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

November 19, 2021

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

RE: Notice of Exempt Modification // Site: EAST WOODSTOCK CT (ATC: 415484)
445 Prospect St., Woodstock, CT 06281
N 42.01483072 // W 71.9806872

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless currently maintains 12 antennas at the 160-ft level on the existing 160-foot monopole tower, located at 445 Prospect St., Woodstock, CT. The tower is owned by American Tower. The tower was originally approved by the Council in 2010. Verizon Wireless now intends to remove Nine (9) antenna and install Nine (9) new antenna for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless will remove Three (3) RRH's, Two (2) OVP and associated cabling. Verizon Wireless intends to add Six (6) Remote Radio Head (RRHs), Three (3), One (1) OVP, and associated cables; altogether updating leased equipment rights, as reflected by the final configuration outlined in the structural analysis and proposed hereby.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Jay Swan, First Selectman, Building Officer, Paul Feige, and Frederick & Barbara Rich, the Property owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2). Enclosed to accommodate this filing are construction drawings dated November 1, 2021 by Colliers Engineering & Design, a structural analysis dated September 17, 2021 by ATC, and a structural mount analysis by GPD Engineering and Architecture Professional Corporation date July 9, 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 Colliers Engineering & Design, dated September 17, 2021 and a structural mount analysis by GPD Engineering and Architecture Professional Corporation, dated July 9, 2021, pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final construction drawings, signed and stamped dated November 1, 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: Jay Swan, First Selectman - as chief elected official
Paul Feige, Building Officer - as P&Z official
Frederick & Barbara Rich - as Property 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**
   Customers with a Daily Pickup
   Your driver will pickup your shipment(s) as usual.

   Customers without a Daily Pickup
   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.
   Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   Hand the package to any UPS driver in your area.

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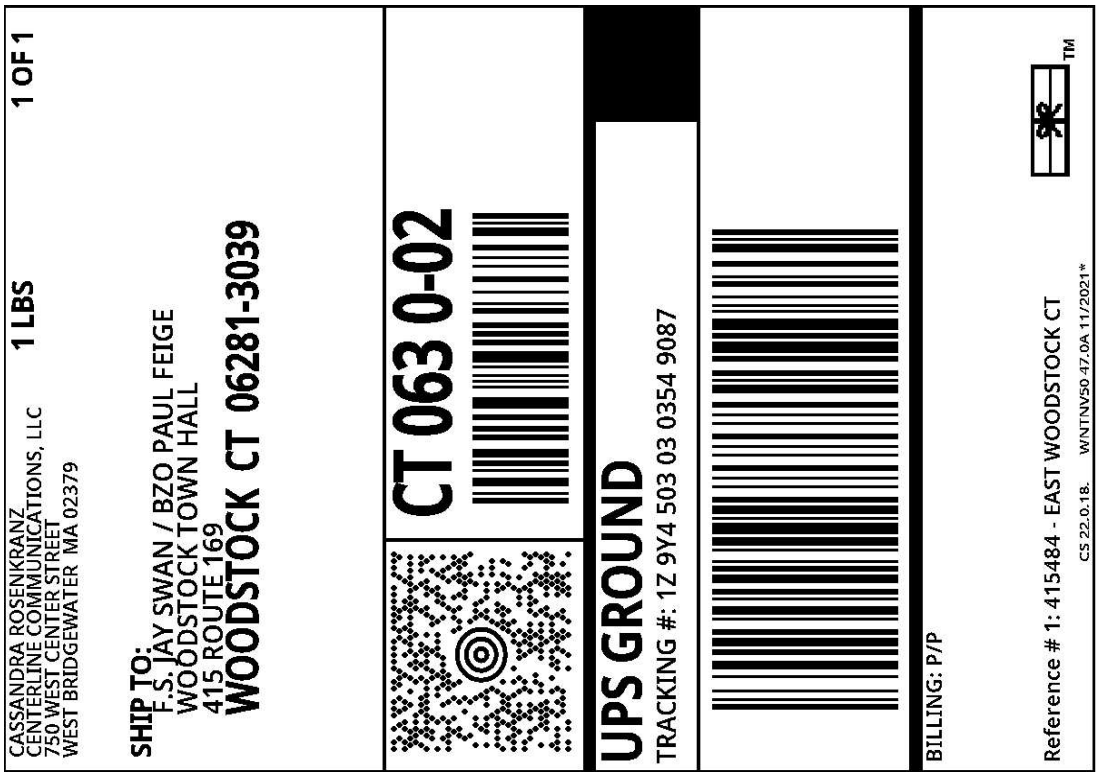
BROCKTON ,MA 02301

FOLD HERE



From: UPS
To: John Coleman
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030303549087
Date: Monday, November 22, 2021 11:12:05 AM

Hello, your package has been delivered.

Delivery Date: Monday, 11/22/2021
Delivery Time: 11:10 AM
Left At: OFFICE
Signed by: WAHLBURG

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030303549087
Ship To:	WOODSTOCK TOWN HALL 415 ROUTE 169 WOODSTOCK, CT 062813039 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	415484 - EAST WOODSTOCK CT

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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.

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   Customers with a Daily Pickup
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   Customers without a Daily Pickup
   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.
   Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
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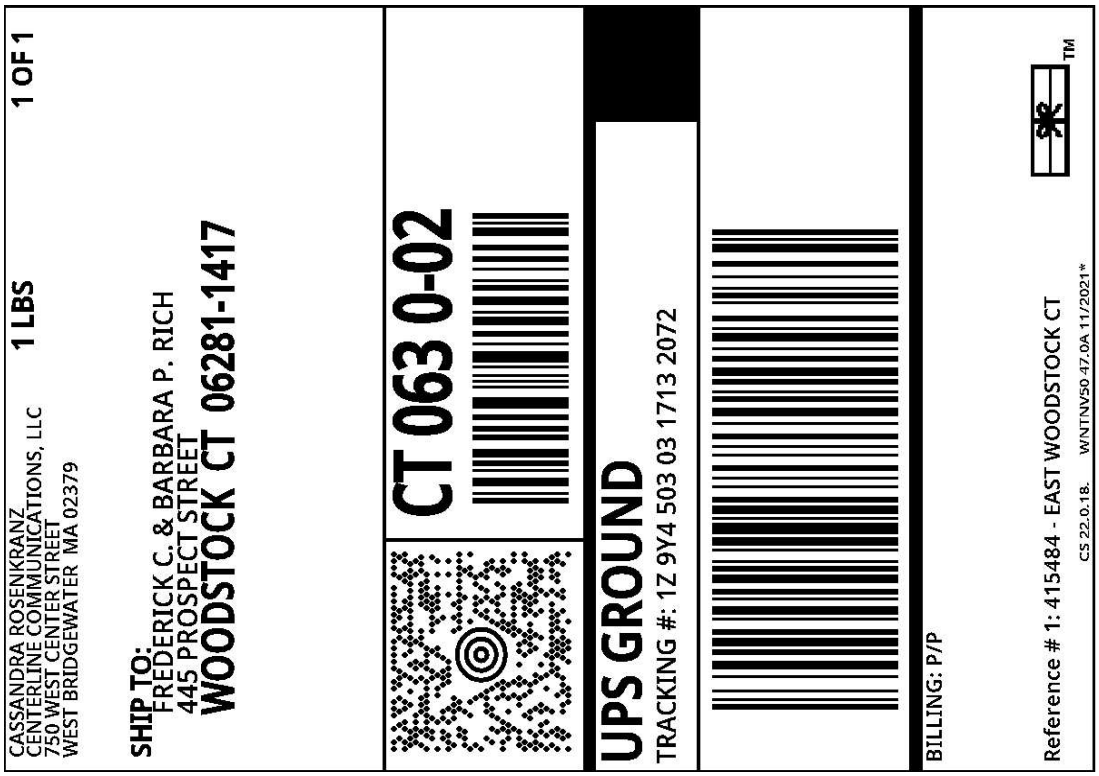


From: UPS
To: John Coleman
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030317132072
Date: Saturday, November 20, 2021 3:08:58 PM

Hello, your package has been delivered.

Delivery Date: Saturday, 11/20/2021
Delivery Time: 3:08 PM
Left At: FRONT DOOR

Set Delivery Instructions | Manage Preferences | View My Packages

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030317132072
Ship To:	FREDERICK C. & BARBARA P. RICH 445 PROSPECT STREET WOODSTOCK, CT 062811417 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	415484 - EAST WOODSTOCK CT

Download the UPS mobile app

DOCKET NO. 397 - 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 telecommunications facility at 445 Prospect Street, Woodstock, Connecticut.	}	Connecticut Siting Council August 26, 2010

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, maintenance, and operation 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 Alternate Site B located at 445 Prospect Street, Woodstock, Connecticut. The Council denies certification of the Original Site and Alternate Site A also located at 445 Prospect Street, Woodstock, Connecticut.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of Verizon Wireless and other entities, both public and private, but such tower shall not exceed a height of 160 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 Woodstock for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
    a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line, and landscaping; and
    b) construction plans for site clearing, grading, landscaping, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

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

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

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

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

7. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed with at least one fully operational wireless telecommunications carrier providing wireless service within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, this Certificate shall expire, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline. Authority to monitor and modify this schedule, as necessary, is delegated to the Executive Director. The Certificate Holder shall provide written notice to the Executive Director of any schedule changes as soon as is practicable.

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

10. 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.

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

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.

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

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

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 Norwich Bulletin and Stonebridge Press.

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

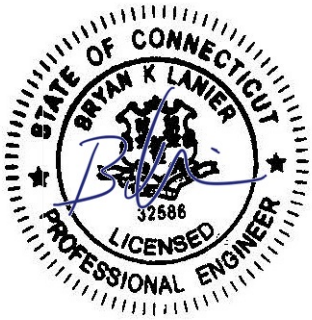
The parties and intervenors to this proceeding are:

Applicant	**Its Representative**
Cellco Partnership d/b/a Verizon Wireless	Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103-3597

AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	**159 ft Monopole**
ATC Site Name	:	**East Woodstock, CT CT, CT**
ATC Site Number	:	**415484**
Engineering Number	:	**13714941_C3_03**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**EAST WOODSTOCK CT**
Carrier Site Number	:	**469181**
Site Location	:	**445 Prospect St** **Woodstock, CT 06281-1431** **42.0148, -71.9807**
County	:	**Windham**
Date	:	**September 17, 2021**
Max Usage	:	**44%**
Result	:	**Pass**



Prepared By:

Nathan Lyle
Structural Engineer

Nathan Lyle

Reviewed By:

COA : PEC.0001553

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 159 ft Monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	EEI Project #16522, dated November 19, 2010
Foundation Drawing	EEI Project #16522, dated November 22, 2010
Geotechnical Report	DET Job #2010.16, dated October 18, 2010

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:	119 mph (3-second gust)
Basic Wind Speed w/ Ice:	50 mph (3-second gust) w/ 1.50" 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 = 0.18, S_1 = 0.06
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
161.0	1	VZW Unused Reserve (17494.20 sqin)	-	-	VERIZON WIRELESS
150.0	1	Generic Dish Reserve	-	-	ATC RESERVED

Equipment to be Removed

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
161.0	3	Generic RRH	Square Low Profile Platform	(2) 1 1/4" Hybriflex Cable	VERIZON WIRELESS
	6	Generic 48" x 6" Panel			
	6	Generic 48" x 12" x 7" Panel			
	2	Generic 20" x 15" x 10" BOB			

Proposed Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
161.0	3	Samsung B2/B66A RRH-BR049	Square Platform with Handrails and Kickers	(2) 1 5/8" Hybriflex	VERIZON WIRELESS
	3	Samsung B5/B13 RRH-BR04C			
	1	Raycap RCMDC-6627-PF-48			
	3	Samsung MT6407-77A			
	3	Antel BXA-70063/6CF_			
	6	JMA Wireless MX06FRO660-03			

[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	44%	Pass
Shaft	35%	Pass
Base Plate	15%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	2893.9	41%
Axial (Kips)	52.2	16%
Shear (Kips)	24.6	21%

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

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
161.0	Samsung B2/B66A RRH-BR049	VERIZON WIRELESS	1.049	-0.740
	Samsung B5/B13 RRH-BR04C			
	JMA Wireless MX06FRO660-03			
	Samsung MT6407-77A			
	Antel BXA-70063/6CF_			
	Raycap RCMDC-6627-PF-48			

***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.

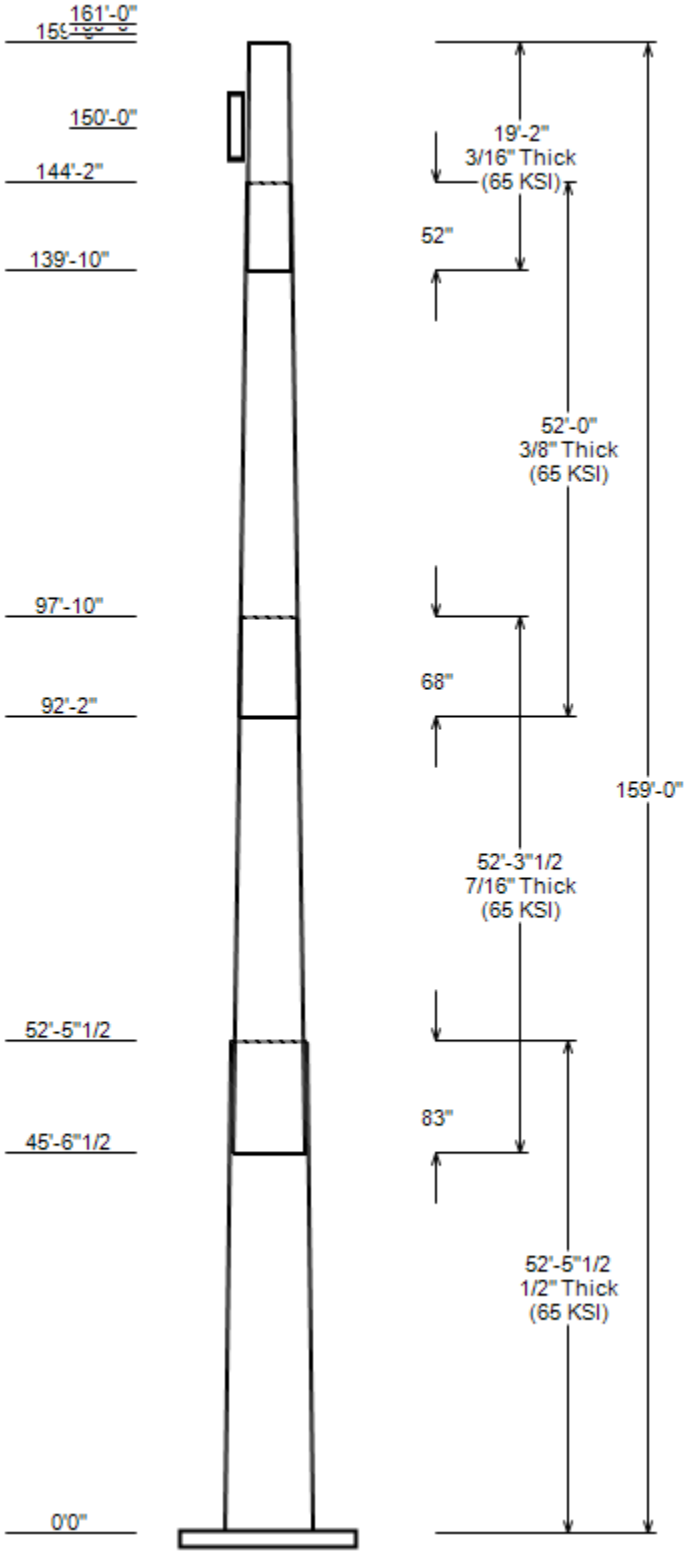
All assets of American Tower Corporation, its affiliates, and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with 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 :	415484, East Woodstock, CT CT	Height :	159 ft
Client :	VERIZON WIRELESS	Base Width :	60.5
Code :	ANSI/TIA-222-H	Shape :	18 Sides



