickness, t	1.75	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Base Plate Chord	43.301	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	64	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	124.8	k
Applied Shear, Vu	0.5	k
Compressive Capacity, ϕPn	243.6	k
Tensile Capacity, ϕRnt	0.512	OK
Interaction Capacity	0.516	OK

External Base Plate		
Chord Length AA	37.195	in
Additional AA	3.500	in
Section Modulus, Z	31.157	in^3
Applied Moment, Mu	450.3	k-ft
Bending Capacity, ϕMn	1682.5	k-ft
Capacity, Mu/ϕMn	0.268	OK
Chord Length AB	35.903	in
Additional AB	3.500	in
Section Modulus, Z	30.168	in^3
Applied Moment, Mu	352.5	k-ft
Bending Capacity, ϕMn	1629.1	k-ft
Capacity, Mu/ϕMn	0.216	OK
Bend Line Length	22.164	in
Additional Bend Line	0.000	in
Section Modulus, Z	16.969	in^3
Applied Moment, Mu	405.5	k-ft
Bending Capacity, ϕMn	916.3	k-ft
Capacity, Mu/ϕMn	0.443	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		

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
856.797.0412
peter.albano@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10068723
Maser Consulting Connecticut #: 21777223A (Rev 0)

July 2, 2021

Site Information	*Site ID:*	*468464-VZW / BARKHAMSTED W CT*
	Site Name:	*BARKHAMSTED W CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*5 Old Farm Road* *Barkhamsted, Connecticut 06057* *Litchfield County*
	Latitude:	*41.914525°*
	Longitude:	*-73.022331°*
Structure Information	*Tower Type:*	*147-Ft Monopole*
	Mount Type:	*14.17-Ft Platform*

FUZE ID # 16272040

Analysis Results

Platform: **43.0% 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: Cody Sherman

Digitally signed by Derek Hartzell
Date: 2021.07.02 11:22:44-07'00'

Executive Summary:

The objective of this report is to summarize the analysis results of the antenna support mount including the proposed modifications at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards.

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: 323420, dated November 16, 2020*
Mount Mapping Report	*Roaming Networks Inc., Site #: 468464, dated March 30, 2021*
Previous Mount Analysis	*Maser Consulting Project #: 21777223A, dated May 4, 2021*
Mount Modification Drawings	*Maser Consulting Project #: 21777223A, dated July 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:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.971
Seismic Parameters:	S_S:	0.169
	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 mount:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
142.8	145.0	6	Quintel	QS6656-5D	Added
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
		6	Antel	LPA-80063/4CF	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 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 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, 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 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.

Analysis Results:

Component	Utilization %	Pass/Fail
Proposed Support Rail	*22.0%*	*Pass*
Proposed Support Angle	*12.0%*	*Pass*
Proposed Kicker	*12.0%*	*Pass*
Standoff Horizontal	*23.0%*	*Pass*
Face Horizontal	*17.0%*	*Pass*
Mount Pipe	*27.0%*	*Pass*
Dual Mount Pipe	*26.0%*	*Pass*
Mount Connection	*42.2%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**42.2%**

Recommendation:

The existing mount(s) will be **SUFFICIENT** for the final loading after the proposed modifications are successfully completed.

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 PMI Report Deliverables**
5. Antenna Placement Diagrams


03/26/2021 12:28:08
BARKHAMSTED W CT


03/26/2021 14:48:47
-73.022311, 41.91458697222222
BARKHAMSTED W CT

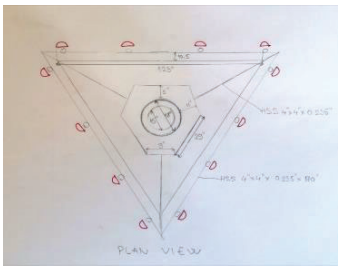
V3.0 Updated on 8-31-2020

PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC # 411177

Tower Owner:	OTHER	**Mapping Date:**	03.30.2021.
Site Name:	BARKHAMSTED W CT	**Tower Type:**	Monopole
Site Number or ID:	468464	**Tower Height (Ft.):**	147
Mapping Contractor:	Roaming Networks inc.	**Mount Elevation (Ft.):**	144



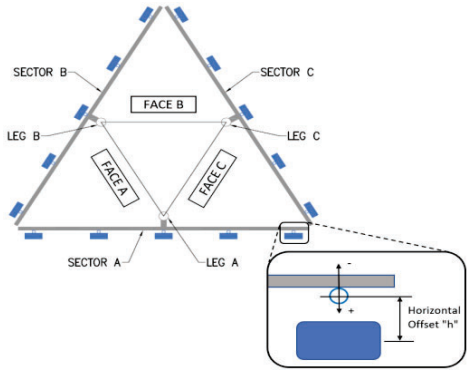
Mount Pipe Configuration and Geometries [Unit = Inches]

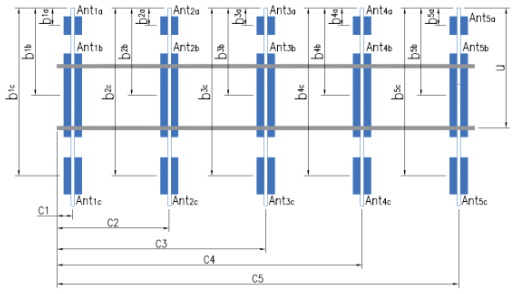
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE1 2.37"Ø x 0.16" x 102.5"	50.00	14.00	C1	PIPE1 2.37"Ø x 0.16" x 102.5"	50.00	14.00
A2	PIPE2 2.37"Ø x 0.16" x 102.5"	50.00	65.00	C2	PIPE2 2.37"Ø x 0.16" x 102.5"	50.00	65.00
A3	PIPE3 2.37"Ø x 0.16" x 102.5"	50.00	129.00	C3	PIPE3 2.37"Ø x 0.16" x 102.5"	50.00	129.00
A4	PIPE4 2.37"Ø x 0.16" x 102.5"	50.00	136.00	C4	PIPE4 2.37"Ø x 0.16" x 102.5"	50.00	136.00
A5				C5			
A6				C6			
B1	PIPE1 2.37"Ø x 0.16" x 102.5"	50.00	14.00	D1			
B2	PIPE2 2.37"Ø x 0.16" x 102.5"	50.00	65.00	D2			
B3	PIPE3 2.37"Ø x 0.16" x 102.5"	50.00	129.00	D3			
B4	PIPE4 2.37"Ø x 0.16" x 102.5"	50.00	136.00	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.) :	112

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.):	58



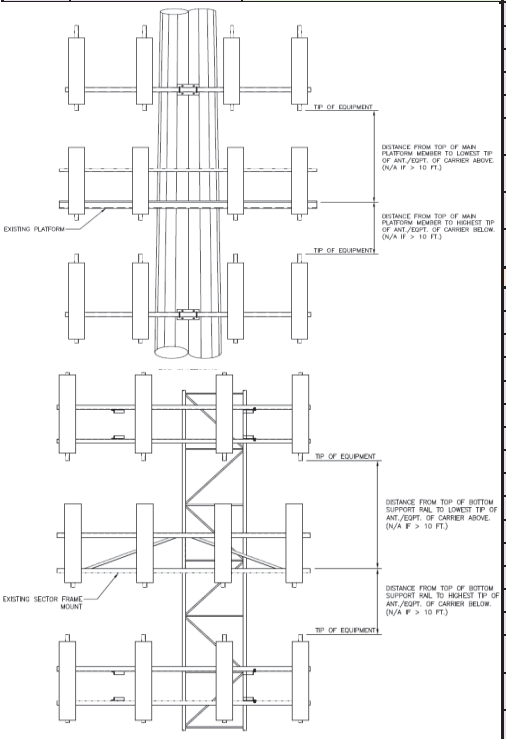


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
					Sector A					
Ant_{1a}	UNKNOWN	15.00	9.00	49.00		146.417	21.00	14.00	2.00	173
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	UNKNOWN	11.00	6.00	73.00		145.333	34.00	9.00	2.00	173
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	UNKNOWN	6.00	8.00	72.00		145.25	35.00	18.00	2.00	174
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	UNKNOWN	14.00	9.00	48.00		146.167	24.00	13.00	2.00	174
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	2.00	Deg	Leg A:	Deg
Sector B:	122.00	Deg	Leg B:	Deg
Sector C:	142.00	Deg	Leg C:	Deg
Sector D:		Deg	Leg D:	Deg

Climbing Facility Information			
Location:	2.00	Deg	Sector A
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}	UNKNOWN	15.00	9.00	49.00		146.417	21.00	14.00	103.00	183
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	UNKNOWN	11.00	6.00	73.00		145.333	34.00	9.00	103.00	183
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	UNKNOWN	6.00	8.00	72.00		145.25	35.00	18.00	103.00	184
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	UNKNOWN	14.00	9.00	48.00		146.167	24.00	13.00	103.00	184
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}	UNKNOWN	15.00	9.00	49.00		146.417	21.00	14.00	217.00	195
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	UNKNOWN	11.00	6.00	73.00		145.333	34.00	9.00	217.00	195
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	UNKNOWN	6.00	8.00	72.00		145.25	35.00	18.00	217.00	196
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	UNKNOWN	14.00	9.00	48.00		146.167	24.00	13.00	217.00	196
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2		
3		
4		
5		
6		
7		
8		

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

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

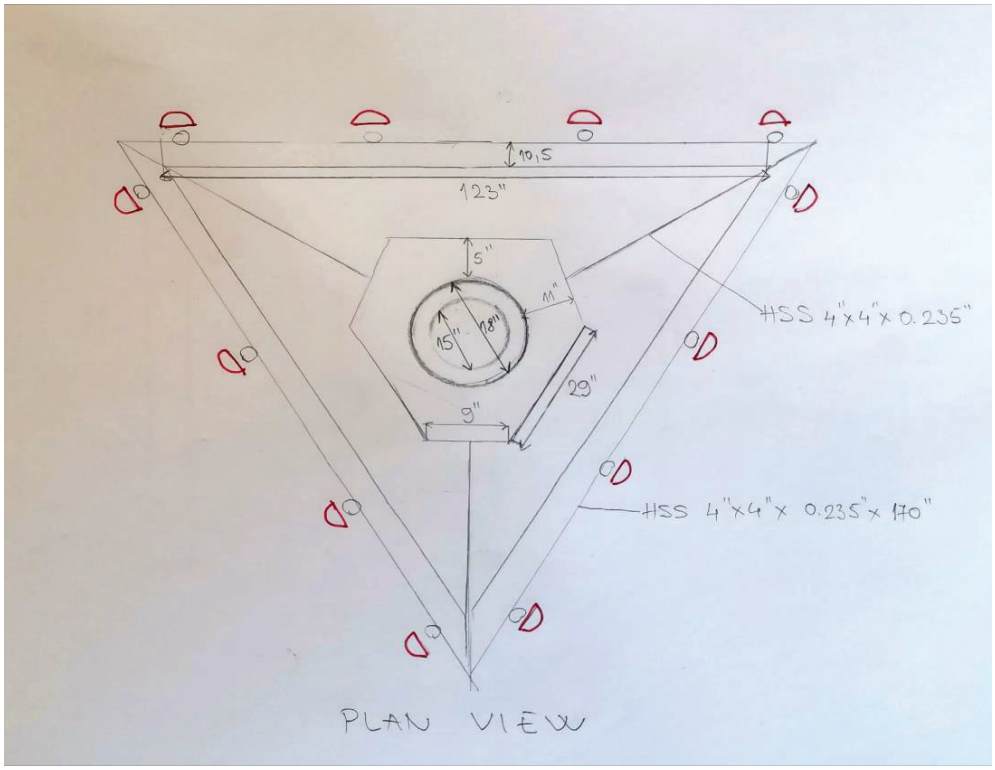
PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

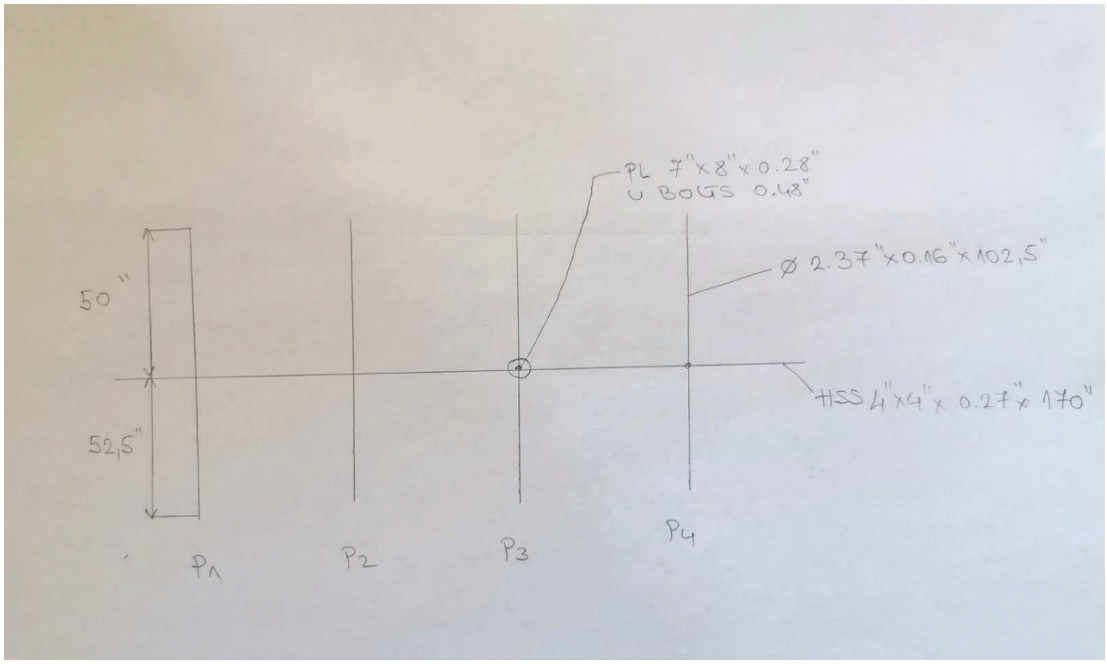
FCC # 411177

Tower Owner:	OTHER	**Mapping Date:**	03.30.2021.
Site Name:	BARKHAMSTED W CT	**Tower Type:**	Monopole
Site Number or ID:	468464	**Tower Height (Ft.):**	147
Mapping Contractor:	Roaming Networks inc.	**Mount Elevation (Ft.):**	144

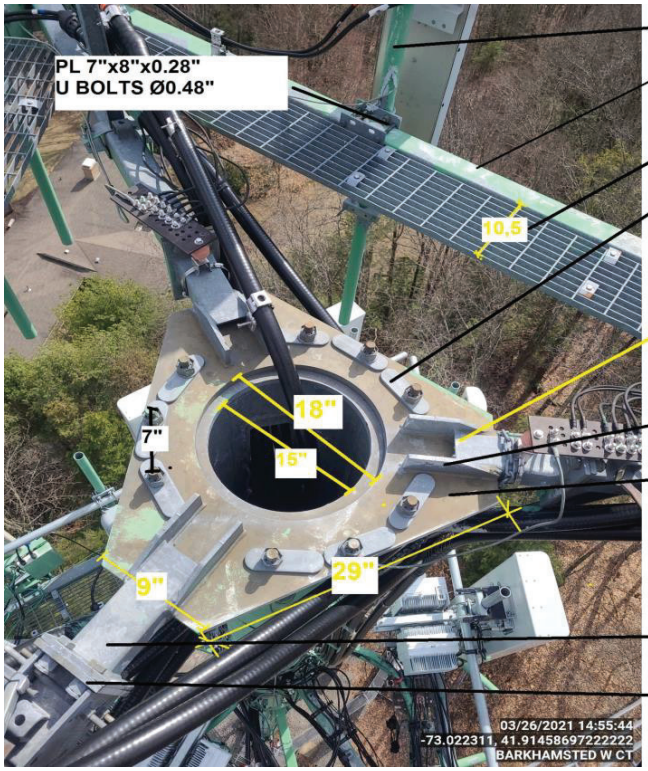
Please Insert Sketches of the Antenna Mount



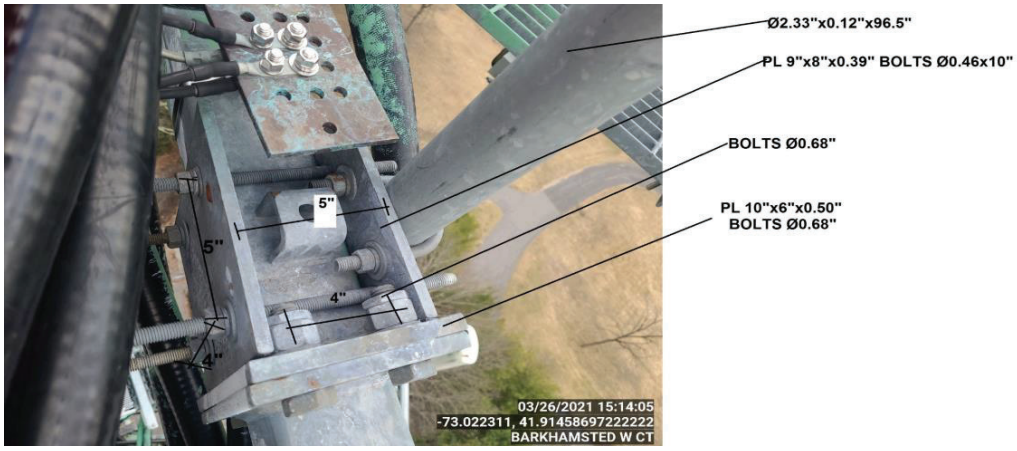
Please Insert Sketches of the Antenna Mount, cont'd

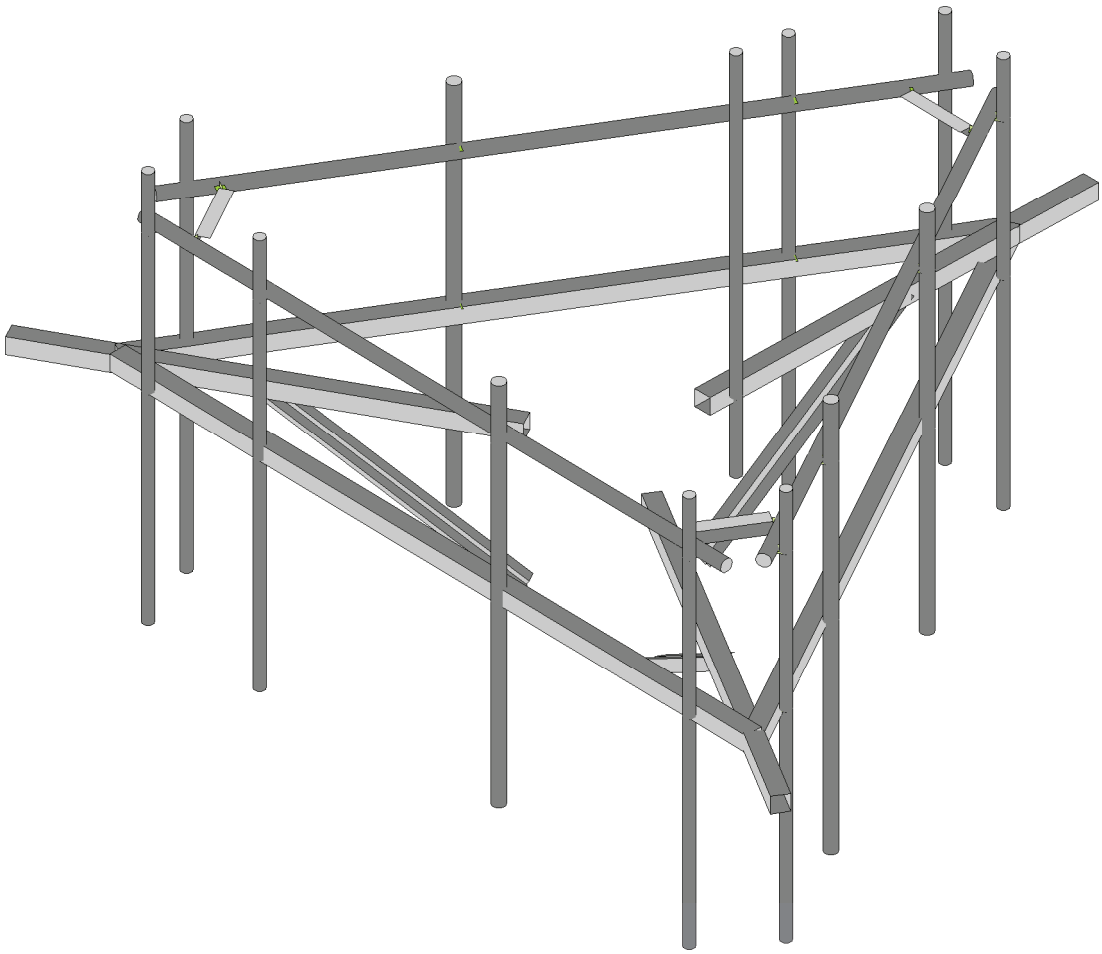


Please Insert Sketches of the Antenna Mount, cont'd



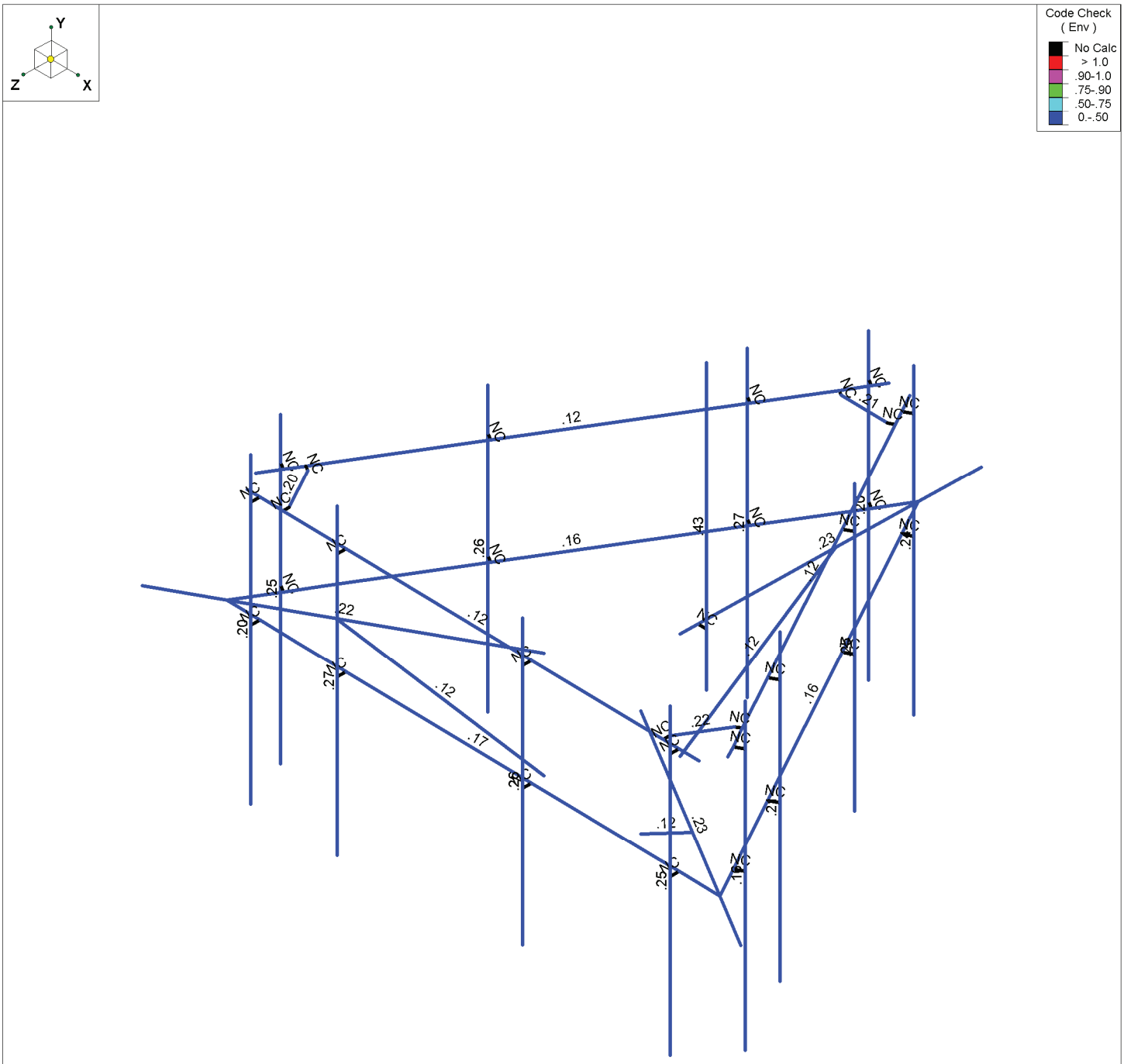
Please Insert Sketches of the Antenna Mount, cont'd





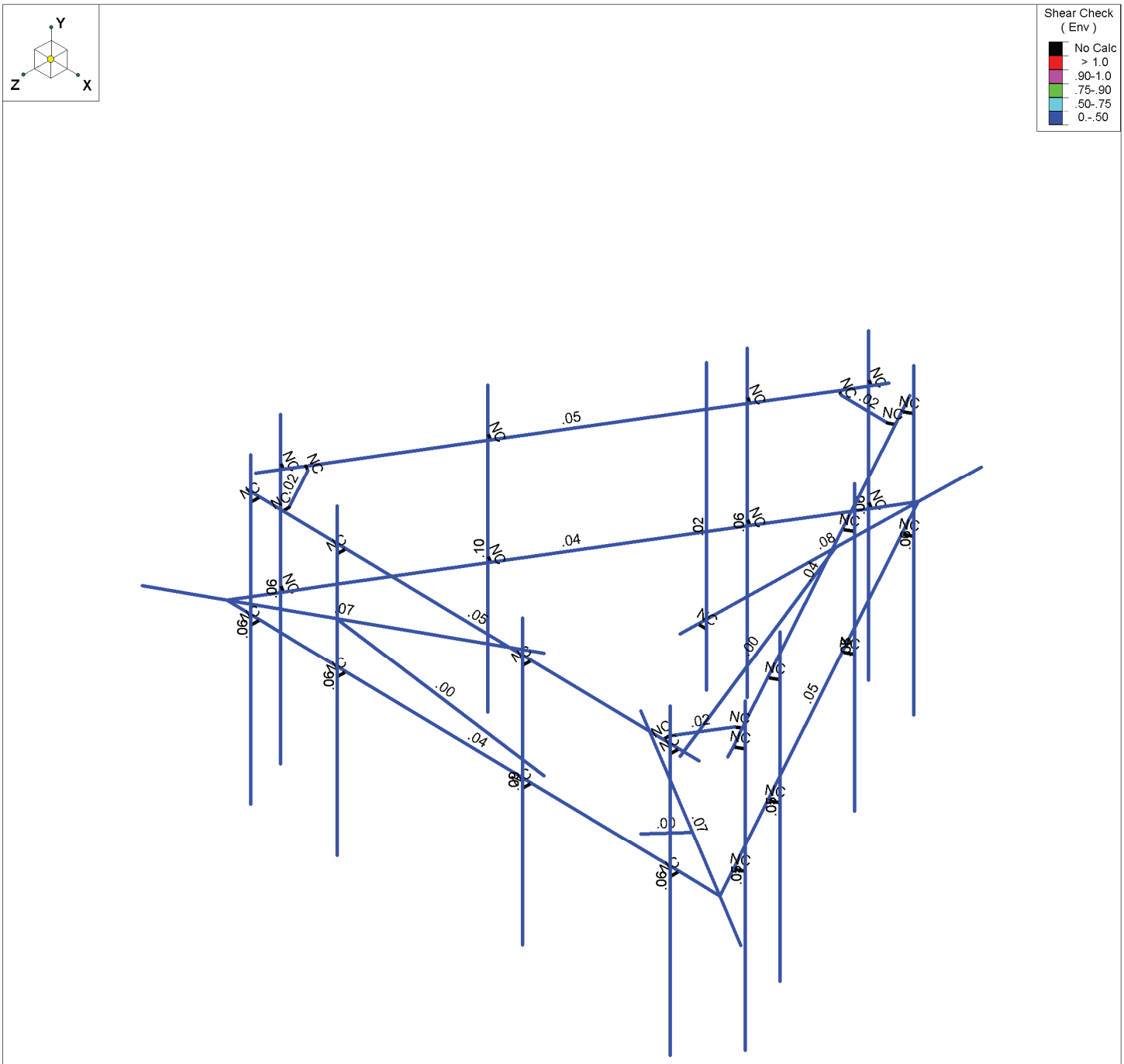
Envelope Only Solution

		SK - 1
		June 29, 2021 at 12:29 AM
		468464-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		June 29, 2021 at 12:29 AM
		468464-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		June 29, 2021 at 12:29 AM
		468464-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Antenna D	None					111			
2	Antenna Di	None					111			
3	Antenna Wo (0 Deg)	None					111			
4	Antenna Wo (30 Deg)	None					111			
5	Antenna Wo (60 Deg)	None					111			
6	Antenna Wo (90 Deg)	None					111			
7	Antenna Wo (120 Deg)	None					111			
8	Antenna Wo (150 Deg)	None					111			
9	Antenna Wo (180 Deg)	None					111			
10	Antenna Wo (210 Deg)	None					111			
11	Antenna Wo (240 Deg)	None					111			
12	Antenna Wo (270 Deg)	None					111			
13	Antenna Wo (300 Deg)	None					111			
14	Antenna Wo (330 Deg)	None					111			
15	Antenna Wi (0 Deg)	None					111			
16	Antenna Wi (30 Deg)	None					111			
17	Antenna Wi (60 Deg)	None					111			
18	Antenna Wi (90 Deg)	None					111			
19	Antenna Wi (120 Deg)	None					111			
20	Antenna Wi (150 Deg)	None					111			
21	Antenna Wi (180 Deg)	None					111			
22	Antenna Wi (210 Deg)	None					111			
23	Antenna Wi (240 Deg)	None					111			
24	Antenna Wi (270 Deg)	None					111			
25	Antenna Wi (300 Deg)	None					111			
26	Antenna Wi (330 Deg)	None					111			
27	Antenna Wm (0 Deg)	None					111			
28	Antenna Wm (30 Deg)	None					111			
29	Antenna Wm (60 Deg)	None					111			
30	Antenna Wm (90 Deg)	None					111			
31	Antenna Wm (120 Deg)	None					111			
32	Antenna Wm (150 Deg)	None					111			
33	Antenna Wm (180 Deg)	None					111			
34	Antenna Wm (210 Deg)	None					111			
35	Antenna Wm (240 Deg)	None					111			
36	Antenna Wm (270 Deg)	None					111			
37	Antenna Wm (300 Deg)	None					111			
38	Antenna Wm (330 Deg)	None					111			
39	Structure D	None		-1					3	
40	Structure Di	None						28	3	
41	Structure Wo (0 Deg)	None						56		
42	Structure Wo (30 Deg)	None						56		
43	Structure Wo (60 Deg)	None						56		
44	Structure Wo (90 Deg)	None						56		
45	Structure Wo (120 Deg)	None						56		
46	Structure Wo (150 Deg)	None						56		
47	Structure Wo (180 Deg)	None						56		
48	Structure Wo (210 Deg)	None						56		
49	Structure Wo (240 Deg)	None						56		
50	Structure Wo (270 Deg)	None						56		
51	Structure Wo (300 Deg)	None						56		
52	Structure Wo (330 Deg)	None						56		
53	Structure Wi (0 Deg)	None						56		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
54	Structure Wi (30 Deg)	None						56		
55	Structure Wi (60 Deg)	None						56		
56	Structure Wi (90 Deg)	None						56		
57	Structure Wi (120 Deg)	None						56		
58	Structure Wi (150 Deg)	None						56		
59	Structure Wi (180 Deg)	None						56		
60	Structure Wi (210 Deg)	None						56		
61	Structure Wi (240 Deg)	None						56		
62	Structure Wi (270 Deg)	None						56		
63	Structure Wi (300 Deg)	None						56		
64	Structure Wi (330 Deg)	None						56		
65	Structure Wm (0 Deg)	None						56		
66	Structure Wm (30 Deg)	None						56		
67	Structure Wm (60 Deg)	None						56		
68	Structure Wm (90 Deg)	None						56		
69	Structure Wm (120 Deg)	None						56		
70	Structure Wm (150 Deg)	None						56		
71	Structure Wm (180 Deg)	None						56		
72	Structure Wm (210 Deg)	None						56		
73	Structure Wm (240 Deg)	None						56		
74	Structure Wm (270 Deg)	None						56		
75	Structure Wm (300 Deg)	None						56		
76	Structure Wm (330 Deg)	None						56		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Area Loads	None						3		
82	BLC 40 Transient Area Loads	None						3		

Load Combinations

	Description	S...	PDelta	S...	B...	Fa...	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 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (30...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0Wi (60...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi (90...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi (12...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (15...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (18...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (21...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (24...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi (27...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi (30...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
24	1.2D + 1.0Di + 1.0Wi (33...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm...	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																

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	0	0	-1.614583	0	
2	N27	0	0	-9.945417	0	
3	CP	0	0	0	0	
4	N68B	7.097013	0	4.097463	0	
5	N69A	0	0	-8.194925	0	
6	N72A	-7.097013	0	4.097463	0	
7	N64	-1.39827	0	0.807292	0	
8	N65	-8.612983	0	4.972708	0	
9	N67	1.39827	0	0.807292	0	
10	N68A	8.612983	0	4.972708	0	
11	N11	5.930347	0	4.097463	0	
12	N12	1.680347	0	4.097463	0	
13	N13	-3.652987	0	4.097463	0	
14	N14	-6.13932	0	4.097463	0	
15	N19A	5.930347	0	4.347463	0	
16	N20	1.680347	0	4.347463	0	
17	N21	-3.652987	0	4.347463	0	
18	N22	-6.13932	0	4.347463	0	
19	N23	5.930347	4.166667	4.347463	0	
20	N24	1.680347	4.166667	4.347463	0	
21	N25	-3.652987	4.166667	4.347463	0	
22	N26	-6.13932	4.166667	4.347463	0	
23	N27A	5.930347	-4.375	4.347463	0	
24	N28	1.680347	-3.833333	4.347463	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
25	N29	-3.652987	-4.375	4.347463	0	
26	N30	-6.13932	-4.375	4.347463	0	
27	N32	0.583333	0	-7.184562	0	
28	N33	2.708333	0	-3.503954	0	
29	N34	5.375	0	1.114848	0	
30	N36	0.79984	0	-7.309562	0	
31	N37	2.92484	0	-3.628954	0	
32	N38	5.591506	0	0.989848	0	
33	N40	0.79984	4.166667	-7.309562	0	
34	N41	2.92484	4.166667	-3.628954	0	
35	N42	5.591506	4.166667	0.989848	0	
36	N44	0.79984	-4.375	-7.309562	0	
37	N45	2.92484	-3.833333	-3.628954	0	
38	N46	5.591506	-4.375	0.989848	0	
39	N49	-6.51368	0	3.0871	0	
40	N50	-4.38868	0	-0.593508	0	
41	N51	-1.722013	0	-5.212311	0	
42	N53	-6.730186	0	2.9621	0	
43	N54	-4.605186	0	-0.718508	0	
44	N55	-1.93852	0	-5.337311	0	
45	N57	-6.730186	4.166667	2.9621	0	
46	N58	-4.605186	4.166667	-0.718508	0	
47	N59	-1.93852	4.166667	-5.337311	0	
48	N61	-6.730186	-4.375	2.9621	0	
49	N62	-4.605186	-3.833333	-0.718508	0	
50	N63	-1.93852	-4.375	-5.337311	0	
51	N74	0	0	-2.114583	0	
52	N75	.25	0	-2.114583	0	
53	N76	.25	-1.5	-2.114583	0	
54	N77	.25	6.5	-2.114583	0	
55	N77A	5.125	0	2.95892	0	
56	N78	0.	0	-5.91784	0	
57	N80	-5.125	0	2.95892	0	
58	N75A	0	-3	-1.614583	0	
59	N77B	-1.39827	-3	0.807292	0	
60	N79	1.39827	-3	0.807292	0	
61	N78A	6.500013	3	4.097463	0	
62	N79A	-6.500013	3	4.097463	0	
63	N80A	5.930347	3	4.097463	0	
64	N81	1.680347	3	4.097463	0	
65	N82	-3.652987	3	4.097463	0	
66	N83	-6.13932	3	4.097463	0	
67	N84	5.930347	3	4.347463	0	
68	N85	1.680347	3	4.347463	0	
69	N86	-3.652987	3	4.347463	0	
70	N87	-6.13932	3	4.347463	0	
71	N71	6.618167	0	3.268076	0	
72	N72	6.834673	0	3.143076	0	
73	N73	6.834673	4.166667	3.143076	0	
74	N74A	6.834673	-4.375	3.143076	0	
75	N75B	0.2985	3	-7.677908	0	
76	N76A	6.798513	3	3.580445	0	
77	N77C	6.618167	3	3.268076	0	
78	N78B	6.834673	3	3.143076	0	
79	N79B	-0.478847	0	-7.365538	0	
80	N80B	-0.695353	0	-7.490538	0	
81	N81A	-0.695353	4.166667	-7.490538	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
82	N82A	-0.695353	-4.375	-7.490538	0	
83	N83A	-6.798513	3	3.580445	0	
84	N84A	-0.2985	3	-7.677908	0	
85	N85A	-0.478847	3	-7.365538	0	
86	N86A	-0.695353	3	-7.490538	0	
87	N87A	-5.472653	3	4.097463	0	
88	N88	-5.472653	3	3.930796	0	
89	N89	5.472653	3	4.097463	0	
90	N90	5.472653	3	3.930796	0	
91	N91	0.583333	3	-7.184562	0	
92	N92	2.708333	3	-3.503954	0	
93	N93	5.375	3	1.114848	0	
94	N94	0.79984	3	-7.309562	0	
95	N95	2.92484	3	-3.628954	0	
96	N96	5.591506	3	0.989848	0	
97	N97	6.284833	3	2.690726	0	
98	N98	6.140496	3	2.774059	0	
99	N99	0.81218	3	-6.788188	0	
100	N100	0.667842	3	-6.704855	0	
101	N101	-6.51368	3	3.0871	0	
102	N102	-4.38868	3	-0.593508	0	
103	N103	-1.722013	3	-5.212311	0	
104	N104	-6.730186	3	2.9621	0	
105	N105	-4.605186	3	-0.718508	0	
106	N106	-1.93852	3	-5.337311	0	
107	N107	-0.81218	3	-6.788188	0	
108	N108	-0.667842	3	-6.704855	0	
109	N109	-6.284833	3	2.690726	0	
110	N110	-6.140496	3	2.774059	0	
111	N111	5.125	0	4.097462	0	
112	N112	-5.125	0	4.097462	0	
113	N113	0.986006	0	-6.487111	0	
114	N114	6.111006	0	2.389649	0	
115	N115	-6.111006	0	2.389649	0	
116	N116	-0.986006	0	-6.487111	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
4	Dual Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
5	Kicker	LL3x3x3x3	Column	Double Angle (3/...	A36 Gr.36	Typical	2.18	4.09	1.9	.027
6	Support Rail	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
7	Support Rail Corner	L3X3X4	Column	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Hot Rolled Steel Properties (Continued)