SITE PARAMETERS

Base Elev (ft):	0.00	Structure Class:	II
Taper :	0.23200 (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	52.460	48.35	60.50	0.500		0.000	18 Sides	65
2	52.290	38.72	50.83	0.438	Slip Joint	83.000	18 Sides	65
3	52.000	28.74	40.78	0.375	Slip Joint	68.000	18 Sides	65
4	19.167	25.68	30.12	0.188	Slip Joint	52.000	18 Sides	65

DISCRETE APPURTENANCE

Attach Elev (ft)	Force Elev (ft)	Qty	Description
161.0	161.0	3	Samsung B5/B13 RRH-BR04C
161.0	161.0	3	Samsung B2/B66A RRH-BR049
161.0	161.0	1	Raycap RCMDC-6627-PF-48
161.0	161.0	3	Samsung MT6407-77A
161.0	161.0	1	Generic Mount Reinforcement
161.0	161.0	3	Antel BXA-70063/6CF_
161.0	161.0	6	JMA Wireless MX06FRO660-03
161.0	161.0	1	Generic Square Platform with H
161.0	161.0	1	VZW Unused Reserve (17494.20 s
160.0	160.0	1	Generic Mount Reinforcement
150.0	150.0	1	Generic Dish Reserve

LINEAR APPURTENANCE

Elev From (ft)	Elev To (ft)	Description	Exp To Wind
0.0	161.0	1 5/8" Hybriflex	No

LOAD CASES

1.2D + 1.0W	119 mph wind with no ice
0.9D + 1.0W	119 mph wind with no ice
1.2D + 1.0Di + 1.0Wi	50 mph wind with 1.5" radial ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	60 mph Wind with No Ice

REACTIONS

Load Case	Moment (kip-ft)	Shear (Kip)	Axial (Kip)
1.2D + 1.0W	2855.49	24.38	52.16
0.9D + 1.0W	2832.02	24.37	39.12
1.2D + 1.0Di + 1.0Wi	1061.25	8.46	80.57
1.2D + 1.0Ev + 1.0Eh	173.06	1.31	51.87
0.9D - 1.0Ev + 1.0Eh	171.35	1.31	36.06
1.0D + 1.0W	646.10	5.54	43.49

DISH DEFLECTIONS

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

ANALYSIS PARAMETERS

Location:	Windham County,CT	Height:	159 ft
Type and Shape:	Taper, 18 Sides	Base Diameter:	60.50 in
Manufacturer:	EEI	Top Diameter:	25.68 in
K_d (non-service):	0.95	Taper:	0.2320 in/ft
K_e:	0.98	Rotation:	0.000°

ICE & WIND PARAMETERS

Exposure Category:	B	Design Wind Speed w/o Ice:	119 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:	1.50 in
Crest Height:	0 ft	HMSL:	520.00 ft

SEISMIC PARAMETERS

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil			Period Based on Rayleigh Method (sec):	2.08
T_L (sec):	6	P:	1	$C_{s:}$	0.030
$S_{s:}$	0.182	$S_{1:}$	0.056	C_s Max:	0.030
$F_{a:}$	1.600	$F_{v:}$	2.400	C_s Min:	0.030
$S_{ds:}$	0.194	$S_{d1:}$	0.090		

LOAD CASES

1.2D + 1.0W	119 mph wind with no ice
0.9D + 1.0W	119 mph wind with no ice
1.2D + 1.0Di + 1.0Wi	50 mph wind with 1.5" radial ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	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	52.46	0.5000	65		0.00	15,276	60.50	0.000	95.22	43,308.0	19.92	121.00	48.35	52.46	75.94	21,968.8	15.64	96.70	0.2316
2-18	52.29	0.4375	65	Slip	83.00	10,954	50.83	45.540	69.97	22,448.1	19.07	116.18	38.72	97.83	53.16	9,842.5	14.19	88.50	0.2316
3-18	52.00	0.3750	65	Slip	68.00	7,242	40.78	92.170	48.09	9,920.6	17.77	108.75	28.74	144.17	33.76	3,431.8	12.10	76.64	0.2316
4-18	19.17	0.1875	65	Slip	52.00	1,076	30.12	139.833	17.81	2,016.1	26.91	160.63	25.68	159.00	15.17	1,245.6	22.74	136.96	0.2316
				Shaft Weight		34,548													

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
161.00	Samsung MT6407-77A	3	0.75	0.000	81.60	4.709	0.61	184.20	6.238	0.61
161.00	Generic Square Platform with H	1	1.00	0.000	3790.00	49.300	1.00	8255.17	135.041	1.00
161.00	Samsung B2/B66A RRH-BR049	3	0.75	0.000	84.40	1.875	0.50	148.62	2.784	0.50
161.00	Samsung B5/B13 RRH-BR04C	3	0.75	0.000	70.30	1.875	0.50	127.88	2.784	0.50
161.00	Raycap RCMDC-6627-PF-48	1	0.75	0.000	32.00	4.056	1.00	159.94	5.430	1.00
161.00	VZW Unused Reserve (17494.20 s	1	0.75	0.000	1348.10	121.488	0.90	2293.49	206.685	0.90
161.00	Generic Mount Reinforcement	1	1.00	0.000	200.00	7.500	1.00	394.81	15.037	1.00
161.00	Antel BXA-70063/6CF_	3	0.75	0.000	17.00	7.569	0.65	159.36	10.345	0.65
161.00	JMA Wireless MX06FRO660-03	6	0.75	0.000	60.00	9.872	0.71	301.35	12.634	0.71
160.00	Generic Mount Reinforcement	1	1.00	0.000	200.00	7.500	1.00	394.81	15.037	1.00
150.00	Generic Dish Reserve	1	0.80	0.000	1835.00	70.000	1.00	10403.21	240.744	1.00
Totals	Num Loadings: 11	24			8,525.00			25,569.71		

LINEAR APPURTENANCE PROPERTIES

Load Case Azimuth (deg) : _

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax/ Row	Dist Between Rows(in)	Dist Between Cols(in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	161.00	2	1 5/8" Hybriflex	1.98	1.3	N	0	0	0	0	0	N	VERIZON WIREL

SEGMENT PROPERTIES

(Max Len: 5.ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)
0.00		0.5000	60.500	95.217	43,308.00	19.92	121.00	78	1409.9	0.0	0.0
5.00		0.5000	59.342	93.379	40,848.80	19.52	118.68	78.4	1355.8	0.0	1,604.4
10.00		0.5000	58.184	91.542	38,484.60	19.11	116.37	78.9	1302.8	0.0	1,573.1
15.00		0.5000	57.026	89.704	36,213.40	18.70	114.05	79.4	1250.8	0.0	1,541.8
20.00		0.5000	55.869	87.867	34,033.30	18.29	111.74	79.9	1199.8	0.0	1,510.6
25.00		0.5000	54.711	86.029	31,942.50	17.88	109.42	80.4	1149.9	0.0	1,479.3
30.00		0.5000	53.553	84.192	29,939.20	17.48	107.11	80.8	1101.1	0.0	1,448.1
35.00		0.5000	52.395	82.354	28,021.40	17.07	104.79	81.3	1053.4	0.0	1,416.8
40.00		0.5000	51.237	80.517	26,187.30	16.66	102.47	81.8	1006.7	0.0	1,385.5
45.00		0.5000	50.079	78.679	24,435.10	16.25	100.16	82.3	961.0	0.0	1,354.3
45.54	Bot - Section 2	0.5000	49.953	78.480	24,249.50	16.21	99.91	82.3	956.1	0.0	145.3
50.00		0.5000	48.921	76.842	22,762.80	15.84	97.84	82.6	916.4	0.0	2,228.0
52.46	Top - Section 1	0.4375	49.227	67.747	20,374.80	18.43	112.52	79.7	815.2	0.0	1,209.9
55.00		0.4375	48.639	66.931	19,646.80	18.19	111.17	80	795.6	0.0	582.0
60.00		0.4375	47.481	65.323	18,264.70	17.73	108.53	80.6	757.7	0.0	1,125.1
65.00		0.4375	46.323	63.715	16,949.00	17.26	105.88	81.1	720.7	0.0	1,097.7
70.00		0.4375	45.165	62.107	15,698.00	16.79	103.23	81.6	684.6	0.0	1,070.4
75.00		0.4375	44.007	60.500	14,510.20	16.33	100.59	82.2	649.4	0.0	1,043.0
80.00		0.4375	42.849	58.892	13,383.80	15.86	97.94	82.6	615.2	0.0	1,015.7
85.00		0.4375	41.691	57.284	12,317.30	15.39	95.29	82.6	581.9	0.0	988.3
90.00		0.4375	40.533	55.676	11,309.00	14.93	92.65	82.6	549.5	0.0	960.9
92.17	Bot - Section 3	0.4375	40.032	54.980	10,889.80	14.72	91.50	82.6	535.8	0.0	407.9
95.00		0.4375	39.376	54.069	10,357.30	14.46	90.00	82.6	518.1	0.0	985.6
97.83	Top - Section 2	0.3750	39.470	46.531	8,985.10	17.15	105.25	81.2	448.4	0.0	969.3
100.00		0.3750	38.968	45.933	8,643.60	16.91	103.91	81.5	436.9	0.0	340.9
105.00		0.3750	37.810	44.555	7,888.70	16.37	100.83	82.1	410.9	0.0	769.8
110.00		0.3750	36.652	43.177	7,179.10	15.82	97.74	82.6	385.8	0.0	746.3
115.00		0.3750	35.494	41.799	6,513.40	15.28	94.65	82.6	361.4	0.0	722.9
120.00		0.3750	34.336	40.421	5,890.20	14.73	91.56	82.6	337.9	0.0	699.4
125.00		0.3750	33.178	39.043	5,308.00	14.19	88.48	82.6	315.1	0.0	676.0
130.00		0.3750	32.021	37.665	4,765.60	13.65	85.39	82.6	293.1	0.0	652.5
135.00		0.3750	30.863	36.287	4,261.40	13.10	82.30	82.6	272.0	0.0	629.1
139.83	Bot - Section 4	0.3750	29.743	34.955	3,809.10	12.57	79.32	82.6	252.2	0.0	585.8
140.00		0.3750	29.705	34.909	3,794.10	12.56	79.21	82.6	251.6	0.0	29.9
144.17	Top - Section 3	0.1875	29.115	17.215	1,820.00	25.97	155.28	70.9	123.1	0.0	734.9
145.00		0.1875	28.922	17.100	1,783.80	25.79	154.25	71.1	121.5	0.0	48.7
150.00		0.1875	27.764	16.411	1,576.80	24.70	148.08	72.4	111.9	0.0	285.1
155.00		0.1875	26.606	15.722	1,386.40	23.61	141.90	73.6	102.6	0.0	273.4
159.00		0.1875	25.680	15.171	1,245.60	22.74	136.96	74.7	95.5	0.0	210.2
								Totals:			34,547.9

Load Case: 1.2D + 1.0W 119 mph wind with no ice 22 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	-52.16	-24.38	0.00	-2,855.5	0.00	2,855.49	6,681.23	1,671.05	9,056.15	8,244.36	0	0	0.354
5.00	-50.18	-23.98	0.00	-2,733.6	0.00	2,733.58	6,592.66	1,638.80	8,710.04	7,976.78	0.05	-0.09	0.351
10.00	-48.24	-23.59	0.00	-2,613.7	0.00	2,613.67	6,502.50	1,606.56	8,370.67	7,711.57	0.2	-0.18	0.347
15.00	-46.34	-23.20	0.00	-2,495.7	0.00	2,495.72	6,410.75	1,574.31	8,038.05	7,448.85	0.44	-0.28	0.342
20.00	-44.48	-22.82	0.00	-2,379.7	0.00	2,379.72	6,317.41	1,542.06	7,712.17	7,188.72	0.78	-0.38	0.338
25.00	-42.65	-22.44	0.00	-2,265.6	0.00	2,265.64	6,222.49	1,509.81	7,393.03	6,931.31	1.23	-0.47	0.334
30.00	-40.86	-22.06	0.00	-2,153.5	0.00	2,153.47	6,125.98	1,477.57	7,080.64	6,676.72	1.78	-0.57	0.329
35.00	-39.12	-21.66	0.00	-2,043.2	0.00	2,043.19	6,027.87	1,445.32	6,774.99	6,425.08	2.43	-0.67	0.325
40.00	-37.41	-21.26	0.00	-1,934.9	0.00	1,934.87	5,928.18	1,413.07	6,476.09	6,176.49	3.18	-0.77	0.320
45.00	-35.75	-21.02	0.00	-1,828.6	0.00	1,828.56	5,826.91	1,380.82	6,183.92	5,931.07	4.05	-0.87	0.315
45.54	-35.56	-20.82	0.00	-1,817.1	0.00	1,817.13	5,815.80	1,377.32	6,152.58	5,904.60	4.15	-0.88	0.314
50.00	-32.85	-20.50	0.00	-1,724.3	0.00	1,724.33	5,708.97	1,348.58	5,898.50	5,673.97	5.02	-0.98	0.310
52.46	-31.37	-20.27	0.00	-1,673.9	0.00	1,673.90	4,861.01	1,188.97	5,239.69	4,874.46	5.54	-1.03	0.350
55.00	-30.65	-19.95	0.00	-1,622.4	0.00	1,622.40	4,819.20	1,174.63	5,114.13	4,773.76	6.1	-1.08	0.347
60.00	-29.25	-19.52	0.00	-1,522.6	0.00	1,522.63	4,735.71	1,146.42	4,871.41	4,577.35	7.3	-1.2	0.339
65.00	-27.89	-19.08	0.00	-1,425.0	0.00	1,425.03	4,650.62	1,118.20	4,634.60	4,383.46	8.61	-1.31	0.331
70.00	-26.56	-18.64	0.00	-1,329.6	0.00	1,329.62	4,563.95	1,089.98	4,403.69	4,192.19	10.05	-1.43	0.323
75.00	-25.27	-18.20	0.00	-1,236.4	0.00	1,236.41	4,475.68	1,061.77	4,178.67	4,003.66	11.61	-1.54	0.315
80.00	-24.01	-17.76	0.00	-1,145.4	0.00	1,145.40	4,375.37	1,033.55	3,959.56	3,808.88	13.29	-1.66	0.307
85.00	-22.79	-17.32	0.00	-1,056.6	0.00	1,056.60	4,255.92	1,005.34	3,746.35	3,602.71	15.09	-1.78	0.299
90.00	-21.61	-16.99	0.00	-970.0	0.00	970.01	4,136.47	977.12	3,539.04	3,402.29	17.01	-1.9	0.291
92.17	-21.10	-16.77	0.00	-933.2	0.00	933.19	4,084.71	964.89	3,451.03	3,317.22	17.89	-1.95	0.287
95.00	-19.90	-16.50	0.00	-885.7	0.00	885.67	4,017.02	948.90	3,337.63	3,207.60	19.06	-2.01	0.281
97.83	-18.72	-16.26	0.00	-838.9	0.00	838.91	3,401.76	816.61	2,883.70	2,731.66	20.28	-2.08	0.313
100.00	-18.29	-15.96	0.00	-803.7	0.00	803.69	3,369.57	806.13	2,810.17	2,670.76	21.24	-2.13	0.307
105.00	-17.34	-15.52	0.00	-723.9	0.00	723.91	3,294.16	781.95	2,644.10	2,531.89	23.54	-2.26	0.292
110.00	-16.41	-15.09	0.00	-646.3	0.00	646.31	3,207.85	757.76	2,483.09	2,388.54	25.97	-2.38	0.276
115.00	-15.52	-14.67	0.00	-570.8	0.00	570.84	3,105.46	733.57	2,327.14	2,237.75	28.53	-2.5	0.260
120.00	-14.65	-14.25	0.00	-497.5	0.00	497.50	3,003.08	709.39	2,176.24	2,091.87	31.21	-2.62	0.243
125.00	-13.82	-13.84	0.00	-426.2	0.00	426.25	2,900.69	685.20	2,030.40	1,950.91	34.02	-2.73	0.224
130.00	-13.02	-13.43	0.00	-357.1	0.00	357.06	2,798.31	661.02	1,889.62	1,814.87	36.93	-2.84	0.202
135.00	-12.25	-13.04	0.00	-289.9	0.00	289.92	2,695.92	636.83	1,753.90	1,683.75	39.96	-2.93	0.177
139.83	-11.53	-12.82	0.00	-226.9	0.00	226.91	2,596.95	613.45	1,627.51	1,561.66	42.97	-3.02	0.150
140.00	-11.49	-12.66	0.00	-224.8	0.00	224.78	2,593.54	612.65	1,623.24	1,557.54	43.07	-3.02	0.149
144.17	-10.60	-12.44	0.00	-172.0	0.00	172.02	1,097.80	302.12	789.35	654.31	45.74	-3.08	0.274
145.00	-10.54	-12.24	0.00	-161.6	0.00	161.65	1,093.76	300.11	778.85	647.52	46.28	-3.09	0.261
150.00	-8.12	-9.45	0.00	-100.5	0.00	100.48	1,068.60	288.01	717.36	606.97	49.57	-3.2	0.174
155.00	-7.78	-9.13	0.00	-53.2	0.00	53.24	1,041.86	275.92	658.39	566.76	52.96	-3.27	0.103
159.00	0.00	-8.66	0.00	-16.7	0.00	16.74	1,019.32	266.25	613.03	534.92	55.71	-3.29	0.032