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M68B	N72A	N68B			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
3	M25A	N68B	N69A			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
4	M26A	N69A	N72A			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
5	M25	N64	N65			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
6	M26	N67	N68A			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
7	M7	N22	N14			RIGID	None	None	RIGID	Typical
8	M8	N21	N13			RIGID	None	None	RIGID	Typical
9	M9	N20	N12			RIGID	None	None	RIGID	Typical
10	M10	N19A	N11			RIGID	None	None	RIGID	Typical
11	MP4A	N26	N30			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	MP3A	N25	N29			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
13	MP2A	N24	N28			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
14	MP1A	N23	N27A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
15	M16	N38	N34			RIGID	None	None	RIGID	Typical
16	M17	N37	N33			RIGID	None	None	RIGID	Typical
17	M18	N36	N32			RIGID	None	None	RIGID	Typical
18	MP3C	N42	N46			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
19	MP2C	N41	N45			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
20	MP1C	N40	N44			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
21	M24	N55	N51			RIGID	None	None	RIGID	Typical
22	M25B	N54	N50			RIGID	None	None	RIGID	Typical
23	M26B	N53	N49			RIGID	None	None	RIGID	Typical
24	MP3B	N59	N63			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
25	MP2B	N58	N62			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
26	MP1B	N57	N61			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
27	M31	N74	N75			RIGID	None	None	RIGID	Typical
28	OVP	N77	N76			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
29	M33	N78	N75A			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
30	M34	N80	N77B			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
31	M35	N77A	N79			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
32	M36	N79A	N78A			Support Rail	Column	Pipe	A53 Gr.B	Typical
33	M37	N87	N83			RIGID	None	None	RIGID	Typical
34	M38	N86	N82			RIGID	None	None	RIGID	Typical
35	M39	N85	N81			RIGID	None	None	RIGID	Typical
36	M40	N84	N80A			RIGID	None	None	RIGID	Typical
37	M37A	N72	N71			RIGID	None	None	RIGID	Typical
38	MP4C	N73	N74A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
39	M39A	N76A	N75B			Support Rail	Column	Pipe	A53 Gr.B	Typical
40	M40A	N78B	N77C			RIGID	None	None	RIGID	Typical
41	M41	N80B	N79B			RIGID	None	None	RIGID	Typical
42	MP4B	N81A	N82A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
43	M43	N84A	N83A			Support Rail	Column	Pipe	A53 Gr.B	Typical
44	M44	N86A	N85A			RIGID	None	None	RIGID	Typical
45	M45	N87A	N88			RIGID	None	None	RIGID	Typical
46	M46	N89	N90			RIGID	None	None	RIGID	Typical
47	M47	N96	N93			RIGID	None	None	RIGID	Typical
48	M48	N95	N92			RIGID	None	None	RIGID	Typical
49	M49	N94	N91			RIGID	None	None	RIGID	Typical
50	M50	N97	N98			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
51	M51	N99	N100			RIGID	None	None	RIGID	Typical
52	M52	N106	N103			RIGID	None	None	RIGID	Typical
53	M53	N105	N102			RIGID	None	None	RIGID	Typical
54	M54	N104	N101			RIGID	None	None	RIGID	Typical
55	M55	N107	N108			RIGID	None	None	RIGID	Typical
56	M56	N109	N110			RIGID	None	None	RIGID	Typical
57	M57	N88	N110		90	Support Rail C...	Column	Single Angle	A36 Gr.36	Typical
58	M58	N108	N100		90	Support Rail C...	Column	Single Angle	A36 Gr.36	Typical
59	M59	N98	N90		90	Support Rail C...	Column	Single Angle	A36 Gr.36	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	M4						Yes				None
2	M68B						Yes				None
3	M25A						Yes				None
4	M26A						Yes				None
5	M25						Yes				None
6	M26						Yes				None
7	M7						Yes	** NA **			None
8	M8						Yes	** NA **			None
9	M9						Yes	** NA **			None
10	M10						Yes	** NA **			None
11	MP4A						Yes	** NA **			None
12	MP3A						Yes	** NA **			None
13	MP2A						Yes	** NA **			None
14	MP1A						Yes	** NA **			None
15	M16						Yes	** NA **			None
16	M17						Yes	** NA **			None
17	M18						Yes	** NA **			None
18	MP3C						Yes	** NA **			None
19	MP2C						Yes	** NA **			None
20	MP1C						Yes	** NA **			None
21	M24						Yes	** NA **			None
22	M25B						Yes	** NA **			None
23	M26B						Yes	** NA **			None
24	MP3B						Yes	** NA **			None
25	MP2B						Yes	** NA **			None
26	MP1B						Yes	** NA **			None
27	M31						Yes	** NA **			None
28	OVP						Yes	** NA **			None
29	M33	BenPIN	BenPIN				Yes	** NA **			None
30	M34	BenPIN	BenPIN				Yes	** NA **			None
31	M35	BenPIN	BenPIN				Yes	** NA **			None
32	M36						Yes	** NA **			None
33	M37						Yes	** NA **			None
34	M38						Yes	** NA **			None
35	M39						Yes	** NA **			None
36	M40						Yes	** NA **			None
37	M37A						Yes	** NA **			None
38	MP4C						Yes	** NA **			None
39	M39A						Yes	** NA **			None
40	M40A						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	MP4B						Yes	** NA **			None
43	M43						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...
44	M44						Yes	** NA **			None
45	M45	OOOOOX					Yes	** NA **			None
46	M46	OOOOOX					Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49						Yes	** NA **			None
50	M50	OOOOOX					Yes	** NA **			None
51	M51	OOOOOX					Yes	** NA **			None
52	M52						Yes	** NA **			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55	OOOOOX					Yes	** NA **			None
56	M56	OOOOOX					Yes	** NA **			None
57	M57						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-32.5	.92
2	MP2A	My	-.024	.92
3	MP2A	Mz	.022	.92
4	MP2A	Y	-32.5	4.92
5	MP2A	My	-.024	4.92
6	MP2A	Mz	.022	4.92
7	MP2B	Y	-32.5	.92
8	MP2B	My	.029	.92
9	MP2B	Mz	.015	.92
10	MP2B	Y	-32.5	4.92
11	MP2B	My	.029	4.92
12	MP2B	Mz	.015	4.92
13	MP2C	Y	-32.5	.92
14	MP2C	My	.029	.92
15	MP2C	Mz	.015	.92
16	MP2C	Y	-32.5	4.92
17	MP2C	My	.029	4.92
18	MP2C	Mz	.015	4.92
19	MP2A	Y	-32.5	.92
20	MP2A	My	-.024	.92
21	MP2A	Mz	-.022	.92
22	MP2A	Y	-32.5	4.92
23	MP2A	My	-.024	4.92
24	MP2A	Mz	-.022	4.92
25	MP2B	Y	-32.5	.92
26	MP2B	My	.031	.92
27	MP2B	Mz	-.01	.92
28	MP2B	Y	-32.5	4.92
29	MP2B	My	.031	4.92
30	MP2B	Mz	-.01	4.92
31	MP2C	Y	-32.5	.92
32	MP2C	My	-.012	.92
33	MP2C	Mz	.03	.92
34	MP2C	Y	-32.5	4.92
35	MP2C	My	-.012	4.92
36	MP2C	Mz	.03	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	Y	-43.55	1
38	MP3A	My	-.033	1
39	MP3A	Mz	0	1
40	MP3A	Y	-43.55	3
41	MP3A	My	-.033	3
42	MP3A	Mz	0	3
43	MP3B	Y	-43.55	1
44	MP3B	My	.016	1
45	MP3B	Mz	-.028	1
46	MP3B	Y	-43.55	3
47	MP3B	My	.016	3
48	MP3B	Mz	-.028	3
49	MP3C	Y	-43.55	1
50	MP3C	My	.011	1
51	MP3C	Mz	.031	1
52	MP3C	Y	-43.55	3
53	MP3C	My	.011	3
54	MP3C	Mz	.031	3
55	MP1A	Y	-84.4	3
56	MP1A	My	.042	3
57	MP1A	Mz	0	3
58	MP1B	Y	-84.4	3
59	MP1B	My	-.021	3
60	MP1B	Mz	.037	3
61	MP1C	Y	-84.4	3
62	MP1C	My	-.014	3
63	MP1C	Mz	-.04	3
64	MP2A	Y	-70.3	3
65	MP2A	My	.035	3
66	MP2A	Mz	0	3
67	MP2B	Y	-70.3	3
68	MP2B	My	-.018	3
69	MP2B	Mz	.03	3
70	MP2C	Y	-70.3	3
71	MP2C	My	-.012	3
72	MP2C	Mz	-.033	3
73	OVP	Y	-32	1
74	OVP	My	0	1
75	OVP	Mz	0	1
76	MP1A	Y	-10	1
77	MP1A	My	-.007	1
78	MP1A	Mz	0	1
79	MP1A	Y	-10	3
80	MP1A	My	-.007	3
81	MP1A	Mz	0	3
82	MP1B	Y	-10	1
83	MP1B	My	.004	1
84	MP1B	Mz	-.006	1
85	MP1B	Y	-10	3
86	MP1B	My	.004	3
87	MP1B	Mz	-.006	3
88	MP1C	Y	-10	1
89	MP1C	My	.003	1
90	MP1C	Mz	.007	1
91	MP1C	Y	-10	3
92	MP1C	My	.003	3
93	MP1C	Mz	.007	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP4A	Y	-10	1
95	MP4A	My	-.007	1
96	MP4A	Mz	0	1
97	MP4A	Y	-10	3
98	MP4A	My	-.007	3
99	MP4A	Mz	0	3
100	MP4B	Y	-10	1
101	MP4B	My	.004	1
102	MP4B	Mz	-.006	1
103	MP4B	Y	-10	3
104	MP4B	My	.004	3
105	MP4B	Mz	-.006	3
106	MP4C	Y	-10	1
107	MP4C	My	.003	1
108	MP4C	Mz	.007	1
109	MP4C	Y	-10	3
110	MP4C	My	.003	3
111	MP4C	Mz	.007	3

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-69.166	.92
2	MP2A	My	-.052	.92
3	MP2A	Mz	.046	.92
4	MP2A	Y	-69.166	4.92
5	MP2A	My	-.052	4.92
6	MP2A	Mz	.046	4.92
7	MP2B	Y	-69.166	.92
8	MP2B	My	.061	.92
9	MP2B	Mz	.033	.92
10	MP2B	Y	-69.166	4.92
11	MP2B	My	.061	4.92
12	MP2B	Mz	.033	4.92
13	MP2C	Y	-69.166	.92
14	MP2C	My	.061	.92
15	MP2C	Mz	.033	.92
16	MP2C	Y	-69.166	4.92
17	MP2C	My	.061	4.92
18	MP2C	Mz	.033	4.92
19	MP2A	Y	-69.166	.92
20	MP2A	My	-.052	.92
21	MP2A	Mz	-.046	.92
22	MP2A	Y	-69.166	4.92
23	MP2A	My	-.052	4.92
24	MP2A	Mz	-.046	4.92
25	MP2B	Y	-69.166	.92
26	MP2B	My	.066	.92
27	MP2B	Mz	-.022	.92
28	MP2B	Y	-69.166	4.92
29	MP2B	My	.066	4.92
30	MP2B	Mz	-.022	4.92
31	MP2C	Y	-69.166	.92
32	MP2C	My	-.026	.92
33	MP2C	Mz	.065	.92
34	MP2C	Y	-69.166	4.92
35	MP2C	My	-.026	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mz	.065	4.92
37	MP3A	Y	-35.743	1
38	MP3A	My	-.027	1
39	MP3A	Mz	0	1
40	MP3A	Y	-35.743	3
41	MP3A	My	-.027	3
42	MP3A	Mz	0	3
43	MP3B	Y	-35.743	1
44	MP3B	My	.013	1
45	MP3B	Mz	-.023	1
46	MP3B	Y	-35.743	3
47	MP3B	My	.013	3
48	MP3B	Mz	-.023	3
49	MP3C	Y	-35.743	1
50	MP3C	My	.009	1
51	MP3C	Mz	.025	1
52	MP3C	Y	-35.743	3
53	MP3C	My	.009	3
54	MP3C	Mz	.025	3
55	MP1A	Y	-45.066	3
56	MP1A	My	.023	3
57	MP1A	Mz	0	3
58	MP1B	Y	-45.066	3
59	MP1B	My	-.011	3
60	MP1B	Mz	.02	3
61	MP1C	Y	-45.066	3
62	MP1C	My	-.008	3
63	MP1C	Mz	-.021	3
64	MP2A	Y	-40.529	3
65	MP2A	My	.02	3
66	MP2A	Mz	0	3
67	MP2B	Y	-40.529	3
68	MP2B	My	-.01	3
69	MP2B	Mz	.018	3
70	MP2C	Y	-40.529	3
71	MP2C	My	-.007	3
72	MP2C	Mz	-.019	3
73	OVP	Y	-76.223	1
74	OVP	My	0	1
75	OVP	Mz	0	1
76	MP1A	Y	-63.072	1
77	MP1A	My	-.047	1
78	MP1A	Mz	0	1
79	MP1A	Y	-63.072	3
80	MP1A	My	-.047	3
81	MP1A	Mz	0	3
82	MP1B	Y	-63.072	1
83	MP1B	My	.024	1
84	MP1B	Mz	-.041	1
85	MP1B	Y	-63.072	3
86	MP1B	My	.024	3
87	MP1B	Mz	-.041	3
88	MP1C	Y	-63.072	1
89	MP1C	My	.016	1
90	MP1C	Mz	.044	1
91	MP1C	Y	-63.072	3
92	MP1C	My	.016	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP1C	Mz	.044	3
94	MP4A	Y	-63.072	1
95	MP4A	My	-.047	1
96	MP4A	Mz	0	1
97	MP4A	Y	-63.072	3
98	MP4A	My	-.047	3
99	MP4A	Mz	0	3
100	MP4B	Y	-63.072	1
101	MP4B	My	.024	1
102	MP4B	Mz	-.041	1
103	MP4B	Y	-63.072	3
104	MP4B	My	.024	3
105	MP4B	Mz	-.041	3
106	MP4C	Y	-63.072	1
107	MP4C	My	.016	1
108	MP4C	Mz	.044	1
109	MP4C	Y	-63.072	3
110	MP4C	My	.016	3
111	MP4C	Mz	.044	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.92
2	MP2A	Z	-125.011	.92
3	MP2A	Mx	-.083	.92
4	MP2A	X	0	4.92
5	MP2A	Z	-125.011	4.92
6	MP2A	Mx	-.083	4.92
7	MP2B	X	0	.92
8	MP2B	Z	-106.952	.92
9	MP2B	Mx	-.051	.92
10	MP2B	X	0	4.92
11	MP2B	Z	-106.952	4.92
12	MP2B	Mx	-.051	4.92
13	MP2C	X	0	.92
14	MP2C	Z	-106.952	.92
15	MP2C	Mx	-.051	.92
16	MP2C	X	0	4.92
17	MP2C	Z	-106.952	4.92
18	MP2C	Mx	-.051	4.92
19	MP2A	X	0	.92
20	MP2A	Z	-125.011	.92
21	MP2A	Mx	.083	.92
22	MP2A	X	0	4.92
23	MP2A	Z	-125.011	4.92
24	MP2A	Mx	.083	4.92
25	MP2B	X	0	.92
26	MP2B	Z	-109.673	.92
27	MP2B	Mx	.035	.92
28	MP2B	X	0	4.92
29	MP2B	Z	-109.673	4.92
30	MP2B	Mx	.035	4.92
31	MP2C	X	0	.92
32	MP2C	Z	-106.952	.92
33	MP2C	Mx	-.1	.92
34	MP2C	X	0	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	-106.952	4.92
36	MP2C	Mx	-.1	4.92
37	MP3A	X	0	1
38	MP3A	Z	-72.269	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	-72.269	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	-39.287	1
45	MP3B	Mx	.026	1
46	MP3B	X	0	3
47	MP3B	Z	-39.287	3
48	MP3B	Mx	.026	3
49	MP3C	X	0	1
50	MP3C	Z	-33.438	1
51	MP3C	Mx	-.024	1
52	MP3C	X	0	3
53	MP3C	Z	-33.438	3
54	MP3C	Mx	-.024	3
55	MP1A	X	0	3
56	MP1A	Z	-57.508	3
57	MP1A	Mx	0	3
58	MP1B	X	0	3
59	MP1B	Z	-43.208	3
60	MP1B	Mx	-.019	3
61	MP1C	X	0	3
62	MP1C	Z	-40.672	3
63	MP1C	Mx	.019	3
64	MP2A	X	0	3
65	MP2A	Z	-57.508	3
66	MP2A	Mx	0	3
67	MP2B	X	0	3
68	MP2B	Z	-37.73	3
69	MP2B	Mx	-.016	3
70	MP2C	X	0	3
71	MP2C	Z	-34.222	3
72	MP2C	Mx	.016	3
73	OVP	X	0	1
74	OVP	Z	-116.554	1
75	OVP	Mx	0	1
76	MP1A	X	0	1
77	MP1A	Z	-94.565	1
78	MP1A	Mx	0	1
79	MP1A	X	0	3
80	MP1A	Z	-94.565	3
81	MP1A	Mx	0	3
82	MP1B	X	0	1
83	MP1B	Z	-85.787	1
84	MP1B	Mx	.056	1
85	MP1B	X	0	3
86	MP1B	Z	-85.787	3
87	MP1B	Mx	.056	3
88	MP1C	X	0	1
89	MP1C	Z	-84.23	1
90	MP1C	Mx	-.059	1
91	MP1C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	-84.23	3
93	MP1C	Mx	-.059	3
94	MP4A	X	0	1
95	MP4A	Z	-94.565	1
96	MP4A	Mx	0	1
97	MP4A	X	0	3
98	MP4A	Z	-94.565	3
99	MP4A	Mx	0	3
100	MP4B	X	0	1
101	MP4B	Z	-85.787	1
102	MP4B	Mx	.056	1
103	MP4B	X	0	3
104	MP4B	Z	-85.787	3
105	MP4B	Mx	.056	3
106	MP4C	X	0	1
107	MP4C	Z	-84.23	1
108	MP4C	Mx	-.059	1
109	MP4C	X	0	3
110	MP4C	Z	-84.23	3
111	MP4C	Mx	-.059	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	59.949	.92
2	MP2A	Z	-103.835	.92
3	MP2A	Mx	-.114	.92
4	MP2A	X	59.949	4.92
5	MP2A	Z	-103.835	4.92
6	MP2A	Mx	-.114	4.92
7	MP2B	X	58.281	.92
8	MP2B	Z	-100.945	.92
9	MP2B	Mx	.003	.92
10	MP2B	X	58.281	4.92
11	MP2B	Z	-100.945	4.92
12	MP2B	Mx	.003	4.92
13	MP2C	X	58.281	.92
14	MP2C	Z	-100.945	.92
15	MP2C	Mx	.003	.92
16	MP2C	X	58.281	4.92
17	MP2C	Z	-100.945	4.92
18	MP2C	Mx	.003	4.92
19	MP2A	X	59.949	.92
20	MP2A	Z	-103.835	.92
21	MP2A	Mx	.024	.92
22	MP2A	X	59.949	4.92
23	MP2A	Z	-103.835	4.92
24	MP2A	Mx	.024	4.92
25	MP2B	X	52.28	.92
26	MP2B	Z	-90.552	.92
27	MP2B	Mx	.078	.92
28	MP2B	X	52.28	4.92
29	MP2B	Z	-90.552	4.92
30	MP2B	Mx	.078	4.92
31	MP2C	X	58.281	.92
32	MP2C	Z	-100.945	.92
33	MP2C	Mx	-.116	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	X	58.281	4.92
35	MP2C	Z	-100.945	4.92
36	MP2C	Mx	-.116	4.92
37	MP3A	X	30.638	1
38	MP3A	Z	-53.066	1
39	MP3A	Mx	-.023	1
40	MP3A	X	30.638	3
41	MP3A	Z	-53.066	3
42	MP3A	Mx	-.023	3
43	MP3B	X	14.147	1
44	MP3B	Z	-24.503	1
45	MP3B	Mx	.021	1
46	MP3B	X	14.147	3
47	MP3B	Z	-24.503	3
48	MP3B	Mx	.021	3
49	MP3C	X	27.05	1
50	MP3C	Z	-46.852	1
51	MP3C	Mx	-.026	1
52	MP3C	X	27.05	3
53	MP3C	Z	-46.852	3
54	MP3C	Mx	-.026	3
55	MP1A	X	26.371	3
56	MP1A	Z	-45.675	3
57	MP1A	Mx	.013	3
58	MP1B	X	19.221	3
59	MP1B	Z	-33.291	3
60	MP1B	Mx	-.019	3
61	MP1C	X	24.815	3
62	MP1C	Z	-42.981	3
63	MP1C	Mx	.016	3
64	MP2A	X	25.458	3
65	MP2A	Z	-44.094	3
66	MP2A	Mx	.013	3
67	MP2B	X	15.569	3
68	MP2B	Z	-26.966	3
69	MP2B	Mx	-.016	3
70	MP2C	X	23.306	3
71	MP2C	Z	-40.367	3
72	MP2C	Mx	.015	3
73	OVP	X	53.351	1
74	OVP	Z	-92.407	1
75	OVP	Mx	0	1
76	MP1A	X	45.82	1
77	MP1A	Z	-79.362	1
78	MP1A	Mx	-.034	1
79	MP1A	X	45.82	3
80	MP1A	Z	-79.362	3
81	MP1A	Mx	-.034	3
82	MP1B	X	41.431	1
83	MP1B	Z	-71.76	1
84	MP1B	Mx	.062	1
85	MP1B	X	41.431	3
86	MP1B	Z	-71.76	3
87	MP1B	Mx	.062	3
88	MP1C	X	44.865	1
89	MP1C	Z	-77.708	1
90	MP1C	Mx	-.043	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP1C	X	44.865	3
92	MP1C	Z	-77.708	3
93	MP1C	Mx	-.043	3
94	MP4A	X	45.82	1
95	MP4A	Z	-79.362	1
96	MP4A	Mx	-.034	1
97	MP4A	X	45.82	3
98	MP4A	Z	-79.362	3
99	MP4A	Mx	-.034	3
100	MP4B	X	41.431	1
101	MP4B	Z	-71.76	1
102	MP4B	Mx	.062	1
103	MP4B	X	41.431	3
104	MP4B	Z	-71.76	3
105	MP4B	Mx	.062	3
106	MP4C	X	44.865	1
107	MP4C	Z	-77.708	1
108	MP4C	Mx	-.043	1
109	MP4C	X	44.865	3
110	MP4C	Z	-77.708	3
111	MP4C	Mx	-.043	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	94.979	.92
2	MP2A	Z	-54.836	.92
3	MP2A	Mx	-.108	.92
4	MP2A	X	94.979	4.92
5	MP2A	Z	-54.836	4.92
6	MP2A	Mx	-.108	4.92
7	MP2B	X	107.728	.92
8	MP2B	Z	-62.197	.92
9	MP2B	Mx	.065	.92
10	MP2B	X	107.728	4.92
11	MP2B	Z	-62.197	4.92
12	MP2B	Mx	.065	4.92
13	MP2C	X	107.728	.92
14	MP2C	Z	-62.197	.92
15	MP2C	Mx	.065	.92
16	MP2C	X	107.728	4.92
17	MP2C	Z	-62.197	4.92
18	MP2C	Mx	.065	4.92
19	MP2A	X	94.979	.92
20	MP2A	Z	-54.836	.92
21	MP2A	Mx	-.035	.92
22	MP2A	X	94.979	4.92
23	MP2A	Z	-54.836	4.92
24	MP2A	Mx	-.035	4.92
25	MP2B	X	94.979	.92
26	MP2B	Z	-54.836	.92
27	MP2B	Mx	.108	.92
28	MP2B	X	94.979	4.92
29	MP2B	Z	-54.836	4.92
30	MP2B	Mx	.108	4.92
31	MP2C	X	107.728	.92
32	MP2C	Z	-62.197	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	-.098	.92
34	MP2C	X	107.728	4.92
35	MP2C	Z	-62.197	4.92
36	MP2C	Mx	-.098	4.92
37	MP3A	X	34.024	1
38	MP3A	Z	-19.644	1
39	MP3A	Mx	-.026	1
40	MP3A	X	34.024	3
41	MP3A	Z	-19.644	3
42	MP3A	Mx	-.026	3
43	MP3B	X	34.024	1
44	MP3B	Z	-19.644	1
45	MP3B	Mx	.026	1
46	MP3B	X	34.024	3
47	MP3B	Z	-19.644	3
48	MP3B	Mx	.026	3
49	MP3C	X	61.439	1
50	MP3C	Z	-35.472	1
51	MP3C	Mx	-.009	1
52	MP3C	X	61.439	3
53	MP3C	Z	-35.472	3
54	MP3C	Mx	-.009	3
55	MP1A	X	37.419	3
56	MP1A	Z	-21.604	3
57	MP1A	Mx	.019	3
58	MP1B	X	37.419	3
59	MP1B	Z	-21.604	3
60	MP1B	Mx	-.019	3
61	MP1C	X	49.306	3
62	MP1C	Z	-28.467	3
63	MP1C	Mx	.005	3
64	MP2A	X	32.675	3
65	MP2A	Z	-18.865	3
66	MP2A	Mx	.016	3
67	MP2B	X	32.675	3
68	MP2B	Z	-18.865	3
69	MP2B	Mx	-.016	3
70	MP2C	X	49.115	3
71	MP2C	Z	-28.356	3
72	MP2C	Mx	.005	3
73	OVP	X	75.345	1
74	OVP	Z	-43.5	1
75	OVP	Mx	0	1
76	MP1A	X	74.294	1
77	MP1A	Z	-42.894	1
78	MP1A	Mx	-.056	1
79	MP1A	X	74.294	3
80	MP1A	Z	-42.894	3
81	MP1A	Mx	-.056	3
82	MP1B	X	74.294	1
83	MP1B	Z	-42.894	1
84	MP1B	Mx	.056	1
85	MP1B	X	74.294	3
86	MP1B	Z	-42.894	3
87	MP1B	Mx	.056	3
88	MP1C	X	81.59	1
89	MP1C	Z	-47.106	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1C	Mx	-.012	1
91	MP1C	X	81.59	3
92	MP1C	Z	-47.106	3
93	MP1C	Mx	-.012	3
94	MP4A	X	74.294	1
95	MP4A	Z	-42.894	1
96	MP4A	Mx	-.056	1
97	MP4A	X	74.294	3
98	MP4A	Z	-42.894	3
99	MP4A	Mx	-.056	3
100	MP4B	X	74.294	1
101	MP4B	Z	-42.894	1
102	MP4B	Mx	.056	1
103	MP4B	X	74.294	3
104	MP4B	Z	-42.894	3
105	MP4B	Mx	.056	3
106	MP4C	X	81.59	1
107	MP4C	Z	-47.106	1
108	MP4C	Mx	-.012	1
109	MP4C	X	81.59	3
110	MP4C	Z	-47.106	3
111	MP4C	Mx	-.012	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	104.56	.92
2	MP2A	Z	0	.92
3	MP2A	Mx	-.078	.92
4	MP2A	X	104.56	4.92
5	MP2A	Z	0	4.92
6	MP2A	Mx	-.078	4.92
7	MP2B	X	122.618	.92
8	MP2B	Z	0	.92
9	MP2B	Mx	.108	.92
10	MP2B	X	122.618	4.92
11	MP2B	Z	0	4.92
12	MP2B	Mx	.108	4.92
13	MP2C	X	122.618	.92
14	MP2C	Z	0	.92
15	MP2C	Mx	.108	.92
16	MP2C	X	122.618	4.92
17	MP2C	Z	0	4.92
18	MP2C	Mx	.108	4.92
19	MP2A	X	104.56	.92
20	MP2A	Z	0	.92
21	MP2A	Mx	-.078	.92
22	MP2A	X	104.56	4.92
23	MP2A	Z	0	4.92
24	MP2A	Mx	-.078	4.92
25	MP2B	X	119.898	.92
26	MP2B	Z	0	.92
27	MP2B	Mx	.114	.92
28	MP2B	X	119.898	4.92
29	MP2B	Z	0	4.92
30	MP2B	Mx	.114	4.92
31	MP2C	X	122.618	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	0	.92
33	MP2C	Mx	-.045	.92
34	MP2C	X	122.618	4.92
35	MP2C	Z	0	4.92
36	MP2C	Mx	-.045	4.92
37	MP3A	X	28.293	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.021	1
40	MP3A	X	28.293	3
41	MP3A	Z	0	3
42	MP3A	Mx	-.021	3
43	MP3B	X	61.275	1
44	MP3B	Z	0	1
45	MP3B	Mx	.023	1
46	MP3B	X	61.275	3
47	MP3B	Z	0	3
48	MP3B	Mx	.023	3
49	MP3C	X	67.125	1
50	MP3C	Z	0	1
51	MP3C	Mx	.017	1
52	MP3C	X	67.125	3
53	MP3C	Z	0	3
54	MP3C	Mx	.017	3
55	MP1A	X	38.441	3
56	MP1A	Z	0	3
57	MP1A	Mx	.019	3
58	MP1B	X	52.741	3
59	MP1B	Z	0	3
60	MP1B	Mx	-.013	3
61	MP1C	X	55.278	3
62	MP1C	Z	0	3
63	MP1C	Mx	-.009	3
64	MP2A	X	31.137	3
65	MP2A	Z	0	3
66	MP2A	Mx	.016	3
67	MP2B	X	50.915	3
68	MP2B	Z	0	3
69	MP2B	Mx	-.013	3
70	MP2C	X	54.423	3
71	MP2C	Z	0	3
72	MP2C	Mx	-.009	3
73	OVP	X	77.149	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP1A	X	82.861	1
77	MP1A	Z	0	1
78	MP1A	Mx	-.062	1
79	MP1A	X	82.861	3
80	MP1A	Z	0	3
81	MP1A	Mx	-.062	3
82	MP1B	X	91.639	1
83	MP1B	Z	0	1
84	MP1B	Mx	.034	1
85	MP1B	X	91.639	3
86	MP1B	Z	0	3
87	MP1B	Mx	.034	3
88	MP1C	X	93.196	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1C	Z	0	1
90	MP1C	Mx	.024	1
91	MP1C	X	93.196	3
92	MP1C	Z	0	3
93	MP1C	Mx	.024	3
94	MP4A	X	82.861	1
95	MP4A	Z	0	1
96	MP4A	Mx	-.062	1
97	MP4A	X	82.861	3
98	MP4A	Z	0	3
99	MP4A	Mx	-.062	3
100	MP4B	X	91.639	1
101	MP4B	Z	0	1
102	MP4B	Mx	.034	1
103	MP4B	X	91.639	3
104	MP4B	Z	0	3
105	MP4B	Mx	.034	3
106	MP4C	X	93.196	1
107	MP4C	Z	0	1
108	MP4C	Mx	.024	1
109	MP4C	X	93.196	3
110	MP4C	Z	0	3
111	MP4C	Mx	.024	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	94.979	.92
2	MP2A	Z	54.836	.92
3	MP2A	Mx	-.035	.92
4	MP2A	X	94.979	4.92
5	MP2A	Z	54.836	4.92
6	MP2A	Mx	-.035	4.92
7	MP2B	X	97.869	.92
8	MP2B	Z	56.505	.92
9	MP2B	Mx	.113	.92
10	MP2B	X	97.869	4.92
11	MP2B	Z	56.505	4.92
12	MP2B	Mx	.113	4.92
13	MP2C	X	97.869	.92
14	MP2C	Z	56.505	.92
15	MP2C	Mx	.113	.92
16	MP2C	X	97.869	4.92
17	MP2C	Z	56.505	4.92
18	MP2C	Mx	.113	4.92
19	MP2A	X	94.979	.92
20	MP2A	Z	54.836	.92
21	MP2A	Mx	-.108	.92
22	MP2A	X	94.979	4.92
23	MP2A	Z	54.836	4.92
24	MP2A	Mx	-.108	4.92
25	MP2B	X	108.262	.92
26	MP2B	Z	62.505	.92
27	MP2B	Mx	.083	.92
28	MP2B	X	108.262	4.92
29	MP2B	Z	62.505	4.92
30	MP2B	Mx	.083	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	97.869	.92
32	MP2C	Z	56.505	.92
33	MP2C	Mx	.017	.92
34	MP2C	X	97.869	4.92
35	MP2C	Z	56.505	4.92
36	MP2C	Mx	.017	4.92
37	MP3A	X	34.024	1
38	MP3A	Z	19.644	1
39	MP3A	Mx	-.026	1
40	MP3A	X	34.024	3
41	MP3A	Z	19.644	3
42	MP3A	Mx	-.026	3
43	MP3B	X	62.587	1
44	MP3B	Z	36.135	1
45	MP3B	Mx	0	1
46	MP3B	X	62.587	3
47	MP3B	Z	36.135	3
48	MP3B	Mx	0	3
49	MP3C	X	40.238	1
50	MP3C	Z	23.232	1
51	MP3C	Mx	.027	1
52	MP3C	X	40.238	3
53	MP3C	Z	23.232	3
54	MP3C	Mx	.027	3
55	MP1A	X	37.419	3
56	MP1A	Z	21.604	3
57	MP1A	Mx	.019	3
58	MP1B	X	49.803	3
59	MP1B	Z	28.754	3
60	MP1B	Mx	0	3
61	MP1C	X	40.114	3
62	MP1C	Z	23.16	3
63	MP1C	Mx	-.018	3
64	MP2A	X	32.675	3
65	MP2A	Z	18.865	3
66	MP2A	Mx	.016	3
67	MP2B	X	49.803	3
68	MP2B	Z	28.754	3
69	MP2B	Mx	0	3
70	MP2C	X	36.402	3
71	MP2C	Z	21.017	3
72	MP2C	Mx	-.016	3
73	OVP	X	75.345	1
74	OVP	Z	43.5	1
75	OVP	Mx	0	1
76	MP1A	X	74.294	1
77	MP1A	Z	42.894	1
78	MP1A	Mx	-.056	1
79	MP1A	X	74.294	3
80	MP1A	Z	42.894	3
81	MP1A	Mx	-.056	3
82	MP1B	X	81.896	1
83	MP1B	Z	47.283	1
84	MP1B	Mx	0	1
85	MP1B	X	81.896	3
86	MP1B	Z	47.283	3
87	MP1B	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1C	X	75.948	1
89	MP1C	Z	43.849	1
90	MP1C	Mx	.05	1
91	MP1C	X	75.948	3
92	MP1C	Z	43.849	3
93	MP1C	Mx	.05	3
94	MP4A	X	74.294	1
95	MP4A	Z	42.894	1
96	MP4A	Mx	-.056	1
97	MP4A	X	74.294	3
98	MP4A	Z	42.894	3
99	MP4A	Mx	-.056	3
100	MP4B	X	81.896	1
101	MP4B	Z	47.283	1
102	MP4B	Mx	0	1
103	MP4B	X	81.896	3
104	MP4B	Z	47.283	3
105	MP4B	Mx	0	3
106	MP4C	X	75.948	1
107	MP4C	Z	43.849	1
108	MP4C	Mx	.05	1
109	MP4C	X	75.948	3
110	MP4C	Z	43.849	3
111	MP4C	Mx	.05	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	59.949	.92
2	MP2A	Z	103.835	.92
3	MP2A	Mx	.024	.92
4	MP2A	X	59.949	4.92
5	MP2A	Z	103.835	4.92
6	MP2A	Mx	.024	4.92
7	MP2B	X	52.588	.92
8	MP2B	Z	91.086	.92
9	MP2B	Mx	.09	.92
10	MP2B	X	52.588	4.92
11	MP2B	Z	91.086	4.92
12	MP2B	Mx	.09	4.92
13	MP2C	X	52.588	.92
14	MP2C	Z	91.086	.92
15	MP2C	Mx	.09	.92
16	MP2C	X	52.588	4.92
17	MP2C	Z	91.086	4.92
18	MP2C	Mx	.09	4.92
19	MP2A	X	59.949	.92
20	MP2A	Z	103.835	.92
21	MP2A	Mx	-.114	.92
22	MP2A	X	59.949	4.92
23	MP2A	Z	103.835	4.92
24	MP2A	Mx	-.114	4.92
25	MP2B	X	59.949	.92
26	MP2B	Z	103.835	.92
27	MP2B	Mx	.024	.92
28	MP2B	X	59.949	4.92
29	MP2B	Z	103.835	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	.024	4.92
31	MP2C	X	52.588	.92
32	MP2C	Z	91.086	.92
33	MP2C	Mx	.066	.92
34	MP2C	X	52.588	4.92
35	MP2C	Z	91.086	4.92
36	MP2C	Mx	.066	4.92
37	MP3A	X	30.638	1
38	MP3A	Z	53.066	1
39	MP3A	Mx	-.023	1
40	MP3A	X	30.638	3
41	MP3A	Z	53.066	3
42	MP3A	Mx	-.023	3
43	MP3B	X	30.638	1
44	MP3B	Z	53.066	1
45	MP3B	Mx	-.023	1
46	MP3B	X	30.638	3
47	MP3B	Z	53.066	3
48	MP3B	Mx	-.023	3
49	MP3C	X	14.81	1
50	MP3C	Z	25.651	1
51	MP3C	Mx	.022	1
52	MP3C	X	14.81	3
53	MP3C	Z	25.651	3
54	MP3C	Mx	.022	3
55	MP1A	X	26.371	3
56	MP1A	Z	45.675	3
57	MP1A	Mx	.013	3
58	MP1B	X	26.371	3
59	MP1B	Z	45.675	3
60	MP1B	Mx	.013	3
61	MP1C	X	19.508	3
62	MP1C	Z	33.789	3
63	MP1C	Mx	-.019	3
64	MP2A	X	25.458	3
65	MP2A	Z	44.094	3
66	MP2A	Mx	.013	3
67	MP2B	X	25.458	3
68	MP2B	Z	44.094	3
69	MP2B	Mx	.013	3
70	MP2C	X	15.966	3
71	MP2C	Z	27.654	3
72	MP2C	Mx	-.016	3
73	OVP	X	53.351	1
74	OVP	Z	92.407	1
75	OVP	Mx	0	1
76	MP1A	X	45.82	1
77	MP1A	Z	79.362	1
78	MP1A	Mx	-.034	1
79	MP1A	X	45.82	3
80	MP1A	Z	79.362	3
81	MP1A	Mx	-.034	3
82	MP1B	X	45.82	1
83	MP1B	Z	79.362	1
84	MP1B	Mx	-.034	1
85	MP1B	X	45.82	3
86	MP1B	Z	79.362	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP1B	Mx	-.034	3
88	MP1C	X	41.607	1
89	MP1C	Z	72.065	1
90	MP1C	Mx	.061	1
91	MP1C	X	41.607	3
92	MP1C	Z	72.065	3
93	MP1C	Mx	.061	3
94	MP4A	X	45.82	1
95	MP4A	Z	79.362	1
96	MP4A	Mx	-.034	1
97	MP4A	X	45.82	3
98	MP4A	Z	79.362	3
99	MP4A	Mx	-.034	3
100	MP4B	X	45.82	1
101	MP4B	Z	79.362	1
102	MP4B	Mx	-.034	1
103	MP4B	X	45.82	3
104	MP4B	Z	79.362	3
105	MP4B	Mx	-.034	3
106	MP4C	X	41.607	1
107	MP4C	Z	72.065	1
108	MP4C	Mx	.061	1
109	MP4C	X	41.607	3
110	MP4C	Z	72.065	3
111	MP4C	Mx	.061	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.92
2	MP2A	Z	125.011	.92
3	MP2A	Mx	.083	.92
4	MP2A	X	0	4.92
5	MP2A	Z	125.011	4.92
6	MP2A	Mx	.083	4.92
7	MP2B	X	0	.92
8	MP2B	Z	106.952	.92
9	MP2B	Mx	.051	.92
10	MP2B	X	0	4.92
11	MP2B	Z	106.952	4.92
12	MP2B	Mx	.051	4.92
13	MP2C	X	0	.92
14	MP2C	Z	106.952	.92
15	MP2C	Mx	.051	.92
16	MP2C	X	0	4.92
17	MP2C	Z	106.952	4.92
18	MP2C	Mx	.051	4.92
19	MP2A	X	0	.92
20	MP2A	Z	125.011	.92
21	MP2A	Mx	-.083	.92
22	MP2A	X	0	4.92
23	MP2A	Z	125.011	4.92
24	MP2A	Mx	-.083	4.92
25	MP2B	X	0	.92
26	MP2B	Z	109.673	.92
27	MP2B	Mx	-.035	.92
28	MP2B	X	0	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	109.673	4.92
30	MP2B	Mx	-.035	4.92
31	MP2C	X	0	.92
32	MP2C	Z	106.952	.92
33	MP2C	Mx	.1	.92
34	MP2C	X	0	4.92
35	MP2C	Z	106.952	4.92
36	MP2C	Mx	.1	4.92
37	MP3A	X	0	1
38	MP3A	Z	72.269	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	72.269	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	39.287	1
45	MP3B	Mx	-.026	1
46	MP3B	X	0	3
47	MP3B	Z	39.287	3
48	MP3B	Mx	-.026	3
49	MP3C	X	0	1
50	MP3C	Z	33.438	1
51	MP3C	Mx	.024	1
52	MP3C	X	0	3
53	MP3C	Z	33.438	3
54	MP3C	Mx	.024	3
55	MP1A	X	0	3
56	MP1A	Z	57.508	3
57	MP1A	Mx	0	3
58	MP1B	X	0	3
59	MP1B	Z	43.208	3
60	MP1B	Mx	.019	3
61	MP1C	X	0	3
62	MP1C	Z	40.672	3
63	MP1C	Mx	-.019	3
64	MP2A	X	0	3
65	MP2A	Z	57.508	3
66	MP2A	Mx	0	3
67	MP2B	X	0	3
68	MP2B	Z	37.73	3
69	MP2B	Mx	.016	3
70	MP2C	X	0	3
71	MP2C	Z	34.222	3
72	MP2C	Mx	-.016	3
73	OVP	X	0	1
74	OVP	Z	116.554	1
75	OVP	Mx	0	1
76	MP1A	X	0	1
77	MP1A	Z	94.565	1
78	MP1A	Mx	0	1
79	MP1A	X	0	3
80	MP1A	Z	94.565	3
81	MP1A	Mx	0	3
82	MP1B	X	0	1
83	MP1B	Z	85.787	1
84	MP1B	Mx	-.056	1
85	MP1B	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1B	Z	85.787	3
87	MP1B	Mx	-.056	3
88	MP1C	X	0	1
89	MP1C	Z	84.23	1
90	MP1C	Mx	.059	1
91	MP1C	X	0	3
92	MP1C	Z	84.23	3
93	MP1C	Mx	.059	3
94	MP4A	X	0	1
95	MP4A	Z	94.565	1
96	MP4A	Mx	0	1
97	MP4A	X	0	3
98	MP4A	Z	94.565	3
99	MP4A	Mx	0	3
100	MP4B	X	0	1
101	MP4B	Z	85.787	1
102	MP4B	Mx	-.056	1
103	MP4B	X	0	3
104	MP4B	Z	85.787	3
105	MP4B	Mx	-.056	3
106	MP4C	X	0	1
107	MP4C	Z	84.23	1
108	MP4C	Mx	.059	1
109	MP4C	X	0	3
110	MP4C	Z	84.23	3
111	MP4C	Mx	.059	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-59.949	.92
2	MP2A	Z	103.835	.92
3	MP2A	Mx	.114	.92
4	MP2A	X	-59.949	4.92
5	MP2A	Z	103.835	4.92
6	MP2A	Mx	.114	4.92
7	MP2B	X	-58.281	.92
8	MP2B	Z	100.945	.92
9	MP2B	Mx	-.003	.92
10	MP2B	X	-58.281	4.92
11	MP2B	Z	100.945	4.92
12	MP2B	Mx	-.003	4.92
13	MP2C	X	-58.281	.92
14	MP2C	Z	100.945	.92
15	MP2C	Mx	-.003	.92
16	MP2C	X	-58.281	4.92
17	MP2C	Z	100.945	4.92
18	MP2C	Mx	-.003	4.92
19	MP2A	X	-59.949	.92
20	MP2A	Z	103.835	.92
21	MP2A	Mx	-.024	.92
22	MP2A	X	-59.949	4.92
23	MP2A	Z	103.835	4.92
24	MP2A	Mx	-.024	4.92
25	MP2B	X	-52.28	.92
26	MP2B	Z	90.552	.92
27	MP2B	Mx	-.078	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	-52.28	4.92
29	MP2B	Z	90.552	4.92
30	MP2B	Mx	-.078	4.92
31	MP2C	X	-58.281	.92
32	MP2C	Z	100.945	.92
33	MP2C	Mx	.116	.92
34	MP2C	X	-58.281	4.92
35	MP2C	Z	100.945	4.92
36	MP2C	Mx	.116	4.92
37	MP3A	X	-30.638	1
38	MP3A	Z	53.066	1
39	MP3A	Mx	.023	1
40	MP3A	X	-30.638	3
41	MP3A	Z	53.066	3
42	MP3A	Mx	.023	3
43	MP3B	X	-14.147	1
44	MP3B	Z	24.503	1
45	MP3B	Mx	-.021	1
46	MP3B	X	-14.147	3
47	MP3B	Z	24.503	3
48	MP3B	Mx	-.021	3
49	MP3C	X	-27.05	1
50	MP3C	Z	46.852	1
51	MP3C	Mx	.026	1
52	MP3C	X	-27.05	3
53	MP3C	Z	46.852	3
54	MP3C	Mx	.026	3
55	MP1A	X	-26.371	3
56	MP1A	Z	45.675	3
57	MP1A	Mx	-.013	3
58	MP1B	X	-19.221	3
59	MP1B	Z	33.291	3
60	MP1B	Mx	.019	3
61	MP1C	X	-24.815	3
62	MP1C	Z	42.981	3
63	MP1C	Mx	-.016	3
64	MP2A	X	-25.458	3
65	MP2A	Z	44.094	3
66	MP2A	Mx	-.013	3
67	MP2B	X	-15.569	3
68	MP2B	Z	26.966	3
69	MP2B	Mx	.016	3
70	MP2C	X	-23.306	3
71	MP2C	Z	40.367	3
72	MP2C	Mx	-.015	3
73	OVP	X	-53.351	1
74	OVP	Z	92.407	1
75	OVP	Mx	0	1
76	MP1A	X	-45.82	1
77	MP1A	Z	79.362	1
78	MP1A	Mx	.034	1
79	MP1A	X	-45.82	3
80	MP1A	Z	79.362	3
81	MP1A	Mx	.034	3
82	MP1B	X	-41.431	1
83	MP1B	Z	71.76	1
84	MP1B	Mx	-.062	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	-41.431	3
86	MP1B	Z	71.76	3
87	MP1B	Mx	-.062	3
88	MP1C	X	-44.865	1
89	MP1C	Z	77.708	1
90	MP1C	Mx	.043	1
91	MP1C	X	-44.865	3
92	MP1C	Z	77.708	3
93	MP1C	Mx	.043	3
94	MP4A	X	-45.82	1
95	MP4A	Z	79.362	1
96	MP4A	Mx	.034	1
97	MP4A	X	-45.82	3
98	MP4A	Z	79.362	3
99	MP4A	Mx	.034	3
100	MP4B	X	-41.431	1
101	MP4B	Z	71.76	1
102	MP4B	Mx	-.062	1
103	MP4B	X	-41.431	3
104	MP4B	Z	71.76	3
105	MP4B	Mx	-.062	3
106	MP4C	X	-44.865	1
107	MP4C	Z	77.708	1
108	MP4C	Mx	.043	1
109	MP4C	X	-44.865	3
110	MP4C	Z	77.708	3
111	MP4C	Mx	.043	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-94.979	.92
2	MP2A	Z	54.836	.92
3	MP2A	Mx	.108	.92
4	MP2A	X	-94.979	4.92
5	MP2A	Z	54.836	4.92
6	MP2A	Mx	.108	4.92
7	MP2B	X	-107.728	.92
8	MP2B	Z	62.197	.92
9	MP2B	Mx	-.065	.92
10	MP2B	X	-107.728	4.92
11	MP2B	Z	62.197	4.92
12	MP2B	Mx	-.065	4.92
13	MP2C	X	-107.728	.92
14	MP2C	Z	62.197	.92
15	MP2C	Mx	-.065	.92
16	MP2C	X	-107.728	4.92
17	MP2C	Z	62.197	4.92
18	MP2C	Mx	-.065	4.92
19	MP2A	X	-94.979	.92
20	MP2A	Z	54.836	.92
21	MP2A	Mx	.035	.92
22	MP2A	X	-94.979	4.92
23	MP2A	Z	54.836	4.92
24	MP2A	Mx	.035	4.92
25	MP2B	X	-94.979	.92
26	MP2B	Z	54.836	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.108	.92
28	MP2B	X	-94.979	4.92
29	MP2B	Z	54.836	4.92
30	MP2B	Mx	-.108	4.92
31	MP2C	X	-107.728	.92
32	MP2C	Z	62.197	.92
33	MP2C	Mx	.098	.92
34	MP2C	X	-107.728	4.92
35	MP2C	Z	62.197	4.92
36	MP2C	Mx	.098	4.92
37	MP3A	X	-34.024	1
38	MP3A	Z	19.644	1
39	MP3A	Mx	.026	1
40	MP3A	X	-34.024	3
41	MP3A	Z	19.644	3
42	MP3A	Mx	.026	3
43	MP3B	X	-34.024	1
44	MP3B	Z	19.644	1
45	MP3B	Mx	-.026	1
46	MP3B	X	-34.024	3
47	MP3B	Z	19.644	3
48	MP3B	Mx	-.026	3
49	MP3C	X	-61.439	1
50	MP3C	Z	35.472	1
51	MP3C	Mx	.009	1
52	MP3C	X	-61.439	3
53	MP3C	Z	35.472	3
54	MP3C	Mx	.009	3
55	MP1A	X	-37.419	3
56	MP1A	Z	21.604	3
57	MP1A	Mx	-.019	3
58	MP1B	X	-37.419	3
59	MP1B	Z	21.604	3
60	MP1B	Mx	.019	3
61	MP1C	X	-49.306	3
62	MP1C	Z	28.467	3
63	MP1C	Mx	-.005	3
64	MP2A	X	-32.675	3
65	MP2A	Z	18.865	3
66	MP2A	Mx	-.016	3
67	MP2B	X	-32.675	3
68	MP2B	Z	18.865	3
69	MP2B	Mx	.016	3
70	MP2C	X	-49.115	3
71	MP2C	Z	28.356	3
72	MP2C	Mx	-.005	3
73	OVP	X	-75.345	1
74	OVP	Z	43.5	1
75	OVP	Mx	0	1
76	MP1A	X	-74.294	1
77	MP1A	Z	42.894	1
78	MP1A	Mx	.056	1
79	MP1A	X	-74.294	3
80	MP1A	Z	42.894	3
81	MP1A	Mx	.056	3
82	MP1B	X	-74.294	1
83	MP1B	Z	42.894	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1B	Mx	-.056	1
85	MP1B	X	-74.294	3
86	MP1B	Z	42.894	3
87	MP1B	Mx	-.056	3
88	MP1C	X	-81.59	1
89	MP1C	Z	47.106	1
90	MP1C	Mx	.012	1
91	MP1C	X	-81.59	3
92	MP1C	Z	47.106	3
93	MP1C	Mx	.012	3
94	MP4A	X	-74.294	1
95	MP4A	Z	42.894	1
96	MP4A	Mx	.056	1
97	MP4A	X	-74.294	3
98	MP4A	Z	42.894	3
99	MP4A	Mx	.056	3
100	MP4B	X	-74.294	1
101	MP4B	Z	42.894	1
102	MP4B	Mx	-.056	1
103	MP4B	X	-74.294	3
104	MP4B	Z	42.894	3
105	MP4B	Mx	-.056	3
106	MP4C	X	-81.59	1
107	MP4C	Z	47.106	1
108	MP4C	Mx	.012	1
109	MP4C	X	-81.59	3
110	MP4C	Z	47.106	3
111	MP4C	Mx	.012	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-104.56	.92
2	MP2A	Z	0	.92
3	MP2A	Mx	.078	.92
4	MP2A	X	-104.56	4.92
5	MP2A	Z	0	4.92
6	MP2A	Mx	.078	4.92
7	MP2B	X	-122.618	.92
8	MP2B	Z	0	.92
9	MP2B	Mx	-.108	.92
10	MP2B	X	-122.618	4.92
11	MP2B	Z	0	4.92
12	MP2B	Mx	-.108	4.92
13	MP2C	X	-122.618	.92
14	MP2C	Z	0	.92
15	MP2C	Mx	-.108	.92
16	MP2C	X	-122.618	4.92
17	MP2C	Z	0	4.92
18	MP2C	Mx	-.108	4.92
19	MP2A	X	-104.56	.92
20	MP2A	Z	0	.92
21	MP2A	Mx	.078	.92
22	MP2A	X	-104.56	4.92
23	MP2A	Z	0	4.92
24	MP2A	Mx	.078	4.92
25	MP2B	X	-119.898	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2B	Z	0	.92
27	MP2B	Mx	-.114	.92
28	MP2B	X	-119.898	4.92
29	MP2B	Z	0	4.92
30	MP2B	Mx	-.114	4.92
31	MP2C	X	-122.618	.92
32	MP2C	Z	0	.92
33	MP2C	Mx	.045	.92
34	MP2C	X	-122.618	4.92
35	MP2C	Z	0	4.92
36	MP2C	Mx	.045	4.92
37	MP3A	X	-28.293	1
38	MP3A	Z	0	1
39	MP3A	Mx	.021	1
40	MP3A	X	-28.293	3
41	MP3A	Z	0	3
42	MP3A	Mx	.021	3
43	MP3B	X	-61.275	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.023	1
46	MP3B	X	-61.275	3
47	MP3B	Z	0	3
48	MP3B	Mx	-.023	3
49	MP3C	X	-67.125	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.017	1
52	MP3C	X	-67.125	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.017	3
55	MP1A	X	-38.441	3
56	MP1A	Z	0	3
57	MP1A	Mx	-.019	3
58	MP1B	X	-52.741	3
59	MP1B	Z	0	3
60	MP1B	Mx	.013	3
61	MP1C	X	-55.278	3
62	MP1C	Z	0	3
63	MP1C	Mx	.009	3
64	MP2A	X	-31.137	3
65	MP2A	Z	0	3
66	MP2A	Mx	-.016	3
67	MP2B	X	-50.915	3
68	MP2B	Z	0	3
69	MP2B	Mx	.013	3
70	MP2C	X	-54.423	3
71	MP2C	Z	0	3
72	MP2C	Mx	.009	3
73	OVP	X	-77.149	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP1A	X	-82.861	1
77	MP1A	Z	0	1
78	MP1A	Mx	.062	1
79	MP1A	X	-82.861	3
80	MP1A	Z	0	3
81	MP1A	Mx	.062	3
82	MP1B	X	-91.639	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1B	Z	0	1
84	MP1B	Mx	-.034	1
85	MP1B	X	-91.639	3
86	MP1B	Z	0	3
87	MP1B	Mx	-.034	3
88	MP1C	X	-93.196	1
89	MP1C	Z	0	1
90	MP1C	Mx	-.024	1
91	MP1C	X	-93.196	3
92	MP1C	Z	0	3
93	MP1C	Mx	-.024	3
94	MP4A	X	-82.861	1
95	MP4A	Z	0	1
96	MP4A	Mx	.062	1
97	MP4A	X	-82.861	3
98	MP4A	Z	0	3
99	MP4A	Mx	.062	3
100	MP4B	X	-91.639	1
101	MP4B	Z	0	1
102	MP4B	Mx	-.034	1
103	MP4B	X	-91.639	3
104	MP4B	Z	0	3
105	MP4B	Mx	-.034	3
106	MP4C	X	-93.196	1
107	MP4C	Z	0	1
108	MP4C	Mx	-.024	1
109	MP4C	X	-93.196	3
110	MP4C	Z	0	3
111	MP4C	Mx	-.024	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-94.979	.92
2	MP2A	Z	-54.836	.92
3	MP2A	Mx	.035	.92
4	MP2A	X	-94.979	4.92
5	MP2A	Z	-54.836	4.92
6	MP2A	Mx	.035	4.92
7	MP2B	X	-97.869	.92
8	MP2B	Z	-56.505	.92
9	MP2B	Mx	-.113	.92
10	MP2B	X	-97.869	4.92
11	MP2B	Z	-56.505	4.92
12	MP2B	Mx	-.113	4.92
13	MP2C	X	-97.869	.92
14	MP2C	Z	-56.505	.92
15	MP2C	Mx	-.113	.92
16	MP2C	X	-97.869	4.92
17	MP2C	Z	-56.505	4.92
18	MP2C	Mx	-.113	4.92
19	MP2A	X	-94.979	.92
20	MP2A	Z	-54.836	.92
21	MP2A	Mx	.108	.92
22	MP2A	X	-94.979	4.92
23	MP2A	Z	-54.836	4.92
24	MP2A	Mx	.108	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	-108.262	.92
26	MP2B	Z	-62.505	.92
27	MP2B	Mx	-.083	.92
28	MP2B	X	-108.262	4.92
29	MP2B	Z	-62.505	4.92
30	MP2B	Mx	-.083	4.92
31	MP2C	X	-97.869	.92
32	MP2C	Z	-56.505	.92
33	MP2C	Mx	-.017	.92
34	MP2C	X	-97.869	4.92
35	MP2C	Z	-56.505	4.92
36	MP2C	Mx	-.017	4.92
37	MP3A	X	-34.024	1
38	MP3A	Z	-19.644	1
39	MP3A	Mx	.026	1
40	MP3A	X	-34.024	3
41	MP3A	Z	-19.644	3
42	MP3A	Mx	.026	3
43	MP3B	X	-62.587	1
44	MP3B	Z	-36.135	1
45	MP3B	Mx	0	1
46	MP3B	X	-62.587	3
47	MP3B	Z	-36.135	3
48	MP3B	Mx	0	3
49	MP3C	X	-40.238	1
50	MP3C	Z	-23.232	1
51	MP3C	Mx	-.027	1
52	MP3C	X	-40.238	3
53	MP3C	Z	-23.232	3
54	MP3C	Mx	-.027	3
55	MP1A	X	-37.419	3
56	MP1A	Z	-21.604	3
57	MP1A	Mx	-.019	3
58	MP1B	X	-49.803	3
59	MP1B	Z	-28.754	3
60	MP1B	Mx	0	3
61	MP1C	X	-40.114	3
62	MP1C	Z	-23.16	3
63	MP1C	Mx	.018	3
64	MP2A	X	-32.675	3
65	MP2A	Z	-18.865	3
66	MP2A	Mx	-.016	3
67	MP2B	X	-49.803	3
68	MP2B	Z	-28.754	3
69	MP2B	Mx	0	3
70	MP2C	X	-36.402	3
71	MP2C	Z	-21.017	3
72	MP2C	Mx	.016	3
73	OVP	X	-75.345	1
74	OVP	Z	-43.5	1
75	OVP	Mx	0	1
76	MP1A	X	-74.294	1
77	MP1A	Z	-42.894	1
78	MP1A	Mx	.056	1
79	MP1A	X	-74.294	3
80	MP1A	Z	-42.894	3
81	MP1A	Mx	.056	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1B	X	-81.896	1
83	MP1B	Z	-47.283	1
84	MP1B	Mx	0	1
85	MP1B	X	-81.896	3
86	MP1B	Z	-47.283	3
87	MP1B	Mx	0	3
88	MP1C	X	-75.948	1
89	MP1C	Z	-43.849	1
90	MP1C	Mx	-.05	1
91	MP1C	X	-75.948	3
92	MP1C	Z	-43.849	3
93	MP1C	Mx	-.05	3
94	MP4A	X	-74.294	1
95	MP4A	Z	-42.894	1
96	MP4A	Mx	.056	1
97	MP4A	X	-74.294	3
98	MP4A	Z	-42.894	3
99	MP4A	Mx	.056	3
100	MP4B	X	-81.896	1
101	MP4B	Z	-47.283	1
102	MP4B	Mx	0	1
103	MP4B	X	-81.896	3
104	MP4B	Z	-47.283	3
105	MP4B	Mx	0	3
106	MP4C	X	-75.948	1
107	MP4C	Z	-43.849	1
108	MP4C	Mx	-.05	1
109	MP4C	X	-75.948	3
110	MP4C	Z	-43.849	3
111	MP4C	Mx	-.05	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-59.949	.92
2	MP2A	Z	-103.835	.92
3	MP2A	Mx	-.024	.92
4	MP2A	X	-59.949	4.92
5	MP2A	Z	-103.835	4.92
6	MP2A	Mx	-.024	4.92
7	MP2B	X	-52.588	.92
8	MP2B	Z	-91.086	.92
9	MP2B	Mx	-.09	.92
10	MP2B	X	-52.588	4.92
11	MP2B	Z	-91.086	4.92
12	MP2B	Mx	-.09	4.92
13	MP2C	X	-52.588	.92
14	MP2C	Z	-91.086	.92
15	MP2C	Mx	-.09	.92
16	MP2C	X	-52.588	4.92
17	MP2C	Z	-91.086	4.92
18	MP2C	Mx	-.09	4.92
19	MP2A	X	-59.949	.92