Load Case: 0.9D + 1.0W 119 mph wind with no ice 21 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	-39.12	-24.37	0.00	-2,832.0	0.00	2,832.02	6,681.23	1,671.05	9,056.15	8,244.36	0	0	0.350
5.00	-37.62	-23.95	0.00	-2,710.2	0.00	2,710.18	6,592.66	1,638.80	8,710.04	7,976.78	0.05	-0.09	0.346
10.00	-36.16	-23.54	0.00	-2,590.4	0.00	2,590.43	6,502.50	1,606.56	8,370.67	7,711.57	0.19	-0.18	0.342
15.00	-34.72	-23.13	0.00	-2,472.7	0.00	2,472.74	6,410.75	1,574.31	8,038.05	7,448.85	0.44	-0.28	0.338
20.00	-33.32	-22.73	0.00	-2,357.1	0.00	2,357.08	6,317.41	1,542.06	7,712.17	7,188.72	0.78	-0.37	0.333
25.00	-31.94	-22.33	0.00	-2,243.4	0.00	2,243.43	6,222.49	1,509.81	7,393.03	6,931.31	1.22	-0.47	0.329
30.00	-30.59	-21.94	0.00	-2,131.8	0.00	2,131.76	6,125.98	1,477.57	7,080.64	6,676.72	1.76	-0.57	0.324
35.00	-29.27	-21.54	0.00	-2,022.1	0.00	2,022.07	6,027.87	1,445.32	6,774.99	6,425.08	2.41	-0.66	0.320
40.00	-27.98	-21.12	0.00	-1,914.4	0.00	1,914.39	5,928.18	1,413.07	6,476.09	6,176.49	3.16	-0.76	0.315
45.00	-26.74	-20.88	0.00	-1,808.8	0.00	1,808.77	5,826.91	1,380.82	6,183.92	5,931.07	4.01	-0.87	0.310
45.54	-26.59	-20.67	0.00	-1,797.4	0.00	1,797.43	5,815.80	1,377.32	6,152.58	5,904.60	4.11	-0.88	0.309
50.00	-24.55	-20.35	0.00	-1,705.3	0.00	1,705.30	5,708.97	1,348.58	5,898.50	5,673.97	4.97	-0.97	0.305
52.46	-23.44	-20.12	0.00	-1,655.2	0.00	1,655.23	4,861.01	1,188.97	5,239.69	4,874.46	5.48	-1.02	0.345
55.00	-22.89	-19.79	0.00	-1,604.1	0.00	1,604.13	4,819.20	1,174.63	5,114.13	4,773.76	6.04	-1.07	0.341
60.00	-21.84	-19.35	0.00	-1,505.2	0.00	1,505.16	4,735.71	1,146.42	4,871.41	4,577.35	7.23	-1.19	0.334
65.00	-20.81	-18.91	0.00	-1,408.4	0.00	1,408.40	4,650.62	1,118.20	4,634.60	4,383.46	8.53	-1.3	0.326
70.00	-19.81	-18.46	0.00	-1,313.9	0.00	1,313.87	4,563.95	1,089.98	4,403.69	4,192.19	9.95	-1.41	0.318
75.00	-18.84	-18.01	0.00	-1,221.6	0.00	1,221.56	4,475.68	1,061.77	4,178.67	4,003.66	11.49	-1.53	0.310
80.00	-17.89	-17.57	0.00	-1,131.5	0.00	1,131.49	4,375.37	1,033.55	3,959.56	3,808.88	13.16	-1.64	0.301
85.00	-16.97	-17.13	0.00	-1,043.6	0.00	1,043.65	4,255.92	1,005.34	3,746.35	3,602.71	14.94	-1.76	0.294
90.00	-16.08	-16.80	0.00	-958.0	0.00	958.02	4,136.47	977.12	3,539.04	3,402.29	16.84	-1.87	0.286
92.17	-15.69	-16.58	0.00	-921.6	0.00	921.62	4,084.71	964.89	3,451.03	3,317.22	17.71	-1.93	0.282
95.00	-14.79	-16.31	0.00	-874.6	0.00	874.64	4,017.02	948.90	3,337.63	3,207.60	18.87	-1.99	0.277
97.83	-13.90	-16.07	0.00	-828.4	0.00	828.42	3,401.76	816.61	2,883.70	2,731.66	20.07	-2.06	0.308
100.00	-13.58	-15.77	0.00	-793.6	0.00	793.60	3,369.57	806.13	2,810.17	2,670.76	21.02	-2.11	0.302
105.00	-12.86	-15.33	0.00	-714.8	0.00	714.76	3,294.16	781.95	2,644.10	2,531.89	23.3	-2.23	0.287
110.00	-12.16	-14.91	0.00	-638.1	0.00	638.10	3,207.85	757.76	2,483.09	2,388.54	25.7	-2.36	0.271
115.00	-11.49	-14.48	0.00	-563.6	0.00	563.57	3,105.46	733.57	2,327.14	2,237.75	28.23	-2.47	0.256
120.00	-10.84	-14.06	0.00	-491.2	0.00	491.16	3,003.08	709.39	2,176.24	2,091.87	30.89	-2.59	0.239
125.00	-10.21	-13.65	0.00	-420.8	0.00	420.84	2,900.69	685.20	2,030.40	1,950.91	33.66	-2.7	0.220
130.00	-9.61	-13.25	0.00	-352.6	0.00	352.57	2,798.31	661.02	1,889.62	1,814.87	36.54	-2.8	0.198
135.00	-9.03	-12.86	0.00	-286.3	0.00	286.31	2,695.92	636.83	1,753.90	1,683.75	39.53	-2.9	0.174
139.83	-8.49	-12.65	0.00	-224.1	0.00	224.14	2,596.95	613.45	1,627.51	1,561.66	42.51	-2.98	0.147
140.00	-8.47	-12.50	0.00	-222.0	0.00	222.03	2,593.54	612.65	1,623.24	1,557.54	42.61	-2.98	0.146
144.17	-7.80	-12.28	0.00	-170.0	0.00	169.97	1,097.80	302.12	789.35	654.31	45.24	-3.05	0.269
145.00	-7.75	-12.08	0.00	-159.7	0.00	159.74	1,093.76	300.11	778.85	647.52	45.78	-3.06	0.255
150.00	-5.97	-9.32	0.00	-99.4	0.00	99.36	1,068.60	288.01	717.36	606.97	49.04	-3.16	0.170
155.00	-5.72	-9.00	0.00	-52.8	0.00	52.75	1,041.86	275.92	658.39	566.76	52.39	-3.23	0.100
159.00	0.00	-8.66	0.00	-16.7	0.00	16.74	1,019.32	266.25	613.03	534.92	55.11	-3.26	0.032

Load Case: 1.2D + 1.0Di + 1.0Wi		50 mph wind with 1.5" radial ice			21 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	-80.57	-8.46	0.00	-1,061.2	0.00	1,061.25	6,681.23	1,671.05	9,056.15	8,244.36	0	0	0.141
5.00	-78.19	-8.37	0.00	-1,018.9	0.00	1,018.93	6,592.66	1,638.80	8,710.04	7,976.78	0.02	-0.03	0.140
10.00	-75.80	-8.27	0.00	-977.1	0.00	977.10	6,502.50	1,606.56	8,370.67	7,711.57	0.07	-0.07	0.138
15.00	-73.43	-8.17	0.00	-935.8	0.00	935.76	6,410.75	1,574.31	8,038.05	7,448.85	0.16	-0.1	0.137
20.00	-71.09	-8.07	0.00	-894.9	0.00	894.90	6,317.41	1,542.06	7,712.17	7,188.72	0.29	-0.14	0.136
25.00	-68.79	-7.98	0.00	-854.5	0.00	854.53	6,222.49	1,509.81	7,393.03	6,931.31	0.46	-0.18	0.134
30.00	-66.52	-7.88	0.00	-814.6	0.00	814.64	6,125.98	1,477.57	7,080.64	6,676.72	0.66	-0.21	0.133
35.00	-64.29	-7.78	0.00	-775.2	0.00	775.24	6,027.87	1,445.32	6,774.99	6,425.08	0.91	-0.25	0.131
40.00	-62.11	-7.67	0.00	-736.4	0.00	736.35	5,928.18	1,413.07	6,476.09	6,176.49	1.19	-0.29	0.130
45.00	-59.97	-7.61	0.00	-698.0	0.00	697.98	5,826.91	1,380.82	6,183.92	5,931.07	1.52	-0.33	0.128
45.54	-59.74	-7.56	0.00	-693.8	0.00	693.85	5,815.80	1,377.32	6,152.58	5,904.60	1.56	-0.33	0.128
50.00	-56.60	-7.47	0.00	-660.2	0.00	660.18	5,708.97	1,348.58	5,898.50	5,673.97	1.88	-0.37	0.126
52.46	-54.89	-7.40	0.00	-641.8	0.00	641.81	4,861.01	1,188.97	5,239.69	4,874.46	2.08	-0.39	0.143
55.00	-53.93	-7.32	0.00	-623.0	0.00	623.01	4,819.20	1,174.63	5,114.13	4,773.76	2.29	-0.41	0.142
60.00	-52.07	-7.20	0.00	-586.4	0.00	586.42	4,735.71	1,146.42	4,871.41	4,577.35	2.74	-0.45	0.139
65.00	-50.26	-7.08	0.00	-550.4	0.00	550.43	4,650.62	1,118.20	4,634.60	4,383.46	3.24	-0.5	0.136
70.00	-48.48	-6.96	0.00	-515.0	0.00	515.03	4,563.95	1,089.98	4,403.69	4,192.19	3.79	-0.54	0.134
75.00	-46.75	-6.83	0.00	-480.2	0.00	480.24	4,475.68	1,061.77	4,178.67	4,003.66	4.38	-0.59	0.130
80.00	-45.05	-6.71	0.00	-446.1	0.00	446.07	4,375.37	1,033.55	3,959.56	3,808.88	5.02	-0.63	0.127
85.00	-43.40	-6.58	0.00	-412.5	0.00	412.52	4,255.92	1,005.34	3,746.35	3,602.71	5.71	-0.68	0.125
90.00	-41.79	-6.49	0.00	-379.6	0.00	379.60	4,136.47	977.12	3,539.04	3,402.29	6.44	-0.72	0.122
92.17	-41.11	-6.43	0.00	-365.5	0.00	365.54	4,084.71	964.89	3,451.03	3,317.22	6.78	-0.74	0.120
95.00	-39.67	-6.35	0.00	-347.3	0.00	347.34	4,017.02	948.90	3,337.63	3,207.60	7.23	-0.77	0.118
97.83	-38.25	-6.27	0.00	-329.4	0.00	329.36	3,401.76	816.61	2,883.70	2,731.66	7.69	-0.8	0.132
100.00	-37.65	-6.19	0.00	-315.8	0.00	315.77	3,369.57	806.13	2,810.17	2,670.76	8.06	-0.82	0.129
105.00	-36.29	-6.06	0.00	-284.8	0.00	284.84	3,294.16	781.95	2,644.10	2,531.89	8.94	-0.87	0.124
110.00	-34.97	-5.93	0.00	-254.5	0.00	254.53	3,207.85	757.76	2,483.09	2,388.54	9.88	-0.92	0.118
115.00	-33.69	-5.81	0.00	-224.9	0.00	224.86	3,105.46	733.57	2,327.14	2,237.75	10.86	-0.96	0.111
120.00	-32.45	-5.68	0.00	-195.8	0.00	195.83	3,003.08	709.39	2,176.24	2,091.87	11.89	-1.01	0.104
125.00	-31.25	-5.55	0.00	-167.4	0.00	167.42	2,900.69	685.20	2,030.40	1,950.91	12.98	-1.05	0.097
130.00	-30.08	-5.43	0.00	-139.6	0.00	139.65	2,798.31	661.02	1,889.62	1,814.87	14.1	-1.09	0.088
135.00	-28.96	-5.30	0.00	-112.5	0.00	112.51	2,695.92	636.83	1,753.90	1,683.75	15.27	-1.13	0.078
139.83	-27.91	-5.23	0.00	-86.9	0.00	86.88	2,596.95	613.45	1,627.51	1,561.66	16.43	-1.16	0.066
140.00	-27.87	-5.18	0.00	-86.0	0.00	86.01	2,593.54	612.65	1,623.24	1,557.54	16.47	-1.16	0.066
144.17	-26.69	-5.10	0.00	-64.4	0.00	64.42	1,097.80	302.12	789.35	654.31	17.5	-1.19	0.123
145.00	-26.57	-5.04	0.00	-60.2	0.00	60.17	1,093.76	300.11	778.85	647.52	17.71	-1.19	0.117
150.00	-16.39	-3.32	0.00	-35.0	0.00	34.95	1,068.60	288.01	717.36	606.97	18.98	-1.23	0.073
155.00	-15.73	-3.21	0.00	-18.4	0.00	18.35	1,041.86	275.92	658.39	566.76	20.28	-1.25	0.048
159.00	0.00	-2.86	0.00	-5.5	0.00	5.52	1,019.32	266.25	613.03	534.92	21.34	-1.26	0.010