20	MP2A	Z	-103.835	.92
21	MP2A	Mx	.114	.92
22	MP2A	X	-59.949	4.92
23	MP2A	Z	-103.835	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.114	4.92
25	MP2B	X	-59.949	.92
26	MP2B	Z	-103.835	.92
27	MP2B	Mx	-.024	.92
28	MP2B	X	-59.949	4.92
29	MP2B	Z	-103.835	4.92
30	MP2B	Mx	-.024	4.92
31	MP2C	X	-52.588	.92
32	MP2C	Z	-91.086	.92
33	MP2C	Mx	-.066	.92
34	MP2C	X	-52.588	4.92
35	MP2C	Z	-91.086	4.92
36	MP2C	Mx	-.066	4.92
37	MP3A	X	-30.638	1
38	MP3A	Z	-53.066	1
39	MP3A	Mx	.023	1
40	MP3A	X	-30.638	3
41	MP3A	Z	-53.066	3
42	MP3A	Mx	.023	3
43	MP3B	X	-30.638	1
44	MP3B	Z	-53.066	1
45	MP3B	Mx	.023	1
46	MP3B	X	-30.638	3
47	MP3B	Z	-53.066	3
48	MP3B	Mx	.023	3
49	MP3C	X	-14.81	1
50	MP3C	Z	-25.651	1
51	MP3C	Mx	-.022	1
52	MP3C	X	-14.81	3
53	MP3C	Z	-25.651	3
54	MP3C	Mx	-.022	3
55	MP1A	X	-26.371	3
56	MP1A	Z	-45.675	3
57	MP1A	Mx	-.013	3
58	MP1B	X	-26.371	3
59	MP1B	Z	-45.675	3
60	MP1B	Mx	-.013	3
61	MP1C	X	-19.508	3
62	MP1C	Z	-33.789	3
63	MP1C	Mx	.019	3
64	MP2A	X	-25.458	3
65	MP2A	Z	-44.094	3
66	MP2A	Mx	-.013	3
67	MP2B	X	-25.458	3
68	MP2B	Z	-44.094	3
69	MP2B	Mx	-.013	3
70	MP2C	X	-15.966	3
71	MP2C	Z	-27.654	3
72	MP2C	Mx	.016	3
73	OVP	X	-53.351	1
74	OVP	Z	-92.407	1
75	OVP	Mx	0	1
76	MP1A	X	-45.82	1
77	MP1A	Z	-79.362	1
78	MP1A	Mx	.034	1
79	MP1A	X	-45.82	3
80	MP1A	Z	-79.362	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1A	Mx	.034	3
82	MP1B	X	-45.82	1
83	MP1B	Z	-79.362	1
84	MP1B	Mx	.034	1
85	MP1B	X	-45.82	3
86	MP1B	Z	-79.362	3
87	MP1B	Mx	.034	3
88	MP1C	X	-41.607	1
89	MP1C	Z	-72.065	1
90	MP1C	Mx	-.061	1
91	MP1C	X	-41.607	3
92	MP1C	Z	-72.065	3
93	MP1C	Mx	-.061	3
94	MP4A	X	-45.82	1
95	MP4A	Z	-79.362	1
96	MP4A	Mx	.034	1
97	MP4A	X	-45.82	3
98	MP4A	Z	-79.362	3
99	MP4A	Mx	.034	3
100	MP4B	X	-45.82	1
101	MP4B	Z	-79.362	1
102	MP4B	Mx	.034	1
103	MP4B	X	-45.82	3
104	MP4B	Z	-79.362	3
105	MP4B	Mx	.034	3
106	MP4C	X	-41.607	1
107	MP4C	Z	-72.065	1
108	MP4C	Mx	-.061	1
109	MP4C	X	-41.607	3
110	MP4C	Z	-72.065	3
111	MP4C	Mx	-.061	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.92
2	MP2A	Z	-26.08	.92
3	MP2A	Mx	-.017	.92
4	MP2A	X	0	4.92
5	MP2A	Z	-26.08	4.92
6	MP2A	Mx	-.017	4.92
7	MP2B	X	0	.92
8	MP2B	Z	-22.593	.92
9	MP2B	Mx	-.011	.92
10	MP2B	X	0	4.92
11	MP2B	Z	-22.593	4.92
12	MP2B	Mx	-.011	4.92
13	MP2C	X	0	.92
14	MP2C	Z	-22.593	.92
15	MP2C	Mx	-.011	.92
16	MP2C	X	0	4.92
17	MP2C	Z	-22.593	4.92
18	MP2C	Mx	-.011	4.92
19	MP2A	X	0	.92
20	MP2A	Z	-26.08	.92
21	MP2A	Mx	.017	.92
22	MP2A	X	0	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	-26.08	4.92
24	MP2A	Mx	.017	4.92
25	MP2B	X	0	.92
26	MP2B	Z	-23.118	.92
27	MP2B	Mx	.007	.92
28	MP2B	X	0	4.92
29	MP2B	Z	-23.118	4.92
30	MP2B	Mx	.007	4.92
31	MP2C	X	0	.92
32	MP2C	Z	-22.593	.92
33	MP2C	Mx	-.021	.92
34	MP2C	X	0	4.92
35	MP2C	Z	-22.593	4.92
36	MP2C	Mx	-.021	4.92
37	MP3A	X	0	1
38	MP3A	Z	-15.439	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	-15.439	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	-8.794	1
45	MP3B	Mx	.006	1
46	MP3B	X	0	3
47	MP3B	Z	-8.794	3
48	MP3B	Mx	.006	3
49	MP3C	X	0	1
50	MP3C	Z	-7.615	1
51	MP3C	Mx	-.005	1
52	MP3C	X	0	3
53	MP3C	Z	-7.615	3
54	MP3C	Mx	-.005	3
55	MP1A	X	0	3
56	MP1A	Z	-13.015	3
57	MP1A	Mx	0	3
58	MP1B	X	0	3
59	MP1B	Z	-10.044	3
60	MP1B	Mx	-.004	3
61	MP1C	X	0	3
62	MP1C	Z	-9.517	3
63	MP1C	Mx	.004	3
64	MP2A	X	0	3
65	MP2A	Z	-13.015	3
66	MP2A	Mx	0	3
67	MP2B	X	0	3
68	MP2B	Z	-8.916	3
69	MP2B	Mx	-.004	3
70	MP2C	X	0	3
71	MP2C	Z	-8.189	3
72	MP2C	Mx	.004	3
73	OVP	X	0	1
74	OVP	Z	-25.051	1
75	OVP	Mx	0	1
76	MP1A	X	0	1
77	MP1A	Z	-19.817	1
78	MP1A	Mx	0	1
79	MP1A	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	-19.817	3
81	MP1A	Mx	0	3
82	MP1B	X	0	1
83	MP1B	Z	-18.115	1
84	MP1B	Mx	.012	1
85	MP1B	X	0	3
86	MP1B	Z	-18.115	3
87	MP1B	Mx	.012	3
88	MP1C	X	0	1
89	MP1C	Z	-17.813	1
90	MP1C	Mx	-.013	1
91	MP1C	X	0	3
92	MP1C	Z	-17.813	3
93	MP1C	Mx	-.013	3
94	MP4A	X	0	1
95	MP4A	Z	-19.817	1
96	MP4A	Mx	0	1
97	MP4A	X	0	3
98	MP4A	Z	-19.817	3
99	MP4A	Mx	0	3
100	MP4B	X	0	1
101	MP4B	Z	-18.115	1
102	MP4B	Mx	.012	1
103	MP4B	X	0	3
104	MP4B	Z	-18.115	3
105	MP4B	Mx	.012	3
106	MP4C	X	0	1
107	MP4C	Z	-17.813	1
108	MP4C	Mx	-.013	1
109	MP4C	X	0	3
110	MP4C	Z	-17.813	3
111	MP4C	Mx	-.013	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.546	.92
2	MP2A	Z	-21.731	.92
3	MP2A	Mx	-.024	.92
4	MP2A	X	12.546	4.92
5	MP2A	Z	-21.731	4.92
6	MP2A	Mx	-.024	4.92
7	MP2B	X	12.224	.92
8	MP2B	Z	-21.173	.92
9	MP2B	Mx	.000699	.92
10	MP2B	X	12.224	4.92
11	MP2B	Z	-21.173	4.92
12	MP2B	Mx	.000699	4.92
13	MP2C	X	12.224	.92
14	MP2C	Z	-21.173	.92
15	MP2C	Mx	.000699	.92
16	MP2C	X	12.224	4.92
17	MP2C	Z	-21.173	4.92
18	MP2C	Mx	.000699	4.92
19	MP2A	X	12.546	.92
20	MP2A	Z	-21.731	.92
21	MP2A	Mx	.005	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	12.546	4.92
23	MP2A	Z	-21.731	4.92
24	MP2A	Mx	.005	4.92
25	MP2B	X	11.066	.92
26	MP2B	Z	-19.166	.92
27	MP2B	Mx	.017	.92
28	MP2B	X	11.066	4.92
29	MP2B	Z	-19.166	4.92
30	MP2B	Mx	.017	4.92
31	MP2C	X	12.224	.92
32	MP2C	Z	-21.173	.92
33	MP2C	Mx	-.024	.92
34	MP2C	X	12.224	4.92
35	MP2C	Z	-21.173	4.92
36	MP2C	Mx	-.024	4.92
37	MP3A	X	6.612	1
38	MP3A	Z	-11.452	1
39	MP3A	Mx	-.005	1
40	MP3A	X	6.612	3
41	MP3A	Z	-11.452	3
42	MP3A	Mx	-.005	3
43	MP3B	X	3.289	1
44	MP3B	Z	-5.697	1
45	MP3B	Mx	.005	1
46	MP3B	X	3.289	3
47	MP3B	Z	-5.697	3
48	MP3B	Mx	.005	3
49	MP3C	X	5.889	1
50	MP3C	Z	-10.2	1
51	MP3C	Mx	-.006	1
52	MP3C	X	5.889	3
53	MP3C	Z	-10.2	3
54	MP3C	Mx	-.006	3
55	MP1A	X	6.012	3
56	MP1A	Z	-10.414	3
57	MP1A	Mx	.003	3
58	MP1B	X	4.527	3
59	MP1B	Z	-7.841	3
60	MP1B	Mx	-.005	3
61	MP1C	X	5.689	3
62	MP1C	Z	-9.854	3
63	MP1C	Mx	.004	3
64	MP2A	X	5.824	3
65	MP2A	Z	-10.088	3
66	MP2A	Mx	.003	3
67	MP2B	X	3.775	3
68	MP2B	Z	-6.538	3
69	MP2B	Mx	-.004	3
70	MP2C	X	5.378	3
71	MP2C	Z	-9.315	3
72	MP2C	Mx	.003	3
73	OVP	X	11.536	1
74	OVP	Z	-19.981	1
75	OVP	Mx	0	1
76	MP1A	X	9.625	1
77	MP1A	Z	-16.671	1
78	MP1A	Mx	-.007	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1A	X	9.625	3
80	MP1A	Z	-16.671	3
81	MP1A	Mx	-.007	3
82	MP1B	X	8.774	1
83	MP1B	Z	-15.196	1
84	MP1B	Mx	.013	1
85	MP1B	X	8.774	3
86	MP1B	Z	-15.196	3
87	MP1B	Mx	.013	3
88	MP1C	X	9.44	1
89	MP1C	Z	-16.35	1
90	MP1C	Mx	-.009	1
91	MP1C	X	9.44	3
92	MP1C	Z	-16.35	3
93	MP1C	Mx	-.009	3
94	MP4A	X	9.625	1
95	MP4A	Z	-16.671	1
96	MP4A	Mx	-.007	1
97	MP4A	X	9.625	3
98	MP4A	Z	-16.671	3
99	MP4A	Mx	-.007	3
100	MP4B	X	8.774	1
101	MP4B	Z	-15.196	1
102	MP4B	Mx	.013	1
103	MP4B	X	8.774	3
104	MP4B	Z	-15.196	3
105	MP4B	Mx	.013	3
106	MP4C	X	9.44	1
107	MP4C	Z	-16.35	1
108	MP4C	Mx	-.009	1
109	MP4C	X	9.44	3
110	MP4C	Z	-16.35	3
111	MP4C	Mx	-.009	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	20.021	.92
2	MP2A	Z	-11.559	.92
3	MP2A	Mx	-.023	.92
4	MP2A	X	20.021	4.92
5	MP2A	Z	-11.559	4.92
6	MP2A	Mx	-.023	4.92
7	MP2B	X	22.483	.92
8	MP2B	Z	-12.98	.92
9	MP2B	Mx	.014	.92
10	MP2B	X	22.483	4.92
11	MP2B	Z	-12.98	4.92
12	MP2B	Mx	.014	4.92
13	MP2C	X	22.483	.92
14	MP2C	Z	-12.98	.92
15	MP2C	Mx	.014	.92
16	MP2C	X	22.483	4.92
17	MP2C	Z	-12.98	4.92
18	MP2C	Mx	.014	4.92
19	MP2A	X	20.021	.92
20	MP2A	Z	-11.559	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	-.007	.92
22	MP2A	X	20.021	4.92
23	MP2A	Z	-11.559	4.92
24	MP2A	Mx	-.007	4.92
25	MP2B	X	20.021	.92
26	MP2B	Z	-11.559	.92
27	MP2B	Mx	.023	.92
28	MP2B	X	20.021	4.92
29	MP2B	Z	-11.559	4.92
30	MP2B	Mx	.023	4.92
31	MP2C	X	22.483	.92
32	MP2C	Z	-12.98	.92
33	MP2C	Mx	-.02	.92
34	MP2C	X	22.483	4.92
35	MP2C	Z	-12.98	4.92
36	MP2C	Mx	-.02	4.92
37	MP3A	X	7.615	1
38	MP3A	Z	-4.397	1
39	MP3A	Mx	-.006	1
40	MP3A	X	7.615	3
41	MP3A	Z	-4.397	3
42	MP3A	Mx	-.006	3
43	MP3B	X	7.615	1
44	MP3B	Z	-4.397	1
45	MP3B	Mx	.006	1
46	MP3B	X	7.615	3
47	MP3B	Z	-4.397	3
48	MP3B	Mx	.006	3
49	MP3C	X	13.139	1
50	MP3C	Z	-7.586	1
51	MP3C	Mx	-.002	1
52	MP3C	X	13.139	3
53	MP3C	Z	-7.586	3
54	MP3C	Mx	-.002	3
55	MP1A	X	8.699	3
56	MP1A	Z	-5.022	3
57	MP1A	Mx	.004	3
58	MP1B	X	8.699	3
59	MP1B	Z	-5.022	3
60	MP1B	Mx	-.004	3
61	MP1C	X	11.168	3
62	MP1C	Z	-6.448	3
63	MP1C	Mx	.001	3
64	MP2A	X	7.721	3
65	MP2A	Z	-4.458	3
66	MP2A	Mx	.004	3
67	MP2B	X	7.721	3
68	MP2B	Z	-4.458	3
69	MP2B	Mx	-.004	3
70	MP2C	X	11.128	3
71	MP2C	Z	-6.425	3
72	MP2C	Mx	.001	3
73	OVP	X	16.555	1
74	OVP	Z	-9.558	1
75	OVP	Mx	0	1
76	MP1A	X	15.688	1
77	MP1A	Z	-9.057	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1A	Mx	-.012	1
79	MP1A	X	15.688	3
80	MP1A	Z	-9.057	3
81	MP1A	Mx	-.012	3
82	MP1B	X	15.688	1
83	MP1B	Z	-9.057	1
84	MP1B	Mx	.012	1
85	MP1B	X	15.688	3
86	MP1B	Z	-9.057	3
87	MP1B	Mx	.012	3
88	MP1C	X	17.103	1
89	MP1C	Z	-9.874	1
90	MP1C	Mx	-.003	1
91	MP1C	X	17.103	3
92	MP1C	Z	-9.874	3
93	MP1C	Mx	-.003	3
94	MP4A	X	15.688	1
95	MP4A	Z	-9.057	1
96	MP4A	Mx	-.012	1
97	MP4A	X	15.688	3
98	MP4A	Z	-9.057	3
99	MP4A	Mx	-.012	3
100	MP4B	X	15.688	1
101	MP4B	Z	-9.057	1
102	MP4B	Mx	.012	1
103	MP4B	X	15.688	3
104	MP4B	Z	-9.057	3
105	MP4B	Mx	.012	3
106	MP4C	X	17.103	1
107	MP4C	Z	-9.874	1
108	MP4C	Mx	-.003	1
109	MP4C	X	17.103	3
110	MP4C	Z	-9.874	3
111	MP4C	Mx	-.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	22.131	.92
2	MP2A	Z	0	.92
3	MP2A	Mx	-.017	.92
4	MP2A	X	22.131	4.92
5	MP2A	Z	0	4.92
6	MP2A	Mx	-.017	4.92
7	MP2B	X	25.618	.92
8	MP2B	Z	0	.92
9	MP2B	Mx	.023	.92
10	MP2B	X	25.618	4.92
11	MP2B	Z	0	4.92
12	MP2B	Mx	.023	4.92
13	MP2C	X	25.618	.92
14	MP2C	Z	0	.92
15	MP2C	Mx	.023	.92
16	MP2C	X	25.618	4.92
17	MP2C	Z	0	4.92
18	MP2C	Mx	.023	4.92
19	MP2A	X	22.131	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2A	Z	0	.92
21	MP2A	Mx	-.017	.92
22	MP2A	X	22.131	4.92
23	MP2A	Z	0	4.92
24	MP2A	Mx	-.017	4.92
25	MP2B	X	25.093	.92
26	MP2B	Z	0	.92
27	MP2B	Mx	.024	.92
28	MP2B	X	25.093	4.92
29	MP2B	Z	0	4.92
30	MP2B	Mx	.024	4.92
31	MP2C	X	25.618	.92
32	MP2C	Z	0	.92
33	MP2C	Mx	-.009	.92
34	MP2C	X	25.618	4.92
35	MP2C	Z	0	4.92
36	MP2C	Mx	-.009	4.92
37	MP3A	X	6.578	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.005	1
40	MP3A	X	6.578	3
41	MP3A	Z	0	3
42	MP3A	Mx	-.005	3
43	MP3B	X	13.224	1
44	MP3B	Z	0	1
45	MP3B	Mx	.005	1
46	MP3B	X	13.224	3
47	MP3B	Z	0	3
48	MP3B	Mx	.005	3
49	MP3C	X	14.403	1
50	MP3C	Z	0	1
51	MP3C	Mx	.004	1
52	MP3C	X	14.403	3
53	MP3C	Z	0	3
54	MP3C	Mx	.004	3
55	MP1A	X	9.054	3
56	MP1A	Z	0	3
57	MP1A	Mx	.005	3
58	MP1B	X	12.025	3
59	MP1B	Z	0	3
60	MP1B	Mx	-.003	3
61	MP1C	X	12.551	3
62	MP1C	Z	0	3
63	MP1C	Mx	-.002	3
64	MP2A	X	7.549	3
65	MP2A	Z	0	3
66	MP2A	Mx	.004	3
67	MP2B	X	11.648	3
68	MP2B	Z	0	3
69	MP2B	Mx	-.003	3
70	MP2C	X	12.375	3
71	MP2C	Z	0	3
72	MP2C	Mx	-.002	3
73	OVP	X	17.137	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP1A	X	17.547	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1A	Z	0	1
78	MP1A	Mx	-.013	1
79	MP1A	X	17.547	3
80	MP1A	Z	0	3
81	MP1A	Mx	-.013	3
82	MP1B	X	19.25	1
83	MP1B	Z	0	1
84	MP1B	Mx	.007	1
85	MP1B	X	19.25	3
86	MP1B	Z	0	3
87	MP1B	Mx	.007	3
88	MP1C	X	19.552	1
89	MP1C	Z	0	1
90	MP1C	Mx	.005	1
91	MP1C	X	19.552	3
92	MP1C	Z	0	3
93	MP1C	Mx	.005	3
94	MP4A	X	17.547	1
95	MP4A	Z	0	1
96	MP4A	Mx	-.013	1
97	MP4A	X	17.547	3
98	MP4A	Z	0	3
99	MP4A	Mx	-.013	3
100	MP4B	X	19.25	1
101	MP4B	Z	0	1
102	MP4B	Mx	.007	1
103	MP4B	X	19.25	3
104	MP4B	Z	0	3
105	MP4B	Mx	.007	3
106	MP4C	X	19.552	1
107	MP4C	Z	0	1
108	MP4C	Mx	.005	1
109	MP4C	X	19.552	3
110	MP4C	Z	0	3
111	MP4C	Mx	.005	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	20.021	.92
2	MP2A	Z	11.559	.92
3	MP2A	Mx	-.007	.92
4	MP2A	X	20.021	4.92
5	MP2A	Z	11.559	4.92
6	MP2A	Mx	-.007	4.92
7	MP2B	X	20.579	.92
8	MP2B	Z	11.881	.92
9	MP2B	Mx	.024	.92
10	MP2B	X	20.579	4.92
11	MP2B	Z	11.881	4.92
12	MP2B	Mx	.024	4.92
13	MP2C	X	20.579	.92
14	MP2C	Z	11.881	.92
15	MP2C	Mx	.024	.92
16	MP2C	X	20.579	4.92
17	MP2C	Z	11.881	4.92
18	MP2C	Mx	.024	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	20.021	.92
20	MP2A	Z	11.559	.92
21	MP2A	Mx	-.023	.92
22	MP2A	X	20.021	4.92
23	MP2A	Z	11.559	4.92
24	MP2A	Mx	-.023	4.92
25	MP2B	X	22.586	.92
26	MP2B	Z	13.04	.92
27	MP2B	Mx	.017	.92
28	MP2B	X	22.586	4.92
29	MP2B	Z	13.04	4.92
30	MP2B	Mx	.017	4.92
31	MP2C	X	20.579	.92
32	MP2C	Z	11.881	.92
33	MP2C	Mx	.003	.92
34	MP2C	X	20.579	4.92
35	MP2C	Z	11.881	4.92
36	MP2C	Mx	.003	4.92
37	MP3A	X	7.615	1
38	MP3A	Z	4.397	1
39	MP3A	Mx	-.006	1
40	MP3A	X	7.615	3
41	MP3A	Z	4.397	3
42	MP3A	Mx	-.006	3
43	MP3B	X	13.371	1
44	MP3B	Z	7.72	1
45	MP3B	Mx	0	1
46	MP3B	X	13.371	3
47	MP3B	Z	7.72	3
48	MP3B	Mx	0	3
49	MP3C	X	8.868	1
50	MP3C	Z	5.12	1
51	MP3C	Mx	.006	1
52	MP3C	X	8.868	3
53	MP3C	Z	5.12	3
54	MP3C	Mx	.006	3
55	MP1A	X	8.699	3
56	MP1A	Z	5.022	3
57	MP1A	Mx	.004	3
58	MP1B	X	11.271	3
59	MP1B	Z	6.507	3
60	MP1B	Mx	0	3
61	MP1C	X	9.258	3
62	MP1C	Z	5.345	3
63	MP1C	Mx	-.004	3
64	MP2A	X	7.721	3
65	MP2A	Z	4.458	3
66	MP2A	Mx	.004	3
67	MP2B	X	11.271	3
68	MP2B	Z	6.507	3
69	MP2B	Mx	0	3
70	MP2C	X	8.493	3
71	MP2C	Z	4.904	3
72	MP2C	Mx	-.004	3
73	OVP	X	16.555	1
74	OVP	Z	9.558	1
75	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1A	X	15.688	1
77	MP1A	Z	9.057	1
78	MP1A	Mx	-.012	1
79	MP1A	X	15.688	3
80	MP1A	Z	9.057	3
81	MP1A	Mx	-.012	3
82	MP1B	X	17.162	1
83	MP1B	Z	9.909	1
84	MP1B	Mx	0	1
85	MP1B	X	17.162	3
86	MP1B	Z	9.909	3
87	MP1B	Mx	0	3
88	MP1C	X	16.009	1
89	MP1C	Z	9.243	1
90	MP1C	Mx	.011	1
91	MP1C	X	16.009	3
92	MP1C	Z	9.243	3
93	MP1C	Mx	.011	3
94	MP4A	X	15.688	1
95	MP4A	Z	9.057	1
96	MP4A	Mx	-.012	1
97	MP4A	X	15.688	3
98	MP4A	Z	9.057	3
99	MP4A	Mx	-.012	3
100	MP4B	X	17.162	1
101	MP4B	Z	9.909	1
102	MP4B	Mx	0	1
103	MP4B	X	17.162	3
104	MP4B	Z	9.909	3
105	MP4B	Mx	0	3
106	MP4C	X	16.009	1
107	MP4C	Z	9.243	1
108	MP4C	Mx	.011	1
109	MP4C	X	16.009	3
110	MP4C	Z	9.243	3
111	MP4C	Mx	.011	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.546	.92
2	MP2A	Z	21.731	.92
3	MP2A	Mx	.005	.92
4	MP2A	X	12.546	4.92
5	MP2A	Z	21.731	4.92
6	MP2A	Mx	.005	4.92
7	MP2B	X	11.125	.92
8	MP2B	Z	19.269	.92
9	MP2B	Mx	.019	.92
10	MP2B	X	11.125	4.92
11	MP2B	Z	19.269	4.92
12	MP2B	Mx	.019	4.92
13	MP2C	X	11.125	.92
14	MP2C	Z	19.269	.92
15	MP2C	Mx	.019	.92
16	MP2C	X	11.125	4.92
17	MP2C	Z	19.269	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.019	4.92
19	MP2A	X	12.546	.92
20	MP2A	Z	21.731	.92
21	MP2A	Mx	-.024	.92
22	MP2A	X	12.546	4.92
23	MP2A	Z	21.731	4.92
24	MP2A	Mx	-.024	4.92
25	MP2B	X	12.546	.92
26	MP2B	Z	21.731	.92
27	MP2B	Mx	.005	.92
28	MP2B	X	12.546	4.92
29	MP2B	Z	21.731	4.92
30	MP2B	Mx	.005	4.92
31	MP2C	X	11.125	.92
32	MP2C	Z	19.269	.92
33	MP2C	Mx	.014	.92
34	MP2C	X	11.125	4.92
35	MP2C	Z	19.269	4.92
36	MP2C	Mx	.014	4.92
37	MP3A	X	6.612	1
38	MP3A	Z	11.452	1
39	MP3A	Mx	-.005	1
40	MP3A	X	6.612	3
41	MP3A	Z	11.452	3
42	MP3A	Mx	-.005	3
43	MP3B	X	6.612	1
44	MP3B	Z	11.452	1
45	MP3B	Mx	-.005	1
46	MP3B	X	6.612	3
47	MP3B	Z	11.452	3
48	MP3B	Mx	-.005	3
49	MP3C	X	3.423	1
50	MP3C	Z	5.928	1
51	MP3C	Mx	.005	1
52	MP3C	X	3.423	3
53	MP3C	Z	5.928	3
54	MP3C	Mx	.005	3
55	MP1A	X	6.012	3
56	MP1A	Z	10.414	3
57	MP1A	Mx	.003	3
58	MP1B	X	6.012	3
59	MP1B	Z	10.414	3
60	MP1B	Mx	.003	3
61	MP1C	X	4.587	3
62	MP1C	Z	7.945	3
63	MP1C	Mx	-.005	3
64	MP2A	X	5.824	3
65	MP2A	Z	10.088	3
66	MP2A	Mx	.003	3
67	MP2B	X	5.824	3
68	MP2B	Z	10.088	3
69	MP2B	Mx	.003	3
70	MP2C	X	3.857	3
71	MP2C	Z	6.681	3
72	MP2C	Mx	-.004	3
73	OVP	X	11.536	1
74	OVP	Z	19.981	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	OVP	Mx	0	1
76	MP1A	X	9.625	1
77	MP1A	Z	16.671	1
78	MP1A	Mx	-.007	1
79	MP1A	X	9.625	3
80	MP1A	Z	16.671	3
81	MP1A	Mx	-.007	3
82	MP1B	X	9.625	1
83	MP1B	Z	16.671	1
84	MP1B	Mx	-.007	1
85	MP1B	X	9.625	3
86	MP1B	Z	16.671	3
87	MP1B	Mx	-.007	3
88	MP1C	X	8.808	1
89	MP1C	Z	15.256	1
90	MP1C	Mx	.013	1
91	MP1C	X	8.808	3
92	MP1C	Z	15.256	3
93	MP1C	Mx	.013	3
94	MP4A	X	9.625	1
95	MP4A	Z	16.671	1
96	MP4A	Mx	-.007	1
97	MP4A	X	9.625	3
98	MP4A	Z	16.671	3
99	MP4A	Mx	-.007	3
100	MP4B	X	9.625	1
101	MP4B	Z	16.671	1
102	MP4B	Mx	-.007	1
103	MP4B	X	9.625	3
104	MP4B	Z	16.671	3
105	MP4B	Mx	-.007	3
106	MP4C	X	8.808	1
107	MP4C	Z	15.256	1
108	MP4C	Mx	.013	1
109	MP4C	X	8.808	3
110	MP4C	Z	15.256	3
111	MP4C	Mx	.013	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.92
2	MP2A	Z	26.08	.92
3	MP2A	Mx	.017	.92
4	MP2A	X	0	4.92
5	MP2A	Z	26.08	4.92
6	MP2A	Mx	.017	4.92
7	MP2B	X	0	.92
8	MP2B	Z	22.593	.92
9	MP2B	Mx	.011	.92
10	MP2B	X	0	4.92
11	MP2B	Z	22.593	4.92
12	MP2B	Mx	.011	4.92
13	MP2C	X	0	.92
14	MP2C	Z	22.593	.92
15	MP2C	Mx	.011	.92
16	MP2C	X	0	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	22.593	4.92
18	MP2C	Mx	.011	4.92
19	MP2A	X	0	.92
20	MP2A	Z	26.08	.92
21	MP2A	Mx	-.017	.92
22	MP2A	X	0	4.92
23	MP2A	Z	26.08	4.92
24	MP2A	Mx	-.017	4.92
25	MP2B	X	0	.92
26	MP2B	Z	23.118	.92
27	MP2B	Mx	-.007	.92
28	MP2B	X	0	4.92
29	MP2B	Z	23.118	4.92
30	MP2B	Mx	-.007	4.92
31	MP2C	X	0	.92
32	MP2C	Z	22.593	.92
33	MP2C	Mx	.021	.92
34	MP2C	X	0	4.92
35	MP2C	Z	22.593	4.92
36	MP2C	Mx	.021	4.92
37	MP3A	X	0	1
38	MP3A	Z	15.439	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	15.439	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	8.794	1
45	MP3B	Mx	-.006	1
46	MP3B	X	0	3
47	MP3B	Z	8.794	3
48	MP3B	Mx	-.006	3
49	MP3C	X	0	1
50	MP3C	Z	7.615	1
51	MP3C	Mx	.005	1
52	MP3C	X	0	3
53	MP3C	Z	7.615	3
54	MP3C	Mx	.005	3
55	MP1A	X	0	3
56	MP1A	Z	13.015	3
57	MP1A	Mx	0	3
58	MP1B	X	0	3
59	MP1B	Z	10.044	3
60	MP1B	Mx	.004	3
61	MP1C	X	0	3
62	MP1C	Z	9.517	3
63	MP1C	Mx	-.004	3
64	MP2A	X	0	3
65	MP2A	Z	13.015	3
66	MP2A	Mx	0	3
67	MP2B	X	0	3
68	MP2B	Z	8.916	3
69	MP2B	Mx	.004	3
70	MP2C	X	0	3
71	MP2C	Z	8.189	3
72	MP2C	Mx	-.004	3
73	OVP	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	OVP	Z	25.051	1
75	OVP	Mx	0	1
76	MP1A	X	0	1
77	MP1A	Z	19.817	1
78	MP1A	Mx	0	1
79	MP1A	X	0	3
80	MP1A	Z	19.817	3
81	MP1A	Mx	0	3
82	MP1B	X	0	1
83	MP1B	Z	18.115	1
84	MP1B	Mx	-.012	1
85	MP1B	X	0	3
86	MP1B	Z	18.115	3
87	MP1B	Mx	-.012	3
88	MP1C	X	0	1
89	MP1C	Z	17.813	1
90	MP1C	Mx	.013	1
91	MP1C	X	0	3
92	MP1C	Z	17.813	3
93	MP1C	Mx	.013	3
94	MP4A	X	0	1
95	MP4A	Z	19.817	1
96	MP4A	Mx	0	1
97	MP4A	X	0	3
98	MP4A	Z	19.817	3
99	MP4A	Mx	0	3
100	MP4B	X	0	1
101	MP4B	Z	18.115	1
102	MP4B	Mx	-.012	1
103	MP4B	X	0	3
104	MP4B	Z	18.115	3
105	MP4B	Mx	-.012	3
106	MP4C	X	0	1
107	MP4C	Z	17.813	1
108	MP4C	Mx	.013	1
109	MP4C	X	0	3
110	MP4C	Z	17.813	3
111	MP4C	Mx	.013	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-12.546	.92
2	MP2A	Z	21.731	.92
3	MP2A	Mx	.024	.92
4	MP2A	X	-12.546	4.92
5	MP2A	Z	21.731	4.92
6	MP2A	Mx	.024	4.92
7	MP2B	X	-12.224	.92
8	MP2B	Z	21.173	.92
9	MP2B	Mx	-.000699	.92
10	MP2B	X	-12.224	4.92
11	MP2B	Z	21.173	4.92
12	MP2B	Mx	-.000699	4.92
13	MP2C	X	-12.224	.92
14	MP2C	Z	21.173	.92
15	MP2C	Mx	-.000699	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2C	X	-12.224	4.92
17	MP2C	Z	21.173	4.92
18	MP2C	Mx	-.000699	4.92
19	MP2A	X	-12.546	.92
20	MP2A	Z	21.731	.92
21	MP2A	Mx	-.005	.92
22	MP2A	X	-12.546	4.92
23	MP2A	Z	21.731	4.92
24	MP2A	Mx	-.005	4.92
25	MP2B	X	-11.066	.92
26	MP2B	Z	19.166	.92
27	MP2B	Mx	-.017	.92
28	MP2B	X	-11.066	4.92
29	MP2B	Z	19.166	4.92
30	MP2B	Mx	-.017	4.92
31	MP2C	X	-12.224	.92
32	MP2C	Z	21.173	.92
33	MP2C	Mx	.024	.92
34	MP2C	X	-12.224	4.92
35	MP2C	Z	21.173	4.92
36	MP2C	Mx	.024	4.92
37	MP3A	X	-6.612	1
38	MP3A	Z	11.452	1
39	MP3A	Mx	.005	1
40	MP3A	X	-6.612	3
41	MP3A	Z	11.452	3
42	MP3A	Mx	.005	3
43	MP3B	X	-3.289	1
44	MP3B	Z	5.697	1
45	MP3B	Mx	-.005	1
46	MP3B	X	-3.289	3
47	MP3B	Z	5.697	3
48	MP3B	Mx	-.005	3
49	MP3C	X	-5.889	1
50	MP3C	Z	10.2	1
51	MP3C	Mx	.006	1
52	MP3C	X	-5.889	3
53	MP3C	Z	10.2	3
54	MP3C	Mx	.006	3
55	MP1A	X	-6.012	3
56	MP1A	Z	10.414	3
57	MP1A	Mx	-.003	3
58	MP1B	X	-4.527	3
59	MP1B	Z	7.841	3
60	MP1B	Mx	.005	3
61	MP1C	X	-5.689	3
62	MP1C	Z	9.854	3
63	MP1C	Mx	-.004	3
64	MP2A	X	-5.824	3
65	MP2A	Z	10.088	3
66	MP2A	Mx	-.003	3
67	MP2B	X	-3.775	3
68	MP2B	Z	6.538	3
69	MP2B	Mx	.004	3
70	MP2C	X	-5.378	3
71	MP2C	Z	9.315	3
72	MP2C	Mx	-.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	OVP	X	-11.536	1
74	OVP	Z	19.981	1
75	OVP	Mx	0	1
76	MP1A	X	-9.625	1
77	MP1A	Z	16.671	1
78	MP1A	Mx	.007	1
79	MP1A	X	-9.625	3
80	MP1A	Z	16.671	3
81	MP1A	Mx	.007	3
82	MP1B	X	-8.774	1
83	MP1B	Z	15.196	1
84	MP1B	Mx	-.013	1
85	MP1B	X	-8.774	3
86	MP1B	Z	15.196	3
87	MP1B	Mx	-.013	3
88	MP1C	X	-9.44	1
89	MP1C	Z	16.35	1
90	MP1C	Mx	.009	1
91	MP1C	X	-9.44	3
92	MP1C	Z	16.35	3
93	MP1C	Mx	.009	3
94	MP4A	X	-9.625	1
95	MP4A	Z	16.671	1
96	MP4A	Mx	.007	1
97	MP4A	X	-9.625	3
98	MP4A	Z	16.671	3
99	MP4A	Mx	.007	3
100	MP4B	X	-8.774	1
101	MP4B	Z	15.196	1
102	MP4B	Mx	-.013	1
103	MP4B	X	-8.774	3
104	MP4B	Z	15.196	3
105	MP4B	Mx	-.013	3
106	MP4C	X	-9.44	1
107	MP4C	Z	16.35	1
108	MP4C	Mx	.009	1
109	MP4C	X	-9.44	3
110	MP4C	Z	16.35	3
111	MP4C	Mx	.009	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-20.021	.92
2	MP2A	Z	11.559	.92
3	MP2A	Mx	.023	.92
4	MP2A	X	-20.021	4.92
5	MP2A	Z	11.559	4.92
6	MP2A	Mx	.023	4.92
7	MP2B	X	-22.483	.92
8	MP2B	Z	12.98	.92
9	MP2B	Mx	-.014	.92
10	MP2B	X	-22.483	4.92
11	MP2B	Z	12.98	4.92
12	MP2B	Mx	-.014	4.92
13	MP2C	X	-22.483	.92
14	MP2C	Z	12.98	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mx	-.014	.92
16	MP2C	X	-22.483	4.92
17	MP2C	Z	12.98	4.92
18	MP2C	Mx	-.014	4.92
19	MP2A	X	-20.021	.92
20	MP2A	Z	11.559	.92
21	MP2A	Mx	.007	.92
22	MP2A	X	-20.021	4.92
23	MP2A	Z	11.559	4.92
24	MP2A	Mx	.007	4.92
25	MP2B	X	-20.021	.92
26	MP2B	Z	11.559	.92
27	MP2B	Mx	-.023	.92
28	MP2B	X	-20.021	4.92
29	MP2B	Z	11.559	4.92
30	MP2B	Mx	-.023	4.92
31	MP2C	X	-22.483	.92
32	MP2C	Z	12.98	.92
33	MP2C	Mx	.02	.92
34	MP2C	X	-22.483	4.92
35	MP2C	Z	12.98	4.92
36	MP2C	Mx	.02	4.92
37	MP3A	X	-7.615	1
38	MP3A	Z	4.397	1
39	MP3A	Mx	.006	1
40	MP3A	X	-7.615	3
41	MP3A	Z	4.397	3
42	MP3A	Mx	.006	3
43	MP3B	X	-7.615	1
44	MP3B	Z	4.397	1
45	MP3B	Mx	-.006	1
46	MP3B	X	-7.615	3
47	MP3B	Z	4.397	3
48	MP3B	Mx	-.006	3
49	MP3C	X	-13.139	1
50	MP3C	Z	7.586	1
51	MP3C	Mx	.002	1
52	MP3C	X	-13.139	3
53	MP3C	Z	7.586	3
54	MP3C	Mx	.002	3
55	MP1A	X	-8.699	3
56	MP1A	Z	5.022	3
57	MP1A	Mx	-.004	3
58	MP1B	X	-8.699	3
59	MP1B	Z	5.022	3
60	MP1B	Mx	.004	3
61	MP1C	X	-11.168	3
62	MP1C	Z	6.448	3
63	MP1C	Mx	-.001	3
64	MP2A	X	-7.721	3
65	MP2A	Z	4.458	3
66	MP2A	Mx	-.004	3
67	MP2B	X	-7.721	3
68	MP2B	Z	4.458	3
69	MP2B	Mx	.004	3
70	MP2C	X	-11.128	3
71	MP2C	Z	6.425	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	-.001	3
73	OVP	X	-16.555	1
74	OVP	Z	9.558	1
75	OVP	Mx	0	1
76	MP1A	X	-15.688	1
77	MP1A	Z	9.057	1
78	MP1A	Mx	.012	1
79	MP1A	X	-15.688	3
80	MP1A	Z	9.057	3
81	MP1A	Mx	.012	3
82	MP1B	X	-15.688	1
83	MP1B	Z	9.057	1
84	MP1B	Mx	-.012	1
85	MP1B	X	-15.688	3
86	MP1B	Z	9.057	3
87	MP1B	Mx	-.012	3
88	MP1C	X	-17.103	1
89	MP1C	Z	9.874	1
90	MP1C	Mx	.003	1
91	MP1C	X	-17.103	3
92	MP1C	Z	9.874	3
93	MP1C	Mx	.003	3
94	MP4A	X	-15.688	1
95	MP4A	Z	9.057	1
96	MP4A	Mx	.012	1
97	MP4A	X	-15.688	3
98	MP4A	Z	9.057	3
99	MP4A	Mx	.012	3
100	MP4B	X	-15.688	1
101	MP4B	Z	9.057	1
102	MP4B	Mx	-.012	1
103	MP4B	X	-15.688	3
104	MP4B	Z	9.057	3
105	MP4B	Mx	-.012	3
106	MP4C	X	-17.103	1
107	MP4C	Z	9.874	1
108	MP4C	Mx	.003	1
109	MP4C	X	-17.103	3
110	MP4C	Z	9.874	3
111	MP4C	Mx	.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-22.131	.92
2	MP2A	Z	0	.92
3	MP2A	Mx	.017	.92
4	MP2A	X	-22.131	4.92
5	MP2A	Z	0	4.92
6	MP2A	Mx	.017	4.92
7	MP2B	X	-25.618	.92
8	MP2B	Z	0	.92
9	MP2B	Mx	-.023	.92
10	MP2B	X	-25.618	4.92
11	MP2B	Z	0	4.92
12	MP2B	Mx	-.023	4.92
13	MP2C	X	-25.618	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP2C	Z	0	.92
15	MP2C	Mx	-.023	.92
16	MP2C	X	-25.618	4.92
17	MP2C	Z	0	4.92
18	MP2C	Mx	-.023	4.92
19	MP2A	X	-22.131	.92
20	MP2A	Z	0	.92
21	MP2A	Mx	.017	.92
22	MP2A	X	-22.131	4.92
23	MP2A	Z	0	4.92
24	MP2A	Mx	.017	4.92
25	MP2B	X	-25.093	.92
26	MP2B	Z	0	.92
27	MP2B	Mx	-.024	.92
28	MP2B	X	-25.093	4.92
29	MP2B	Z	0	4.92
30	MP2B	Mx	-.024	4.92
31	MP2C	X	-25.618	.92
32	MP2C	Z	0	.92
33	MP2C	Mx	.009	.92
34	MP2C	X	-25.618	4.92
35	MP2C	Z	0	4.92
36	MP2C	Mx	.009	4.92
37	MP3A	X	-6.578	1
38	MP3A	Z	0	1
39	MP3A	Mx	.005	1
40	MP3A	X	-6.578	3
41	MP3A	Z	0	3
42	MP3A	Mx	.005	3
43	MP3B	X	-13.224	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.005	1
46	MP3B	X	-13.224	3
47	MP3B	Z	0	3
48	MP3B	Mx	-.005	3
49	MP3C	X	-14.403	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.004	1
52	MP3C	X	-14.403	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.004	3
55	MP1A	X	-9.054	3
56	MP1A	Z	0	3
57	MP1A	Mx	-.005	3
58	MP1B	X	-12.025	3
59	MP1B	Z	0	3
60	MP1B	Mx	.003	3
61	MP1C	X	-12.551	3
62	MP1C	Z	0	3
63	MP1C	Mx	.002	3
64	MP2A	X	-7.549	3
65	MP2A	Z	0	3
66	MP2A	Mx	-.004	3
67	MP2B	X	-11.648	3
68	MP2B	Z	0	3
69	MP2B	Mx	.003	3
70	MP2C	X	-12.375	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2C	Z	0	3
72	MP2C	Mx	.002	3
73	OVP	X	-17.137	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP1A	X	-17.547	1
77	MP1A	Z	0	1
78	MP1A	Mx	.013	1
79	MP1A	X	-17.547	3
80	MP1A	Z	0	3
81	MP1A	Mx	.013	3
82	MP1B	X	-19.25	1
83	MP1B	Z	0	1
84	MP1B	Mx	-.007	1
85	MP1B	X	-19.25	3
86	MP1B	Z	0	3
87	MP1B	Mx	-.007	3
88	MP1C	X	-19.552	1
89	MP1C	Z	0	1
90	MP1C	Mx	-.005	1
91	MP1C	X	-19.552	3
92	MP1C	Z	0	3
93	MP1C	Mx	-.005	3
94	MP4A	X	-17.547	1
95	MP4A	Z	0	1
96	MP4A	Mx	.013	1
97	MP4A	X	-17.547	3
98	MP4A	Z	0	3
99	MP4A	Mx	.013	3
100	MP4B	X	-19.25	1
101	MP4B	Z	0	1
102	MP4B	Mx	-.007	1
103	MP4B	X	-19.25	3
104	MP4B	Z	0	3
105	MP4B	Mx	-.007	3
106	MP4C	X	-19.552	1
107	MP4C	Z	0	1
108	MP4C	Mx	-.005	1
109	MP4C	X	-19.552	3
110	MP4C	Z	0	3
111	MP4C	Mx	-.005	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-20.021	.92
2	MP2A	Z	-11.559	.92
3	MP2A	Mx	.007	.92
4	MP2A	X	-20.021	4.92
5	MP2A	Z	-11.559	4.92
6	MP2A	Mx	.007	4.92
7	MP2B	X	-20.579	.92
8	MP2B	Z	-11.881	.92
9	MP2B	Mx	-.024	.92
10	MP2B	X	-20.579	4.92
11	MP2B	Z	-11.881	4.92
12	MP2B	Mx	-.024	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	-20.579	.92
14	MP2C	Z	-11.881	.92
15	MP2C	Mx	-.024	.92
16	MP2C	X	-20.579	4.92
17	MP2C	Z	-11.881	4.92
18	MP2C	Mx	-.024	4.92
19	MP2A	X	-20.021	.92
20	MP2A	Z	-11.559	.92
21	MP2A	Mx	.023	.92
22	MP2A	X	-20.021	4.92
23	MP2A	Z	-11.559	4.92
24	MP2A	Mx	.023	4.92
25	MP2B	X	-22.586	.92
26	MP2B	Z	-13.04	.92
27	MP2B	Mx	-.017	.92
28	MP2B	X	-22.586	4.92
29	MP2B	Z	-13.04	4.92
30	MP2B	Mx	-.017	4.92
31	MP2C	X	-20.579	.92
32	MP2C	Z	-11.881	.92
33	MP2C	Mx	-.003	.92
34	MP2C	X	-20.579	4.92
35	MP2C	Z	-11.881	4.92
36	MP2C	Mx	-.003	4.92
37	MP3A	X	-7.615	1
38	MP3A	Z	-4.397	1
39	MP3A	Mx	.006	1
40	MP3A	X	-7.615	3
41	MP3A	Z	-4.397	3
42	MP3A	Mx	.006	3
43	MP3B	X	-13.371	1
44	MP3B	Z	-7.72	1
45	MP3B	Mx	0	1
46	MP3B	X	-13.371	3
47	MP3B	Z	-7.72	3
48	MP3B	Mx	0	3
49	MP3C	X	-8.868	1
50	MP3C	Z	-5.12	1
51	MP3C	Mx	-.006	1
52	MP3C	X	-8.868	3
53	MP3C	Z	-5.12	3
54	MP3C	Mx	-.006	3
55	MP1A	X	-8.699	3
56	MP1A	Z	-5.022	3
57	MP1A	Mx	-.004	3
58	MP1B	X	-11.271	3
59	MP1B	Z	-6.507	3
60	MP1B	Mx	0	3
61	MP1C	X	-9.258	3
62	MP1C	Z	-5.345	3
63	MP1C	Mx	.004	3
64	MP2A	X	-7.721	3
65	MP2A	Z	-4.458	3
66	MP2A	Mx	-.004	3
67	MP2B	X	-11.271	3
68	MP2B	Z	-6.507	3
69	MP2B	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP2C	X	-8.493	3
71	MP2C	Z	-4.904	3
72	MP2C	Mx	.004	3
73	OVP	X	-16.555	1
74	OVP	Z	-9.558	1
75	OVP	Mx	0	1
76	MP1A	X	-15.688	1
77	MP1A	Z	-9.057	1
78	MP1A	Mx	.012	1
79	MP1A	X	-15.688	3
80	MP1A	Z	-9.057	3
81	MP1A	Mx	.012	3
82	MP1B	X	-17.162	1
83	MP1B	Z	-9.909	1
84	MP1B	Mx	0	1
85	MP1B	X	-17.162	3
86	MP1B	Z	-9.909	3
87	MP1B	Mx	0	3
88	MP1C	X	-16.009	1
89	MP1C	Z	-9.243	1
90	MP1C	Mx	-.011	1
91	MP1C	X	-16.009	3
92	MP1C	Z	-9.243	3
93	MP1C	Mx	-.011	3
94	MP4A	X	-15.688	1
95	MP4A	Z	-9.057	1
96	MP4A	Mx	.012	1
97	MP4A	X	-15.688	3
98	MP4A	Z	-9.057	3
99	MP4A	Mx	.012	3
100	MP4B	X	-17.162	1
101	MP4B	Z	-9.909	1
102	MP4B	Mx	0	1
103	MP4B	X	-17.162	3
104	MP4B	Z	-9.909	3
105	MP4B	Mx	0	3
106	MP4C	X	-16.009	1
107	MP4C	Z	-9.243	1
108	MP4C	Mx	-.011	1
109	MP4C	X	-16.009	3
110	MP4C	Z	-9.243	3
111	MP4C	Mx	-.011	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-12.546	.92
2	MP2A	Z	-21.731	.92
3	MP2A	Mx	-.005	.92
4	MP2A	X	-12.546	4.92
5	MP2A	Z	-21.731	4.92
6	MP2A	Mx	-.005	4.92
7	MP2B	X	-11.125	.92
8	MP2B	Z	-19.269	.92
9	MP2B	Mx	-.019	.92
10	MP2B	X	-11.125	4.92
11	MP2B	Z	-19.269	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	-.019	4.92
13	MP2C	X	-11.125	.92
14	MP2C	Z	-19.269	.92
15	MP2C	Mx	-.019	.92
16	MP2C	X	-11.125	4.92
17	MP2C	Z	-19.269	4.92
18	MP2C	Mx	-.019	4.92
19	MP2A	X	-12.546	.92
20	MP2A	Z	-21.731	.92
21	MP2A	Mx	.024	.92
22	MP2A	X	-12.546	4.92
23	MP2A	Z	-21.731	4.92
24	MP2A	Mx	.024	4.92
25	MP2B	X	-12.546	.92
26	MP2B	Z	-21.731	.92
27	MP2B	Mx	-.005	.92
28	MP2B	X	-12.546	4.92
29	MP2B	Z	-21.731	4.92
30	MP2B	Mx	-.005	4.92
31	MP2C	X	-11.125	.92
32	MP2C	Z	-19.269	.92
33	MP2C	Mx	-.014	.92
34	MP2C	X	-11.125	4.92
35	MP2C	Z	-19.269	4.92
36	MP2C	Mx	-.014	4.92
37	MP3A	X	-6.612	1
38	MP3A	Z	-11.452	1
39	MP3A	Mx	.005	1
40	MP3A	X	-6.612	3
41	MP3A	Z	-11.452	3
42	MP3A	Mx	.005	3
43	MP3B	X	-6.612	1
44	MP3B	Z	-11.452	1
45	MP3B	Mx	.005	1
46	MP3B	X	-6.612	3
47	MP3B	Z	-11.452	3
48	MP3B	Mx	.005	3
49	MP3C	X	-3.423	1
50	MP3C	Z	-5.928	1
51	MP3C	Mx	-.005	1
52	MP3C	X	-3.423	3
53	MP3C	Z	-5.928	3
54	MP3C	Mx	-.005	3
55	MP1A	X	-6.012	3
56	MP1A	Z	-10.414	3
57	MP1A	Mx	-.003	3
58	MP1B	X	-6.012	3
59	MP1B	Z	-10.414	3
60	MP1B	Mx	-.003	3
61	MP1C	X	-4.587	3
62	MP1C	Z	-7.945	3
63	MP1C	Mx	.005	3
64	MP2A	X	-5.824	3
65	MP2A	Z	-10.088	3
66	MP2A	Mx	-.003	3
67	MP2B	X	-5.824	3
68	MP2B	Z	-10.088	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2B	Mx	-.003	3
70	MP2C	X	-3.857	3
71	MP2C	Z	-6.681	3
72	MP2C	Mx	.004	3
73	OVP	X	-11.536	1
74	OVP	Z	-19.981	1
75	OVP	Mx	0	1
76	MP1A	X	-9.625	1
77	MP1A	Z	-16.671	1
78	MP1A	Mx	.007	1
79	MP1A	X	-9.625	3
80	MP1A	Z	-16.671	3
81	MP1A	Mx	.007	3
82	MP1B	X	-9.625	1
83	MP1B	Z	-16.671	1
84	MP1B	Mx	.007	1
85	MP1B	X	-9.625	3
86	MP1B	Z	-16.671	3
87	MP1B	Mx	.007	3
88	MP1C	X	-8.808	1
89	MP1C	Z	-15.256	1
90	MP1C	Mx	-.013	1
91	MP1C	X	-8.808	3
92	MP1C	Z	-15.256	3
93	MP1C	Mx	-.013	3
94	MP4A	X	-9.625	1
95	MP4A	Z	-16.671	1
96	MP4A	Mx	.007	1
97	MP4A	X	-9.625	3
98	MP4A	Z	-16.671	3
99	MP4A	Mx	.007	3
100	MP4B	X	-9.625	1
101	MP4B	Z	-16.671	1
102	MP4B	Mx	.007	1
103	MP4B	X	-9.625	3
104	MP4B	Z	-16.671	3
105	MP4B	Mx	.007	3
106	MP4C	X	-8.808	1
107	MP4C	Z	-15.256	1
108	MP4C	Mx	-.013	1
109	MP4C	X	-8.808	3
110	MP4C	Z	-15.256	3
111	MP4C	Mx	-.013	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.92
2	MP2A	Z	-8.507	.92
3	MP2A	Mx	-.006	.92
4	MP2A	X	0	4.92
5	MP2A	Z	-8.507	4.92
6	MP2A	Mx	-.006	4.92
7	MP2B	X	0	.92
8	MP2B	Z	-7.278	.92
9	MP2B	Mx	-.003	.92
10	MP2B	X	0	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-7.278	4.92
12	MP2B	Mx	-.003	4.92
13	MP2C	X	0	.92
14	MP2C	Z	-7.278	.92
15	MP2C	Mx	-.003	.92
16	MP2C	X	0	4.92
17	MP2C	Z	-7.278	4.92
18	MP2C	Mx	-.003	4.92
19	MP2A	X	0	.92
20	MP2A	Z	-8.507	.92
21	MP2A	Mx	.006	.92
22	MP2A	X	0	4.92
23	MP2A	Z	-8.507	4.92
24	MP2A	Mx	.006	4.92
25	MP2B	X	0	.92
26	MP2B	Z	-7.464	.92
27	MP2B	Mx	.002	.92
28	MP2B	X	0	4.92
29	MP2B	Z	-7.464	4.92
30	MP2B	Mx	.002	4.92
31	MP2C	X	0	.92
32	MP2C	Z	-7.278	.92
33	MP2C	Mx	-.007	.92
34	MP2C	X	0	4.92
35	MP2C	Z	-7.278	4.92
36	MP2C	Mx	-.007	4.92
37	MP3A	X	0	1
38	MP3A	Z	-4.918	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	-4.918	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	-2.674	1
45	MP3B	Mx	.002	1
46	MP3B	X	0	3
47	MP3B	Z	-2.674	3
48	MP3B	Mx	.002	3
49	MP3C	X	0	1
50	MP3C	Z	-2.276	1
51	MP3C	Mx	-.002	1
52	MP3C	X	0	3
53	MP3C	Z	-2.276	3
54	MP3C	Mx	-.002	3
55	MP1A	X	0	3
56	MP1A	Z	-3.914	3
57	MP1A	Mx	0	3
58	MP1B	X	0	3
59	MP1B	Z	-2.94	3
60	MP1B	Mx	-.001	3
61	MP1C	X	0	3
62	MP1C	Z	-2.768	3
63	MP1C	Mx	.001	3
64	MP2A	X	0	3
65	MP2A	Z	-3.914	3
66	MP2A	Mx	0	3
67	MP2B	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2B	Z	-2.568	3
69	MP2B	Mx	-.001	3
70	MP2C	X	0	3
71	MP2C	Z	-2.329	3
72	MP2C	Mx	.001	3
73	OVP	X	0	1
74	OVP	Z	-7.932	1
75	OVP	Mx	0	1
76	MP1A	X	0	1
77	MP1A	Z	-6.435	1
78	MP1A	Mx	0	1
79	MP1A	X	0	3
80	MP1A	Z	-6.435	3
81	MP1A	Mx	0	3
82	MP1B	X	0	1
83	MP1B	Z	-5.838	1
84	MP1B	Mx	.004	1
85	MP1B	X	0	3
86	MP1B	Z	-5.838	3
87	MP1B	Mx	.004	3
88	MP1C	X	0	1
89	MP1C	Z	-5.732	1
90	MP1C	Mx	-.004	1
91	MP1C	X	0	3
92	MP1C	Z	-5.732	3
93	MP1C	Mx	-.004	3
94	MP4A	X	0	1
95	MP4A	Z	-6.435	1
96	MP4A	Mx	0	1
97	MP4A	X	0	3
98	MP4A	Z	-6.435	3
99	MP4A	Mx	0	3
100	MP4B	X	0	1
101	MP4B	Z	-5.838	1
102	MP4B	Mx	.004	1
103	MP4B	X	0	3
104	MP4B	Z	-5.838	3
105	MP4B	Mx	.004	3
106	MP4C	X	0	1
107	MP4C	Z	-5.732	1
108	MP4C	Mx	-.004	1
109	MP4C	X	0	3
110	MP4C	Z	-5.732	3
111	MP4C	Mx	-.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.08	.92
2	MP2A	Z	-7.066	.92
3	MP2A	Mx	-.008	.92
4	MP2A	X	4.08	4.92
5	MP2A	Z	-7.066	4.92
6	MP2A	Mx	-.008	4.92
7	MP2B	X	3.966	.92
8	MP2B	Z	-6.87	.92
9	MP2B	Mx	.000227	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2B	X	3.966	4.92
11	MP2B	Z	-6.87	4.92
12	MP2B	Mx	.000227	4.92
13	MP2C	X	3.966	.92
14	MP2C	Z	-6.87	.92
15	MP2C	Mx	.000227	.92
16	MP2C	X	3.966	4.92
17	MP2C	Z	-6.87	4.92
18	MP2C	Mx	.000227	4.92
19	MP2A	X	4.08	.92
20	MP2A	Z	-7.066	.92
21	MP2A	Mx	.002	.92
22	MP2A	X	4.08	4.92
23	MP2A	Z	-7.066	4.92
24	MP2A	Mx	.002	4.92
25	MP2B	X	3.558	.92
26	MP2B	Z	-6.162	.92
27	MP2B	Mx	.005	.92
28	MP2B	X	3.558	4.92
29	MP2B	Z	-6.162	4.92
30	MP2B	Mx	.005	4.92
31	MP2C	X	3.966	.92
32	MP2C	Z	-6.87	.92
33	MP2C	Mx	-.008	.92
34	MP2C	X	3.966	4.92
35	MP2C	Z	-6.87	4.92
36	MP2C	Mx	-.008	4.92
37	MP3A	X	2.085	1
38	MP3A	Z	-3.611	1
39	MP3A	Mx	-.002	1
40	MP3A	X	2.085	3
41	MP3A	Z	-3.611	3
42	MP3A	Mx	-.002	3
43	MP3B	X	.963	1
44	MP3B	Z	-1.667	1
45	MP3B	Mx	.001	1
46	MP3B	X	.963	3
47	MP3B	Z	-1.667	3
48	MP3B	Mx	.001	3
49	MP3C	X	1.841	1
50	MP3C	Z	-3.188	1
51	MP3C	Mx	-.002	1
52	MP3C	X	1.841	3
53	MP3C	Z	-3.188	3
54	MP3C	Mx	-.002	3
55	MP1A	X	1.795	3
56	MP1A	Z	-3.108	3
57	MP1A	Mx	.000898	3
58	MP1B	X	1.308	3
59	MP1B	Z	-2.266	3
60	MP1B	Mx	-.001	3
61	MP1C	X	1.689	3
62	MP1C	Z	-2.925	3
63	MP1C	Mx	.001	3
64	MP2A	X	1.732	3
65	MP2A	Z	-3.001	3
66	MP2A	Mx	.000866	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP2B	X	1.059	3
68	MP2B	Z	-1.835	3
69	MP2B	Mx	-.001	3
70	MP2C	X	1.586	3
71	MP2C	Z	-2.747	3
72	MP2C	Mx	.001	3
73	OVP	X	3.631	1
74	OVP	Z	-6.289	1
75	OVP	Mx	0	1
76	MP1A	X	3.118	1
77	MP1A	Z	-5.401	1
78	MP1A	Mx	-.002	1
79	MP1A	X	3.118	3
80	MP1A	Z	-5.401	3
81	MP1A	Mx	-.002	3
82	MP1B	X	2.819	1
83	MP1B	Z	-4.883	1
84	MP1B	Mx	.004	1
85	MP1B	X	2.819	3
86	MP1B	Z	-4.883	3
87	MP1B	Mx	.004	3
88	MP1C	X	3.053	1
89	MP1C	Z	-5.288	1
90	MP1C	Mx	-.003	1
91	MP1C	X	3.053	3
92	MP1C	Z	-5.288	3
93	MP1C	Mx	-.003	3
94	MP4A	X	3.118	1
95	MP4A	Z	-5.401	1
96	MP4A	Mx	-.002	1
97	MP4A	X	3.118	3
98	MP4A	Z	-5.401	3
99	MP4A	Mx	-.002	3
100	MP4B	X	2.819	1
101	MP4B	Z	-4.883	1
102	MP4B	Mx	.004	1
103	MP4B	X	2.819	3
104	MP4B	Z	-4.883	3
105	MP4B	Mx	.004	3
106	MP4C	X	3.053	1
107	MP4C	Z	-5.288	1
108	MP4C	Mx	-.003	1
109	MP4C	X	3.053	3
110	MP4C	Z	-5.288	3
111	MP4C	Mx	-.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.464	.92
2	MP2A	Z	-3.732	.92
3	MP2A	Mx	-.007	.92
4	MP2A	X	6.464	4.92
5	MP2A	Z	-3.732	4.92
6	MP2A	Mx	-.007	4.92
7	MP2B	X	7.331	.92
8	MP2B	Z	-4.233	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.004	.92
10	MP2B	X	7.331	4.92
11	MP2B	Z	-4.233	4.92
12	MP2B	Mx	.004	4.92
13	MP2C	X	7.331	.92
14	MP2C	Z	-4.233	.92
15	MP2C	Mx	.004	.92
16	MP2C	X	7.331	4.92
17	MP2C	Z	-4.233	4.92
18	MP2C	Mx	.004	4.92
19	MP2A	X	6.464	.92
20	MP2A	Z	-3.732	.92
21	MP2A	Mx	-.002	.92
22	MP2A	X	6.464	4.92
23	MP2A	Z	-3.732	4.92
24	MP2A	Mx	-.002	4.92
25	MP2B	X	6.464	.92
26	MP2B	Z	-3.732	.92
27	MP2B	Mx	.007	.92
28	MP2B	X	6.464	4.92
29	MP2B	Z	-3.732	4.92
30	MP2B	Mx	.007	4.92
31	MP2C	X	7.331	.92
32	MP2C	Z	-4.233	.92
33	MP2C	Mx	-.007	.92
34	MP2C	X	7.331	4.92
35	MP2C	Z	-4.233	4.92
36	MP2C	Mx	-.007	4.92
37	MP3A	X	2.315	1
38	MP3A	Z	-1.337	1
39	MP3A	Mx	-.002	1
40	MP3A	X	2.315	3
41	MP3A	Z	-1.337	3
42	MP3A	Mx	-.002	3
43	MP3B	X	2.315	1
44	MP3B	Z	-1.337	1
45	MP3B	Mx	.002	1
46	MP3B	X	2.315	3
47	MP3B	Z	-1.337	3
48	MP3B	Mx	.002	3
49	MP3C	X	4.181	1
50	MP3C	Z	-2.414	1
51	MP3C	Mx	-.000629	1
52	MP3C	X	4.181	3
53	MP3C	Z	-2.414	3
54	MP3C	Mx	-.000629	3
55	MP1A	X	2.546	3
56	MP1A	Z	-1.47	3
57	MP1A	Mx	.001	3
58	MP1B	X	2.546	3
59	MP1B	Z	-1.47	3
60	MP1B	Mx	-.001	3
61	MP1C	X	3.355	3
62	MP1C	Z	-1.937	3
63	MP1C	Mx	.000336	3
64	MP2A	X	2.224	3
65	MP2A	Z	-1.284	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2A	Mx	.001	3
67	MP2B	X	2.224	3
68	MP2B	Z	-1.284	3
69	MP2B	Mx	-.001	3
70	MP2C	X	3.342	3
71	MP2C	Z	-1.93	3
72	MP2C	Mx	.000335	3
73	OVP	X	5.127	1
74	OVP	Z	-2.96	1
75	OVP	Mx	0	1
76	MP1A	X	5.056	1
77	MP1A	Z	-2.919	1
78	MP1A	Mx	-.004	1
79	MP1A	X	5.056	3
80	MP1A	Z	-2.919	3
81	MP1A	Mx	-.004	3
82	MP1B	X	5.056	1
83	MP1B	Z	-2.919	1
84	MP1B	Mx	.004	1
85	MP1B	X	5.056	3
86	MP1B	Z	-2.919	3
87	MP1B	Mx	.004	3
88	MP1C	X	5.552	1
89	MP1C	Z	-3.206	1
90	MP1C	Mx	-.000835	1
91	MP1C	X	5.552	3
92	MP1C	Z	-3.206	3
93	MP1C	Mx	-.000835	3
94	MP4A	X	5.056	1
95	MP4A	Z	-2.919	1
96	MP4A	Mx	-.004	1
97	MP4A	X	5.056	3
98	MP4A	Z	-2.919	3
99	MP4A	Mx	-.004	3
100	MP4B	X	5.056	1
101	MP4B	Z	-2.919	1
102	MP4B	Mx	.004	1
103	MP4B	X	5.056	3
104	MP4B	Z	-2.919	3
105	MP4B	Mx	.004	3
106	MP4C	X	5.552	1
107	MP4C	Z	-3.206	1
108	MP4C	Mx	-.000835	1
109	MP4C	X	5.552	3
110	MP4C	Z	-3.206	3
111	MP4C	Mx	-.000835	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.116	.92
2	MP2A	Z	0	.92
3	MP2A	Mx	-.005	.92
4	MP2A	X	7.116	4.92
5	MP2A	Z	0	4.92
6	MP2A	Mx	-.005	4.92
7	MP2B	X	8.345	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	0	.92
9	MP2B	Mx	.007	.92
10	MP2B	X	8.345	4.92
11	MP2B	Z	0	4.92
12	MP2B	Mx	.007	4.92
13	MP2C	X	8.345	.92
14	MP2C	Z	0	.92
15	MP2C	Mx	.007	.92
16	MP2C	X	8.345	4.92
17	MP2C	Z	0	4.92
18	MP2C	Mx	.007	4.92
19	MP2A	X	7.116	.92
20	MP2A	Z	0	.92
21	MP2A	Mx	-.005	.92
22	MP2A	X	7.116	4.92
23	MP2A	Z	0	4.92
24	MP2A	Mx	-.005	4.92
25	MP2B	X	8.159	.92
26	MP2B	Z	0	.92
27	MP2B	Mx	.008	.92
28	MP2B	X	8.159	4.92
29	MP2B	Z	0	4.92
30	MP2B	Mx	.008	4.92
31	MP2C	X	8.345	.92
32	MP2C	Z	0	.92
33	MP2C	Mx	-.003	.92
34	MP2C	X	8.345	4.92
35	MP2C	Z	0	4.92
36	MP2C	Mx	-.003	4.92
37	MP3A	X	1.925	1
38	MP3A	Z	0	1
39	MP3A	Mx	-.001	1
40	MP3A	X	1.925	3
41	MP3A	Z	0	3
42	MP3A	Mx	-.001	3
43	MP3B	X	4.17	1
44	MP3B	Z	0	1
45	MP3B	Mx	.002	1
46	MP3B	X	4.17	3
47	MP3B	Z	0	3
48	MP3B	Mx	.002	3
49	MP3C	X	4.568	1
50	MP3C	Z	0	1
51	MP3C	Mx	.001	1
52	MP3C	X	4.568	3
53	MP3C	Z	0	3
54	MP3C	Mx	.001	3
55	MP1A	X	2.616	3
56	MP1A	Z	0	3
57	MP1A	Mx	.001	3
58	MP1B	X	3.589	3
59	MP1B	Z	0	3
60	MP1B	Mx	-.000897	3
61	MP1C	X	3.762	3
62	MP1C	Z	0	3
63	MP1C	Mx	-.000643	3
64	MP2A	X	2.119	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	0	3
66	MP2A	Mx	.001	3
67	MP2B	X	3.465	3
68	MP2B	Z	0	3
69	MP2B	Mx	-.000866	3
70	MP2C	X	3.704	3
71	MP2C	Z	0	3
72	MP2C	Mx	-.000633	3
73	OVP	X	5.25	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP1A	X	5.639	1
77	MP1A	Z	0	1
78	MP1A	Mx	-.004	1
79	MP1A	X	5.639	3
80	MP1A	Z	0	3
81	MP1A	Mx	-.004	3
82	MP1B	X	6.236	1
83	MP1B	Z	0	1
84	MP1B	Mx	.002	1
85	MP1B	X	6.236	3
86	MP1B	Z	0	3
87	MP1B	Mx	.002	3
88	MP1C	X	6.342	1
89	MP1C	Z	0	1
90	MP1C	Mx	.002	1
91	MP1C	X	6.342	3
92	MP1C	Z	0	3
93	MP1C	Mx	.002	3
94	MP4A	X	5.639	1
95	MP4A	Z	0	1
96	MP4A	Mx	-.004	1
97	MP4A	X	5.639	3
98	MP4A	Z	0	3
99	MP4A	Mx	-.004	3
100	MP4B	X	6.236	1
101	MP4B	Z	0	1
102	MP4B	Mx	.002	1
103	MP4B	X	6.236	3
104	MP4B	Z	0	3
105	MP4B	Mx	.002	3
106	MP4C	X	6.342	1
107	MP4C	Z	0	1
108	MP4C	Mx	.002	1
109	MP4C	X	6.342	3
110	MP4C	Z	0	3
111	MP4C	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.464	.92
2	MP2A	Z	3.732	.92
3	MP2A	Mx	-.002	.92
4	MP2A	X	6.464	4.92
5	MP2A	Z	3.732	4.92
6	MP2A	Mx	-.002	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	6.66	.92
8	MP2B	Z	3.845	.92
9	MP2B	Mx	.008	.92
10	MP2B	X	6.66	4.92
11	MP2B	Z	3.845	4.92
12	MP2B	Mx	.008	4.92
13	MP2C	X	6.66	.92
14	MP2C	Z	3.845	.92
15	MP2C	Mx	.008	.92
16	MP2C	X	6.66	4.92
17	MP2C	Z	3.845	4.92
18	MP2C	Mx	.008	4.92
19	MP2A	X	6.464	.92
20	MP2A	Z	3.732	.92
21	MP2A	Mx	-.007	.92
22	MP2A	X	6.464	4.92
23	MP2A	Z	3.732	4.92
24	MP2A	Mx	-.007	4.92
25	MP2B	X	7.368	.92
26	MP2B	Z	4.254	.92
27	MP2B	Mx	.006	.92
28	MP2B	X	7.368	4.92
29	MP2B	Z	4.254	4.92
30	MP2B	Mx	.006	4.92
31	MP2C	X	6.66	.92
32	MP2C	Z	3.845	.92
33	MP2C	Mx	.001	.92
34	MP2C	X	6.66	4.92
35	MP2C	Z	3.845	4.92
36	MP2C	Mx	.001	4.92
37	MP3A	X	2.315	1
38	MP3A	Z	1.337	1
39	MP3A	Mx	-.002	1
40	MP3A	X	2.315	3
41	MP3A	Z	1.337	3
42	MP3A	Mx	-.002	3
43	MP3B	X	4.259	1
44	MP3B	Z	2.459	1
45	MP3B	Mx	0	1
46	MP3B	X	4.259	3
47	MP3B	Z	2.459	3
48	MP3B	Mx	0	3
49	MP3C	X	2.738	1
50	MP3C	Z	1.581	1
51	MP3C	Mx	.002	1
52	MP3C	X	2.738	3
53	MP3C	Z	1.581	3
54	MP3C	Mx	.002	3
55	MP1A	X	2.546	3
56	MP1A	Z	1.47	3
57	MP1A	Mx	.001	3
58	MP1B	X	3.389	3
59	MP1B	Z	1.957	3
60	MP1B	Mx	0	3
61	MP1C	X	2.73	3
62	MP1C	Z	1.576	3
63	MP1C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2A	X	2.224	3
65	MP2A	Z	1.284	3
66	MP2A	Mx	.001	3
67	MP2B	X	3.389	3
68	MP2B	Z	1.957	3
69	MP2B	Mx	0	3
70	MP2C	X	2.477	3
71	MP2C	Z	1.43	3
72	MP2C	Mx	-.001	3
73	OVP	X	5.127	1
74	OVP	Z	2.96	1
75	OVP	Mx	0	1
76	MP1A	X	5.056	1
77	MP1A	Z	2.919	1
78	MP1A	Mx	-.004	1
79	MP1A	X	5.056	3
80	MP1A	Z	2.919	3
81	MP1A	Mx	-.004	3
82	MP1B	X	5.573	1
83	MP1B	Z	3.218	1
84	MP1B	Mx	0	1
85	MP1B	X	5.573	3
86	MP1B	Z	3.218	3
87	MP1B	Mx	0	3
88	MP1C	X	5.168	1
89	MP1C	Z	2.984	1
90	MP1C	Mx	.003	1
91	MP1C	X	5.168	3
92	MP1C	Z	2.984	3
93	MP1C	Mx	.003	3
94	MP4A	X	5.056	1
95	MP4A	Z	2.919	1
96	MP4A	Mx	-.004	1
97	MP4A	X	5.056	3
98	MP4A	Z	2.919	3
99	MP4A	Mx	-.004	3
100	MP4B	X	5.573	1
101	MP4B	Z	3.218	1
102	MP4B	Mx	0	1
103	MP4B	X	5.573	3
104	MP4B	Z	3.218	3
105	MP4B	Mx	0	3
106	MP4C	X	5.168	1
107	MP4C	Z	2.984	1
108	MP4C	Mx	.003	1
109	MP4C	X	5.168	3
110	MP4C	Z	2.984	3
111	MP4C	Mx	.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.08	.92
2	MP2A	Z	7.066	.92
3	MP2A	Mx	.002	.92
4	MP2A	X	4.08	4.92
5	MP2A	Z	7.066	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.002	4.92
7	MP2B	X	3.579	.92
8	MP2B	Z	6.199	.92
9	MP2B	Mx	.006	.92
10	MP2B	X	3.579	4.92
11	MP2B	Z	6.199	4.92
12	MP2B	Mx	.006	4.92
13	MP2C	X	3.579	.92
14	MP2C	Z	6.199	.92
15	MP2C	Mx	.006	.92
16	MP2C	X	3.579	4.92
17	MP2C	Z	6.199	4.92
18	MP2C	Mx	.006	4.92
19	MP2A	X	4.08	.92
20	MP2A	Z	7.066	.92
21	MP2A	Mx	-.008	.92
22	MP2A	X	4.08	4.92
23	MP2A	Z	7.066	4.92
24	MP2A	Mx	-.008	4.92
25	MP2B	X	4.08	.92
26	MP2B	Z	7.066	.92
27	MP2B	Mx	.002	.92
28	MP2B	X	4.08	4.92
29	MP2B	Z	7.066	4.92
30	MP2B	Mx	.002	4.92
31	MP2C	X	3.579	.92
32	MP2C	Z	6.199	.92
33	MP2C	Mx	.004	.92
34	MP2C	X	3.579	4.92
35	MP2C	Z	6.199	4.92
36	MP2C	Mx	.004	4.92
37	MP3A	X	2.085	1
38	MP3A	Z	3.611	1
39	MP3A	Mx	-.002	1
40	MP3A	X	2.085	3
41	MP3A	Z	3.611	3
42	MP3A	Mx	-.002	3
43	MP3B	X	2.085	1
44	MP3B	Z	3.611	1
45	MP3B	Mx	-.002	1
46	MP3B	X	2.085	3
47	MP3B	Z	3.611	3
48	MP3B	Mx	-.002	3
49	MP3C	X	1.008	1
50	MP3C	Z	1.746	1
51	MP3C	Mx	.001	1
52	MP3C	X	1.008	3
53	MP3C	Z	1.746	3
54	MP3C	Mx	.001	3
55	MP1A	X	1.795	3
56	MP1A	Z	3.108	3
57	MP1A	Mx	.000898	3
58	MP1B	X	1.795	3
59	MP1B	Z	3.108	3
60	MP1B	Mx	.000897	3
61	MP1C	X	1.328	3
62	MP1C	Z	2.299	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1C	Mx	-.001	3
64	MP2A	X	1.732	3
65	MP2A	Z	3.001	3
66	MP2A	Mx	.000866	3
67	MP2B	X	1.732	3
68	MP2B	Z	3.001	3
69	MP2B	Mx	.000866	3
70	MP2C	X	1.087	3
71	MP2C	Z	1.882	3
72	MP2C	Mx	-.001	3
73	OVP	X	3.631	1
74	OVP	Z	6.289	1
75	OVP	Mx	0	1
76	MP1A	X	3.118	1
77	MP1A	Z	5.401	1
78	MP1A	Mx	-.002	1
79	MP1A	X	3.118	3
80	MP1A	Z	5.401	3
81	MP1A	Mx	-.002	3
82	MP1B	X	3.118	1
83	MP1B	Z	5.401	1
84	MP1B	Mx	-.002	1
85	MP1B	X	3.118	3
86	MP1B	Z	5.401	3
87	MP1B	Mx	-.002	3
88	MP1C	X	2.831	1
89	MP1C	Z	4.904	1
90	MP1C	Mx	.004	1
91	MP1C	X	2.831	3
92	MP1C	Z	4.904	3
93	MP1C	Mx	.004	3
94	MP4A	X	3.118	1
95	MP4A	Z	5.401	1
96	MP4A	Mx	-.002	1
97	MP4A	X	3.118	3
98	MP4A	Z	5.401	3
99	MP4A	Mx	-.002	3
100	MP4B	X	3.118	1
101	MP4B	Z	5.401	1
102	MP4B	Mx	-.002	1
103	MP4B	X	3.118	3
104	MP4B	Z	5.401	3
105	MP4B	Mx	-.002	3
106	MP4C	X	2.831	1
107	MP4C	Z	4.904	1
108	MP4C	Mx	.004	1
109	MP4C	X	2.831	3
110	MP4C	Z	4.904	3
111	MP4C	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.92
2	MP2A	Z	8.507	.92
3	MP2A	Mx	.006	.92
4	MP2A	X	0	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	8.507	4.92
6	MP2A	Mx	.006	4.92
7	MP2B	X	0	.92
8	MP2B	Z	7.278	.92
9	MP2B	Mx	.003	.92
10	MP2B	X	0	4.92
11	MP2B	Z	7.278	4.92
12	MP2B	Mx	.003	4.92
13	MP2C	X	0	.92
14	MP2C	Z	7.278	.92
15	MP2C	Mx	.003	.92
16	MP2C	X	0	4.92
17	MP2C	Z	7.278	4.92
18	MP2C	Mx	.003	4.92
19	MP2A	X	0	.92
20	MP2A	Z	8.507	.92
21	MP2A	Mx	-.006	.92
22	MP2A	X	0	4.92
23	MP2A	Z	8.507	4.92
24	MP2A	Mx	-.006	4.92
25	MP2B	X	0	.92
26	MP2B	Z	7.464	.92
27	MP2B	Mx	-.002	.92
28	MP2B	X	0	4.92
29	MP2B	Z	7.464	4.92
30	MP2B	Mx	-.002	4.92
31	MP2C	X	0	.92
32	MP2C	Z	7.278	.92
33	MP2C	Mx	.007	.92
34	MP2C	X	0	4.92
35	MP2C	Z	7.278	4.92
36	MP2C	Mx	.007	4.92
37	MP3A	X	0	1
38	MP3A	Z	4.918	1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	4.918	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	2.674	1
45	MP3B	Mx	-.002	1
46	MP3B	X	0	3
47	MP3B	Z	2.674	3
48	MP3B	Mx	-.002	3
49	MP3C	X	0	1
50	MP3C	Z	2.276	1
51	MP3C	Mx	.002	1
52	MP3C	X	0	3
53	MP3C	Z	2.276	3
54	MP3C	Mx	.002	3
55	MP1A	X	0	3
56	MP1A	Z	3.914	3
57	MP1A	Mx	0	3
58	MP1B	X	0	3
59	MP1B	Z	2.94	3
60	MP1B	Mx	.001	3
61	MP1C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP1C	Z	2.768	3
63	MP1C	Mx	-.001	3
64	MP2A	X	0	3
65	MP2A	Z	3.914	3
66	MP2A	Mx	0	3
67	MP2B	X	0	3
68	MP2B	Z	2.568	3
69	MP2B	Mx	.001	3
70	MP2C	X	0	3
71	MP2C	Z	2.329	3
72	MP2C	Mx	-.001	3
73	OVP	X	0	1
74	OVP	Z	7.932	1
75	OVP	Mx	0	1
76	MP1A	X	0	1
77	MP1A	Z	6.435	1
78	MP1A	Mx	0	1
79	MP1A	X	0	3
80	MP1A	Z	6.435	3
81	MP1A	Mx	0	3
82	MP1B	X	0	1
83	MP1B	Z	5.838	1
84	MP1B	Mx	-.004	1
85	MP1B	X	0	3
86	MP1B	Z	5.838	3
87	MP1B	Mx	-.004	3
88	MP1C	X	0	1
89	MP1C	Z	5.732	1
90	MP1C	Mx	.004	1
91	MP1C	X	0	3
92	MP1C	Z	5.732	3
93	MP1C	Mx	.004	3
94	MP4A	X	0	1
95	MP4A	Z	6.435	1
96	MP4A	Mx	0	1
97	MP4A	X	0	3
98	MP4A	Z	6.435	3
99	MP4A	Mx	0	3
100	MP4B	X	0	1
101	MP4B	Z	5.838	1
102	MP4B	Mx	-.004	1
103	MP4B	X	0	3
104	MP4B	Z	5.838	3
105	MP4B	Mx	-.004	3
106	MP4C	X	0	1
107	MP4C	Z	5.732	1
108	MP4C	Mx	.004	1
109	MP4C	X	0	3
110	MP4C	Z	5.732	3
111	MP4C	Mx	.004	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.08	.92
2	MP2A	Z	7.066	.92
3	MP2A	Mx	.008	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	X	-4.08	4.92
5	MP2A	Z	7.066	4.92
6	MP2A	Mx	.008	4.92
7	MP2B	X	-3.966	.92
8	MP2B	Z	6.87	.92
9	MP2B	Mx	-.000227	.92
10	MP2B	X	-3.966	4.92
11	MP2B	Z	6.87	4.92
12	MP2B	Mx	-.000227	4.92
13	MP2C	X	-3.966	.92
14	MP2C	Z	6.87	.92
15	MP2C	Mx	-.000227	.92
16	MP2C	X	-3.966	4.92
17	MP2C	Z	6.87	4.92
18	MP2C	Mx	-.000227	4.92
19	MP2A	X	-4.08	.92
20	MP2A	Z	7.066	.92
21	MP2A	Mx	-.002	.92
22	MP2A	X	-4.08	4.92
23	MP2A	Z	7.066	4.92
24	MP2A	Mx	-.002	4.92
25	MP2B	X	-3.558	.92
26	MP2B	Z	6.162	.92
27	MP2B	Mx	-.005	.92
28	MP2B	X	-3.558	4.92
29	MP2B	Z	6.162	4.92
30	MP2B	Mx	-.005	4.92
31	MP2C	X	-3.966	.92
32	MP2C	Z	6.87	.92
33	MP2C	Mx	.008	.92
34	MP2C	X	-3.966	4.92
35	MP2C	Z	6.87	4.92
36	MP2C	Mx	.008	4.92
37	MP3A	X	-2.085	1
38	MP3A	Z	3.611	1
39	MP3A	Mx	.002	1
40	MP3A	X	-2.085	3
41	MP3A	Z	3.611	3
42	MP3A	Mx	.002	3
43	MP3B	X	-.963	1
44	MP3B	Z	1.667	1
45	MP3B	Mx	-.001	1
46	MP3B	X	-.963	3
47	MP3B	Z	1.667	3
48	MP3B	Mx	-.001	3
49	MP3C	X	-1.841	1
50	MP3C	Z	3.188	1
51	MP3C	Mx	.002	1
52	MP3C	X	-1.841	3
53	MP3C	Z	3.188	3
54	MP3C	Mx	.002	3
55	MP1A	X	-1.795	3
56	MP1A	Z	3.108	3
57	MP1A	Mx	-.000898	3
58	MP1B	X	-1.308	3
59	MP1B	Z	2.266	3
60	MP1B	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP1C	X	-1.689	3
62	MP1C	Z	2.925	3
63	MP1C	Mx	-.001	3
64	MP2A	X	-1.732	3
65	MP2A	Z	3.001	3
66	MP2A	Mx	-.000866	3
67	MP2B	X	-1.059	3
68	MP2B	Z	1.835	3
69	MP2B	Mx	.001	3
70	MP2C	X	-1.586	3
71	MP2C	Z	2.747	3
72	MP2C	Mx	-.001	3
73	OVP	X	-3.631	1
74	OVP	Z	6.289	1
75	OVP	Mx	0	1
76	MP1A	X	-3.118	1
77	MP1A	Z	5.401	1
78	MP1A	Mx	.002	1
79	MP1A	X	-3.118	3
80	MP1A	Z	5.401	3
81	MP1A	Mx	.002	3
82	MP1B	X	-2.819	1
83	MP1B	Z	4.883	1
84	MP1B	Mx	-.004	1
85	MP1B	X	-2.819	3
86	MP1B	Z	4.883	3
87	MP1B	Mx	-.004	3
88	MP1C	X	-3.053	1
89	MP1C	Z	5.288	1
90	MP1C	Mx	.003	1
91	MP1C	X	-3.053	3
92	MP1C	Z	5.288	3
93	MP1C	Mx	.003	3
94	MP4A	X	-3.118	1
95	MP4A	Z	5.401	1
96	MP4A	Mx	.002	1
97	MP4A	X	-3.118	3
98	MP4A	Z	5.401	3
99	MP4A	Mx	.002	3
100	MP4B	X	-2.819	1
101	MP4B	Z	4.883	1
102	MP4B	Mx	-.004	1
103	MP4B	X	-2.819	3
104	MP4B	Z	4.883	3
105	MP4B	Mx	-.004	3
106	MP4C	X	-3.053	1
107	MP4C	Z	5.288	1
108	MP4C	Mx	.003	1
109	MP4C	X	-3.053	3
110	MP4C	Z	5.288	3
111	MP4C	Mx	.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.464	.92
2	MP2A	Z	3.732	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	.007	.92
4	MP2A	X	-6.464	4.92
5	MP2A	Z	3.732	4.92
6	MP2A	Mx	.007	4.92
7	MP2B	X	-7.331	.92
8	MP2B	Z	4.233	.92
9	MP2B	Mx	-.004	.92
10	MP2B	X	-7.331	4.92
11	MP2B	Z	4.233	4.92
12	MP2B	Mx	-.004	4.92
13	MP2C	X	-7.331	.92
14	MP2C	Z	4.233	.92
15	MP2C	Mx	-.004	.92
16	MP2C	X	-7.331	4.92
17	MP2C	Z	4.233	4.92
18	MP2C	Mx	-.004	4.92
19	MP2A	X	-6.464	.92
20	MP2A	Z	3.732	.92
21	MP2A	Mx	.002	.92
22	MP2A	X	-6.464	4.92
23	MP2A	Z	3.732	4.92
24	MP2A	Mx	.002	4.92
25	MP2B	X	-6.464	.92
26	MP2B	Z	3.732	.92
27	MP2B	Mx	-.007	.92
28	MP2B	X	-6.464	4.92
29	MP2B	Z	3.732	4.92
30	MP2B	Mx	-.007	4.92
31	MP2C	X	-7.331	.92
32	MP2C	Z	4.233	.92
33	MP2C	Mx	.007	.92
34	MP2C	X	-7.331	4.92
35	MP2C	Z	4.233	4.92
36	MP2C	Mx	.007	4.92
37	MP3A	X	-2.315	1
38	MP3A	Z	1.337	1
39	MP3A	Mx	.002	1
40	MP3A	X	-2.315	3
41	MP3A	Z	1.337	3
42	MP3A	Mx	.002	3
43	MP3B	X	-2.315	1
44	MP3B	Z	1.337	1
45	MP3B	Mx	-.002	1
46	MP3B	X	-2.315	3
47	MP3B	Z	1.337	3
48	MP3B	Mx	-.002	3
49	MP3C	X	-4.181	1
50	MP3C	Z	2.414	1
51	MP3C	Mx	.000629	1
52	MP3C	X	-4.181	3
53	MP3C	Z	2.414	3
54	MP3C	Mx	.000629	3
55	MP1A	X	-2.546	3
56	MP1A	Z	1.47	3
57	MP1A	Mx	-.001	3
58	MP1B	X	-2.546	3
59	MP1B	Z	1.47	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1B	Mx	.001	3
61	MP1C	X	-3.355	3
62	MP1C	Z	1.937	3
63	MP1C	Mx	-.000336	3
64	MP2A	X	-2.224	3
65	MP2A	Z	1.284	3
66	MP2A	Mx	-.001	3
67	MP2B	X	-2.224	3
68	MP2B	Z	1.284	3
69	MP2B	Mx	.001	3
70	MP2C	X	-3.342	3
71	MP2C	Z	1.93	3
72	MP2C	Mx	-.000335	3
73	OVP	X	-5.127	1
74	OVP	Z	2.96	1
75	OVP	Mx	0	1
76	MP1A	X	-5.056	1
77	MP1A	Z	2.919	1
78	MP1A	Mx	.004	1
79	MP1A	X	-5.056	3
80	MP1A	Z	2.919	3
81	MP1A	Mx	.004	3
82	MP1B	X	-5.056	1
83	MP1B	Z	2.919	1
84	MP1B	Mx	-.004	1
85	MP1B	X	-5.056	3
86	MP1B	Z	2.919	3
87	MP1B	Mx	-.004	3
88	MP1C	X	-5.552	1
89	MP1C	Z	3.206	1
90	MP1C	Mx	.000835	1
91	MP1C	X	-5.552	3
92	MP1C	Z	3.206	3
93	MP1C	Mx	.000835	3
94	MP4A	X	-5.056	1
95	MP4A	Z	2.919	1
96	MP4A	Mx	.004	1
97	MP4A	X	-5.056	3
98	MP4A	Z	2.919	3
99	MP4A	Mx	.004	3
100	MP4B	X	-5.056	1
101	MP4B	Z	2.919	1
102	MP4B	Mx	-.004	1
103	MP4B	X	-5.056	3
104	MP4B	Z	2.919	3
105	MP4B	Mx	-.004	3
106	MP4C	X	-5.552	1
107	MP4C	Z	3.206	1
108	MP4C	Mx	.000835	1
109	MP4C	X	-5.552	3
110	MP4C	Z	3.206	3
111	MP4C	Mx	.000835	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.116	.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	0	.92
3	MP2A	Mx	.005	.92
4	MP2A	X	-7.116	4.92
5	MP2A	Z	0	4.92
6	MP2A	Mx	.005	4.92
7	MP2B	X	-8.345	.92
8	MP2B	Z	0	.92
9	MP2B	Mx	-.007	.92
10	MP2B	X	-8.345	4.92
11	MP2B	Z	0	4.92
12	MP2B	Mx	-.007	4.92
13	MP2C	X	-8.345	.92
14	MP2C	Z	0	.92
15	MP2C	Mx	-.007	.92
16	MP2C	X	-8.345	4.92
17	MP2C	Z	0	4.92
18	MP2C	Mx	-.007	4.92
19	MP2A	X	-7.116	.92
20	MP2A	Z	0	.92
21	MP2A	Mx	.005	.92
22	MP2A	X	-7.116	4.92
23	MP2A	Z	0	4.92
24	MP2A	Mx	.005	4.92
25	MP2B	X	-8.159	.92
26	MP2B	Z	0	.92
27	MP2B	Mx	-.008	.92
28	MP2B	X	-8.159	4.92
29	MP2B	Z	0	4.92
30	MP2B	Mx	-.008	4.92
31	MP2C	X	-8.345	.92
32	MP2C	Z	0	.92
33	MP2C	Mx	.003	.92
34	MP2C	X	-8.345	4.92
35	MP2C	Z	0	4.92
36	MP2C	Mx	.003	4.92
37	MP3A	X	-1.925	1
38	MP3A	Z	0	1
39	MP3A	Mx	.001	1
40	MP3A	X	-1.925	3
41	MP3A	Z	0	3
42	MP3A	Mx	.001	3
43	MP3B	X	-4.17	1
44	MP3B	Z	0	1
45	MP3B	Mx	-.002	1
46	MP3B	X	-4.17	3
47	MP3B	Z	0	3
48	MP3B	Mx	-.002	3
49	MP3C	X	-4.568	1
50	MP3C	Z	0	1
51	MP3C	Mx	-.001	1
52	MP3C	X	-4.568	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.001	3
55	MP1A	X	-2.616	3
56	MP1A	Z	0	3
57	MP1A	Mx	-.001	3
58	MP1B	X	-3.589	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP1B	Z	0	3
60	MP1B	Mx	.000897	3
61	MP1C	X	-3.762	3
62	MP1C	Z	0	3
63	MP1C	Mx	.000643	3
64	MP2A	X	-2.119	3
65	MP2A	Z	0	3
66	MP2A	Mx	-.001	3
67	MP2B	X	-3.465	3
68	MP2B	Z	0	3
69	MP2B	Mx	.000866	3
70	MP2C	X	-3.704	3
71	MP2C	Z	0	3
72	MP2C	Mx	.000633	3
73	OVP	X	-5.25	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP1A	X	-5.639	1
77	MP1A	Z	0	1
78	MP1A	Mx	.004	1
79	MP1A	X	-5.639	3
80	MP1A	Z	0	3
81	MP1A	Mx	.004	3
82	MP1B	X	-6.236	1
83	MP1B	Z	0	1
84	MP1B	Mx	-.002	1
85	MP1B	X	-6.236	3
86	MP1B	Z	0	3
87	MP1B	Mx	-.002	3
88	MP1C	X	-6.342	1
89	MP1C	Z	0	1
90	MP1C	Mx	-.002	1
91	MP1C	X	-6.342	3
92	MP1C	Z	0	3
93	MP1C	Mx	-.002	3
94	MP4A	X	-5.639	1
95	MP4A	Z	0	1
96	MP4A	Mx	.004	1
97	MP4A	X	-5.639	3
98	MP4A	Z	0	3
99	MP4A	Mx	.004	3
100	MP4B	X	-6.236	1
101	MP4B	Z	0	1
102	MP4B	Mx	-.002	1
103	MP4B	X	-6.236	3
104	MP4B	Z	0	3
105	MP4B	Mx	-.002	3
106	MP4C	X	-6.342	1
107	MP4C	Z	0	1
108	MP4C	Mx	-.002	1
109	MP4C	X	-6.342	3
110	MP4C	Z	0	3
111	MP4C	Mx	-.002	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.464	.92
2	MP2A	Z	-3.732	.92
3	MP2A	Mx	.002	.92
4	MP2A	X	-6.464	4.92
5	MP2A	Z	-3.732	4.92
6	MP2A	Mx	.002	4.92
7	MP2B	X	-6.66	.92
8	MP2B	Z	-3.845	.92
9	MP2B	Mx	-.008	.92
10	MP2B	X	-6.66	4.92
11	MP2B	Z	-3.845	4.92
12	MP2B	Mx	-.008	4.92
13	MP2C	X	-6.66	.92
14	MP2C	Z	-3.845	.92
15	MP2C	Mx	-.008	.92
16	MP2C	X	-6.66	4.92
17	MP2C	Z	-3.845	4.92
18	MP2C	Mx	-.008	4.92
19	MP2A	X	-6.464	.92
20	MP2A	Z	-3.732	.92
21	MP2A	Mx	.007	.92
22	MP2A	X	-6.464	4.92
23	MP2A	Z	-3.732	4.92
24	MP2A	Mx	.007	4.92
25	MP2B	X	-7.368	.92
26	MP2B	Z	-4.254	.92
27	MP2B	Mx	-.006	.92
28	MP2B	X	-7.368	4.92
29	MP2B	Z	-4.254	4.92
30	MP2B	Mx	-.006	4.92
31	MP2C	X	-6.66	.92
32	MP2C	Z	-3.845	.92
33	MP2C	Mx	-.001	.92
34	MP2C	X	-6.66	4.92
35	MP2C	Z	-3.845	4.92
36	MP2C	Mx	-.001	4.92
37	MP3A	X	-2.315	1
38	MP3A	Z	-1.337	1
39	MP3A	Mx	.002	1
40	MP3A	X	-2.315	3
41	MP3A	Z	-1.337	3
42	MP3A	Mx	.002	3
43	MP3B	X	-4.259	1
44	MP3B	Z	-2.459	1
45	MP3B	Mx	0	1
46	MP3B	X	-4.259	3
47	MP3B	Z	-2.459	3
48	MP3B	Mx	0	3
49	MP3C	X	-2.738	1
50	MP3C	Z	-1.581	1
51	MP3C	Mx	-.002	1
52	MP3C	X	-2.738	3
53	MP3C	Z	-1.581	3
54	MP3C	Mx	-.002	3
55	MP1A	X	-2.546	3
56	MP1A	Z	-1.47	3
57	MP1A	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	-3.389	3
59	MP1B	Z	-1.957	3
60	MP1B	Mx	0	3
61	MP1C	X	-2.73	3
62	MP1C	Z	-1.576	3
63	MP1C	Mx	.001	3
64	MP2A	X	-2.224	3
65	MP2A	Z	-1.284	3
66	MP2A	Mx	-.001	3
67	MP2B	X	-3.389	3
68	MP2B	Z	-1.957	3
69	MP2B	Mx	0	3
70	MP2C	X	-2.477	3
71	MP2C	Z	-1.43	3
72	MP2C	Mx	.001	3
73	OVP	X	-5.127	1
74	OVP	Z	-2.96	1
75	OVP	Mx	0	1
76	MP1A	X	-5.056	1
77	MP1A	Z	-2.919	1
78	MP1A	Mx	.004	1
79	MP1A	X	-5.056	3
80	MP1A	Z	-2.919	3
81	MP1A	Mx	.004	3
82	MP1B	X	-5.573	1
83	MP1B	Z	-3.218	1
84	MP1B	Mx	0	1
85	MP1B	X	-5.573	3
86	MP1B	Z	-3.218	3
87	MP1B	Mx	0	3
88	MP1C	X	-5.168	1
89	MP1C	Z	-2.984	1
90	MP1C	Mx	-.003	1
91	MP1C	X	-5.168	3
92	MP1C	Z	-2.984	3
93	MP1C	Mx	-.003	3
94	MP4A	X	-5.056	1
95	MP4A	Z	-2.919	1
96	MP4A	Mx	.004	1
97	MP4A	X	-5.056	3
98	MP4A	Z	-2.919	3
99	MP4A	Mx	.004	3
100	MP4B	X	-5.573	1
101	MP4B	Z	-3.218	1
102	MP4B	Mx	0	1
103	MP4B	X	-5.573	3
104	MP4B	Z	-3.218	3
105	MP4B	Mx	0	3
106	MP4C	X	-5.168	1
107	MP4C	Z	-2.984	1
108	MP4C	Mx	-.003	1
109	MP4C	X	-5.168	3
110	MP4C	Z	-2.984	3
111	MP4C	Mx	-.003	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.08	.92
2	MP2A	Z	-7.066	.92
3	MP2A	Mx	-.002	.92
4	MP2A	X	-4.08	4.92
5	MP2A	Z	-7.066	4.92
6	MP2A	Mx	-.002	4.92
7	MP2B	X	-3.579	.92
8	MP2B	Z	-6.199	.92
9	MP2B	Mx	-.006	.92
10	MP2B	X	-3.579	4.92
11	MP2B	Z	-6.199	4.92
12	MP2B	Mx	-.006	4.92
13	MP2C	X	-3.579	.92
14	MP2C	Z	-6.199	.92
15	MP2C	Mx	-.006	.92
16	MP2C	X	-3.579	4.92
17	MP2C	Z	-6.199	4.92
18	MP2C	Mx	-.006	4.92
19	MP2A	X	-4.08	.92
20	MP2A	Z	-7.066	.92
21	MP2A	Mx	.008	.92
22	MP2A	X	-4.08	4.92
23	MP2A	Z	-7.066	4.92
24	MP2A	Mx	.008	4.92
25	MP2B	X	-4.08	.92
26	MP2B	Z	-7.066	.92
27	MP2B	Mx	-.002	.92
28	MP2B	X	-4.08	4.92
29	MP2B	Z	-7.066	4.92
30	MP2B	Mx	-.002	4.92
31	MP2C	X	-3.579	.92
32	MP2C	Z	-6.199	.92
33	MP2C	Mx	-.004	.92
34	MP2C	X	-3.579	4.92
35	MP2C	Z	-6.199	4.92
36	MP2C	Mx	-.004	4.92
37	MP3A	X	-2.085	1
38	MP3A	Z	-3.611	1
39	MP3A	Mx	.002	1
40	MP3A	X	-2.085	3
41	MP3A	Z	-3.611	3
42	MP3A	Mx	.002	3
43	MP3B	X	-2.085	1
44	MP3B	Z	-3.611	1
45	MP3B	Mx	.002	1
46	MP3B	X	-2.085	3
47	MP3B	Z	-3.611	3
48	MP3B	Mx	.002	3
49	MP3C	X	-1.008	1
50	MP3C	Z	-1.746	1
51	MP3C	Mx	-.001	1
52	MP3C	X	-1.008	3
53	MP3C	Z	-1.746	3
54	MP3C	Mx	-.001	3
55	MP1A	X	-1.795	3
56	MP1A	Z	-3.108	3
57	MP1A	Mx	-.000898	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	-1.795	3
59	MP1B	Z	-3.108	3
60	MP1B	Mx	-.000897	3
61	MP1C	X	-1.328	3
62	MP1C	Z	-2.299	3
63	MP1C	Mx	.001	3
64	MP2A	X	-1.732	3
65	MP2A	Z	-3.001	3
66	MP2A	Mx	-.000866	3
67	MP2B	X	-1.732	3
68	MP2B	Z	-3.001	3
69	MP2B	Mx	-.000866	3
70	MP2C	X	-1.087	3
71	MP2C	Z	-1.882	3
72	MP2C	Mx	.001	3
73	OVP	X	-3.631	1
74	OVP	Z	-6.289	1
75	OVP	Mx	0	1
76	MP1A	X	-3.118	1
77	MP1A	Z	-5.401	1
78	MP1A	Mx	.002	1
79	MP1A	X	-3.118	3
80	MP1A	Z	-5.401	3
81	MP1A	Mx	.002	3
82	MP1B	X	-3.118	1
83	MP1B	Z	-5.401	1
84	MP1B	Mx	.002	1
85	MP1B	X	-3.118	3
86	MP1B	Z	-5.401	3
87	MP1B	Mx	.002	3
88	MP1C	X	-2.831	1
89	MP1C	Z	-4.904	1
90	MP1C	Mx	-.004	1
91	MP1C	X	-2.831	3
92	MP1C	Z	-4.904	3
93	MP1C	Mx	-.004	3
94	MP4A	X	-3.118	1
95	MP4A	Z	-5.401	1
96	MP4A	Mx	.002	1
97	MP4A	X	-3.118	3
98	MP4A	Z	-5.401	3
99	MP4A	Mx	.002	3
100	MP4B	X	-3.118	1
101	MP4B	Z	-5.401	1
102	MP4B	Mx	.002	1
103	MP4B	X	-3.118	3
104	MP4B	Z	-5.401	3
105	MP4B	Mx	.002	3
106	MP4C	X	-2.831	1
107	MP4C	Z	-4.904	1
108	MP4C	Mx	-.004	1
109	MP4C	X	-2.831	3
110	MP4C	Z	-4.904	3
111	MP4C	Mx	-.004	3