Load Case: 1.0D + 1.0W 60 mph Wind with No Ice 20 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	-43.49	-5.54	0.00	-646.1	0.00	646.10	6,681.23	1,671.05	9,056.15	8,244.36	0	0	0.085
5.00	-41.87	-5.45	0.00	-618.4	0.00	618.39	6,592.66	1,638.80	8,710.04	7,976.78	0.01	-0.02	0.084
10.00	-40.28	-5.36	0.00	-591.1	0.00	591.14	6,502.50	1,606.56	8,370.67	7,711.57	0.04	-0.04	0.083
15.00	-38.72	-5.27	0.00	-564.4	0.00	564.36	6,410.75	1,574.31	8,038.05	7,448.85	0.1	-0.06	0.082
20.00	-37.20	-5.18	0.00	-538.0	0.00	538.03	6,317.41	1,542.06	7,712.17	7,188.72	0.18	-0.08	0.081
25.00	-35.70	-5.09	0.00	-512.2	0.00	512.15	6,222.49	1,509.81	7,393.03	6,931.31	0.28	-0.11	0.080
30.00	-34.24	-5.00	0.00	-486.7	0.00	486.71	6,125.98	1,477.57	7,080.64	6,676.72	0.4	-0.13	0.078
35.00	-32.81	-4.91	0.00	-461.7	0.00	461.72	6,027.87	1,445.32	6,774.99	6,425.08	0.55	-0.15	0.077
40.00	-31.41	-4.81	0.00	-437.2	0.00	437.18	5,928.18	1,413.07	6,476.09	6,176.49	0.72	-0.17	0.076
45.00	-30.04	-4.76	0.00	-413.1	0.00	413.11	5,826.91	1,380.82	6,183.92	5,931.07	0.92	-0.2	0.075
45.54	-29.89	-4.71	0.00	-410.5	0.00	410.52	5,815.80	1,377.32	6,152.58	5,904.60	0.94	-0.2	0.075
50.00	-27.65	-4.64	0.00	-389.5	0.00	389.52	5,708.97	1,348.58	5,898.50	5,673.97	1.13	-0.22	0.074
52.46	-26.43	-4.59	0.00	-378.1	0.00	378.10	4,861.01	1,188.97	5,239.69	4,874.46	1.25	-0.23	0.083
55.00	-25.84	-4.51	0.00	-366.4	0.00	366.45	4,819.20	1,174.63	5,114.13	4,773.76	1.38	-0.25	0.082
60.00	-24.70	-4.41	0.00	-343.9	0.00	343.88	4,735.71	1,146.42	4,871.41	4,577.35	1.65	-0.27	0.080
65.00	-23.59	-4.31	0.00	-321.8	0.00	321.81	4,650.62	1,118.20	4,634.60	4,383.46	1.95	-0.3	0.079
70.00	-22.51	-4.21	0.00	-300.2	0.00	300.24	4,563.95	1,089.98	4,403.69	4,192.19	2.27	-0.32	0.077
75.00	-21.45	-4.11	0.00	-279.2	0.00	279.17	4,475.68	1,061.77	4,178.67	4,003.66	2.62	-0.35	0.075
80.00	-20.42	-4.01	0.00	-258.6	0.00	258.61	4,375.37	1,033.55	3,959.56	3,808.88	3	-0.38	0.073
85.00	-19.42	-3.91	0.00	-238.6	0.00	238.55	4,255.92	1,005.34	3,746.35	3,602.71	3.41	-0.4	0.071
90.00	-18.44	-3.84	0.00	-219.0	0.00	218.99	4,136.47	977.12	3,539.04	3,402.29	3.85	-0.43	0.069
92.17	-18.03	-3.79	0.00	-210.7	0.00	210.68	4,084.71	964.89	3,451.03	3,317.22	4.04	-0.44	0.068
95.00	-17.04	-3.73	0.00	-200.0	0.00	199.95	4,017.02	948.90	3,337.63	3,207.60	4.31	-0.46	0.067
97.83	-16.06	-3.67	0.00	-189.4	0.00	189.39	3,401.76	816.61	2,883.70	2,731.66	4.58	-0.47	0.074
100.00	-15.71	-3.60	0.00	-181.4	0.00	181.44	3,369.57	806.13	2,810.17	2,670.76	4.8	-0.48	0.073
105.00	-14.93	-3.50	0.00	-163.4	0.00	163.43	3,294.16	781.95	2,644.10	2,531.89	5.32	-0.51	0.069
110.00	-14.17	-3.41	0.00	-145.9	0.00	145.91	3,207.85	757.76	2,483.09	2,388.54	5.87	-0.54	0.066
115.00	-13.43	-3.31	0.00	-128.9	0.00	128.87	3,105.46	733.57	2,327.14	2,237.75	6.45	-0.57	0.062
120.00	-12.72	-3.22	0.00	-112.3	0.00	112.32	3,003.08	709.39	2,176.24	2,091.87	7.05	-0.59	0.058
125.00	-12.03	-3.12	0.00	-96.2	0.00	96.24	2,900.69	685.20	2,030.40	1,950.91	7.69	-0.62	0.053
130.00	-11.36	-3.03	0.00	-80.6	0.00	80.63	2,798.31	661.02	1,889.62	1,814.87	8.35	-0.64	0.049
135.00	-10.72	-2.94	0.00	-65.5	0.00	65.47	2,695.92	636.83	1,753.90	1,683.75	9.03	-0.66	0.043
139.83	-10.12	-2.89	0.00	-51.3	0.00	51.26	2,596.95	613.45	1,627.51	1,561.66	9.71	-0.68	0.037
140.00	-10.09	-2.86	0.00	-50.8	0.00	50.77	2,593.54	612.65	1,623.24	1,557.54	9.73	-0.68	0.037
144.17	-9.35	-2.81	0.00	-38.9	0.00	38.86	1,097.80	302.12	789.35	654.31	10.34	-0.7	0.068
145.00	-9.30	-2.76	0.00	-36.5	0.00	36.52	1,093.76	300.11	778.85	647.52	10.46	-0.7	0.065
150.00	-7.17	-2.13	0.00	-22.7	0.00	22.71	1,068.60	288.01	717.36	606.97	11.2	-0.72	0.044
155.00	-6.88	-2.06	0.00	-12.0	0.00	12.05	1,041.86	275.92	658.39	566.76	11.97	-0.74	0.028
159.00	0.00	-1.97	0.00	-3.8	0.00	3.81	1,019.32	266.25	613.03	534.92	12.59	-0.74	0.007

EQUIVALENT LATERAL FORCES METHOD ANALYSIS

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

Spectral Response Acceleration for Short Period (S_S):	0.182
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.056
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}):	0.194
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.090
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):	2.080
Redundancy Factor (p):	1.000
Seismic Force Distribution Exponent (k):	1.790
Total Unfactored Dead Load:	43.490 k
Seismic Base Shear (E):	1.300 k

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

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
38	157	221	1,904	0.013	17	273
37	152.5	286	2,346	0.016	20	355
36	147.5	298	2,301	0.015	20	369
35	144.5833	51	378	0.002	3	63
34	142.0833	746	5,383	0.036	47	924
33	139.9167	30	213	0.001	2	38
32	137.4167	598	4,068	0.027	35	741
31	132.5	642	4,089	0.027	36	795
30	127.5	666	3,956	0.026	34	824
29	122.5	689	3,812	0.025	33	854
28	117.5	712	3,658	0.024	32	883
27	112.5	736	3,495	0.023	30	912
26	107.5	759	3,324	0.022	29	941
25	102.5	783	3,146	0.021	27	970
24	98.9167	346	1,307	0.009	11	429
23	96.4167	977	3,518	0.023	31	1,210
22	93.5833	993	3,390	0.023	29	1,230
21	91.0833	414	1,345	0.009	12	512
20	87.5	974	2,948	0.020	26	1,207
19	82.5	1,001	2,727	0.018	24	1,240
18	77.5	1,029	2,505	0.017	22	1,274
17	72.5	1,056	2,282	0.015	20	1,308
16	67.5	1,083	2,059	0.014	18	1,342
15	62.5	1,111	1,839	0.012	16	1,376
14	57.5	1,138	1,623	0.011	14	1,410
13	53.73	589	743	0.005	6	729
12	51.23	1,216	1,410	0.009	12	1,507
11	47.7717	2,240	2,291	0.015	20	2,774
10	45.2717	147	136	0.001	1	182
9	42.5	1,367	1,134	0.008	10	1,694
8	37.5	1,399	927	0.006	8	1,733
7	32.5	1,430	733	0.005	6	1,771
6	27.5	1,461	555	0.004	5	1,810
5	22.5	1,492	396	0.003	3	1,849

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
4	17.5	1,524	258	0.002	2	1,887
3	12.5	1,555	144	0.001	1	1,926
2	7.5	1,586	59	0.000	1	1,965
1	2.5	1,617	8	0.000	0	2,004
Samsung B2/B66A RRH-BR049	159	253	2,236	0.015	19	314
Samsung B5/B13 RRH-BR04C	159	211	1,862	0.012	16	261
Raycap RCMDC-6627-PF-48	159	32	283	0.002	2	40
Samsung MT6407-77A	159	245	2,162	0.014	19	303
Generic Mount Reinforcement	159	200	1,766	0.012	15	248
Generic Mount Reinforcement	159	200	1,766	0.012	15	248
Antel BXA-70063/6CF_	159	51	450	0.003	4	63
JMA Wireless MX06FRO660-03	159	360	3,179	0.021	28	446
Generic Square Platform with Handrails	159	3,790	33,464	0.223	291	4,695
VZW Unused Reserve (17494.20 sqin)	159	1,348	11,903	0.079	103	1,670
Generic Dish Reserve	150	1,835	14,596	0.097	127	2,273
		43,486	150,079	1.000	1,305	53,872

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

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
38	157	221	1,904	0.013	17	190
37	152.5	286	2,346	0.016	20	247
36	147.5	298	2,301	0.015	20	257
35	144.5833	51	378	0.002	3	44
34	142.0833	746	5,383	0.036	47	642
33	139.9167	30	213	0.001	2	26
32	137.4167	598	4,068	0.027	35	515
31	132.5	642	4,089	0.027	36	553
30	127.5	666	3,956	0.026	34	573
29	122.5	689	3,812	0.025	33	593
28	117.5	712	3,658	0.024	32	614
27	112.5	736	3,495	0.023	30	634
26	107.5	759	3,324	0.022	29	654
25	102.5	783	3,146	0.021	27	674
24	98.9167	346	1,307	0.009	11	298
23	96.4167	977	3,518	0.023	31	841
22	93.5833	993	3,390	0.023	29	855
21	91.0833	414	1,345	0.009	12	356
20	87.5	974	2,948	0.020	26	839
19	82.5	1,001	2,727	0.018	24	862
18	77.5	1,029	2,505	0.017	22	886
17	72.5	1,056	2,282	0.015	20	909
16	67.5	1,083	2,059	0.014	18	933
15	62.5	1,111	1,839	0.012	16	957
14	57.5	1,138	1,623	0.011	14	980
13	53.73	589	743	0.005	6	507
12	51.23	1,216	1,410	0.009	12	1,047
11	47.7717	2,240	2,291	0.015	20	1,929
10	45.2717	147	136	0.001	1	126
9	42.5	1,367	1,134	0.008	10	1,177
8	37.5	1,399	927	0.006	8	1,204
7	32.5	1,430	733	0.005	6	1,231
6	27.5	1,461	555	0.004	5	1,258
5	22.5	1,492	396	0.003	3	1,285
4	17.5	1,524	258	0.002	2	1,312
3	12.5	1,555	144	0.001	1	1,339
2	7.5	1,586	59	0.000	1	1,366
1	2.5	1,617	8	0.000	0	1,393
Samsung B2/B66A RRH-BR049	159	253	2,236	0.015	19	218
Samsung B5/B13 RRH-BR04C	159	211	1,862	0.012	16	182
Raycap RCMDC-6627-PF-48	159	32	283	0.002	2	28
Samsung MT6407-77A	159	245	2,162	0.014	19	211

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
Generic Mount Reinforcement	159	200	1,766	0.012	15	172
Generic Mount Reinforcement	159	200	1,766	0.012	15	172
Antel BXA-70063/6CF_	159	51	450	0.003	4	44
JMA Wireless MX06FRO660-03	159	360	3,179	0.021	28	310
Generic Square Platform with Handrails	159	3,790	33,464	0.223	291	3,264
VZW Unused Reserve (17494.20 sqin)	159	1,348	11,903	0.079	103	1,161
Generic Dish Reserve	150	1,835	14,596	0.097	127	1,580
		43,486	150,079	1.000	1,305	37,449

1.2D + 1.0Ev + 1.0Eh **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	-51.87	-1.31	0.00	-173.06	0.00	173.06	6,681.23	1,671.05	9,056	8,244.36	0.00	0.00	0.03
5.00	-49.90	-1.31	0.00	-166.53	0.00	166.53	6,592.66	1,638.80	8,710	7,976.78	0.00	-0.01	0.03
10.00	-47.98	-1.31	0.00	-159.98	0.00	159.98	6,502.50	1,606.56	8,371	7,711.57	0.01	-0.01	0.03
15.00	-46.09	-1.32	0.00	-153.41	0.00	153.41	6,410.75	1,574.31	8,038	7,448.85	0.03	-0.02	0.03
20.00	-44.24	-1.32	0.00	-146.84	0.00	146.84	6,317.41	1,542.06	7,712	7,188.72	0.05	-0.02	0.03
25.00	-42.43	-1.31	0.00	-140.26	0.00	140.26	6,222.49	1,509.81	7,393	6,931.31	0.08	-0.03	0.03
30.00	-40.66	-1.31	0.00	-133.68	0.00	133.68	6,125.98	1,477.57	7,081	6,676.72	0.11	-0.04	0.03
35.00	-38.93	-1.31	0.00	-127.12	0.00	127.12	6,027.87	1,445.32	6,775	6,425.08	0.15	-0.04	0.03
40.00	-37.23	-1.30	0.00	-120.59	0.00	120.59	5,928.18	1,413.07	6,476	6,176.49	0.20	-0.05	0.03
45.00	-37.05	-1.30	0.00	-114.09	0.00	114.09	5,826.91	1,380.82	6,184	5,931.07	0.25	-0.05	0.03
45.54	-34.28	-1.28	0.00	-113.38	0.00	113.38	5,815.80	1,377.32	6,153	5,904.60	0.25	-0.05	0.03
50.00	-32.77	-1.27	0.00	-107.68	0.00	107.68	5,708.97	1,348.58	5,898	5,673.97	0.31	-0.06	0.03
52.46	-32.04	-1.26	0.00	-104.56	0.00	104.56	4,861.01	1,188.97	5,240	4,874.46	0.34	-0.06	0.03
55.00	-30.63	-1.25	0.00	-101.35	0.00	101.35	4,819.20	1,174.63	5,114	4,773.76	0.38	-0.07	0.03
60.00	-29.25	-1.24	0.00	-95.09	0.00	95.09	4,735.71	1,146.42	4,871	4,577.35	0.45	-0.07	0.03
65.00	-27.91	-1.22	0.00	-88.91	0.00	88.91	4,650.62	1,118.20	4,635	4,383.46	0.53	-0.08	0.03
70.00	-26.60	-1.20	0.00	-82.81	0.00	82.81	4,563.95	1,089.98	4,404	4,192.19	0.62	-0.09	0.03
75.00	-25.33	-1.18	0.00	-76.80	0.00	76.80	4,475.68	1,061.77	4,179	4,003.66	0.72	-0.10	0.03
80.00	-24.09	-1.16	0.00	-70.89	0.00	70.89	4,375.37	1,033.55	3,960	3,808.88	0.82	-0.10	0.02
85.00	-22.88	-1.13	0.00	-65.09	0.00	65.09	4,255.92	1,005.34	3,746	3,602.71	0.93	-0.11	0.02
90.00	-22.37	-1.12	0.00	-59.43	0.00	59.43	4,136.47	977.12	3,539	3,402.29	1.05	-0.12	0.02
92.17	-21.14	-1.09	0.00	-56.99	0.00	56.99	4,084.71	964.89	3,451	3,317.22	1.11	-0.12	0.02
95.00	-19.93	-1.06	0.00	-53.90	0.00	53.90	4,017.02	948.90	3,338	3,207.60	1.18	-0.12	0.02
97.83	-19.50	-1.05	0.00	-50.89	0.00	50.89	3,401.76	816.61	2,884	2,731.66	1.25	-0.13	0.02
100.00	-18.53	-1.02	0.00	-48.62	0.00	48.62	3,369.57	806.13	2,810	2,670.76	1.31	-0.13	0.02
105.00	-17.59	-0.99	0.00	-43.51	0.00	43.51	3,294.16	781.95	2,644	2,531.89	1.46	-0.14	0.02
110.00	-16.68	-0.96	0.00	-38.54	0.00	38.54	3,207.85	757.76	2,483	2,388.54	1.61	-0.15	0.02
115.00	-15.80	-0.93	0.00	-33.73	0.00	33.73	3,105.46	733.57	2,327	2,237.75	1.76	-0.15	0.02
120.00	-14.94	-0.90	0.00	-29.08	0.00	29.08	3,003.08	709.39	2,176	2,091.87	1.93	-0.16	0.02
125.00	-14.12	-0.86	0.00	-24.60	0.00	24.60	2,900.69	685.20	2,030	1,950.91	2.10	-0.17	0.02
130.00	-13.32	-0.83	0.00	-20.29	0.00	20.29	2,798.31	661.02	1,890	1,814.87	2.28	-0.17	0.02
135.00	-12.58	-0.79	0.00	-16.16	0.00	16.16	2,695.92	636.83	1,754	1,683.75	2.46	-0.18	0.01
139.83	-12.54	-0.79	0.00	-12.35	0.00	12.35	2,596.95	613.45	1,628	1,561.66	2.65	-0.18	0.01
140.00	-11.62	-0.74	0.00	-12.22	0.00	12.22	2,593.54	612.65	1,623	1,557.54	2.65	-0.18	0.01
144.17	-11.56	-0.73	0.00	-9.15	0.00	9.15	1,097.80	302.12	789	654.31	2.82	-0.19	0.03
145.00	-11.19	-0.71	0.00	-8.53	0.00	8.53	1,093.76	300.11	779	647.52	2.85	-0.19	0.02
150.00	-8.56	-0.56	0.00	-4.96	0.00	4.96	1,068.60	288.01	717	606.97	3.05	-0.19	0.02
155.00	-8.29	-0.54	0.00	-2.17	0.00	2.17	1,041.86	275.92	658	566.76	3.25	-0.20	0.01
159.00	0.00	-0.51	0.00	0.00	0.00	0.00	1,019.32	266.25	613	534.92	3.42	-0.20	0.00

0.9D - 1.0Ev + 1.0Eh **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	-36.06	-1.31	0.00	-171.35	0.00	171.35	6,681.23	1,671.05	9,056	8,244.36	0.00	0.00	0.03
5.00	-34.69	-1.31	0.00	-164.83	0.00	164.83	6,592.66	1,638.80	8,710	7,976.78	0.00	-0.01	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
10.00	-33.35	-1.31	0.00	-158.29	0.00	158.29	6,502.50	1,606.56	8,371	7,711.57	0.01	-0.01	0.03
15.00	-32.04	-1.31	0.00	-151.74	0.00	151.74	6,410.75	1,574.31	8,038	7,448.85	0.03	-0.02	0.03
20.00	-30.75	-1.31	0.00	-145.18	0.00	145.18	6,317.41	1,542.06	7,712	7,188.72	0.05	-0.02	0.03
25.00	-29.50	-1.31	0.00	-138.64	0.00	138.64	6,222.49	1,509.81	7,393	6,931.31	0.07	-0.03	0.03
30.00	-28.26	-1.30	0.00	-132.10	0.00	132.10	6,125.98	1,477.57	7,081	6,676.72	0.11	-0.03	0.02
35.00	-27.06	-1.30	0.00	-125.58	0.00	125.58	6,027.87	1,445.32	6,775	6,425.08	0.15	-0.04	0.02
40.00	-25.88	-1.29	0.00	-119.09	0.00	119.09	5,928.18	1,413.07	6,476	6,176.49	0.19	-0.05	0.02
45.00	-25.76	-1.29	0.00	-112.64	0.00	112.64	5,826.91	1,380.82	6,184	5,931.07	0.25	-0.05	0.02
45.54	-23.83	-1.27	0.00	-111.94	0.00	111.94	5,815.80	1,377.32	6,153	5,904.60	0.25	-0.05	0.02
50.00	-22.78	-1.26	0.00	-106.29	0.00	106.29	5,708.97	1,348.58	5,898	5,673.97	0.31	-0.06	0.02
52.46	-22.27	-1.25	0.00	-103.19	0.00	103.19	4,861.01	1,188.97	5,240	4,874.46	0.34	-0.06	0.03
55.00	-21.29	-1.24	0.00	-100.01	0.00	100.01	4,819.20	1,174.63	5,114	4,773.76	0.37	-0.07	0.03
60.00	-20.34	-1.22	0.00	-93.82	0.00	93.82	4,735.71	1,146.42	4,871	4,577.35	0.44	-0.07	0.03
65.00	-19.40	-1.21	0.00	-87.69	0.00	87.69	4,650.62	1,118.20	4,635	4,383.46	0.52	-0.08	0.02
70.00	-18.49	-1.19	0.00	-81.66	0.00	81.66	4,563.95	1,089.98	4,404	4,192.19	0.61	-0.09	0.02
75.00	-17.61	-1.17	0.00	-75.71	0.00	75.71	4,475.68	1,061.77	4,179	4,003.66	0.71	-0.09	0.02
80.00	-16.74	-1.14	0.00	-69.87	0.00	69.87	4,375.37	1,033.55	3,960	3,808.88	0.81	-0.10	0.02
85.00	-15.91	-1.12	0.00	-64.15	0.00	64.15	4,255.92	1,005.34	3,746	3,602.71	0.92	-0.11	0.02
90.00	-15.55	-1.11	0.00	-58.55	0.00	58.55	4,136.47	977.12	3,539	3,402.29	1.04	-0.12	0.02
92.17	-14.69	-1.08	0.00	-56.15	0.00	56.15	4,084.71	964.89	3,451	3,317.22	1.09	-0.12	0.02
95.00	-13.85	-1.05	0.00	-53.10	0.00	53.10	4,017.02	948.90	3,338	3,207.60	1.16	-0.12	0.02
97.83	-13.55	-1.04	0.00	-50.13	0.00	50.13	3,401.76	816.61	2,884	2,731.66	1.24	-0.13	0.02
100.00	-12.88	-1.01	0.00	-47.89	0.00	47.89	3,369.57	806.13	2,810	2,670.76	1.30	-0.13	0.02
105.00	-12.23	-0.98	0.00	-42.85	0.00	42.85	3,294.16	781.95	2,644	2,531.89	1.44	-0.14	0.02
110.00	-11.59	-0.95	0.00	-37.95	0.00	37.95	3,207.85	757.76	2,483	2,388.54	1.59	-0.14	0.02
115.00	-10.98	-0.92	0.00	-33.20	0.00	33.20	3,105.46	733.57	2,327	2,237.75	1.74	-0.15	0.02
120.00	-10.39	-0.88	0.00	-28.62	0.00	28.62	3,003.08	709.39	2,176	2,091.87	1.90	-0.16	0.02
125.00	-9.81	-0.85	0.00	-24.20	0.00	24.20	2,900.69	685.20	2,030	1,950.91	2.07	-0.17	0.02
130.00	-9.26	-0.81	0.00	-19.96	0.00	19.96	2,798.31	661.02	1,890	1,814.87	2.25	-0.17	0.01
135.00	-8.74	-0.78	0.00	-15.90	0.00	15.90	2,695.92	636.83	1,754	1,683.75	2.43	-0.18	0.01
139.83	-8.72	-0.77	0.00	-12.15	0.00	12.15	2,596.95	613.45	1,628	1,561.66	2.61	-0.18	0.01
140.00	-8.08	-0.73	0.00	-12.02	0.00	12.02	2,593.54	612.65	1,623	1,557.54	2.62	-0.18	0.01
144.17	-8.03	-0.72	0.00	-9.00	0.00	9.00	1,097.80	302.12	789	654.31	2.78	-0.18	0.02
145.00	-7.78	-0.70	0.00	-8.39	0.00	8.39	1,093.76	300.11	779	647.52	2.81	-0.18	0.02
150.00	-5.95	-0.55	0.00	-4.88	0.00	4.88	1,068.60	288.01	717	606.97	3.01	-0.19	0.01
155.00	-5.76	-0.53	0.00	-2.13	0.00	2.13	1,041.86	275.92	658	566.76	3.21	-0.19	0.01
159.00	0.00	-0.51	0.00	0.00	0.00	0.00	1,019.32	266.25	613	534.92	3.37	-0.19	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	24.38	0.00	52.16	0.00	0.00	2855.49	0.00	0.35
0.9D + 1.0W	24.37	0.00	39.12	0.00	0.00	2832.02	0.00	0.35
1.2D + 1.0Di + 1.0Wi	8.46	0.00	80.57	0.00	0.00	1061.25	52.46	0.14
1.2D + 1.0Ev + 1.0Eh	1.32	0.00	51.87	0.00	0.00	173.06	0.00	0.03
0.9D - 1.0Ev + 1.0Eh	1.31	0.00	36.06	0.00	0.00	171.35	0.00	0.03
1.0D + 1.0W	5.54	0.00	43.49	0.00	0.00	646.10	0.00	0.08

Base Plate & Anchor Rod Analysis

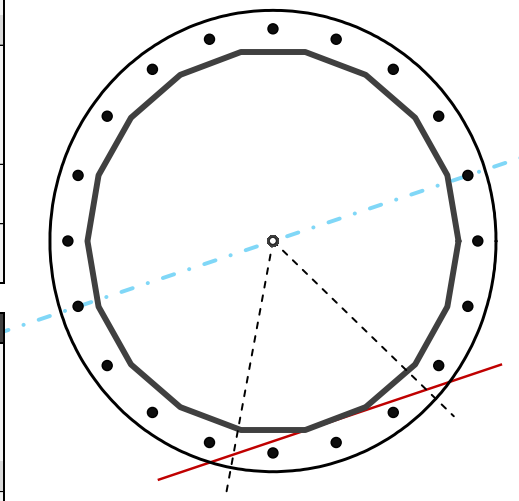
Pole Dimensions		
Number of Sides	18	-
Diameter	60.5	in
Thickness	1/2	in
Orientation Offset		°

Base Reactions		
Moment, Mu	2,855.5	k-ft
Axial, Pu	52.2	k
Shear, Vu	24.4	k
Neutral Axis	198	°

Report Capacities		
Component	Capacity	Result
Base Plate	15%	Pass
Anchor Rods	44%	Pass
Dwyidag	-	-

Base Plate		
Shape	Round	-
Diameter, ø	74	in
Thickness	2 3/4	in
Grade	A572-50	
Yield Strength, Fy	50	ksi
Tensile Strength, Fu	65	ksi
Clip	N/A	in
Orientation Offset		°
Anchor Rod Detail	d	η=0.5
Clear Distance	2 3/4	in
Applied Moment, Mu	449.6	k
Bending Stress, ϕMn	3076.0	k

Original Anchor Rods		
Arrangement	Radial	-
Quantity	20	-
Diameter, ø	2 1/4	in
Bolt Circle	68	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	10.7	in
Orientation Offset		°
Applied Force, Pu	107.0	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	24.4	2855.5	1.00
Anchor Rod Forces	24.4	2855.5	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	93.7700	5.2094	0.4359		42204.35
Bolt	3.9761	3.2477	0.8393	4.5	34983.37
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	74	in
Thickness, t	2.75	in
Yield Strength, Fy	50	ksi
Tensile Strength, Fu	65	ksi
Base Plate Chord	42.612	in
Detail Type	d	-
Detail Factor	0.50	-
Clear Distance	2.75	-

Anchor Rods		
Anchor Rod Quantity, N	20	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	68	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	107.0	k
Applied Shear, Vu	0.6	k
Compressive Capacity, ϕPn	243.6	k
Tensile Capacity, ϕRnt	0.439	OK
Interaction Capacity	0.444	OK

External Base Plate		
Chord Length AA	35.984	in
Additional AA	5.500	in
Section Modulus, Z	78.431	in^3
Applied Moment, Mu	449.6	k-ft
Bending Capacity, ϕMn	3529.4	k-ft
Capacity, Mu/ϕMn	0.127	OK
Chord Length AB	34.360	in
Additional AB	5.500	in
Section Modulus, Z	75.360	in^3
Applied Moment, Mu	304.3	k-ft
Bending Capacity, ϕMn	3391.2	k-ft
Capacity, Mu/ϕMn	0.090	OK
Bend Line Length	36.156	in
Additional Bend Line	0.000	in
Section Modulus, Z	68.357	in^3
Applied Moment, Mu	449.6	k-ft
Bending Capacity, ϕMn	3076.0	k-ft
Capacity, Mu/ϕMn	0.146	OK

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

Site Name: East Woodstock, CT CT, CT
Site Number: 415484
Tower Type: MP
Design Loads (Factored) - Analysis per TIA-222-H Standards