Member Point Loads (BLC 77 : Lm1)

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

Member Point Loads (BLC 77 : Lm1) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M9	Y	-500	%100

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M10	Y	-500	%100

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M68B	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M68B	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	Y	-9.639	-9.639	0	%100
2	M68B	Y	-9.639	-9.639	0	%100
3	M25A	Y	-9.639	-9.639	0	%100
4	M26A	Y	-9.639	-9.639	0	%100
5	M25	Y	-9.639	-9.639	0	%100
6	M26	Y	-9.639	-9.639	0	%100
7	MP4A	Y	-4.997	-4.997	0	%100
8	MP3A	Y	-4.997	-4.997	0	%100
9	MP2A	Y	-5.704	-5.704	0	%100
10	MP1A	Y	-4.997	-4.997	0	%100
11	MP3C	Y	-5.704	-5.704	0	%100
12	MP2C	Y	-5.704	-5.704	0	%100
13	MP1C	Y	-4.997	-4.997	0	%100
14	MP3B	Y	-4.997	-4.997	0	%100
15	MP2B	Y	-5.704	-5.704	0	%100
16	MP1B	Y	-4.997	-4.997	0	%100
17	OVP	Y	-4.997	-4.997	0	%100
18	M33	Y	-10.655	-10.655	0	%100
19	M34	Y	-10.655	-10.655	0	%100
20	M35	Y	-10.655	-10.655	0	%100
21	M36	Y	-5.704	-5.704	0	%100
22	MP4C	Y	-4.997	-4.997	0	%100
23	M39A	Y	-5.704	-5.704	0	%100
24	MP4B	Y	-4.997	-4.997	0	%100
25	M43	Y	-5.704	-5.704	0	%100
26	M57	Y	-7.639	-7.639	0	%100
27	M58	Y	-7.639	-7.639	0	%100
28	M59	Y	-7.639	-7.639	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M68B	X	0	0	0	%100
4	M68B	Z	-12.814	-12.814	0	%100
5	M25A	X	0	0	0	%100
6	M25A	Z	-3.203	-3.203	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
7	M26A	X	0	0	0	%100
8	M26A	Z	-3.203	-3.203	0	%100
9	M25	X	0	0	0	%100
10	M25	Z	-9.609	-9.609	0	%100
11	M26	X	0	0	0	%100
12	M26	Z	-9.609	-9.609	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	-7.304	-7.304	0	%100
15	MP3A	X	0	0	0	%100
16	MP3A	Z	-7.304	-7.304	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	-8.841	-8.841	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-7.304	-7.304	0	%100
21	MP3C	X	0	0	0	%100
22	MP3C	Z	-8.841	-8.841	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	-8.841	-8.841	0	%100
25	MP1C	X	0	0	0	%100
26	MP1C	Z	-7.304	-7.304	0	%100
27	MP3B	X	0	0	0	%100
28	MP3B	Z	-7.304	-7.304	0	%100
29	MP2B	X	0	0	0	%100
30	MP2B	Z	-8.841	-8.841	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	-7.304	-7.304	0	%100
33	OVP	X	0	0	0	%100
34	OVP	Z	-7.304	-7.304	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-7.993	-7.993	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	-12.758	-12.758	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	-12.758	-12.758	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	-8.841	-8.841	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	-7.304	-7.304	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	-2.21	-2.21	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	-7.304	-7.304	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	-2.21	-2.21	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	-2.549	-2.549	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	-10.197	-10.197	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	-2.549	-2.549	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	1.602	1.602	0	%100
2	M4	Z	-2.774	-2.774	0	%100
3	M68B	X	4.805	4.805	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
4	M68B	Z	-8.323	-8.323	0	%100
5	M25A	X	4.805	4.805	0	%100
6	M25A	Z	-8.323	-8.323	0	%100
7	M26A	X	0	0	0	%100
8	M26A	Z	0	0	0	%100
9	M25	X	1.602	1.602	0	%100
10	M25	Z	-2.774	-2.774	0	%100
11	M26	X	6.406	6.406	0	%100
12	M26	Z	-11.096	-11.096	0	%100
13	MP4A	X	3.652	3.652	0	%100
14	MP4A	Z	-6.325	-6.325	0	%100
15	MP3A	X	3.652	3.652	0	%100
16	MP3A	Z	-6.325	-6.325	0	%100
17	MP2A	X	4.421	4.421	0	%100
18	MP2A	Z	-7.657	-7.657	0	%100
19	MP1A	X	3.652	3.652	0	%100
20	MP1A	Z	-6.325	-6.325	0	%100
21	MP3C	X	4.421	4.421	0	%100
22	MP3C	Z	-7.657	-7.657	0	%100
23	MP2C	X	4.421	4.421	0	%100
24	MP2C	Z	-7.657	-7.657	0	%100
25	MP1C	X	3.652	3.652	0	%100
26	MP1C	Z	-6.325	-6.325	0	%100
27	MP3B	X	3.652	3.652	0	%100
28	MP3B	Z	-6.325	-6.325	0	%100
29	MP2B	X	4.421	4.421	0	%100
30	MP2B	Z	-7.657	-7.657	0	%100
31	MP1B	X	3.652	3.652	0	%100
32	MP1B	Z	-6.325	-6.325	0	%100
33	OVP	X	3.652	3.652	0	%100
34	OVP	Z	-6.325	-6.325	0	%100
35	M33	X	4.791	4.791	0	%100
36	M33	Z	-8.298	-8.298	0	%100
37	M34	X	4.791	4.791	0	%100
38	M34	Z	-8.298	-8.298	0	%100
39	M35	X	7.174	7.174	0	%100
40	M35	Z	-12.425	-12.425	0	%100
41	M36	X	3.316	3.316	0	%100
42	M36	Z	-5.743	-5.743	0	%100
43	MP4C	X	3.652	3.652	0	%100
44	MP4C	Z	-6.325	-6.325	0	%100
45	M39A	X	3.316	3.316	0	%100
46	M39A	Z	-5.743	-5.743	0	%100
47	MP4B	X	3.652	3.652	0	%100
48	MP4B	Z	-6.325	-6.325	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	0	0	0	%100
51	M57	X	3.824	3.824	0	%100
52	M57	Z	-6.623	-6.623	0	%100
53	M58	X	3.824	3.824	0	%100
54	M58	Z	-6.623	-6.623	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	8.322	8.322	0	%100
2	M4	Z	-4.805	-4.805	0	%100
3	M68B	X	2.774	2.774	0	%100
4	M68B	Z	-1.602	-1.602	0	%100
5	M25A	X	11.097	11.097	0	%100
6	M25A	Z	-6.407	-6.407	0	%100
7	M26A	X	2.774	2.774	0	%100
8	M26A	Z	-1.602	-1.602	0	%100
9	M25	X	0	0	0	%100
10	M25	Z	0	0	0	%100
11	M26	X	8.322	8.322	0	%100
12	M26	Z	-4.805	-4.805	0	%100
13	MP4A	X	6.325	6.325	0	%100
14	MP4A	Z	-3.652	-3.652	0	%100
15	MP3A	X	6.325	6.325	0	%100
16	MP3A	Z	-3.652	-3.652	0	%100
17	MP2A	X	7.657	7.657	0	%100
18	MP2A	Z	-4.421	-4.421	0	%100
19	MP1A	X	6.325	6.325	0	%100
20	MP1A	Z	-3.652	-3.652	0	%100
21	MP3C	X	7.657	7.657	0	%100
22	MP3C	Z	-4.421	-4.421	0	%100
23	MP2C	X	7.657	7.657	0	%100
24	MP2C	Z	-4.421	-4.421	0	%100
25	MP1C	X	6.325	6.325	0	%100
26	MP1C	Z	-3.652	-3.652	0	%100
27	MP3B	X	6.325	6.325	0	%100
28	MP3B	Z	-3.652	-3.652	0	%100
29	MP2B	X	7.657	7.657	0	%100
30	MP2B	Z	-4.421	-4.421	0	%100
31	MP1B	X	6.325	6.325	0	%100
32	MP1B	Z	-3.652	-3.652	0	%100
33	OVP	X	6.325	6.325	0	%100
34	OVP	Z	-3.652	-3.652	0	%100
35	M33	X	11.049	11.049	0	%100
36	M33	Z	-6.379	-6.379	0	%100
37	M34	X	6.922	6.922	0	%100
38	M34	Z	-3.996	-3.996	0	%100
39	M35	X	11.049	11.049	0	%100
40	M35	Z	-6.379	-6.379	0	%100
41	M36	X	1.914	1.914	0	%100
42	M36	Z	-1.105	-1.105	0	%100
43	MP4C	X	6.325	6.325	0	%100
44	MP4C	Z	-3.652	-3.652	0	%100
45	M39A	X	7.657	7.657	0	%100
46	M39A	Z	-4.421	-4.421	0	%100
47	MP4B	X	6.325	6.325	0	%100
48	MP4B	Z	-3.652	-3.652	0	%100
49	M43	X	1.914	1.914	0	%100
50	M43	Z	-1.105	-1.105	0	%100
51	M57	X	8.831	8.831	0	%100
52	M57	Z	-5.099	-5.099	0	%100
53	M58	X	2.208	2.208	0	%100
54	M58	Z	-1.275	-1.275	0	%100
55	M59	X	2.208	2.208	0	%100
56	M59	Z	-1.275	-1.275	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	12.812	12.812	0	%100
2	M4	Z	0	0	0	%100
3	M68B	X	0	0	0	%100
4	M68B	Z	0	0	0	%100
5	M25A	X	9.61	9.61	0	%100
6	M25A	Z	0	0	0	%100
7	M26A	X	9.61	9.61	0	%100
8	M26A	Z	0	0	0	%100
9	M25	X	3.203	3.203	0	%100
10	M25	Z	0	0	0	%100
11	M26	X	3.203	3.203	0	%100
12	M26	Z	0	0	0	%100
13	MP4A	X	7.304	7.304	0	%100
14	MP4A	Z	0	0	0	%100
15	MP3A	X	7.304	7.304	0	%100
16	MP3A	Z	0	0	0	%100
17	MP2A	X	8.841	8.841	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1A	X	7.304	7.304	0	%100
20	MP1A	Z	0	0	0	%100
21	MP3C	X	8.841	8.841	0	%100
22	MP3C	Z	0	0	0	%100
23	MP2C	X	8.841	8.841	0	%100
24	MP2C	Z	0	0	0	%100
25	MP1C	X	7.304	7.304	0	%100
26	MP1C	Z	0	0	0	%100
27	MP3B	X	7.304	7.304	0	%100
28	MP3B	Z	0	0	0	%100
29	MP2B	X	8.841	8.841	0	%100
30	MP2B	Z	0	0	0	%100
31	MP1B	X	7.304	7.304	0	%100
32	MP1B	Z	0	0	0	%100
33	OVP	X	7.304	7.304	0	%100
34	OVP	Z	0	0	0	%100
35	M33	X	14.347	14.347	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	9.581	9.581	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	9.581	9.581	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	0	0	0	%100
43	MP4C	X	7.304	7.304	0	%100
44	MP4C	Z	0	0	0	%100
45	M39A	X	6.631	6.631	0	%100
46	M39A	Z	0	0	0	%100
47	MP4B	X	7.304	7.304	0	%100
48	MP4B	Z	0	0	0	%100
49	M43	X	6.631	6.631	0	%100
50	M43	Z	0	0	0	%100
51	M57	X	7.648	7.648	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	7.648	7.648	0	%100
56	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	8.322	8.322	0	%100
2	M4	Z	4.805	4.805	0	%100
3	M68B	X	2.774	2.774	0	%100
4	M68B	Z	1.602	1.602	0	%100
5	M25A	X	2.774	2.774	0	%100
6	M25A	Z	1.602	1.602	0	%100
7	M26A	X	11.097	11.097	0	%100
8	M26A	Z	6.407	6.407	0	%100
9	M25	X	8.322	8.322	0	%100
10	M25	Z	4.805	4.805	0	%100
11	M26	X	0	0	0	%100
12	M26	Z	0	0	0	%100
13	MP4A	X	6.325	6.325	0	%100
14	MP4A	Z	3.652	3.652	0	%100
15	MP3A	X	6.325	6.325	0	%100
16	MP3A	Z	3.652	3.652	0	%100
17	MP2A	X	7.657	7.657	0	%100
18	MP2A	Z	4.421	4.421	0	%100
19	MP1A	X	6.325	6.325	0	%100
20	MP1A	Z	3.652	3.652	0	%100
21	MP3C	X	7.657	7.657	0	%100
22	MP3C	Z	4.421	4.421	0	%100
23	MP2C	X	7.657	7.657	0	%100
24	MP2C	Z	4.421	4.421	0	%100
25	MP1C	X	6.325	6.325	0	%100
26	MP1C	Z	3.652	3.652	0	%100
27	MP3B	X	6.325	6.325	0	%100
28	MP3B	Z	3.652	3.652	0	%100
29	MP2B	X	7.657	7.657	0	%100
30	MP2B	Z	4.421	4.421	0	%100
31	MP1B	X	6.325	6.325	0	%100
32	MP1B	Z	3.652	3.652	0	%100
33	OVP	X	6.325	6.325	0	%100
34	OVP	Z	3.652	3.652	0	%100
35	M33	X	11.049	11.049	0	%100
36	M33	Z	6.379	6.379	0	%100
37	M34	X	11.049	11.049	0	%100
38	M34	Z	6.379	6.379	0	%100
39	M35	X	6.922	6.922	0	%100
40	M35	Z	3.996	3.996	0	%100
41	M36	X	1.914	1.914	0	%100
42	M36	Z	1.105	1.105	0	%100
43	MP4C	X	6.325	6.325	0	%100
44	MP4C	Z	3.652	3.652	0	%100
45	M39A	X	1.914	1.914	0	%100
46	M39A	Z	1.105	1.105	0	%100
47	MP4B	X	6.325	6.325	0	%100
48	MP4B	Z	3.652	3.652	0	%100
49	M43	X	7.657	7.657	0	%100
50	M43	Z	4.421	4.421	0	%100
51	M57	X	2.208	2.208	0	%100
52	M57	Z	1.275	1.275	0	%100
53	M58	X	2.208	2.208	0	%100
54	M58	Z	1.275	1.275	0	%100
55	M59	X	8.831	8.831	0	%100
56	M59	Z	5.099	5.099	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	1.602	1.602	0	%100
2	M4	Z	2.774	2.774	0	%100
3	M68B	X	4.805	4.805	0	%100
4	M68B	Z	8.323	8.323	0	%100
5	M25A	X	0	0	0	%100
6	M25A	Z	0	0	0	%100
7	M26A	X	4.805	4.805	0	%100
8	M26A	Z	8.323	8.323	0	%100
9	M25	X	6.406	6.406	0	%100
10	M25	Z	11.096	11.096	0	%100
11	M26	X	1.602	1.602	0	%100
12	M26	Z	2.774	2.774	0	%100
13	MP4A	X	3.652	3.652	0	%100
14	MP4A	Z	6.325	6.325	0	%100
15	MP3A	X	3.652	3.652	0	%100
16	MP3A	Z	6.325	6.325	0	%100
17	MP2A	X	4.421	4.421	0	%100
18	MP2A	Z	7.657	7.657	0	%100
19	MP1A	X	3.652	3.652	0	%100
20	MP1A	Z	6.325	6.325	0	%100
21	MP3C	X	4.421	4.421	0	%100
22	MP3C	Z	7.657	7.657	0	%100
23	MP2C	X	4.421	4.421	0	%100
24	MP2C	Z	7.657	7.657	0	%100
25	MP1C	X	3.652	3.652	0	%100
26	MP1C	Z	6.325	6.325	0	%100
27	MP3B	X	3.652	3.652	0	%100
28	MP3B	Z	6.325	6.325	0	%100
29	MP2B	X	4.421	4.421	0	%100
30	MP2B	Z	7.657	7.657	0	%100
31	MP1B	X	3.652	3.652	0	%100
32	MP1B	Z	6.325	6.325	0	%100
33	OVP	X	3.652	3.652	0	%100
34	OVP	Z	6.325	6.325	0	%100
35	M33	X	4.791	4.791	0	%100
36	M33	Z	8.298	8.298	0	%100
37	M34	X	7.174	7.174	0	%100
38	M34	Z	12.425	12.425	0	%100
39	M35	X	4.791	4.791	0	%100
40	M35	Z	8.298	8.298	0	%100
41	M36	X	3.316	3.316	0	%100
42	M36	Z	5.743	5.743	0	%100
43	MP4C	X	3.652	3.652	0	%100
44	MP4C	Z	6.325	6.325	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	0	0	0	%100
47	MP4B	X	3.652	3.652	0	%100
48	MP4B	Z	6.325	6.325	0	%100
49	M43	X	3.316	3.316	0	%100
50	M43	Z	5.743	5.743	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	3.824	3.824	0	%100
54	M58	Z	6.623	6.623	0	%100
55	M59	X	3.824	3.824	0	%100
56	M59	Z	6.623	6.623	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M68B	X	0	0	0	%100
4	M68B	Z	12.814	12.814	0	%100
5	M25A	X	0	0	0	%100
6	M25A	Z	3.203	3.203	0	%100
7	M26A	X	0	0	0	%100
8	M26A	Z	3.203	3.203	0	%100
9	M25	X	0	0	0	%100
10	M25	Z	9.609	9.609	0	%100
11	M26	X	0	0	0	%100
12	M26	Z	9.609	9.609	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	7.304	7.304	0	%100
15	MP3A	X	0	0	0	%100
16	MP3A	Z	7.304	7.304	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	8.841	8.841	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	7.304	7.304	0	%100
21	MP3C	X	0	0	0	%100
22	MP3C	Z	8.841	8.841	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	8.841	8.841	0	%100
25	MP1C	X	0	0	0	%100
26	MP1C	Z	7.304	7.304	0	%100
27	MP3B	X	0	0	0	%100
28	MP3B	Z	7.304	7.304	0	%100
29	MP2B	X	0	0	0	%100
30	MP2B	Z	8.841	8.841	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	7.304	7.304	0	%100
33	OVP	X	0	0	0	%100
34	OVP	Z	7.304	7.304	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	7.993	7.993	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	12.758	12.758	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	12.758	12.758	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	8.841	8.841	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	7.304	7.304	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	2.21	2.21	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	7.304	7.304	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	2.21	2.21	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	2.549	2.549	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	10.197	10.197	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	2.549	2.549	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-1.602	-1.602	0	%100
2	M4	Z	2.774	2.774	0	%100
3	M68B	X	-4.805	-4.805	0	%100
4	M68B	Z	8.323	8.323	0	%100
5	M25A	X	-4.805	-4.805	0	%100
6	M25A	Z	8.323	8.323	0	%100
7	M26A	X	0	0	0	%100
8	M26A	Z	0	0	0	%100
9	M25	X	-1.602	-1.602	0	%100
10	M25	Z	2.774	2.774	0	%100
11	M26	X	-6.406	-6.406	0	%100
12	M26	Z	11.096	11.096	0	%100
13	MP4A	X	-3.652	-3.652	0	%100
14	MP4A	Z	6.325	6.325	0	%100
15	MP3A	X	-3.652	-3.652	0	%100
16	MP3A	Z	6.325	6.325	0	%100
17	MP2A	X	-4.421	-4.421	0	%100
18	MP2A	Z	7.657	7.657	0	%100
19	MP1A	X	-3.652	-3.652	0	%100
20	MP1A	Z	6.325	6.325	0	%100
21	MP3C	X	-4.421	-4.421	0	%100
22	MP3C	Z	7.657	7.657	0	%100
23	MP2C	X	-4.421	-4.421	0	%100
24	MP2C	Z	7.657	7.657	0	%100
25	MP1C	X	-3.652	-3.652	0	%100
26	MP1C	Z	6.325	6.325	0	%100
27	MP3B	X	-3.652	-3.652	0	%100
28	MP3B	Z	6.325	6.325	0	%100
29	MP2B	X	-4.421	-4.421	0	%100
30	MP2B	Z	7.657	7.657	0	%100
31	MP1B	X	-3.652	-3.652	0	%100
32	MP1B	Z	6.325	6.325	0	%100
33	OVP	X	-3.652	-3.652	0	%100
34	OVP	Z	6.325	6.325	0	%100
35	M33	X	-4.791	-4.791	0	%100
36	M33	Z	8.298	8.298	0	%100
37	M34	X	-4.791	-4.791	0	%100
38	M34	Z	8.298	8.298	0	%100
39	M35	X	-7.174	-7.174	0	%100
40	M35	Z	12.425	12.425	0	%100
41	M36	X	-3.316	-3.316	0	%100
42	M36	Z	5.743	5.743	0	%100
43	MP4C	X	-3.652	-3.652	0	%100
44	MP4C	Z	6.325	6.325	0	%100
45	M39A	X	-3.316	-3.316	0	%100
46	M39A	Z	5.743	5.743	0	%100
47	MP4B	X	-3.652	-3.652	0	%100
48	MP4B	Z	6.325	6.325	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	0	0	0	%100
51	M57	X	-3.824	-3.824	0	%100
52	M57	Z	6.623	6.623	0	%100
53	M58	X	-3.824	-3.824	0	%100
54	M58	Z	6.623	6.623	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-8.322	-8.322	0	%100
2	M4	Z	4.805	4.805	0	%100
3	M68B	X	-2.774	-2.774	0	%100
4	M68B	Z	1.602	1.602	0	%100
5	M25A	X	-11.097	-11.097	0	%100
6	M25A	Z	6.407	6.407	0	%100
7	M26A	X	-2.774	-2.774	0	%100
8	M26A	Z	1.602	1.602	0	%100
9	M25	X	0	0	0	%100
10	M25	Z	0	0	0	%100
11	M26	X	-8.322	-8.322	0	%100
12	M26	Z	4.805	4.805	0	%100
13	MP4A	X	-6.325	-6.325	0	%100
14	MP4A	Z	3.652	3.652	0	%100
15	MP3A	X	-6.325	-6.325	0	%100
16	MP3A	Z	3.652	3.652	0	%100
17	MP2A	X	-7.657	-7.657	0	%100
18	MP2A	Z	4.421	4.421	0	%100
19	MP1A	X	-6.325	-6.325	0	%100
20	MP1A	Z	3.652	3.652	0	%100
21	MP3C	X	-7.657	-7.657	0	%100
22	MP3C	Z	4.421	4.421	0	%100
23	MP2C	X	-7.657	-7.657	0	%100
24	MP2C	Z	4.421	4.421	0	%100
25	MP1C	X	-6.325	-6.325	0	%100
26	MP1C	Z	3.652	3.652	0	%100
27	MP3B	X	-6.325	-6.325	0	%100
28	MP3B	Z	3.652	3.652	0	%100
29	MP2B	X	-7.657	-7.657	0	%100
30	MP2B	Z	4.421	4.421	0	%100
31	MP1B	X	-6.325	-6.325	0	%100
32	MP1B	Z	3.652	3.652	0	%100
33	OVP	X	-6.325	-6.325	0	%100
34	OVP	Z	3.652	3.652	0	%100
35	M33	X	-11.049	-11.049	0	%100
36	M33	Z	6.379	6.379	0	%100
37	M34	X	-6.922	-6.922	0	%100
38	M34	Z	3.996	3.996	0	%100
39	M35	X	-11.049	-11.049	0	%100
40	M35	Z	6.379	6.379	0	%100
41	M36	X	-1.914	-1.914	0	%100
42	M36	Z	1.105	1.105	0	%100
43	MP4C	X	-6.325	-6.325	0	%100
44	MP4C	Z	3.652	3.652	0	%100
45	M39A	X	-7.657	-7.657	0	%100
46	M39A	Z	4.421	4.421	0	%100
47	MP4B	X	-6.325	-6.325	0	%100
48	MP4B	Z	3.652	3.652	0	%100
49	M43	X	-1.914	-1.914	0	%100
50	M43	Z	1.105	1.105	0	%100
51	M57	X	-8.831	-8.831	0	%100
52	M57	Z	5.099	5.099	0	%100
53	M58	X	-2.208	-2.208	0	%100
54	M58	Z	1.275	1.275	0	%100
55	M59	X	-2.208	-2.208	0	%100
56	M59	Z	1.275	1.275	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-12.812	-12.812	0	%100
2	M4	Z	0	0	0	%100
3	M68B	X	0	0	0	%100
4	M68B	Z	0	0	0	%100
5	M25A	X	-9.61	-9.61	0	%100
6	M25A	Z	0	0	0	%100
7	M26A	X	-9.61	-9.61	0	%100
8	M26A	Z	0	0	0	%100
9	M25	X	-3.203	-3.203	0	%100
10	M25	Z	0	0	0	%100
11	M26	X	-3.203	-3.203	0	%100
12	M26	Z	0	0	0	%100
13	MP4A	X	-7.304	-7.304	0	%100
14	MP4A	Z	0	0	0	%100
15	MP3A	X	-7.304	-7.304	0	%100
16	MP3A	Z	0	0	0	%100
17	MP2A	X	-8.841	-8.841	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1A	X	-7.304	-7.304	0	%100
20	MP1A	Z	0	0	0	%100
21	MP3C	X	-8.841	-8.841	0	%100
22	MP3C	Z	0	0	0	%100
23	MP2C	X	-8.841	-8.841	0	%100
24	MP2C	Z	0	0	0	%100
25	MP1C	X	-7.304	-7.304	0	%100
26	MP1C	Z	0	0	0	%100
27	MP3B	X	-7.304	-7.304	0	%100
28	MP3B	Z	0	0	0	%100
29	MP2B	X	-8.841	-8.841	0	%100
30	MP2B	Z	0	0	0	%100
31	MP1B	X	-7.304	-7.304	0	%100
32	MP1B	Z	0	0	0	%100
33	OVP	X	-7.304	-7.304	0	%100
34	OVP	Z	0	0	0	%100
35	M33	X	-14.347	-14.347	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	-9.581	-9.581	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	-9.581	-9.581	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	0	0	0	%100
43	MP4C	X	-7.304	-7.304	0	%100
44	MP4C	Z	0	0	0	%100
45	M39A	X	-6.631	-6.631	0	%100
46	M39A	Z	0	0	0	%100
47	MP4B	X	-7.304	-7.304	0	%100
48	MP4B	Z	0	0	0	%100
49	M43	X	-6.631	-6.631	0	%100
50	M43	Z	0	0	0	%100
51	M57	X	-7.648	-7.648	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	-7.648	-7.648	0	%100
56	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-8.322	-8.322	0	%100
2	M4	Z	-4.805	-4.805	0	%100
3	M68B	X	-2.774	-2.774	0	%100
4	M68B	Z	-1.602	-1.602	0	%100
5	M25A	X	-2.774	-2.774	0	%100
6	M25A	Z	-1.602	-1.602	0	%100
7	M26A	X	-11.097	-11.097	0	%100
8	M26A	Z	-6.407	-6.407	0	%100
9	M25	X	-8.322	-8.322	0	%100
10	M25	Z	-4.805	-4.805	0	%100
11	M26	X	0	0	0	%100
12	M26	Z	0	0	0	%100
13	MP4A	X	-6.325	-6.325	0	%100
14	MP4A	Z	-3.652	-3.652	0	%100
15	MP3A	X	-6.325	-6.325	0	%100
16	MP3A	Z	-3.652	-3.652	0	%100
17	MP2A	X	-7.657	-7.657	0	%100
18	MP2A	Z	-4.421	-4.421	0	%100
19	MP1A	X	-6.325	-6.325	0	%100
20	MP1A	Z	-3.652	-3.652	0	%100
21	MP3C	X	-7.657	-7.657	0	%100
22	MP3C	Z	-4.421	-4.421	0	%100
23	MP2C	X	-7.657	-7.657	0	%100
24	MP2C	Z	-4.421	-4.421	0	%100
25	MP1C	X	-6.325	-6.325	0	%100
26	MP1C	Z	-3.652	-3.652	0	%100
27	MP3B	X	-6.325	-6.325	0	%100
28	MP3B	Z	-3.652	-3.652	0	%100
29	MP2B	X	-7.657	-7.657	0	%100
30	MP2B	Z	-4.421	-4.421	0	%100
31	MP1B	X	-6.325	-6.325	0	%100
32	MP1B	Z	-3.652	-3.652	0	%100
33	OVP	X	-6.325	-6.325	0	%100
34	OVP	Z	-3.652	-3.652	0	%100
35	M33	X	-11.049	-11.049	0	%100
36	M33	Z	-6.379	-6.379	0	%100
37	M34	X	-11.049	-11.049	0	%100
38	M34	Z	-6.379	-6.379	0	%100
39	M35	X	-6.922	-6.922	0	%100
40	M35	Z	-3.996	-3.996	0	%100
41	M36	X	-1.914	-1.914	0	%100
42	M36	Z	-1.105	-1.105	0	%100
43	MP4C	X	-6.325	-6.325	0	%100
44	MP4C	Z	-3.652	-3.652	0	%100
45	M39A	X	-1.914	-1.914	0	%100
46	M39A	Z	-1.105	-1.105	0	%100
47	MP4B	X	-6.325	-6.325	0	%100
48	MP4B	Z	-3.652	-3.652	0	%100
49	M43	X	-7.657	-7.657	0	%100
50	M43	Z	-4.421	-4.421	0	%100
51	M57	X	-2.208	-2.208	0	%100
52	M57	Z	-1.275	-1.275	0	%100
53	M58	X	-2.208	-2.208	0	%100
54	M58	Z	-1.275	-1.275	0	%100
55	M59	X	-8.831	-8.831	0	%100
56	M59	Z	-5.099	-5.099	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-1.602	-1.602	0	%100
2	M4	Z	-2.774	-2.774	0	%100
3	M68B	X	-4.805	-4.805	0	%100
4	M68B	Z	-8.323	-8.323	0	%100
5	M25A	X	0	0	0	%100
6	M25A	Z	0	0	0	%100
7	M26A	X	-4.805	-4.805	0	%100
8	M26A	Z	-8.323	-8.323	0	%100
9	M25	X	-6.406	-6.406	0	%100
10	M25	Z	-11.096	-11.096	0	%100
11	M26	X	-1.602	-1.602	0	%100
12	M26	Z	-2.774	-2.774	0	%100
13	MP4A	X	-3.652	-3.652	0	%100
14	MP4A	Z	-6.325	-6.325	0	%100
15	MP3A	X	-3.652	-3.652	0	%100
16	MP3A	Z	-6.325	-6.325	0	%100
17	MP2A	X	-4.421	-4.421	0	%100
18	MP2A	Z	-7.657	-7.657	0	%100
19	MP1A	X	-3.652	-3.652	0	%100
20	MP1A	Z	-6.325	-6.325	0	%100
21	MP3C	X	-4.421	-4.421	0	%100
22	MP3C	Z	-7.657	-7.657	0	%100
23	MP2C	X	-4.421	-4.421	0	%100
24	MP2C	Z	-7.657	-7.657	0	%100
25	MP1C	X	-3.652	-3.652	0	%100
26	MP1C	Z	-6.325	-6.325	0	%100
27	MP3B	X	-3.652	-3.652	0	%100
28	MP3B	Z	-6.325	-6.325	0	%100
29	MP2B	X	-4.421	-4.421	0	%100
30	MP2B	Z	-7.657	-7.657	0	%100
31	MP1B	X	-3.652	-3.652	0	%100
32	MP1B	Z	-6.325	-6.325	0	%100
33	OVP	X	-3.652	-3.652	0	%100
34	OVP	Z	-6.325	-6.325	0	%100
35	M33	X	-4.791	-4.791	0	%100
36	M33	Z	-8.298	-8.298	0	%100
37	M34	X	-7.174	-7.174	0	%100
38	M34	Z	-12.425	-12.425	0	%100
39	M35	X	-4.791	-4.791	0	%100
40	M35	Z	-8.298	-8.298	0	%100
41	M36	X	-3.316	-3.316	0	%100
42	M36	Z	-5.743	-5.743	0	%100
43	MP4C	X	-3.652	-3.652	0	%100
44	MP4C	Z	-6.325	-6.325	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	0	0	0	%100
47	MP4B	X	-3.652	-3.652	0	%100
48	MP4B	Z	-6.325	-6.325	0	%100
49	M43	X	-3.316	-3.316	0	%100
50	M43	Z	-5.743	-5.743	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	-3.824	-3.824	0	%100
54	M58	Z	-6.623	-6.623	0	%100
55	M59	X	-3.824	-3.824	0	%100
56	M59	Z	-6.623	-6.623	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M68B	X	0	0	0	%100
4	M68B	Z	-3.768	-3.768	0	%100
5	M25A	X	0	0	0	%100
6	M25A	Z	-.942	-.942	0	%100
7	M26A	X	0	0	0	%100
8	M26A	Z	-.942	-.942	0	%100
9	M25	X	0	0	0	%100
10	M25	Z	-2.826	-2.826	0	%100
11	M26	X	0	0	0	%100
12	M26	Z	-2.826	-2.826	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	-2.727	-2.727	0	%100
15	MP3A	X	0	0	0	%100
16	MP3A	Z	-2.727	-2.727	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	-3.017	-3.017	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-2.727	-2.727	0	%100
21	MP3C	X	0	0	0	%100
22	MP3C	Z	-3.017	-3.017	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	-3.017	-3.017	0	%100
25	MP1C	X	0	0	0	%100
26	MP1C	Z	-2.727	-2.727	0	%100
27	MP3B	X	0	0	0	%100
28	MP3B	Z	-2.727	-2.727	0	%100
29	MP2B	X	0	0	0	%100
30	MP2B	Z	-3.017	-3.017	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	-2.727	-2.727	0	%100
33	OVP	X	0	0	0	%100
34	OVP	Z	-2.727	-2.727	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-1.951	-1.951	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	-3.531	-3.531	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	-3.531	-3.531	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	-3.017	-3.017	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	-2.727	-2.727	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	-.754	-.754	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	-2.727	-2.727	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	-.754	-.754	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	-.706	-.706	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	-2.823	-2.823	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	-.706	-.706	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.471	.471	0	%100
2	M4	Z	-.816	-.816	0	%100
3	M68B	X	1.413	1.413	0	%100
4	M68B	Z	-2.448	-2.448	0	%100
5	M25A	X	1.413	1.413	0	%100
6	M25A	Z	-2.448	-2.448	0	%100
7	M26A	X	0	0	0	%100
8	M26A	Z	0	0	0	%100
9	M25	X	.471	.471	0	%100
10	M25	Z	-.816	-.816	0	%100
11	M26	X	1.884	1.884	0	%100
12	M26	Z	-3.263	-3.263	0	%100
13	MP4A	X	1.363	1.363	0	%100
14	MP4A	Z	-2.361	-2.361	0	%100
15	MP3A	X	1.363	1.363	0	%100
16	MP3A	Z	-2.361	-2.361	0	%100
17	MP2A	X	1.509	1.509	0	%100
18	MP2A	Z	-2.613	-2.613	0	%100
19	MP1A	X	1.363	1.363	0	%100
20	MP1A	Z	-2.361	-2.361	0	%100
21	MP3C	X	1.509	1.509	0	%100
22	MP3C	Z	-2.613	-2.613	0	%100
23	MP2C	X	1.509	1.509	0	%100
24	MP2C	Z	-2.613	-2.613	0	%100
25	MP1C	X	1.363	1.363	0	%100
26	MP1C	Z	-2.361	-2.361	0	%100
27	MP3B	X	1.363	1.363	0	%100
28	MP3B	Z	-2.361	-2.361	0	%100
29	MP2B	X	1.509	1.509	0	%100
30	MP2B	Z	-2.613	-2.613	0	%100
31	MP1B	X	1.363	1.363	0	%100
32	MP1B	Z	-2.361	-2.361	0	%100
33	OVP	X	1.363	1.363	0	%100
34	OVP	Z	-2.361	-2.361	0	%100
35	M33	X	1.239	1.239	0	%100
36	M33	Z	-2.146	-2.146	0	%100
37	M34	X	1.239	1.239	0	%100
38	M34	Z	-2.146	-2.146	0	%100
39	M35	X	2.029	2.029	0	%100
40	M35	Z	-3.515	-3.515	0	%100
41	M36	X	1.132	1.132	0	%100
42	M36	Z	-1.96	-1.96	0	%100
43	MP4C	X	1.363	1.363	0	%100
44	MP4C	Z	-2.361	-2.361	0	%100
45	M39A	X	1.132	1.132	0	%100
46	M39A	Z	-1.96	-1.96	0	%100
47	MP4B	X	1.363	1.363	0	%100
48	MP4B	Z	-2.361	-2.361	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	0	0	0	%100
51	M57	X	1.059	1.059	0	%100
52	M57	Z	-1.834	-1.834	0	%100
53	M58	X	1.059	1.059	0	%100
54	M58	Z	-1.834	-1.834	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	2.447	2.447	0	%100
2	M4	Z	-1.413	-1.413	0	%100
3	M68B	X	.816	.816	0	%100
4	M68B	Z	-.471	-.471	0	%100
5	M25A	X	3.264	3.264	0	%100
6	M25A	Z	-1.884	-1.884	0	%100
7	M26A	X	.816	.816	0	%100
8	M26A	Z	-.471	-.471	0	%100
9	M25	X	0	0	0	%100
10	M25	Z	0	0	0	%100
11	M26	X	2.447	2.447	0	%100
12	M26	Z	-1.413	-1.413	0	%100
13	MP4A	X	2.361	2.361	0	%100
14	MP4A	Z	-1.363	-1.363	0	%100
15	MP3A	X	2.361	2.361	0	%100
16	MP3A	Z	-1.363	-1.363	0	%100
17	MP2A	X	2.613	2.613	0	%100
18	MP2A	Z	-1.509	-1.509	0	%100
19	MP1A	X	2.361	2.361	0	%100
20	MP1A	Z	-1.363	-1.363	0	%100
21	MP3C	X	2.613	2.613	0	%100
22	MP3C	Z	-1.509	-1.509	0	%100
23	MP2C	X	2.613	2.613	0	%100
24	MP2C	Z	-1.509	-1.509	0	%100
25	MP1C	X	2.361	2.361	0	%100
26	MP1C	Z	-1.363	-1.363	0	%100
27	MP3B	X	2.361	2.361	0	%100
28	MP3B	Z	-1.363	-1.363	0	%100
29	MP2B	X	2.613	2.613	0	%100
30	MP2B	Z	-1.509	-1.509	0	%100
31	MP1B	X	2.361	2.361	0	%100
32	MP1B	Z	-1.363	-1.363	0	%100
33	OVP	X	2.361	2.361	0	%100
34	OVP	Z	-1.363	-1.363	0	%100
35	M33	X	3.058	3.058	0	%100
36	M33	Z	-1.766	-1.766	0	%100
37	M34	X	1.69	1.69	0	%100
38	M34	Z	-.976	-.976	0	%100
39	M35	X	3.058	3.058	0	%100
40	M35	Z	-1.766	-1.766	0	%100
41	M36	X	.653	.653	0	%100
42	M36	Z	-.377	-.377	0	%100
43	MP4C	X	2.361	2.361	0	%100
44	MP4C	Z	-1.363	-1.363	0	%100
45	M39A	X	2.613	2.613	0	%100
46	M39A	Z	-1.509	-1.509	0	%100
47	MP4B	X	2.361	2.361	0	%100
48	MP4B	Z	-1.363	-1.363	0	%100
49	M43	X	.653	.653	0	%100
50	M43	Z	-.377	-.377	0	%100
51	M57	X	2.445	2.445	0	%100
52	M57	Z	-1.412	-1.412	0	%100
53	M58	X	.611	.611	0	%100
54	M58	Z	-.353	-.353	0	%100
55	M59	X	.611	.611	0	%100
56	M59	Z	-.353	-.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	3.768	3.768	0	%100
2	M4	Z	0	0	0	%100
3	M68B	X	0	0	0	%100
4	M68B	Z	0	0	0	%100
5	M25A	X	2.826	2.826	0	%100
6	M25A	Z	0	0	0	%100
7	M26A	X	2.826	2.826	0	%100
8	M26A	Z	0	0	0	%100
9	M25	X	.942	.942	0	%100
10	M25	Z	0	0	0	%100
11	M26	X	.942	.942	0	%100
12	M26	Z	0	0	0	%100
13	MP4A	X	2.727	2.727	0	%100
14	MP4A	Z	0	0	0	%100
15	MP3A	X	2.727	2.727	0	%100
16	MP3A	Z	0	0	0	%100
17	MP2A	X	3.017	3.017	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1A	X	2.727	2.727	0	%100
20	MP1A	Z	0	0	0	%100
21	MP3C	X	3.017	3.017	0	%100
22	MP3C	Z	0	0	0	%100
23	MP2C	X	3.017	3.017	0	%100
24	MP2C	Z	0	0	0	%100
25	MP1C	X	2.727	2.727	0	%100
26	MP1C	Z	0	0	0	%100
27	MP3B	X	2.727	2.727	0	%100
28	MP3B	Z	0	0	0	%100
29	MP2B	X	3.017	3.017	0	%100
30	MP2B	Z	0	0	0	%100
31	MP1B	X	2.727	2.727	0	%100
32	MP1B	Z	0	0	0	%100
33	OVP	X	2.727	2.727	0	%100
34	OVP	Z	0	0	0	%100
35	M33	X	4.058	4.058	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	2.478	2.478	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	2.478	2.478	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	0	0	0	%100
43	MP4C	X	2.727	2.727	0	%100
44	MP4C	Z	0	0	0	%100
45	M39A	X	2.263	2.263	0	%100
46	M39A	Z	0	0	0	%100
47	MP4B	X	2.727	2.727	0	%100
48	MP4B	Z	0	0	0	%100
49	M43	X	2.263	2.263	0	%100
50	M43	Z	0	0	0	%100
51	M57	X	2.117	2.117	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	2.117	2.117	0	%100
56	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	2.447	2.447	0	%100
2	M4	Z	1.413	1.413	0	%100
3	M68B	X	.816	.816	0	%100
4	M68B	Z	.471	.471	0	%100
5	M25A	X	.816	.816	0	%100
6	M25A	Z	.471	.471	0	%100
7	M26A	X	3.264	3.264	0	%100
8	M26A	Z	1.884	1.884	0	%100
9	M25	X	2.447	2.447	0	%100
10	M25	Z	1.413	1.413	0	%100
11	M26	X	0	0	0	%100
12	M26	Z	0	0	0	%100
13	MP4A	X	2.361	2.361	0	%100
14	MP4A	Z	1.363	1.363	0	%100
15	MP3A	X	2.361	2.361	0	%100
16	MP3A	Z	1.363	1.363	0	%100
17	MP2A	X	2.613	2.613	0	%100
18	MP2A	Z	1.509	1.509	0	%100
19	MP1A	X	2.361	2.361	0	%100
20	MP1A	Z	1.363	1.363	0	%100
21	MP3C	X	2.613	2.613	0	%100
22	MP3C	Z	1.509	1.509	0	%100
23	MP2C	X	2.613	2.613	0	%100
24	MP2C	Z	1.509	1.509	0	%100
25	MP1C	X	2.361	2.361	0	%100
26	MP1C	Z	1.363	1.363	0	%100
27	MP3B	X	2.361	2.361	0	%100
28	MP3B	Z	1.363	1.363	0	%100
29	MP2B	X	2.613	2.613	0	%100
30	MP2B	Z	1.509	1.509	0	%100
31	MP1B	X	2.361	2.361	0	%100
32	MP1B	Z	1.363	1.363	0	%100
33	OVP	X	2.361	2.361	0	%100
34	OVP	Z	1.363	1.363	0	%100
35	M33	X	3.058	3.058	0	%100
36	M33	Z	1.766	1.766	0	%100
37	M34	X	3.058	3.058	0	%100
38	M34	Z	1.766	1.766	0	%100
39	M35	X	1.69	1.69	0	%100
40	M35	Z	.976	.976	0	%100
41	M36	X	.653	.653	0	%100
42	M36	Z	.377	.377	0	%100
43	MP4C	X	2.361	2.361	0	%100
44	MP4C	Z	1.363	1.363	0	%100
45	M39A	X	.653	.653	0	%100
46	M39A	Z	.377	.377	0	%100
47	MP4B	X	2.361	2.361	0	%100
48	MP4B	Z	1.363	1.363	0	%100
49	M43	X	2.613	2.613	0	%100
50	M43	Z	1.509	1.509	0	%100
51	M57	X	.611	.611	0	%100
52	M57	Z	.353	.353	0	%100
53	M58	X	.611	.611	0	%100
54	M58	Z	.353	.353	0	%100
55	M59	X	2.445	2.445	0	%100
56	M59	Z	1.412	1.412	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.471	.471	0	%100
2	M4	Z	.816	.816	0	%100
3	M68B	X	1.413	1.413	0	%100
4	M68B	Z	2.448	2.448	0	%100
5	M25A	X	0	0	0	%100
6	M25A	Z	0	0	0	%100
7	M26A	X	1.413	1.413	0	%100
8	M26A	Z	2.448	2.448	0	%100
9	M25	X	1.884	1.884	0	%100
10	M25	Z	3.263	3.263	0	%100
11	M26	X	.471	.471	0	%100