Monolithic Mat & Pier Foundation Analysis

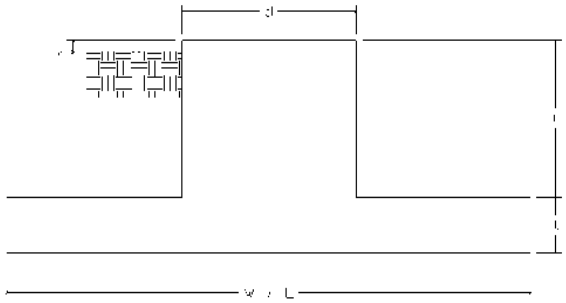
Foundation Analysis Parameters		
Design / Analysis / Mapping:	Analysis	-
Compression/Leg:	52.2	k
Uplift/Leg:	0.0	k
Total Shear:	24.4	k
Moment:	2,855.5	k-ft
Tower + Appurtenance Weight:	52.2	k
Depth to Base of Foundation (l + t - h):	5.25	ft
Diameter of Pier (d):	7.5	ft
Length of Pier (l):	3	ft
Height of Pier above Ground (h):	0.75	ft
Width of Pad (W):	31	ft
Length of Pad (L):	31	ft
Thickness of Pad (t):	3	ft
Tower Leg Center to Center:	0	ft
Number of Tower Legs:	1	-
Tower Center from Mat Center:	0	ft
Depth Below Ground Surface to Water Table:	15	ft
Unit Weight of Concrete:	150	pcf
Unit Weight of Soil Above Water Table:	125	pcf
Unit Weight of Water:	62.4	pcf
Unit Weight of Soil Below Water Table:	62.6	pcf
Friction Angle of Uplift:	15	°
Coefficient of Shear Friction:	0.5	-
Ultimate Compressive Bearing Pressure:	12,000	psf
Ultimate Passive Pressure on Pad Face:	0	psf
$f_{Soil\ and\ Concrete\ Weight}$:	0.9	-
f_{Soil}:	0.75	-

Overturning Moment Usage		
Design OTM:	3001.8	k-ft
OTM Resistance:	10790.5	k-ft
Design OTM / OTM Resistance:	28%	Pass

Soil Bearing Pressure Usage		
Net Bearing Pressure:	1424	psf
Factored Nominal Bearing Pressure:	9000	psf
Factored Nominal (Net) Bearing Pressure:	16%	Pass
Load Direction Controling Design Bearing Pressure:	*Diagonal to Pad Edge*	

Sliding Factor of Safety		
Ultimate Friction Resistance:	376.8	k
Ultimate Passive Pressure Resistance:	0.0	k
Total Factored Sliding Resistance:	282.6	k
Sliding Design / Sliding Resistance:	9%	Pass

Foundation Steel Parameters		
Shear/Leg (Compression):	16.3	k
Shear/Leg (Uplift):	13.4	k
Concrete Strength (f'_c):	4,000	psi
Pad Tension Steel Depth:	32.50	in
Dead Load Factor:	0.9	-
f_{Shear}:	0.75	-
$f_{Flexure\ /\ Tension}$:	0.9	-
$f_{Compression:}$	0.65	-
b:	0.85	-
Bottom Pad Rebar Size #:	8	-
# of Bottom Pad Rebar:	53	-
Pad Bottom Steel Area:	41.87	in^2
Pad Steel F_y:	60,000	psi
Top Pad Rebar Size #:	8	-
# of Top Pad Rebar:	31	-
Pad Top Steel Area:	24.49	in^2
Pier Rebar Size #:	8	-
Pier Steel Area (Single Bar):	0.79	in^2
# of Pier Rebar:	50	-
Pier Steel F_y:	60,000	psi
Pier Cage Diameter:	82.0	in
Rebar Strain Limit:	0.008	-
Steel Elastic Modulus:	29,000	ksi
Tie Rebar Size #:	4	-
Tie Steel Area (Single Bar):	0.20	in^2
Tie Spacing:	6	in
Tie Steel F_y:	60,000	psi
Clear Cover:	3	in



Pad Strength Capacity			
Factored One Way Shear (V_u):	236.8	k	
One Way Shear Capacity (fV_c):	1147.0	k	*ACI 318-14 25.5.5.1*
V_u / fV_c:	21%	Pass	
Load Direction Controling Shear Capacity:	*Parallel to Pad Edge*		
Lower Steel Pad Factored Moment (M_u):	1873.7	k-ft	
Lower Steel Pad Moment Capacity (fM_n):	5964.4	k-ft	*ACI 318-14 22.3.1.1*
M_u / fM_n:	31%	Pass	
Load Direction Controling Flexural Capacity:	*Parallel to Pad Edge*		
Upper Steel Pad Factored Moment (M_u):	815.2	k-ft	
Upper Steel Pad Moment Capacity (fM_n):	3527.2	k-ft	
M_u / fM_n:	23%	Pass	
Lower Pad Flexural Reinforcement Ratio:	0.0035		*OK - ACI 318-14 7.6.1.1 & 8.6.1.1*
Upper Pad Flexural Reinforcement Ratio:	0.0020		*OK - ACI 318-14 7.6.1.1 & 8.6.1.1*
Pad Shrinkage Reinforcement Ratio:	0.0055		*OK - ACI 318-14 24.4.3.2*
Lower Pad Reinforcement Spacing:	7.0	in	*OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3*
Upper Pad Reinforcement Spacing:	12.2	in	*OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3*
Ultimate Punching Shear Stress, v_u:	28.98	psi	*ACI 318-14 R8.4.4.2.3*
Nominal Punching Shear Capacity (f_cv_c):	189.7	psi	*ACI 318-14 22.6.5.2*
v_u / f_cv_c:	15%	Pass	
Pier Moment Pad Flexure Transfer Ratio, γ_f:	0.60		*TIA-222-H 9.4.2*
Moment Transfer Effective Flexural Width, B_{eff}:	16.50	ft	*TIA-222-H 9.4.2*
Moment Transfer Through Pad Flexure:	21086.14	k-in	*TIA-222-H 9.4.2*
Moment Transfer Flexural Capacity ($fM_{sc,f}$):	39356.04	k-in	
g_fM_{sc} / $fM_{sc,f}$:	0%	Pass	

Pier Strength Capacity			
Factored Moment in Pier (M_u):	2928.6	k-ft	
Pier Moment Capacity (fM_n):	7126.2	k-ft	
M_u / fM_n:	41%	Pass	
Factored Shear in Pier (V_u):	24.4	k	
Pier Shear Capacity (fV_n):	822.0	k	*ACI 318-14 22.5.1.1*
V_u / fV_c:	3%	Pass	
Pier Shear Reinforcement Ratio:	0.0003		*OK - No Ties Necessary for Shear - ACI11.5.6.1*
Factored Tension in Pier (T_u):	0.0	k	
Pier Tension Capacity (fT_n):	2133.0	k	
T_u / fT_n:	0%	Pass	
Factored Compression in Pier (P_u):	52.2	k	
Pier Compression Capacity (fP_n):	11202.3	k	*ACI 318-14 22.4.2.1*
P_u / fP_n:	0%	Pass	
Pier Compression Reinforcement Ratio:	0.006		*OK - TIA-222-H 9.4.1*
Minimum Depth to Develop Vertical Rebar:	29	in	*ACI 318-14 25.4.2.3*
Minimum Hook Development Length:	19	in	*ACI 318-14 25.4.3.1*
Minimum Mat Thickness / Edge Distance from Pier:	22.0	in	
Minimum Foundation Depth:	4.27	ft	
$M_u/f_BM_n + T_u/f_TT_n$:	41%	Pass	

GPD Engineering And Architecture Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
(317) 295-3174

Maser Consulting Contact:
Peter.albano@colliersengineering.com
(856) 371-9457

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10084239
GPD Project #: 2021740.469181.02
Maser Project #: 21777431

July 9, 2021

Site Information	*Site ID:*	*469181-VZW / EAST WOODSTOCK CT*
	Site Name:	*EAST WOODSTOCK CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*445 Prospect St.*
		Woodstock, Connecticut 06281, Windham County
	Latitude:	*42.014830°*
	Longitude:	*-71.980692°*
Structure Information	*Tower Type:*	*160-Ft Monopole*
	Mount Type:	*13.54-Ft Platform Mount*

FUZE ID # 16272086

Analysis Results

Platform Mount: **59.6% 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: Eric Nieto

Respectfully Submitted by:

Christopher J. Scheks, P.E.
Connecticut #: 0030026

7/9/2021

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: 606709, dated 2/26/2021
Mount Mapping Report	Structural Components Site #: 415484, dated 3/28/2021
Previous Mount Analysis Report	GPD Project #: 2021740.469181.01, dated 6/30/2021
Proposed Mount Modification Design	GPD Project #: 2021740.469181.02 Rev. 0, dated 7/9/2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	119 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.982
Seismic Parameters:	S_S:	0.182
	S_1:	0.056
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 (V17.0.2)	

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
157.00	160.00	6	JMA Wireless	MX06FRO660-02	Added
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48*	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Amphenol Antel	BXA-70063-6CF	Retained

* Equipment to be flush mounted directly to the Monopole. They are not mounted on the Platform Mount and are not included in this mount analysis.

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 GPD 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 GPD 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 GPD, 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. GPD is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	25.5 %	Pass
Toerail	26.8 %	Pass
Grating Angle	39.6 %	Pass
Grating Plate	42.7 %	Pass
Mount Pipe (P2 STD)	54.0 %	Pass
Mod Mount Pipe (P2.5 STD)	50.8 %	Pass
Mod Mount Pipe (P2 STD)	35.4 %	Pass
Mod Support Rail	30.8 %	Pass
Mod Kickers	28.5 %	Pass
Mod SR Corner Bracing	11.0 %	Pass
Mount Connection	59.6 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**59.6%**

Recommendation:

The existing mount 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
6. TIA Adoption Wind Speed Letter


03/28/2021


03/28/2021


2021. 3.

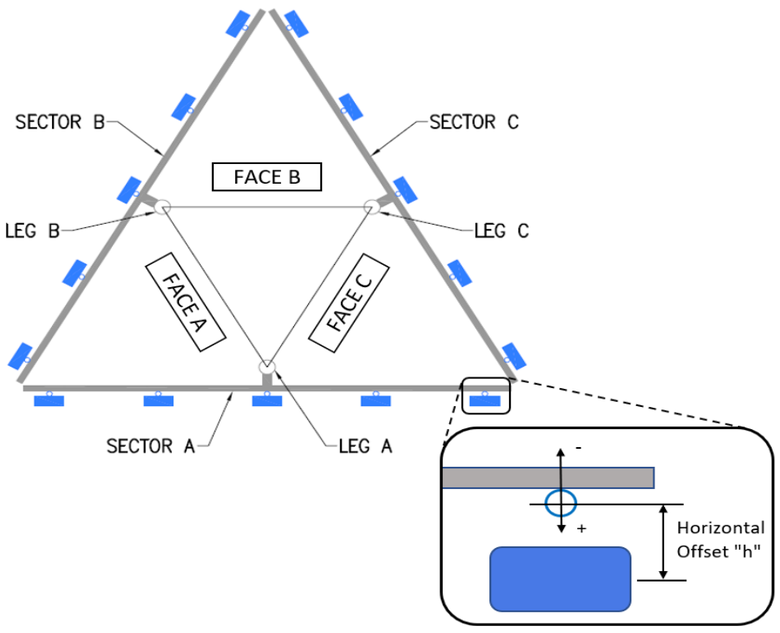
V3.0 Updated on 8-31-2020

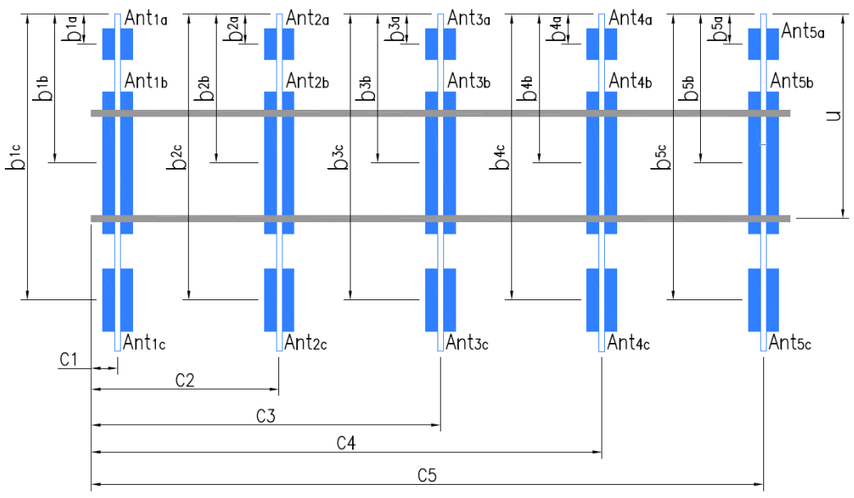
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
UNKNOWN

Tower Owner:	ATC	**Mapping Date:**	3/28/2021
Site Name:	ATC:EAST WOODSTOCK CT,VZW:EAST WOODSTOCK CT	**Tower Type:**	Monopole
Site Number or ID:	ATC:415484	**Tower Height (Ft.):**	159.5
Mapping Contractor:	RKS Design & Engineering LLC	**Mount Elevation (Ft.):**	157

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	Pipe 2.375"Ø X 0.15" X 102" Long	74.00	10.00	C1	Pipe 2.375"Ø X 0.15" X 102" Long	74.00	10.00
A2	Pipe 2.375"Ø X 0.15" X 102" Long	74.00	58.00	C2	Pipe 2.375"Ø X 0.15" X 102" Long	74.00	58.00
A3	Pipe 2.375"Ø X 0.15" X 102" Long	74.00	104.50	C3	Pipe 2.375"Ø X 0.15" X 102" Long	74.00	104.50
A4	Pipe 2.375"Ø X 0.15" X 102" Long	74.00	152.50	C4	Pipe 2.375"Ø X 0.15" X 102" Long	74.00	152.50
A5				C5			
A6				C6			
B1	Pipe 2.375"Ø X 0.15" X 102" Long	74.00	10.00	D1			
B2	Pipe 2.375"Ø X 0.15" X 102" Long	74.00	58.00	D2			
B3	Pipe 2.375"Ø X 0.15" X 102" Long	74.00	104.50	D3			
B4	Pipe 2.375"Ø X 0.15" X 102" Long	74.00	152.50	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

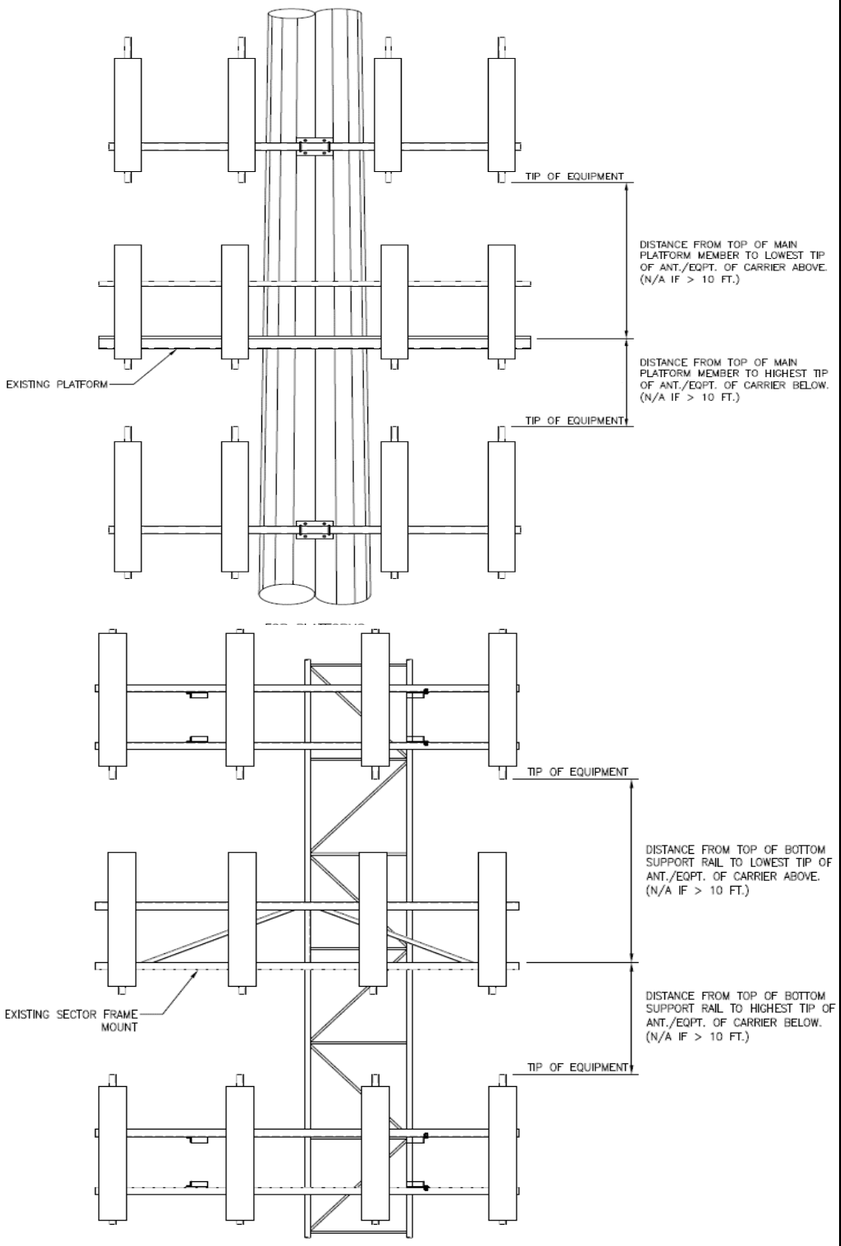
Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	26.6

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		159.5	44.00	14.50	110.00	24,191
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-171063-12CF-ED	6.10	4.10	72.40		159.417	45.00	10.50	110.00	24,191
Ant_{2c}										
Ant_{3a}	KS24822L1	15.00	10.00	16.50		160.979	26.25	-7.00		24,192
Ant_{3b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		159.542	43.50	10.50	110.00	24,192
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-171063-12CF-ED	6.10	4.10	72.40		159.333	46.00	9.00	110.00	24,192
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:	60.00	Deg	Leg A:		Deg
Sector B:	150.00	Deg	Leg B:		Deg
Sector C:	250.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	20.00	Deg	N/A
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		159.5	44.00	11.00	200.00	32,193
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-171063-12CF-ED	6.10	4.10	72.40		159.417	45.00	7.50	200.00	32,193
Ant_{2c}										
Ant_{3a}	KS24822L1	15.00	10.00	16.50		160.979	26.25	-7.00		32,194
Ant_{3b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		159.542	43.50	13.00	200.00	32,194
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-171063-12CF-ED	6.10	4.10	72.40		159.333	46.00	9.50	200.00	32,194
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48	15.70	10.20	25.60						32
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Sector C										
Ant_{1a}										
Ant_{1b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		159.5	44.00	11.00	300.00	39,195
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-171063-12CF-ED	6.10	4.10	72.40		159.417	45.00	8.00	300.00	39,195
Ant_{2c}										
Ant_{3a}	KS24822L1	15.00	10.00	16.50		160.979	26.25	-7.00		39,196
Ant_{3b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		159.542	43.50	9.50	300.00	39,196
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-171063-12CF-ED	6.10	4.10	72.40		159.333	46.00	7.50	300.00	39,196
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48	15.70	10.20	25.60						39
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1	COAX TOTAL (2): (2) 1.5"Ø	
2		
3		
4		
5		
6		
7		
8		

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

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

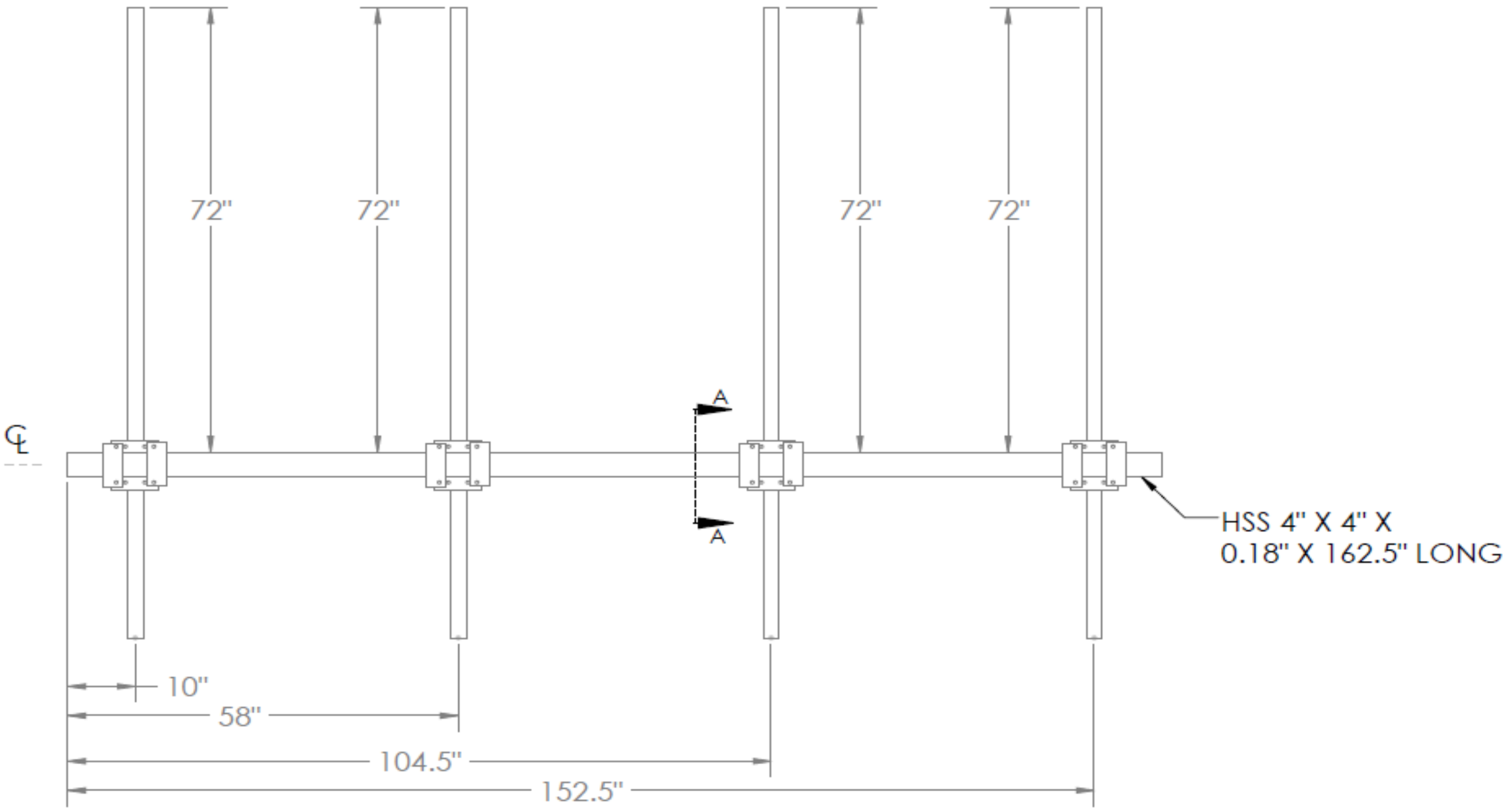
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

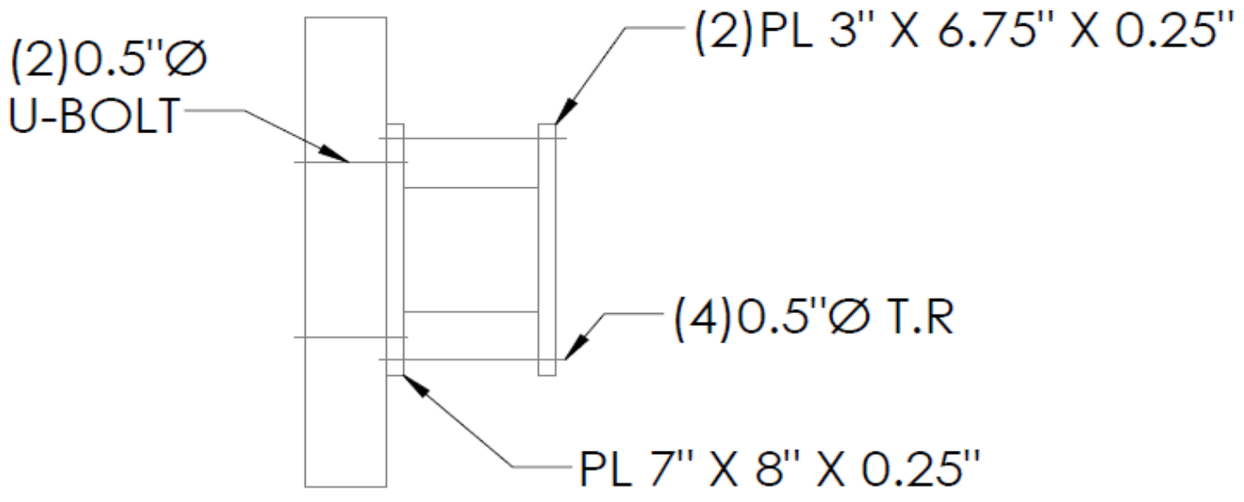
FCC #
UNKNOWN

Tower Owner:	ATC	**Mapping Date:**	3/28/2021
Site Name:	ATC:EAST WOODSTOCK CT,VZW:EAST WOODSTOCK CT	**Tower Type:**	Monopole
Site Number or ID:	ATC:415484	**Tower Height (Ft.):**	159.5
Mapping Contractor:	RKS Design & Engineering LLC	**Mount Elevation (Ft.):**	157