12	M26	Z	.816	.816	0	%100
13	MP4A	X	1.363	1.363	0	%100
14	MP4A	Z	2.361	2.361	0	%100
15	MP3A	X	1.363	1.363	0	%100
16	MP3A	Z	2.361	2.361	0	%100
17	MP2A	X	1.509	1.509	0	%100
18	MP2A	Z	2.613	2.613	0	%100
19	MP1A	X	1.363	1.363	0	%100
20	MP1A	Z	2.361	2.361	0	%100
21	MP3C	X	1.509	1.509	0	%100
22	MP3C	Z	2.613	2.613	0	%100
23	MP2C	X	1.509	1.509	0	%100
24	MP2C	Z	2.613	2.613	0	%100
25	MP1C	X	1.363	1.363	0	%100
26	MP1C	Z	2.361	2.361	0	%100
27	MP3B	X	1.363	1.363	0	%100
28	MP3B	Z	2.361	2.361	0	%100
29	MP2B	X	1.509	1.509	0	%100
30	MP2B	Z	2.613	2.613	0	%100
31	MP1B	X	1.363	1.363	0	%100
32	MP1B	Z	2.361	2.361	0	%100
33	OVP	X	1.363	1.363	0	%100
34	OVP	Z	2.361	2.361	0	%100
35	M33	X	1.239	1.239	0	%100
36	M33	Z	2.146	2.146	0	%100
37	M34	X	2.029	2.029	0	%100
38	M34	Z	3.515	3.515	0	%100
39	M35	X	1.239	1.239	0	%100
40	M35	Z	2.146	2.146	0	%100
41	M36	X	1.132	1.132	0	%100
42	M36	Z	1.96	1.96	0	%100
43	MP4C	X	1.363	1.363	0	%100
44	MP4C	Z	2.361	2.361	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	0	0	0	%100
47	MP4B	X	1.363	1.363	0	%100
48	MP4B	Z	2.361	2.361	0	%100
49	M43	X	1.132	1.132	0	%100
50	M43	Z	1.96	1.96	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	1.059	1.059	0	%100
54	M58	Z	1.834	1.834	0	%100
55	M59	X	1.059	1.059	0	%100
56	M59	Z	1.834	1.834	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M68B	X	0	0	0	%100
4	M68B	Z	3.768	3.768	0	%100
5	M25A	X	0	0	0	%100
6	M25A	Z	.942	.942	0	%100
7	M26A	X	0	0	0	%100
8	M26A	Z	.942	.942	0	%100
9	M25	X	0	0	0	%100
10	M25	Z	2.826	2.826	0	%100
11	M26	X	0	0	0	%100
12	M26	Z	2.826	2.826	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	2.727	2.727	0	%100
15	MP3A	X	0	0	0	%100
16	MP3A	Z	2.727	2.727	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	3.017	3.017	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	2.727	2.727	0	%100
21	MP3C	X	0	0	0	%100
22	MP3C	Z	3.017	3.017	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	3.017	3.017	0	%100
25	MP1C	X	0	0	0	%100
26	MP1C	Z	2.727	2.727	0	%100
27	MP3B	X	0	0	0	%100
28	MP3B	Z	2.727	2.727	0	%100
29	MP2B	X	0	0	0	%100
30	MP2B	Z	3.017	3.017	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	2.727	2.727	0	%100
33	OVP	X	0	0	0	%100
34	OVP	Z	2.727	2.727	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	1.951	1.951	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	3.531	3.531	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	3.531	3.531	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	3.017	3.017	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	2.727	2.727	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	.754	.754	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	2.727	2.727	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	.754	.754	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	.706	.706	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	2.823	2.823	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	.706	.706	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.471	-.471	0	%100
2	M4	Z	.816	.816	0	%100
3	M68B	X	-1.413	-1.413	0	%100
4	M68B	Z	2.448	2.448	0	%100
5	M25A	X	-1.413	-1.413	0	%100
6	M25A	Z	2.448	2.448	0	%100
7	M26A	X	0	0	0	%100
8	M26A	Z	0	0	0	%100
9	M25	X	-.471	-.471	0	%100
10	M25	Z	.816	.816	0	%100
11	M26	X	-1.884	-1.884	0	%100
12	M26	Z	3.263	3.263	0	%100
13	MP4A	X	-1.363	-1.363	0	%100
14	MP4A	Z	2.361	2.361	0	%100
15	MP3A	X	-1.363	-1.363	0	%100
16	MP3A	Z	2.361	2.361	0	%100
17	MP2A	X	-1.509	-1.509	0	%100
18	MP2A	Z	2.613	2.613	0	%100
19	MP1A	X	-1.363	-1.363	0	%100
20	MP1A	Z	2.361	2.361	0	%100
21	MP3C	X	-1.509	-1.509	0	%100
22	MP3C	Z	2.613	2.613	0	%100
23	MP2C	X	-1.509	-1.509	0	%100
24	MP2C	Z	2.613	2.613	0	%100
25	MP1C	X	-1.363	-1.363	0	%100
26	MP1C	Z	2.361	2.361	0	%100
27	MP3B	X	-1.363	-1.363	0	%100
28	MP3B	Z	2.361	2.361	0	%100
29	MP2B	X	-1.509	-1.509	0	%100
30	MP2B	Z	2.613	2.613	0	%100
31	MP1B	X	-1.363	-1.363	0	%100
32	MP1B	Z	2.361	2.361	0	%100
33	OVP	X	-1.363	-1.363	0	%100
34	OVP	Z	2.361	2.361	0	%100
35	M33	X	-1.239	-1.239	0	%100
36	M33	Z	2.146	2.146	0	%100
37	M34	X	-1.239	-1.239	0	%100
38	M34	Z	2.146	2.146	0	%100
39	M35	X	-2.029	-2.029	0	%100
40	M35	Z	3.515	3.515	0	%100
41	M36	X	-1.132	-1.132	0	%100
42	M36	Z	1.96	1.96	0	%100
43	MP4C	X	-1.363	-1.363	0	%100
44	MP4C	Z	2.361	2.361	0	%100
45	M39A	X	-1.132	-1.132	0	%100
46	M39A	Z	1.96	1.96	0	%100
47	MP4B	X	-1.363	-1.363	0	%100
48	MP4B	Z	2.361	2.361	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	0	0	0	%100
51	M57	X	-1.059	-1.059	0	%100
52	M57	Z	1.834	1.834	0	%100
53	M58	X	-1.059	-1.059	0	%100
54	M58	Z	1.834	1.834	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-2.447	-2.447	0	%100
2	M4	Z	1.413	1.413	0	%100
3	M68B	X	-.816	-.816	0	%100
4	M68B	Z	.471	.471	0	%100
5	M25A	X	-3.264	-3.264	0	%100
6	M25A	Z	1.884	1.884	0	%100
7	M26A	X	-.816	-.816	0	%100
8	M26A	Z	.471	.471	0	%100
9	M25	X	0	0	0	%100
10	M25	Z	0	0	0	%100
11	M26	X	-2.447	-2.447	0	%100
12	M26	Z	1.413	1.413	0	%100
13	MP4A	X	-2.361	-2.361	0	%100
14	MP4A	Z	1.363	1.363	0	%100
15	MP3A	X	-2.361	-2.361	0	%100
16	MP3A	Z	1.363	1.363	0	%100
17	MP2A	X	-2.613	-2.613	0	%100
18	MP2A	Z	1.509	1.509	0	%100
19	MP1A	X	-2.361	-2.361	0	%100
20	MP1A	Z	1.363	1.363	0	%100
21	MP3C	X	-2.613	-2.613	0	%100
22	MP3C	Z	1.509	1.509	0	%100
23	MP2C	X	-2.613	-2.613	0	%100
24	MP2C	Z	1.509	1.509	0	%100
25	MP1C	X	-2.361	-2.361	0	%100
26	MP1C	Z	1.363	1.363	0	%100
27	MP3B	X	-2.361	-2.361	0	%100
28	MP3B	Z	1.363	1.363	0	%100
29	MP2B	X	-2.613	-2.613	0	%100
30	MP2B	Z	1.509	1.509	0	%100
31	MP1B	X	-2.361	-2.361	0	%100
32	MP1B	Z	1.363	1.363	0	%100
33	OVP	X	-2.361	-2.361	0	%100
34	OVP	Z	1.363	1.363	0	%100
35	M33	X	-3.058	-3.058	0	%100
36	M33	Z	1.766	1.766	0	%100
37	M34	X	-1.69	-1.69	0	%100
38	M34	Z	.976	.976	0	%100
39	M35	X	-3.058	-3.058	0	%100
40	M35	Z	1.766	1.766	0	%100
41	M36	X	-.653	-.653	0	%100
42	M36	Z	.377	.377	0	%100
43	MP4C	X	-2.361	-2.361	0	%100
44	MP4C	Z	1.363	1.363	0	%100
45	M39A	X	-2.613	-2.613	0	%100
46	M39A	Z	1.509	1.509	0	%100
47	MP4B	X	-2.361	-2.361	0	%100
48	MP4B	Z	1.363	1.363	0	%100
49	M43	X	-.653	-.653	0	%100
50	M43	Z	.377	.377	0	%100
51	M57	X	-2.445	-2.445	0	%100
52	M57	Z	1.412	1.412	0	%100
53	M58	X	-.611	-.611	0	%100
54	M58	Z	.353	.353	0	%100
55	M59	X	-.611	-.611	0	%100
56	M59	Z	.353	.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-3.768	-3.768	0	%100
2	M4	Z	0	0	0	%100
3	M68B	X	0	0	0	%100
4	M68B	Z	0	0	0	%100
5	M25A	X	-2.826	-2.826	0	%100
6	M25A	Z	0	0	0	%100
7	M26A	X	-2.826	-2.826	0	%100
8	M26A	Z	0	0	0	%100
9	M25	X	-.942	-.942	0	%100
10	M25	Z	0	0	0	%100
11	M26	X	-.942	-.942	0	%100
12	M26	Z	0	0	0	%100
13	MP4A	X	-2.727	-2.727	0	%100
14	MP4A	Z	0	0	0	%100
15	MP3A	X	-2.727	-2.727	0	%100
16	MP3A	Z	0	0	0	%100
17	MP2A	X	-3.017	-3.017	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1A	X	-2.727	-2.727	0	%100
20	MP1A	Z	0	0	0	%100
21	MP3C	X	-3.017	-3.017	0	%100
22	MP3C	Z	0	0	0	%100
23	MP2C	X	-3.017	-3.017	0	%100
24	MP2C	Z	0	0	0	%100
25	MP1C	X	-2.727	-2.727	0	%100
26	MP1C	Z	0	0	0	%100
27	MP3B	X	-2.727	-2.727	0	%100
28	MP3B	Z	0	0	0	%100
29	MP2B	X	-3.017	-3.017	0	%100
30	MP2B	Z	0	0	0	%100
31	MP1B	X	-2.727	-2.727	0	%100
32	MP1B	Z	0	0	0	%100
33	OVP	X	-2.727	-2.727	0	%100
34	OVP	Z	0	0	0	%100
35	M33	X	-4.058	-4.058	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	-2.478	-2.478	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	-2.478	-2.478	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	0	0	0	%100
43	MP4C	X	-2.727	-2.727	0	%100
44	MP4C	Z	0	0	0	%100
45	M39A	X	-2.263	-2.263	0	%100
46	M39A	Z	0	0	0	%100
47	MP4B	X	-2.727	-2.727	0	%100
48	MP4B	Z	0	0	0	%100
49	M43	X	-2.263	-2.263	0	%100
50	M43	Z	0	0	0	%100
51	M57	X	-2.117	-2.117	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	-2.117	-2.117	0	%100
56	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-2.447	-2.447	0	%100
2	M4	Z	-1.413	-1.413	0	%100
3	M68B	X	-.816	-.816	0	%100
4	M68B	Z	-.471	-.471	0	%100
5	M25A	X	-.816	-.816	0	%100
6	M25A	Z	-.471	-.471	0	%100
7	M26A	X	-3.264	-3.264	0	%100
8	M26A	Z	-1.884	-1.884	0	%100
9	M25	X	-2.447	-2.447	0	%100
10	M25	Z	-1.413	-1.413	0	%100
11	M26	X	0	0	0	%100
12	M26	Z	0	0	0	%100
13	MP4A	X	-2.361	-2.361	0	%100
14	MP4A	Z	-1.363	-1.363	0	%100
15	MP3A	X	-2.361	-2.361	0	%100
16	MP3A	Z	-1.363	-1.363	0	%100
17	MP2A	X	-2.613	-2.613	0	%100
18	MP2A	Z	-1.509	-1.509	0	%100
19	MP1A	X	-2.361	-2.361	0	%100
20	MP1A	Z	-1.363	-1.363	0	%100
21	MP3C	X	-2.613	-2.613	0	%100
22	MP3C	Z	-1.509	-1.509	0	%100
23	MP2C	X	-2.613	-2.613	0	%100
24	MP2C	Z	-1.509	-1.509	0	%100
25	MP1C	X	-2.361	-2.361	0	%100
26	MP1C	Z	-1.363	-1.363	0	%100
27	MP3B	X	-2.361	-2.361	0	%100
28	MP3B	Z	-1.363	-1.363	0	%100
29	MP2B	X	-2.613	-2.613	0	%100
30	MP2B	Z	-1.509	-1.509	0	%100
31	MP1B	X	-2.361	-2.361	0	%100
32	MP1B	Z	-1.363	-1.363	0	%100
33	OVP	X	-2.361	-2.361	0	%100
34	OVP	Z	-1.363	-1.363	0	%100
35	M33	X	-3.058	-3.058	0	%100
36	M33	Z	-1.766	-1.766	0	%100
37	M34	X	-3.058	-3.058	0	%100
38	M34	Z	-1.766	-1.766	0	%100
39	M35	X	-1.69	-1.69	0	%100
40	M35	Z	-.976	-.976	0	%100
41	M36	X	-.653	-.653	0	%100
42	M36	Z	-.377	-.377	0	%100
43	MP4C	X	-2.361	-2.361	0	%100
44	MP4C	Z	-1.363	-1.363	0	%100
45	M39A	X	-.653	-.653	0	%100
46	M39A	Z	-.377	-.377	0	%100
47	MP4B	X	-2.361	-2.361	0	%100
48	MP4B	Z	-1.363	-1.363	0	%100
49	M43	X	-2.613	-2.613	0	%100
50	M43	Z	-1.509	-1.509	0	%100
51	M57	X	-.611	-.611	0	%100
52	M57	Z	-.353	-.353	0	%100
53	M58	X	-.611	-.611	0	%100
54	M58	Z	-.353	-.353	0	%100
55	M59	X	-2.445	-2.445	0	%100
56	M59	Z	-1.412	-1.412	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.471	-.471	0	%100
2	M4	Z	-.816	-.816	0	%100
3	M68B	X	-1.413	-1.413	0	%100
4	M68B	Z	-2.448	-2.448	0	%100
5	M25A	X	0	0	0	%100
6	M25A	Z	0	0	0	%100
7	M26A	X	-1.413	-1.413	0	%100
8	M26A	Z	-2.448	-2.448	0	%100
9	M25	X	-1.884	-1.884	0	%100
10	M25	Z	-3.263	-3.263	0	%100
11	M26	X	-.471	-.471	0	%100
12	M26	Z	-.816	-.816	0	%100
13	MP4A	X	-1.363	-1.363	0	%100
14	MP4A	Z	-2.361	-2.361	0	%100
15	MP3A	X	-1.363	-1.363	0	%100
16	MP3A	Z	-2.361	-2.361	0	%100
17	MP2A	X	-1.509	-1.509	0	%100
18	MP2A	Z	-2.613	-2.613	0	%100
19	MP1A	X	-1.363	-1.363	0	%100
20	MP1A	Z	-2.361	-2.361	0	%100
21	MP3C	X	-1.509	-1.509	0	%100
22	MP3C	Z	-2.613	-2.613	0	%100
23	MP2C	X	-1.509	-1.509	0	%100
24	MP2C	Z	-2.613	-2.613	0	%100
25	MP1C	X	-1.363	-1.363	0	%100
26	MP1C	Z	-2.361	-2.361	0	%100
27	MP3B	X	-1.363	-1.363	0	%100
28	MP3B	Z	-2.361	-2.361	0	%100
29	MP2B	X	-1.509	-1.509	0	%100
30	MP2B	Z	-2.613	-2.613	0	%100
31	MP1B	X	-1.363	-1.363	0	%100
32	MP1B	Z	-2.361	-2.361	0	%100
33	OVP	X	-1.363	-1.363	0	%100
34	OVP	Z	-2.361	-2.361	0	%100
35	M33	X	-1.239	-1.239	0	%100
36	M33	Z	-2.146	-2.146	0	%100
37	M34	X	-2.029	-2.029	0	%100
38	M34	Z	-3.515	-3.515	0	%100
39	M35	X	-1.239	-1.239	0	%100
40	M35	Z	-2.146	-2.146	0	%100
41	M36	X	-1.132	-1.132	0	%100
42	M36	Z	-1.96	-1.96	0	%100
43	MP4C	X	-1.363	-1.363	0	%100
44	MP4C	Z	-2.361	-2.361	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	0	0	0	%100
47	MP4B	X	-1.363	-1.363	0	%100
48	MP4B	Z	-2.361	-2.361	0	%100
49	M43	X	-1.132	-1.132	0	%100
50	M43	Z	-1.96	-1.96	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	-1.059	-1.059	0	%100
54	M58	Z	-1.834	-1.834	0	%100
55	M59	X	-1.059	-1.059	0	%100
56	M59	Z	-1.834	-1.834	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M68B	X	0	0	0	%100
4	M68B	Z	-.872	-.872	0	%100
5	M25A	X	0	0	0	%100
6	M25A	Z	-.218	-.218	0	%100
7	M26A	X	0	0	0	%100
8	M26A	Z	-.218	-.218	0	%100
9	M25	X	0	0	0	%100
10	M25	Z	-.654	-.654	0	%100
11	M26	X	0	0	0	%100
12	M26	Z	-.654	-.654	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	-.497	-.497	0	%100
15	MP3A	X	0	0	0	%100
16	MP3A	Z	-.497	-.497	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	-.602	-.602	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-.497	-.497	0	%100
21	MP3C	X	0	0	0	%100
22	MP3C	Z	-.602	-.602	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	-.602	-.602	0	%100
25	MP1C	X	0	0	0	%100
26	MP1C	Z	-.497	-.497	0	%100
27	MP3B	X	0	0	0	%100
28	MP3B	Z	-.497	-.497	0	%100
29	MP2B	X	0	0	0	%100
30	MP2B	Z	-.602	-.602	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	-.497	-.497	0	%100
33	OVP	X	0	0	0	%100
34	OVP	Z	-.497	-.497	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-.544	-.544	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	-.868	-.868	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	-.868	-.868	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	-.602	-.602	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	-.497	-.497	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	-.15	-.15	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	-.497	-.497	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	-.15	-.15	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	-.173	-.173	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	-.694	-.694	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	-.173	-.173	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.109	.109	0	%100
2	M4	Z	-.189	-.189	0	%100
3	M68B	X	.327	.327	0	%100
4	M68B	Z	-.566	-.566	0	%100
5	M25A	X	.327	.327	0	%100
6	M25A	Z	-.566	-.566	0	%100
7	M26A	X	0	0	0	%100
8	M26A	Z	0	0	0	%100
9	M25	X	.109	.109	0	%100
10	M25	Z	-.189	-.189	0	%100
11	M26	X	.436	.436	0	%100
12	M26	Z	-.755	-.755	0	%100
13	MP4A	X	.249	.249	0	%100
14	MP4A	Z	-.43	-.43	0	%100
15	MP3A	X	.249	.249	0	%100
16	MP3A	Z	-.43	-.43	0	%100
17	MP2A	X	.301	.301	0	%100
18	MP2A	Z	-.521	-.521	0	%100
19	MP1A	X	.249	.249	0	%100
20	MP1A	Z	-.43	-.43	0	%100
21	MP3C	X	.301	.301	0	%100
22	MP3C	Z	-.521	-.521	0	%100
23	MP2C	X	.301	.301	0	%100
24	MP2C	Z	-.521	-.521	0	%100
25	MP1C	X	.249	.249	0	%100
26	MP1C	Z	-.43	-.43	0	%100
27	MP3B	X	.249	.249	0	%100
28	MP3B	Z	-.43	-.43	0	%100
29	MP2B	X	.301	.301	0	%100
30	MP2B	Z	-.521	-.521	0	%100
31	MP1B	X	.249	.249	0	%100
32	MP1B	Z	-.43	-.43	0	%100
33	OVP	X	.249	.249	0	%100
34	OVP	Z	-.43	-.43	0	%100
35	M33	X	.326	.326	0	%100
36	M33	Z	-.565	-.565	0	%100
37	M34	X	.326	.326	0	%100
38	M34	Z	-.565	-.565	0	%100
39	M35	X	.488	.488	0	%100
40	M35	Z	-.846	-.846	0	%100
41	M36	X	.226	.226	0	%100
42	M36	Z	-.391	-.391	0	%100
43	MP4C	X	.249	.249	0	%100
44	MP4C	Z	-.43	-.43	0	%100
45	M39A	X	.226	.226	0	%100
46	M39A	Z	-.391	-.391	0	%100
47	MP4B	X	.249	.249	0	%100
48	MP4B	Z	-.43	-.43	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	0	0	0	%100
51	M57	X	.26	.26	0	%100
52	M57	Z	-.451	-.451	0	%100
53	M58	X	.26	.26	0	%100
54	M58	Z	-.451	-.451	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.566	.566	0	%100
2	M4	Z	-.327	-.327	0	%100
3	M68B	X	.189	.189	0	%100
4	M68B	Z	-.109	-.109	0	%100
5	M25A	X	.755	.755	0	%100
6	M25A	Z	-.436	-.436	0	%100
7	M26A	X	.189	.189	0	%100
8	M26A	Z	-.109	-.109	0	%100
9	M25	X	0	0	0	%100
10	M25	Z	0	0	0	%100
11	M26	X	.566	.566	0	%100
12	M26	Z	-.327	-.327	0	%100
13	MP4A	X	.43	.43	0	%100
14	MP4A	Z	-.249	-.249	0	%100
15	MP3A	X	.43	.43	0	%100
16	MP3A	Z	-.249	-.249	0	%100
17	MP2A	X	.521	.521	0	%100
18	MP2A	Z	-.301	-.301	0	%100
19	MP1A	X	.43	.43	0	%100
20	MP1A	Z	-.249	-.249	0	%100
21	MP3C	X	.521	.521	0	%100
22	MP3C	Z	-.301	-.301	0	%100
23	MP2C	X	.521	.521	0	%100
24	MP2C	Z	-.301	-.301	0	%100
25	MP1C	X	.43	.43	0	%100
26	MP1C	Z	-.249	-.249	0	%100
27	MP3B	X	.43	.43	0	%100
28	MP3B	Z	-.249	-.249	0	%100
29	MP2B	X	.521	.521	0	%100
30	MP2B	Z	-.301	-.301	0	%100
31	MP1B	X	.43	.43	0	%100
32	MP1B	Z	-.249	-.249	0	%100
33	OVP	X	.43	.43	0	%100
34	OVP	Z	-.249	-.249	0	%100
35	M33	X	.752	.752	0	%100
36	M33	Z	-.434	-.434	0	%100
37	M34	X	.471	.471	0	%100
38	M34	Z	-.272	-.272	0	%100
39	M35	X	.752	.752	0	%100
40	M35	Z	-.434	-.434	0	%100
41	M36	X	.13	.13	0	%100
42	M36	Z	-.075	-.075	0	%100
43	MP4C	X	.43	.43	0	%100
44	MP4C	Z	-.249	-.249	0	%100
45	M39A	X	.521	.521	0	%100
46	M39A	Z	-.301	-.301	0	%100
47	MP4B	X	.43	.43	0	%100
48	MP4B	Z	-.249	-.249	0	%100
49	M43	X	.13	.13	0	%100
50	M43	Z	-.075	-.075	0	%100
51	M57	X	.601	.601	0	%100
52	M57	Z	-.347	-.347	0	%100
53	M58	X	.15	.15	0	%100
54	M58	Z	-.087	-.087	0	%100
55	M59	X	.15	.15	0	%100
56	M59	Z	-.087	-.087	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.872	.872	0	%100
2	M4	Z	0	0	0	%100
3	M68B	X	0	0	0	%100
4	M68B	Z	0	0	0	%100
5	M25A	X	.654	.654	0	%100
6	M25A	Z	0	0	0	%100
7	M26A	X	.654	.654	0	%100
8	M26A	Z	0	0	0	%100
9	M25	X	.218	.218	0	%100
10	M25	Z	0	0	0	%100
11	M26	X	.218	.218	0	%100
12	M26	Z	0	0	0	%100
13	MP4A	X	.497	.497	0	%100
14	MP4A	Z	0	0	0	%100
15	MP3A	X	.497	.497	0	%100
16	MP3A	Z	0	0	0	%100
17	MP2A	X	.602	.602	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1A	X	.497	.497	0	%100
20	MP1A	Z	0	0	0	%100
21	MP3C	X	.602	.602	0	%100
22	MP3C	Z	0	0	0	%100
23	MP2C	X	.602	.602	0	%100
24	MP2C	Z	0	0	0	%100
25	MP1C	X	.497	.497	0	%100
26	MP1C	Z	0	0	0	%100
27	MP3B	X	.497	.497	0	%100
28	MP3B	Z	0	0	0	%100
29	MP2B	X	.602	.602	0	%100
30	MP2B	Z	0	0	0	%100
31	MP1B	X	.497	.497	0	%100
32	MP1B	Z	0	0	0	%100
33	OVP	X	.497	.497	0	%100
34	OVP	Z	0	0	0	%100
35	M33	X	.976	.976	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	.652	.652	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	.652	.652	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	0	0	0	%100
43	MP4C	X	.497	.497	0	%100
44	MP4C	Z	0	0	0	%100
45	M39A	X	.451	.451	0	%100
46	M39A	Z	0	0	0	%100
47	MP4B	X	.497	.497	0	%100
48	MP4B	Z	0	0	0	%100
49	M43	X	.451	.451	0	%100
50	M43	Z	0	0	0	%100
51	M57	X	.52	.52	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	.52	.52	0	%100
56	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.566	.566	0	%100
2	M4	Z	.327	.327	0	%100
3	M68B	X	.189	.189	0	%100
4	M68B	Z	.109	.109	0	%100
5	M25A	X	.189	.189	0	%100
6	M25A	Z	.109	.109	0	%100
7	M26A	X	.755	.755	0	%100
8	M26A	Z	.436	.436	0	%100
9	M25	X	.566	.566	0	%100
10	M25	Z	.327	.327	0	%100
11	M26	X	0	0	0	%100
12	M26	Z	0	0	0	%100
13	MP4A	X	.43	.43	0	%100
14	MP4A	Z	.249	.249	0	%100
15	MP3A	X	.43	.43	0	%100
16	MP3A	Z	.249	.249	0	%100
17	MP2A	X	.521	.521	0	%100
18	MP2A	Z	.301	.301	0	%100
19	MP1A	X	.43	.43	0	%100
20	MP1A	Z	.249	.249	0	%100
21	MP3C	X	.521	.521	0	%100
22	MP3C	Z	.301	.301	0	%100
23	MP2C	X	.521	.521	0	%100
24	MP2C	Z	.301	.301	0	%100
25	MP1C	X	.43	.43	0	%100
26	MP1C	Z	.249	.249	0	%100
27	MP3B	X	.43	.43	0	%100
28	MP3B	Z	.249	.249	0	%100
29	MP2B	X	.521	.521	0	%100
30	MP2B	Z	.301	.301	0	%100
31	MP1B	X	.43	.43	0	%100
32	MP1B	Z	.249	.249	0	%100
33	OVP	X	.43	.43	0	%100
34	OVP	Z	.249	.249	0	%100
35	M33	X	.752	.752	0	%100
36	M33	Z	.434	.434	0	%100
37	M34	X	.752	.752	0	%100
38	M34	Z	.434	.434	0	%100
39	M35	X	.471	.471	0	%100
40	M35	Z	.272	.272	0	%100
41	M36	X	.13	.13	0	%100
42	M36	Z	.075	.075	0	%100
43	MP4C	X	.43	.43	0	%100
44	MP4C	Z	.249	.249	0	%100
45	M39A	X	.13	.13	0	%100
46	M39A	Z	.075	.075	0	%100
47	MP4B	X	.43	.43	0	%100
48	MP4B	Z	.249	.249	0	%100
49	M43	X	.521	.521	0	%100
50	M43	Z	.301	.301	0	%100
51	M57	X	.15	.15	0	%100
52	M57	Z	.087	.087	0	%100
53	M58	X	.15	.15	0	%100
54	M58	Z	.087	.087	0	%100
55	M59	X	.601	.601	0	%100
56	M59	Z	.347	.347	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.109	.109	0	%100
2	M4	Z	.189	.189	0	%100
3	M68B	X	.327	.327	0	%100
4	M68B	Z	.566	.566	0	%100
5	M25A	X	0	0	0	%100
6	M25A	Z	0	0	0	%100
7	M26A	X	.327	.327	0	%100
8	M26A	Z	.566	.566	0	%100
9	M25	X	.436	.436	0	%100
10	M25	Z	.755	.755	0	%100
11	M26	X	.109	.109	0	%100
12	M26	Z	.189	.189	0	%100
13	MP4A	X	.249	.249	0	%100
14	MP4A	Z	.43	.43	0	%100
15	MP3A	X	.249	.249	0	%100
16	MP3A	Z	.43	.43	0	%100
17	MP2A	X	.301	.301	0	%100
18	MP2A	Z	.521	.521	0	%100
19	MP1A	X	.249	.249	0	%100
20	MP1A	Z	.43	.43	0	%100
21	MP3C	X	.301	.301	0	%100
22	MP3C	Z	.521	.521	0	%100
23	MP2C	X	.301	.301	0	%100
24	MP2C	Z	.521	.521	0	%100
25	MP1C	X	.249	.249	0	%100
26	MP1C	Z	.43	.43	0	%100
27	MP3B	X	.249	.249	0	%100
28	MP3B	Z	.43	.43	0	%100
29	MP2B	X	.301	.301	0	%100
30	MP2B	Z	.521	.521	0	%100
31	MP1B	X	.249	.249	0	%100
32	MP1B	Z	.43	.43	0	%100
33	OVP	X	.249	.249	0	%100
34	OVP	Z	.43	.43	0	%100
35	M33	X	.326	.326	0	%100
36	M33	Z	.565	.565	0	%100
37	M34	X	.488	.488	0	%100
38	M34	Z	.846	.846	0	%100
39	M35	X	.326	.326	0	%100
40	M35	Z	.565	.565	0	%100
41	M36	X	.226	.226	0	%100
42	M36	Z	.391	.391	0	%100
43	MP4C	X	.249	.249	0	%100
44	MP4C	Z	.43	.43	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	0	0	0	%100
47	MP4B	X	.249	.249	0	%100
48	MP4B	Z	.43	.43	0	%100
49	M43	X	.226	.226	0	%100
50	M43	Z	.391	.391	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	.26	.26	0	%100
54	M58	Z	.451	.451	0	%100
55	M59	X	.26	.26	0	%100
56	M59	Z	.451	.451	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M68B	X	0	0	0	%100
4	M68B	Z	.872	.872	0	%100
5	M25A	X	0	0	0	%100
6	M25A	Z	.218	.218	0	%100
7	M26A	X	0	0	0	%100
8	M26A	Z	.218	.218	0	%100
9	M25	X	0	0	0	%100
10	M25	Z	.654	.654	0	%100
11	M26	X	0	0	0	%100
12	M26	Z	.654	.654	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	.497	.497	0	%100
15	MP3A	X	0	0	0	%100
16	MP3A	Z	.497	.497	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	.602	.602	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	.497	.497	0	%100
21	MP3C	X	0	0	0	%100
22	MP3C	Z	.602	.602	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	.602	.602	0	%100
25	MP1C	X	0	0	0	%100
26	MP1C	Z	.497	.497	0	%100
27	MP3B	X	0	0	0	%100
28	MP3B	Z	.497	.497	0	%100
29	MP2B	X	0	0	0	%100
30	MP2B	Z	.602	.602	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	.497	.497	0	%100
33	OVP	X	0	0	0	%100
34	OVP	Z	.497	.497	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	.544	.544	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	.868	.868	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	.868	.868	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	.602	.602	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	.497	.497	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	.15	.15	0	%100
47	MP4B	X	0	0	0	%100
48	MP4B	Z	.497	.497	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	.15	.15	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	.173	.173	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	.694	.694	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	.173	.173	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.109	-.109	0	%100
2	M4	Z	.189	.189	0	%100
3	M68B	X	-.327	-.327	0	%100
4	M68B	Z	.566	.566	0	%100
5	M25A	X	-.327	-.327	0	%100
6	M25A	Z	.566	.566	0	%100
7	M26A	X	0	0	0	%100
8	M26A	Z	0	0	0	%100
9	M25	X	-.109	-.109	0	%100
10	M25	Z	.189	.189	0	%100
11	M26	X	-.436	-.436	0	%100
12	M26	Z	.755	.755	0	%100
13	MP4A	X	-.249	-.249	0	%100
14	MP4A	Z	.43	.43	0	%100
15	MP3A	X	-.249	-.249	0	%100
16	MP3A	Z	.43	.43	0	%100
17	MP2A	X	-.301	-.301	0	%100
18	MP2A	Z	.521	.521	0	%100
19	MP1A	X	-.249	-.249	0	%100
20	MP1A	Z	.43	.43	0	%100
21	MP3C	X	-.301	-.301	0	%100
22	MP3C	Z	.521	.521	0	%100
23	MP2C	X	-.301	-.301	0	%100
24	MP2C	Z	.521	.521	0	%100
25	MP1C	X	-.249	-.249	0	%100
26	MP1C	Z	.43	.43	0	%100
27	MP3B	X	-.249	-.249	0	%100
28	MP3B	Z	.43	.43	0	%100
29	MP2B	X	-.301	-.301	0	%100
30	MP2B	Z	.521	.521	0	%100
31	MP1B	X	-.249	-.249	0	%100
32	MP1B	Z	.43	.43	0	%100
33	OVP	X	-.249	-.249	0	%100
34	OVP	Z	.43	.43	0	%100
35	M33	X	-.326	-.326	0	%100
36	M33	Z	.565	.565	0	%100
37	M34	X	-.326	-.326	0	%100
38	M34	Z	.565	.565	0	%100
39	M35	X	-.488	-.488	0	%100
40	M35	Z	.846	.846	0	%100
41	M36	X	-.226	-.226	0	%100
42	M36	Z	.391	.391	0	%100
43	MP4C	X	-.249	-.249	0	%100
44	MP4C	Z	.43	.43	0	%100
45	M39A	X	-.226	-.226	0	%100
46	M39A	Z	.391	.391	0	%100
47	MP4B	X	-.249	-.249	0	%100
48	MP4B	Z	.43	.43	0	%100
49	M43	X	0	0	0	%100
50	M43	Z	0	0	0	%100
51	M57	X	-.26	-.26	0	%100
52	M57	Z	.451	.451	0	%100
53	M58	X	-.26	-.26	0	%100
54	M58	Z	.451	.451	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.566	-.566	0	%100
2	M4	Z	.327	.327	0	%100
3	M68B	X	-.189	-.189	0	%100
4	M68B	Z	.109	.109	0	%100
5	M25A	X	-.755	-.755	0	%100
6	M25A	Z	.436	.436	0	%100
7	M26A	X	-.189	-.189	0	%100
8	M26A	Z	.109	.109	0	%100
9	M25	X	0	0	0	%100
10	M25	Z	0	0	0	%100
11	M26	X	-.566	-.566	0	%100
12	M26	Z	.327	.327	0	%100
13	MP4A	X	-.43	-.43	0	%100
14	MP4A	Z	.249	.249	0	%100
15	MP3A	X	-.43	-.43	0	%100
16	MP3A	Z	.249	.249	0	%100
17	MP2A	X	-.521	-.521	0	%100
18	MP2A	Z	.301	.301	0	%100
19	MP1A	X	-.43	-.43	0	%100
20	MP1A	Z	.249	.249	0	%100
21	MP3C	X	-.521	-.521	0	%100
22	MP3C	Z	.301	.301	0	%100
23	MP2C	X	-.521	-.521	0	%100
24	MP2C	Z	.301	.301	0	%100
25	MP1C	X	-.43	-.43	0	%100
26	MP1C	Z	.249	.249	0	%100
27	MP3B	X	-.43	-.43	0	%100
28	MP3B	Z	.249	.249	0	%100
29	MP2B	X	-.521	-.521	0	%100
30	MP2B	Z	.301	.301	0	%100
31	MP1B	X	-.43	-.43	0	%100
32	MP1B	Z	.249	.249	0	%100
33	OVP	X	-.43	-.43	0	%100
34	OVP	Z	.249	.249	0	%100
35	M33	X	-.752	-.752	0	%100
36	M33	Z	.434	.434	0	%100
37	M34	X	-.471	-.471	0	%100
38	M34	Z	.272	.272	0	%100
39	M35	X	-.752	-.752	0	%100
40	M35	Z	.434	.434	0	%100
41	M36	X	-.13	-.13	0	%100
42	M36	Z	.075	.075	0	%100
43	MP4C	X	-.43	-.43	0	%100
44	MP4C	Z	.249	.249	0	%100
45	M39A	X	-.521	-.521	0	%100
46	M39A	Z	.301	.301	0	%100
47	MP4B	X	-.43	-.43	0	%100
48	MP4B	Z	.249	.249	0	%100
49	M43	X	-.13	-.13	0	%100
50	M43	Z	.075	.075	0	%100
51	M57	X	-.601	-.601	0	%100
52	M57	Z	.347	.347	0	%100
53	M58	X	-.15	-.15	0	%100
54	M58	Z	.087	.087	0	%100
55	M59	X	-.15	-.15	0	%100
56	M59	Z	.087	.087	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.872	-.872	0	%100
2	M4	Z	0	0	0	%100
3	M68B	X	0	0	0	%100
4	M68B	Z	0	0	0	%100
5	M25A	X	-.654	-.654	0	%100
6	M25A	Z	0	0	0	%100
7	M26A	X	-.654	-.654	0	%100
8	M26A	Z	0	0	0	%100
9	M25	X	-.218	-.218	0	%100
10	M25	Z	0	0	0	%100
11	M26	X	-.218	-.218	0	%100
12	M26	Z	0	0	0	%100
13	MP4A	X	-.497	-.497	0	%100
14	MP4A	Z	0	0	0	%100
15	MP3A	X	-.497	-.497	0	%100
16	MP3A	Z	0	0	0	%100
17	MP2A	X	-.602	-.602	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1A	X	-.497	-.497	0	%100
20	MP1A	Z	0	0	0	%100
21	MP3C	X	-.602	-.602	0	%100
22	MP3C	Z	0	0	0	%100
23	MP2C	X	-.602	-.602	0	%100
24	MP2C	Z	0	0	0	%100
25	MP1C	X	-.497	-.497	0	%100
26	MP1C	Z	0	0	0	%100
27	MP3B	X	-.497	-.497	0	%100
28	MP3B	Z	0	0	0	%100
29	MP2B	X	-.602	-.602	0	%100
30	MP2B	Z	0	0	0	%100
31	MP1B	X	-.497	-.497	0	%100
32	MP1B	Z	0	0	0	%100
33	OVP	X	-.497	-.497	0	%100
34	OVP	Z	0	0	0	%100
35	M33	X	-.976	-.976	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	-.652	-.652	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	-.652	-.652	0	%100
40	M35	Z	0	0	0	%100
41	M36	X	0	0	0	%100
42	M36	Z	0	0	0	%100
43	MP4C	X	-.497	-.497	0	%100
44	MP4C	Z	0	0	0	%100
45	M39A	X	-.451	-.451	0	%100
46	M39A	Z	0	0	0	%100
47	MP4B	X	-.497	-.497	0	%100
48	MP4B	Z	0	0	0	%100
49	M43	X	-.451	-.451	0	%100
50	M43	Z	0	0	0	%100
51	M57	X	-.52	-.52	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	-.52	-.52	0	%100
56	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.566	-.566	0	%100
2	M4	Z	-.327	-.327	0	%100
3	M68B	X	-.189	-.189	0	%100
4	M68B	Z	-.109	-.109	0	%100
5	M25A	X	-.189	-.189	0	%100
6	M25A	Z	-.109	-.109	0	%100
7	M26A	X	-.755	-.755	0	%100
8	M26A	Z	-.436	-.436	0	%100
9	M25	X	-.566	-.566	0	%100
10	M25	Z	-.327	-.327	0	%100
11	M26	X	0	0	0	%100
12	M26	Z	0	0	0	%100
13	MP4A	X	-.43	-.43	0	%100
14	MP4A	Z	-.249	-.249	0	%100
15	MP3A	X	-.43	-.43	0	%100
16	MP3A	Z	-.249	-.249	0	%100
17	MP2A	X	-.521	-.521	0	%100
18	MP2A	Z	-.301	-.301	0	%100
19	MP1A	X	-.43	-.43	0	%100
20	MP1A	Z	-.249	-.249	0	%100
21	MP3C	X	-.521	-.521	0	%100
22	MP3C	Z	-.301	-.301	0	%100
23	MP2C	X	-.521	-.521	0	%100
24	MP2C	Z	-.301	-.301	0	%100
25	MP1C	X	-.43	-.43	0	%100
26	MP1C	Z	-.249	-.249	0	%100
27	MP3B	X	-.43	-.43	0	%100
28	MP3B	Z	-.249	-.249	0	%100
29	MP2B	X	-.521	-.521	0	%100
30	MP2B	Z	-.301	-.301	0	%100
31	MP1B	X	-.43	-.43	0	%100
32	MP1B	Z	-.249	-.249	0	%100
33	OVP	X	-.43	-.43	0	%100
34	OVP	Z	-.249	-.249	0	%100
35	M33	X	-.752	-.752	0	%100
36	M33	Z	-.434	-.434	0	%100
37	M34	X	-.752	-.752	0	%100
38	M34	Z	-.434	-.434	0	%100
39	M35	X	-.471	-.471	0	%100
40	M35	Z	-.272	-.272	0	%100
41	M36	X	-.13	-.13	0	%100
42	M36	Z	-.075	-.075	0	%100
43	MP4C	X	-.43	-.43	0	%100
44	MP4C	Z	-.249	-.249	0	%100
45	M39A	X	-.13	-.13	0	%100
46	M39A	Z	-.075	-.075	0	%100
47	MP4B	X	-.43	-.43	0	%100
48	MP4B	Z	-.249	-.249	0	%100
49	M43	X	-.521	-.521	0	%100
50	M43	Z	-.301	-.301	0	%100
51	M57	X	-.15	-.15	0	%100
52	M57	Z	-.087	-.087	0	%100
53	M58	X	-.15	-.15	0	%100
54	M58	Z	-.087	-.087	0	%100
55	M59	X	-.601	-.601	0	%100
56	M59	Z	-.347	-.347	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.109	-.109	0	%100
2	M4	Z	-.189	-.189	0	%100
3	M68B	X	-.327	-.327	0	%100
4	M68B	Z	-.566	-.566	0	%100
5	M25A	X	0	0	0	%100
6	M25A	Z	0	0	0	%100
7	M26A	X	-.327	-.327	0	%100
8	M26A	Z	-.566	-.566	0	%100
9	M25	X	-.436	-.436	0	%100
10	M25	Z	-.755	-.755	0	%100
11	M26	X	-.109	-.109	0	%100
12	M26	Z	-.189	-.189	0	%100
13	MP4A	X	-.249	-.249	0	%100
14	MP4A	Z	-.43	-.43	0	%100
15	MP3A	X	-.249	-.249	0	%100
16	MP3A	Z	-.43	-.43	0	%100
17	MP2A	X	-.301	-.301	0	%100
18	MP2A	Z	-.521	-.521	0	%100
19	MP1A	X	-.249	-.249	0	%100
20	MP1A	Z	-.43	-.43	0	%100
21	MP3C	X	-.301	-.301	0	%100
22	MP3C	Z	-.521	-.521	0	%100
23	MP2C	X	-.301	-.301	0	%100
24	MP2C	Z	-.521	-.521	0	%100
25	MP1C	X	-.249	-.249	0	%100
26	MP1C	Z	-.43	-.43	0	%100
27	MP3B	X	-.249	-.249	0	%100
28	MP3B	Z	-.43	-.43	0	%100
29	MP2B	X	-.301	-.301	0	%100
30	MP2B	Z	-.521	-.521	0	%100
31	MP1B	X	-.249	-.249	0	%100
32	MP1B	Z	-.43	-.43	0	%100
33	OVP	X	-.249	-.249	0	%100
34	OVP	Z	-.43	-.43	0	%100
35	M33	X	-.326	-.326	0	%100
36	M33	Z	-.565	-.565	0	%100
37	M34	X	-.488	-.488	0	%100
38	M34	Z	-.846	-.846	0	%100
39	M35	X	-.326	-.326	0	%100
40	M35	Z	-.565	-.565	0	%100
41	M36	X	-.226	-.226	0	%100
42	M36	Z	-.391	-.391	0	%100
43	MP4C	X	-.249	-.249	0	%100
44	MP4C	Z	-.43	-.43	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	0	0	0	%100
47	MP4B	X	-.249	-.249	0	%100
48	MP4B	Z	-.43	-.43	0	%100
49	M43	X	-.226	-.226	0	%100
50	M43	Z	-.391	-.391	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	-.26	-.26	0	%100
54	M58	Z	-.451	-.451	0	%100
55	M59	X	-.26	-.26	0	%100
56	M59	Z	-.451	-.451	0	%100

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M25	Y	-46.125	-46.125	4.303	6.58
2	M26	Y	-46.125	-46.125	4.303	6.58
3	M4	Y	-46.125	-46.125	4.303	6.58

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M25	Y	-56.375	-56.375	4.303	6.58
2	M26	Y	-56.375	-56.375	4.303	6.58
3	M4	Y	-56.375	-56.375	4.303	6.58

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N80	N77A	N111	N112	Y	A-B	-.009
2	N78	N80	N115	N116	Y	A-B	-.009
3	N77A	N78	N113	N114	Y	A-B	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N80	N77A	N111	N112	Y	A-B	-.011
2	N78	N80	N115	N116	Y	A-B	-.011
3	N77A	N78	N113	N114	Y	A-B	-.011

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	694.252	10	95.015	7	5123.034	1	.082	1	1.571	4	.781	4
2		min	-693.995	4	-422.304	1	-2404.566	7	-.612	19	-1.575	10	-.714	10
3	N64	max	4243.292	9	-18.886	3	1114.437	3	.362	23	1.271	12	.519	20
4		min	-1978.018	3	-538.217	21	-2418.094	9	-.068	5	-1.268	6	.013	2
5	N67	max	1897.627	11	-25.493	11	1145.171	11	.345	3	1.443	8	-.022	12
6		min	-4295.413	5	-573.166	17	-2532.03	5	-.091	9	-1.446	2	-.596	18
7	N75A	max	34.912	10	3306.997	13	-1087.253	7	0	51	0	8	0	2
8		min	-34.902	4	766.714	7	-4667.209	13	0	1	0	2	0	8
9	N77B	max	-953.932	3	3208.429	21	2262.807	21	0	10	0	4	0	4
10		min	-3919.374	21	776.669	3	550.805	3	0	4	0	10	0	10
11	N79	max	4065.183	17	3325.766	17	2347.22	17	0	4	0	4	0	4
12		min	1004.438	11	817.216	11	579.663	11	0	10	0	10	0	10
13	Totals:	max	4784.803	10	8009.59	14	4743.604	1						
14		min	-4784.801	4	3850.981	8	-4743.605	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*...	phi*...	phi*...	...	Eqn
1	OVP	PIPE_...	.429	6.5	7	.017	6.5		7	14916.096	32130	1.872	1.872	1	H1-...
2	MP3B	PIPE_...	.272	4.093	2	.059	4.093		12	13396.736	32130	1.872	1.872	...	H1-...
3	MP3A	PIPE_...	.268	4.093	10	.056	4.093		9	13396.736	32130	1.872	1.872	...	H1-...
4	MP2B	PIPE_...	.261	4.167	8	.098	4.167		10	30038.461	50715	3.596	3.596	...	H1-...
5	MP2A	PIPE_...	.260	4.167	4	.086	4.167		4	30038.461	50715	3.596	3.596	...	H1-...
6	MP2C	PIPE_...	.252	4.167	12	.085	4.167		12	30038.461	50715	3.596	3.596	...	H1-...
7	MP1A	PIPE_...	.247	4.093	4	.060	4.093		5	13396.736	32130	1.872	1.872	...	H1-...
8	MP1B	PIPE_...	.245	4.093	8	.058	4.093		9	13396.736	32130	1.872	1.872	...	H1-...
9	MP1C	PIPE_...	.243	4.093	12	.060	4.093		2	13396.736	32130	1.872	1.872	...	H1-...
10	M26	HSS4X...	.229	6.508	20	.071	4.339	y	19	104348.494	1395...	16.1...	16.1...	...	H1-...

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*...	phi*...	phi*...	...	Eqn
11	M4	HSS4X...	.229	6.508	22	.075	0	z	4	104348.494	1395...	16.1...	16.1...	...	H1-...
12	M25	HSS4X...	.224	6.508	24	.068	4.339	y	23	104348.494	1395...	16.1...	16.1...	...	H1-...
13	M59	L3X3X4	.216	0	7	.023	0	y	2	44848.137	46656	1.688	3.756	...	H2-1
14	MP3C	PIPE_...	.214	4.093	6	.048	4.093		5	27914.715	50715	3.596	3.596	...	H1-...
15	M58	L3X3X4	.206	1.336	11	.024	0	y	10	44848.137	46656	1.688	3.756	...	H2-1
16	MP4B	PIPE_...	.200	4.093	2	.059	4.093		1	13396.736	32130	1.872	1.872	...	H1-...
17	MP4A	PIPE_...	.198	4.093	10	.057	4.093		9	13396.736	32130	1.872	1.872	...	H1-...
18	M57	L3X3X4	.196	1.336	7	.024	1.294	y	6	44848.137	46656	1.688	3.756	...	H2-1
19	M68B	HSS4X...	.167	14.194	13	.042	0	z	7	60040.562	1395...	16.1...	16.1...	...	H1-...
20	MP4C	PIPE_...	.163	4.093	6	.050	4.093		5	13396.736	32130	1.872	1.872	...	H1-...
21	M25A	HSS4X...	.162	14.194	21	.047	0	z	3	60040.562	1395...	16.1...	16.1...	...	H1-...
22	M26A	HSS4X...	.161	14.194	17	.043	0	z	11	60040.562	1395...	16.1...	16.1...	...	H1-...
23	M36	PIPE_...	.124	8.26	6	.051	12.323		6	13460.366	50715	3.596	3.596	...	H1-...
24	M43	PIPE_...	.122	8.125	12	.046	12.323		10	13460.366	50715	3.596	3.596	...	H1-...
25	M39A	PIPE_...	.121	8.26	3	.044	12.323		2	13460.366	50715	3.596	3.596	...	H1-...
26	M35	LL3x3x...	.121	5.246	17	.003	5.246	y	4	47574.897	70632	5.543	3.751	1	H1-...
27	M33	LL3x3x...	.120	5.246	13	.003	0	y	2	47574.897	70632	5.543	3.751	1	H1-...
28	M34	LL3x3x...	.117	5.246	21	.003	0	y	10	47574.897	70632	5.543	3.751	1	H1-...

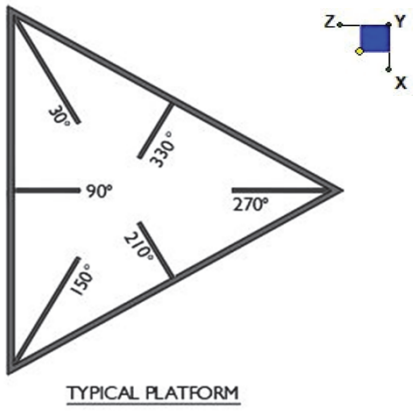
Client:	Verizon	Date:	6/29/2021
Site Name:	Barkhamsted W CT		
Project No.	21777223A		
Title:	Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

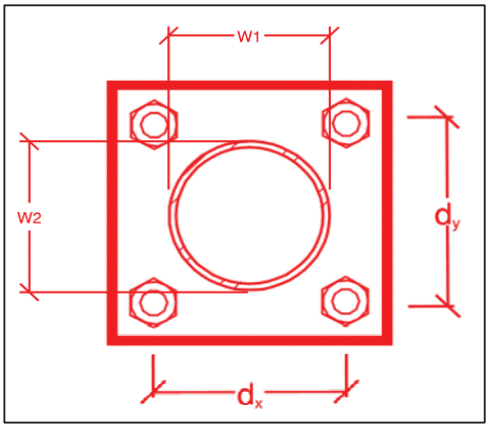
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N64	30
N67	150
N3	270



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)* :	4
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7.5
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	10.8
Required Shear Strength (kips):	5.4
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**13.1%***
Shear Capacity Overall:	**10.9%**



**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):	6
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
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):	1.04
Plate Bending Capacity:	**42.2%**
Weld Capacity:	**18.7%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	5.1
$Phi*Mn_{xx}$ *(kip-in)* :	12.2
Mu_{yy} *(kip-in)* :	0.0
$Phi*Mn_{yy}$ *(kip-in)* :	20.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Purpose – to provide Maser Consulting 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 modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting 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 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 modifications. Each entire sector must be in one photo to show in the inter-connection of members.
        - 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
    - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
    - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
    - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
    - 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.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Maser Consulting.
    - If the drawings are as specified on the drawings
        - The contractor should provide the packing list or the materials utilized to perform the mount modification
    - If an equivalent is utilized
        - It is required that the Maser Consulting certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

☐ The Material utilized was as specified on the Maser Consulting Mount Modification Drawings and included in the Material certification folder is a packing list or invoice for these materials

☐ The material utilized was an "equivalent" and included as part of the contractor submission is the Maser Consulting certification, invoices, or specifications validating accepted status

Certifying Individual: Company _____

Name _____

Signature _____

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 Mod Drawings:

Issue:

Contractor shall install the new OVP on the existing mount pipe on the standoff horizontal supporting the beta and gamma sector.

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

Structure: 468464-VZW - BARKHAMSTED W CT

Sector: **A** 6/29/2021

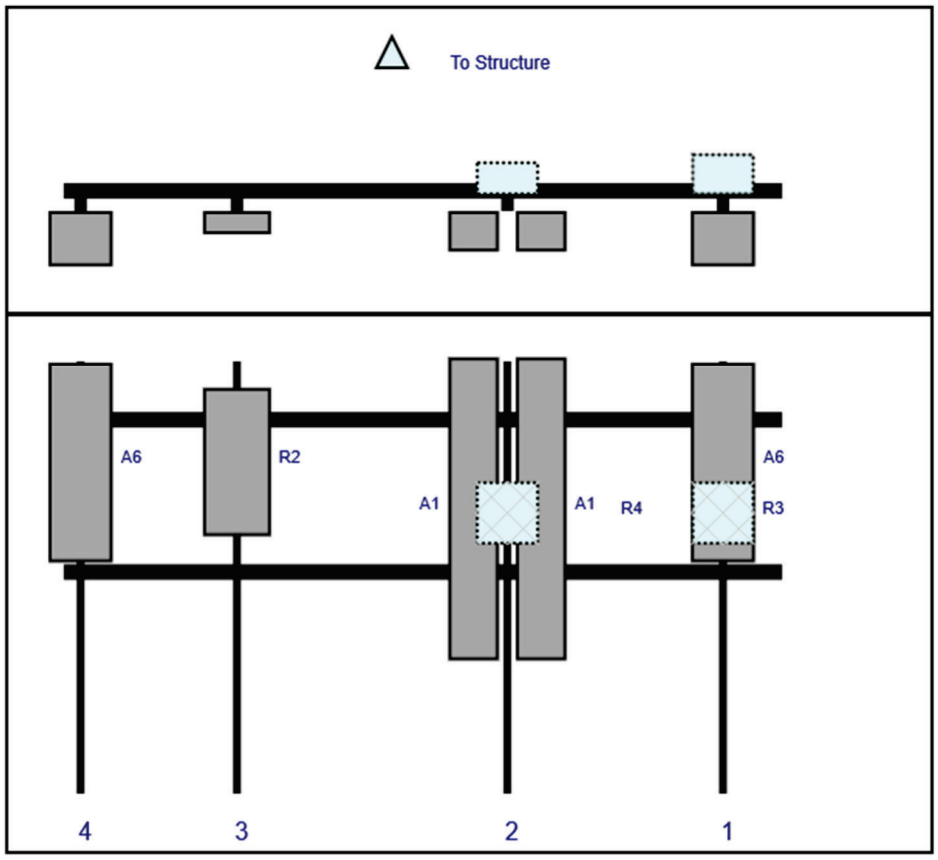
Structure Type: Monopole 10068723

Mount Elev: 142.80 Page: 1

MASER CONSULTING CONNECTICUT

Plan View

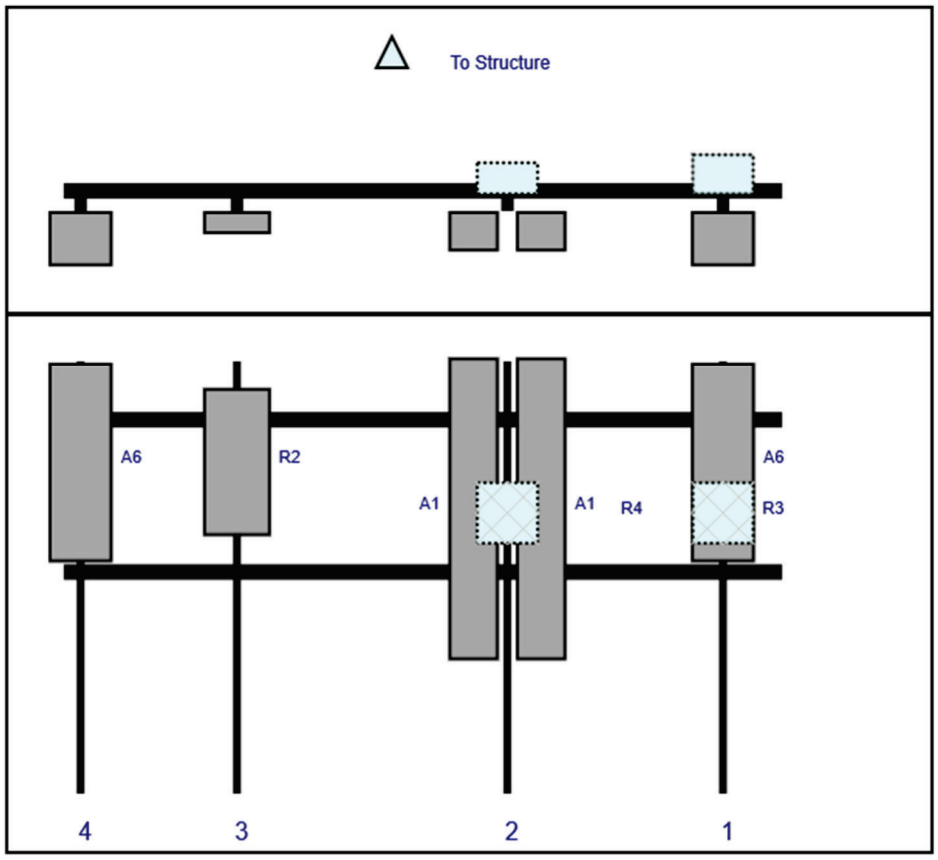
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	QS6656-5D	72	12	105	2	a	Front	35.04	8	Added	
A1	QS6656-5D	72	12	105	2	b	Front	35.04	-8	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	105	2	a	Behind	36	0	Added	
R2	MT6407-77A	35.1	16.1	41	3	a	Front	24	0	Added	
A6	LPA-80063/4CF	47.4	15.2	4	4	a	Front	24	0	Retained	03/30/2021
A6	LPA-80063/4CF	47.4	15.2	156	1	a	Front	24	0	Retained	03/30/2021
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	156	1	a	Behind	36	0	Added	

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA-80063/4CF	47.4	15.2	156	1	a	Front	24	0	Retained	03/30/2021
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	156	1	a	Behind	36	0	Added	
A1	QS6656-5D	72	12	105	2	a	Front	35.04	8	Added	
A1	QS6656-5D	72	12	105	2	b	Front	35.04	-8	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	105	2	a	Behind	36	0	Added	
R2	MT6407-77A	35.1	16.1	41	3	a	Front	24	0	Added	
A6	LPA-80063/4CF	47.4	15.2	4	4	a	Front	24	0	Retained	03/30/2021

Structure: 468464-VZW - BARKHAMSTED W CT

Sector: **C** 6/29/2021

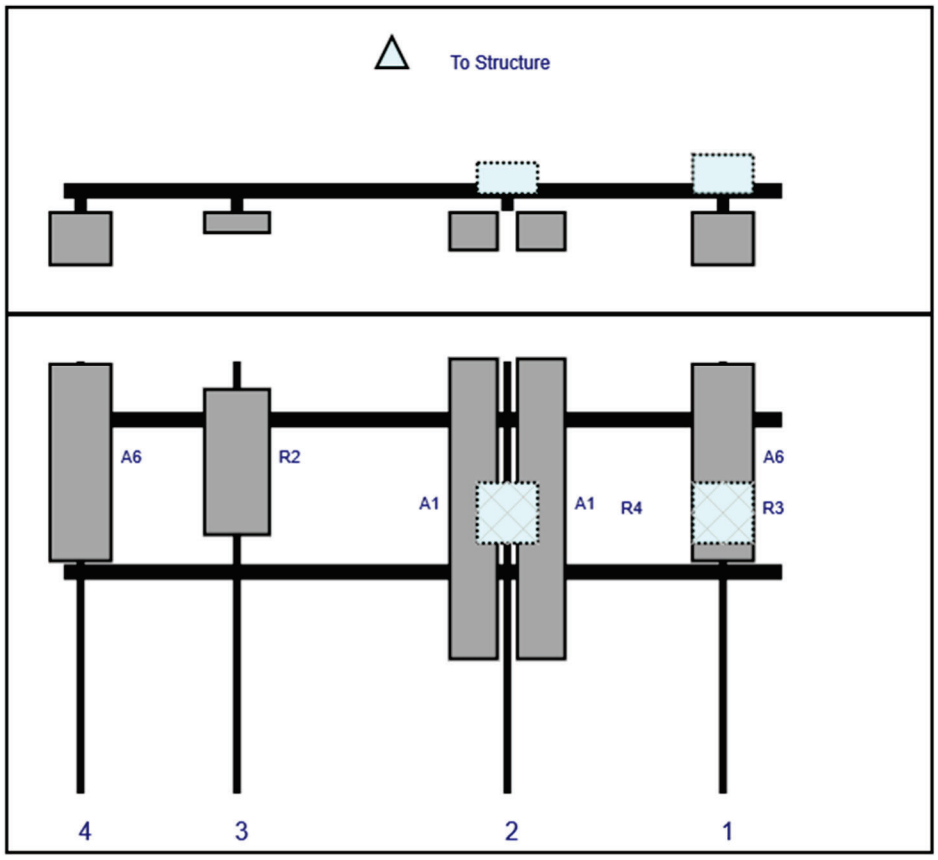
Structure Type: Monopole 10068723

Mount Elev: 142.80

MASER CONSULTING CONNECTICUT

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
A6	LPA-80063/4CF	47.4	15.2	156	1	a	Front	24	0	Retained	03/30/2021
R3	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	156	1	a	Behind	36	0	Added	
A1	QS6656-5D	72	12	105	2	a	Front	35.04	8	Added	
A1	QS6656-5D	72	12	105	2	b	Front	35.04	-8	Added	
R4	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	105	2	a	Behind	36	0	Added	
R2	MT6407-77A	35.1	16.1	41	3	a	Front	24	0	Added	
A6	LPA-80063/4CF	47.4	15.2	4	4	a	Front	24	0	Retained	03/30/2021

Maser Consulting Connecticut

MASER CONSULTING — CONNECTICUT —

Subject:	*TIA-222-H Usage*	
Site Information	*Site ID:*	*468464-VZW / BARKHAMSTED W CT*
	Site Name:	*BARKHAMSTED W CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*5 Old Farm Road* *Barkhamsted, Connecticut 06057* *Litchfield County*
	Latitude:	*41.914525°*
	Longitude:	*-73.022331°*
Structure Information	*Tower Type:*	*147-Ft Monopole*
	Mount Type:	*14.17-Ft Platform*

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 2021 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: ***BARKHAMSTED W 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	460	1840	145	0.0031	0.5007	0.63%
VZW CDMA	878.49	2	408	817	145	0.0014	0.5857	0.24%
VZW Cellular	874	4	528	2113	145	0.0036	0.5827	0.62%
VZW PCS	1975	4	1705	6821	145	0.0117	1.0000	1.17%
VZW AWS	2120	4	1874	7497	145	0.0128	1.0000	1.28%
VZW CBAND	3730.08	4	6531	26125	145	0.0447	1.0000	4.47%
Total Percentage of Maximum Permissible Exposure								8.40%

*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

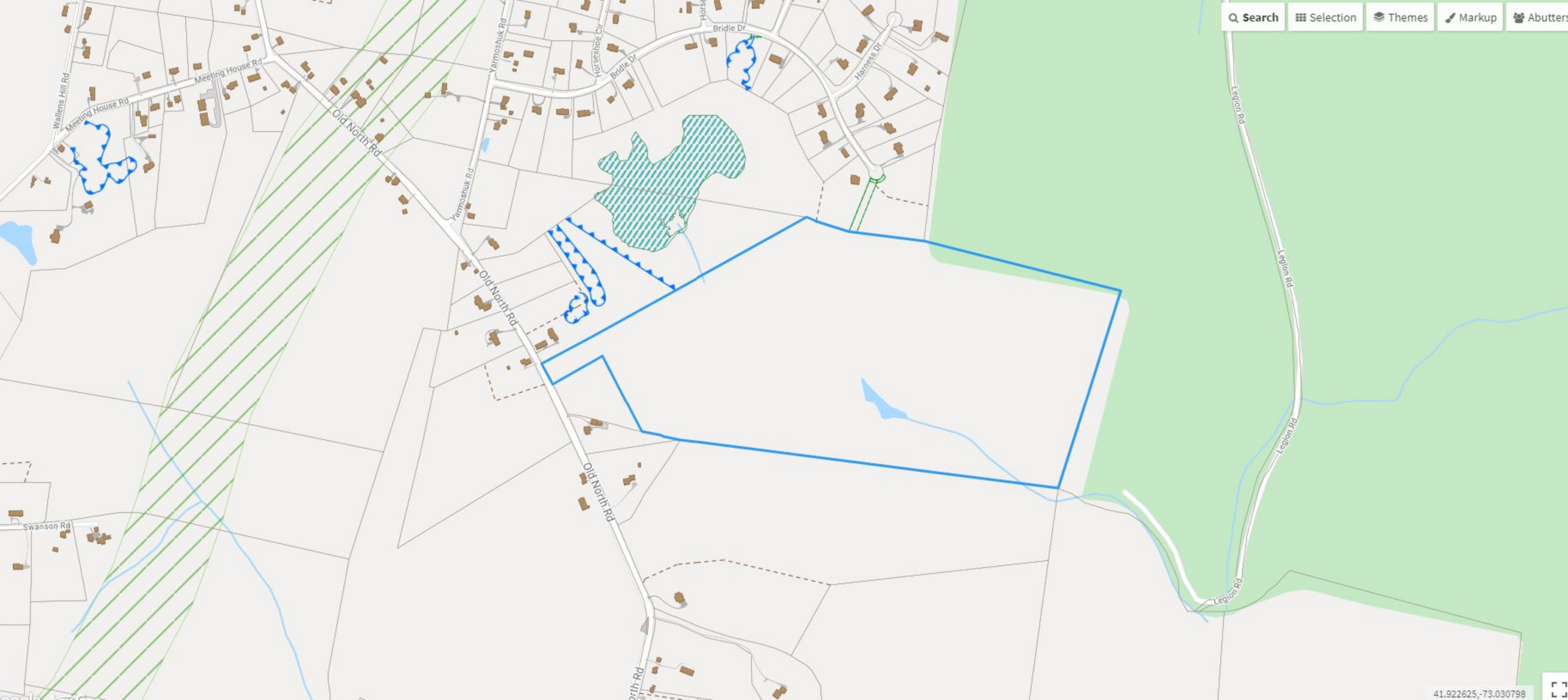
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.


Search
Selection
Themes
Markup
Abutters
Meeting House Rd
Wallens Hill Rd
Old North Rd
Yarmoshuk Rd
Horseshoe Cir
Bridle Dr
Harness Dr
Legion Rd
Swanson Rd
41.922625,-73.030798

Property Location 142 OLD NORTH RD | Map ID 20/ 12/ 16A/ / | Bldg Name | State Use 610
Vision ID 500 | Account # 00049900 | Bldg # 1 | Sec # 1 of 1 | Card # 1 of 1 | Print Date 2/4/2021 12:02:31 PM

CURRENT OWNER

LAVIERI JOHN P

PO BOX 559

NEW HARTFORD CT 06057-0559

TOPO	UTILITIES	STRT / ROAD	LOCATION
1 Level			

SUPPLEMENTAL DATA

Alt Prcl ID 20-12-16A	DV Lot # N/F LAVIERI
B.P. Status	Solar Ener
Census Tr.	BAA
Interior	Callback
100 Yr Flo	PA490 Dat
DV Map # 890	
GIS ID	Assoc Pid#

CURRENT ASSESSMENT

Description	Code	Appraised	Assessed
FOREST	6-2	423,220	18,950
		Total 423,220	18,950

6005

BARKHAMSTED, CT

VISION

RECORD OF OWNERSHIP

BK-VOL/PAGE		SALE DATE	Q/U	V/I	SALE PRICE	VC
LAVIERI JOHN P	0079	0890	08-04-1988		V	0	

PREVIOUS ASSESSMENTS (HISTORY)

Year	Code	Assessed	Year	Code	Assessed	Year	Code	Assessed
2020	6-2	18,950	2019	6-2	18,950	2018	6-2	18,950
	Total	18950		Total	18950		Total	18950

EXEMPTIONS

Year	Code	Description	Amount
		Total	0.00

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm Int

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

Nbhd	Nbhd Name	Street Index Name	Tracing	Batch
0001				

NOTES

2009 PA490

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	0
Appraised Xf (B) Value (Bldg)	0
Appraised Ob (B) Value (Bldg)	0
Appraised Land Value (Card)	423,220
Total Appraised Parcel Value	423,220
Valuation Method	C
Total Appraised Parcel Value	423,220

BUILDING PERMIT RECORD

Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments

VISIT / CHANGE HISTORY

Date	Id	Type	Is	Cd	Purpost/Result
12-24-2018	MF			41	Hearing No Change
12-18-2013	FB			40	Hearing Change
01-10-2009	JQ			41	Hearing No Change
10-30-2008	JQ			50	Field Review
05-12-2008	DW	1		99	Vacant Land

LAND LINE VALUATION SECTION

B	Use Code	Description	Zone	Land Type	Land Units		Unit Price	Size Adj	Site Index	Cond.	Nbhd.	Nbhd. Adj.	Notes	Special Use		Location Adjustment	Adj Unit Pri	Land Value
1	610	Forest	RA-2		2.000	AC	60,192	0.57142	5	1.00	5	1.000		490	240		1.00	68,790
1	610	Forest	RA-2		110.760	AC	4,000	1.00000	0	0.80		1.000	WETLANDS	490	240		1.00	354,430
				Total Card Land Units	112.760	AC	Parcel Total Land Area			112.7600		AC					Total Land Value	423,220

Property Location 142 OLD NORTH RD | Map ID 20/ 12/ 16A/ / | Bldg Name | State Use 610
Vision ID 500 | Account # 00049900 | Bldg # 1 | Sec # 1 of 1 | Card # 1 of 1 | Print Date 2/4/2021 12:02:31 PM

CONSTRUCTION DETAIL

Element	Cd	Description
Style:	99	Vacant Land
Model	00	Vacant
Grade:		
Occupancy		
Exterior Wall 1		
Exterior Wall 2		
Roof Structure:		
Roof Cover		
Interior Wall 1		
Interior Wall 2		
Interior Flr 1		
Interior Flr 2		
Heat Fuel		
Heat Type:		
AC Type:		
Total Bedrooms		
Total Bthrms:		
Total Half Baths		
Total Rooms:		
Bath Style:		
Kitchen Style:		
Fireplace		
Whirlpool Tubs		
Fin Basement		
Fin Bsmt Qual		
Bsmt. Garages		

CONSTRUCTION DETAIL (CONTINUED)

Element	Cd	Description

MIXED USE

Code	Description	Percentage
610	Forest	100
		0
		0

COST / MARKET VALUATION

Adj. Base Rate	0
RCN	
Year Built	
Depreciation Code	
Remodel Rating	
Year Remodeled	
Depreciation %	
Functional Obsol	
External Obsol	
Cost Trend Factor	1
Condition	
Condition %	
Percent Good	
RCNLD	
Dep % Ovr	
Dep Ovr Comment	
Misc Imp Ovr	
Misc Imp Ovr Comment	
Cost to Cure Ovr	
Cost to Cure Ovr Comment	

No Sketch

OB - OUTBUILDING & YARD ITEMS(L) / XF - BUILDING EXTRA FEATURES(B)

Cod	Description	Sub	Sub Desc	L/B	Units	Unit Price	Yr Blt	Cond.	% Gd	Grade	Grd A	Appr. Valu

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Gross Area
	Ttl Gross Liv / Lease Area	0	0