Please Insert Sketches of the Antenna Mount

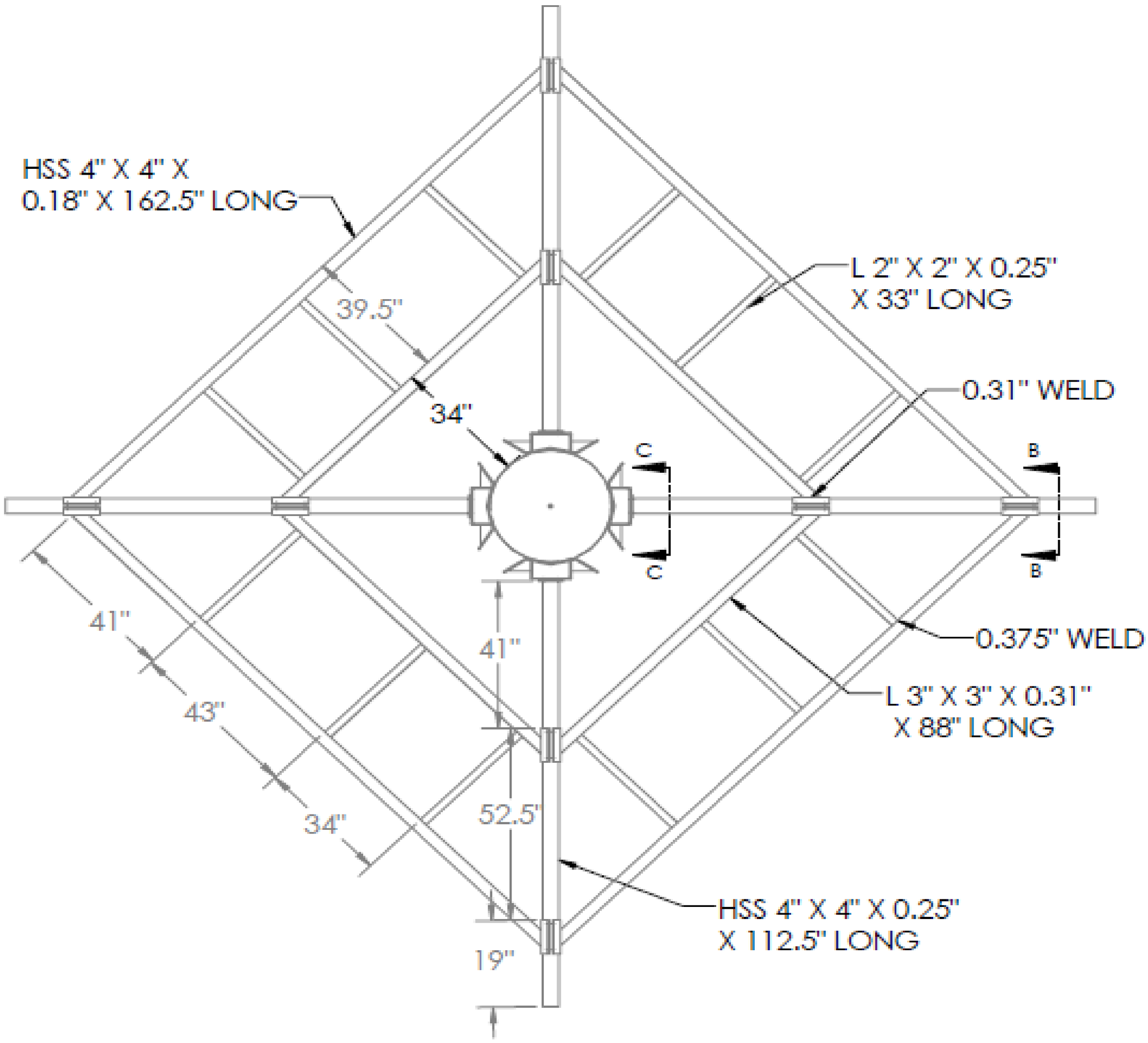


SECTION A,B & C



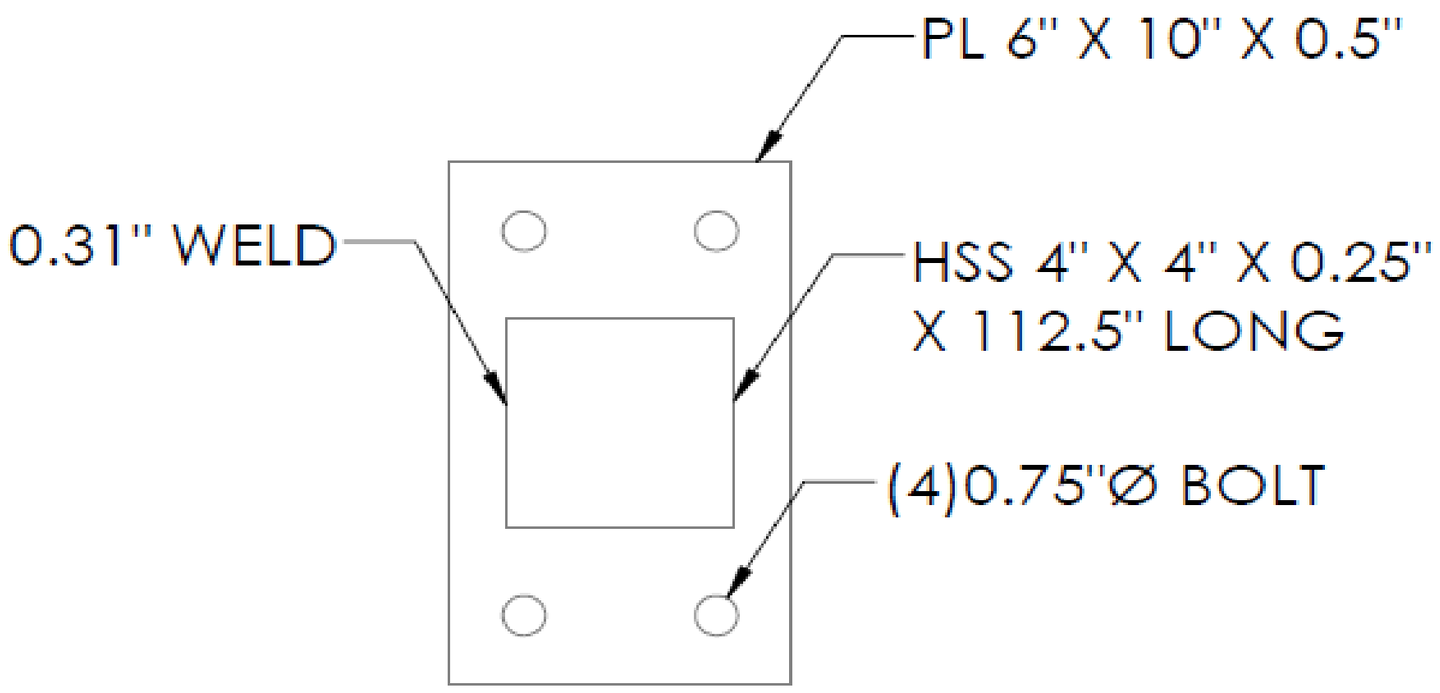
SECTION A-A

Please Insert Sketches of the Antenna Mount, cont'd

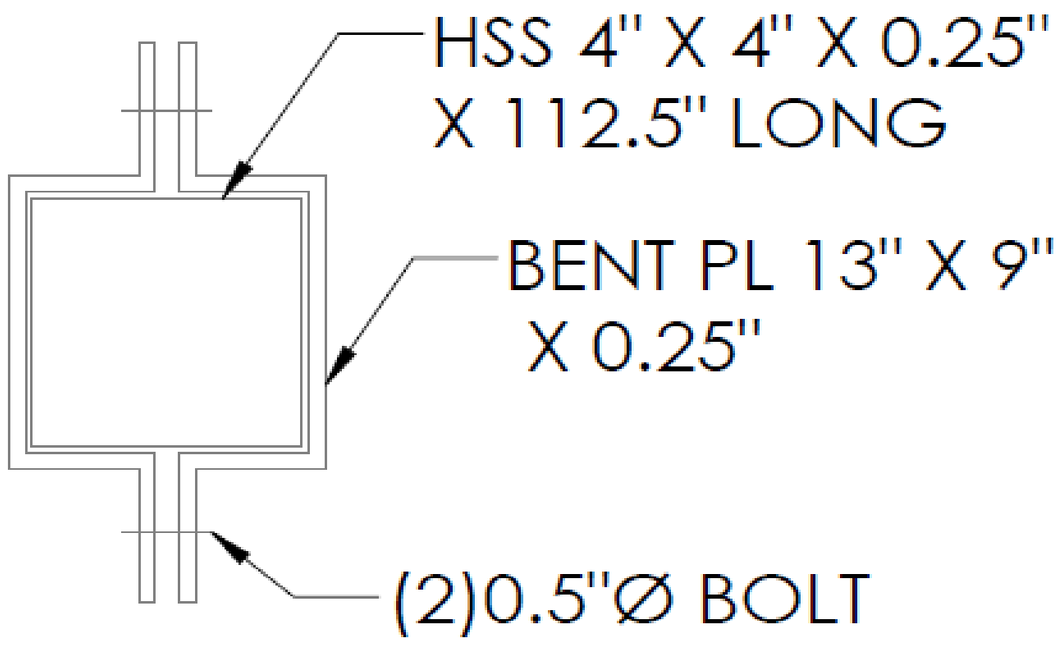


MOUNT VIEW

Please Insert Sketches of the Antenna Mount, cont'd

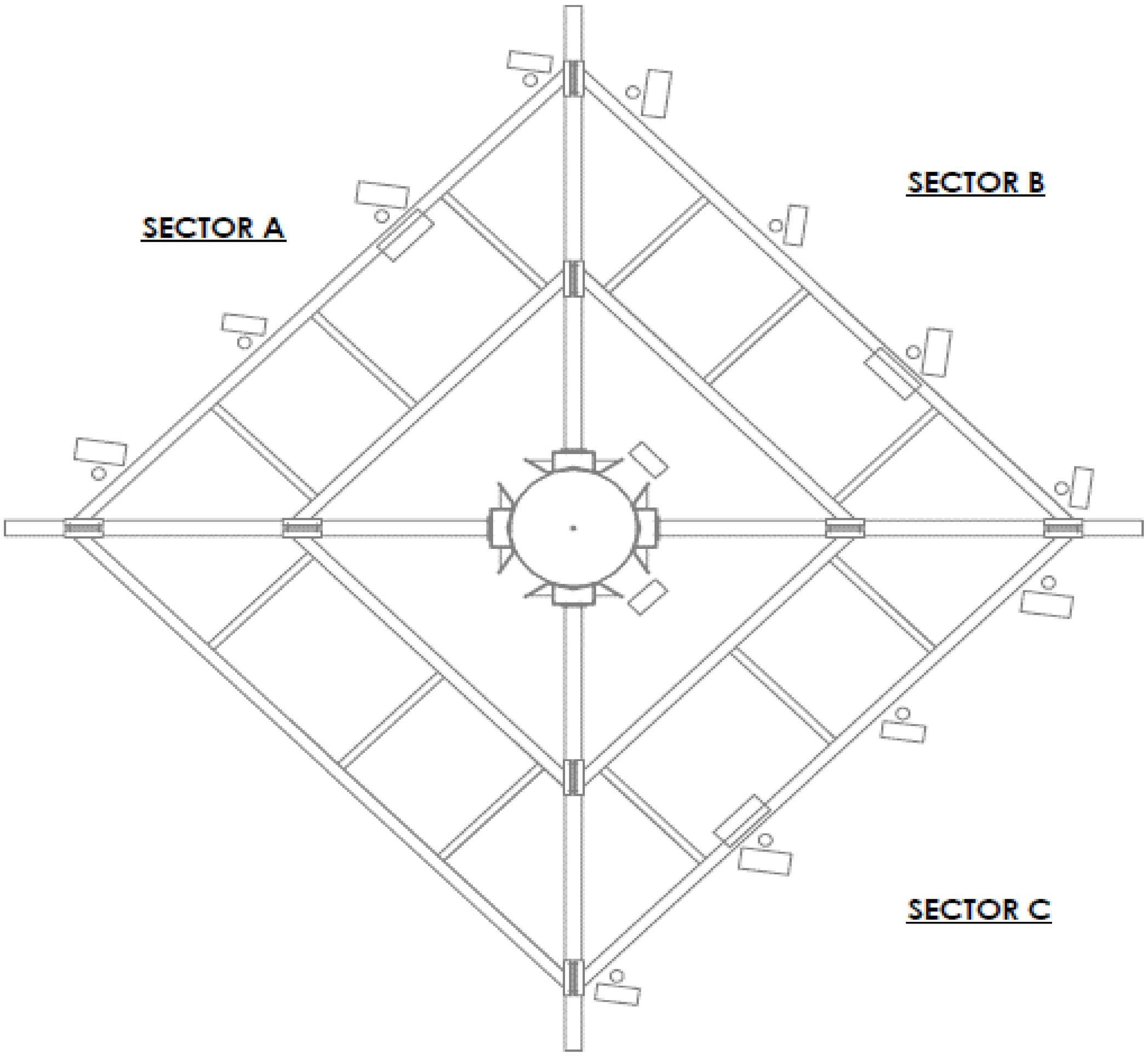


SECTION C-C

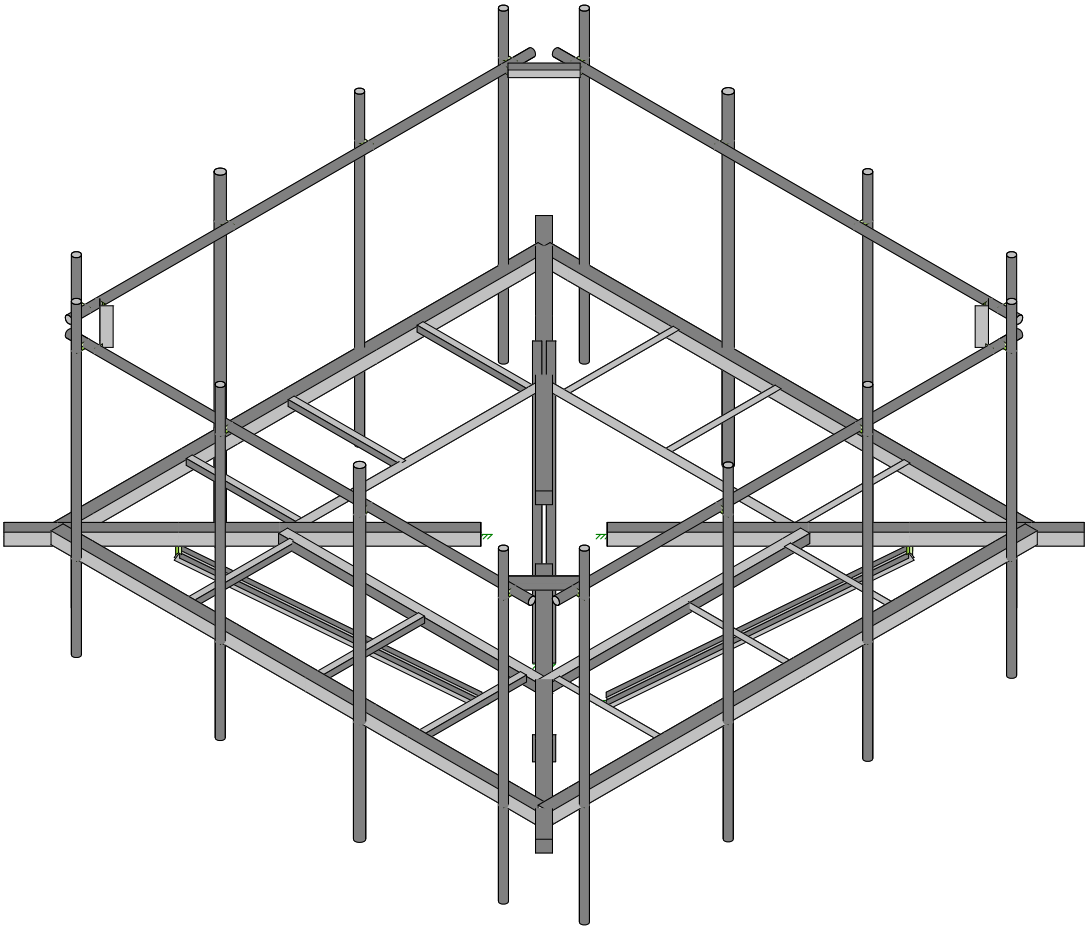


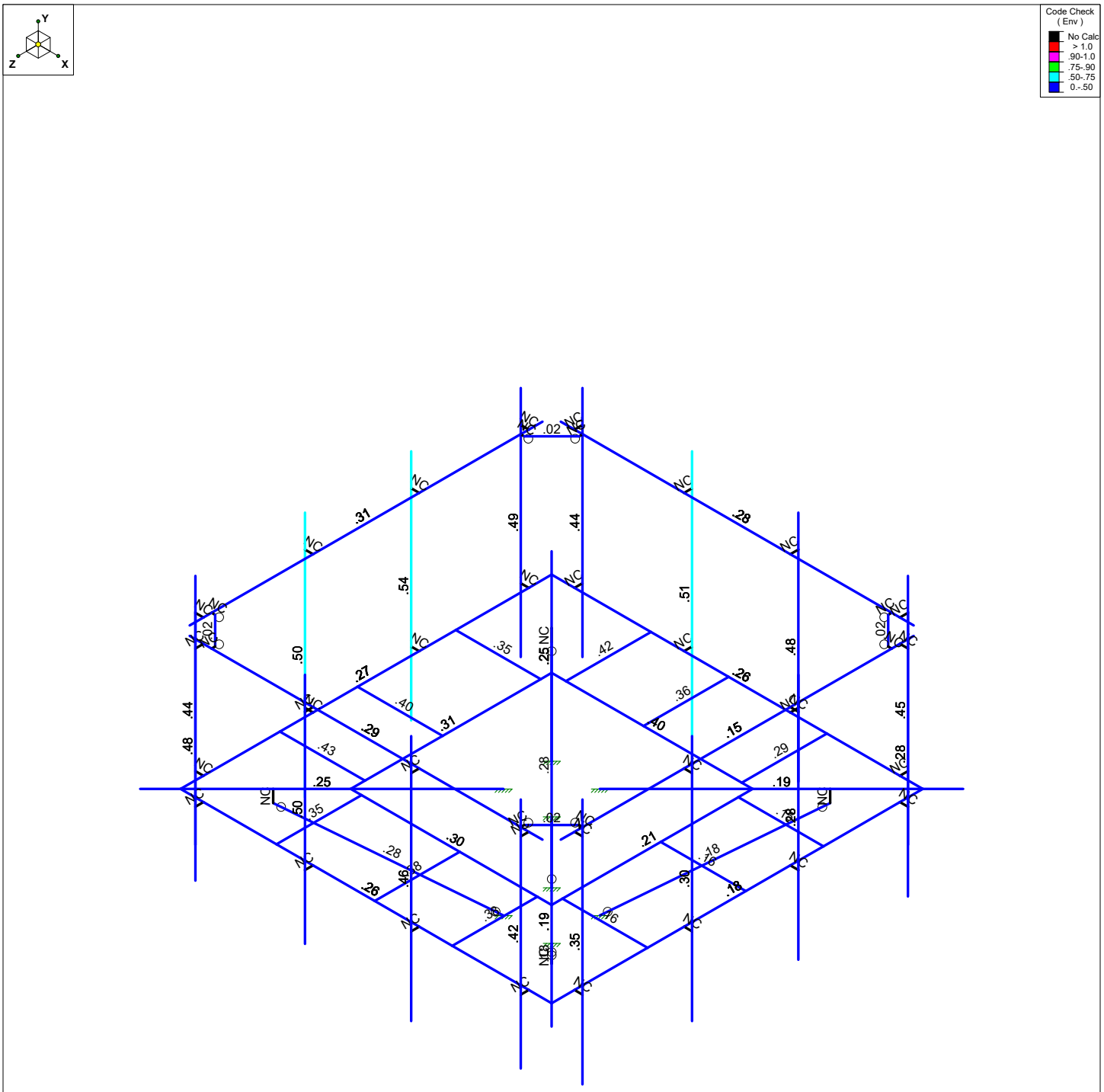
SECTION B-B

Please Insert Sketches of the Antenna Mount, cont'd

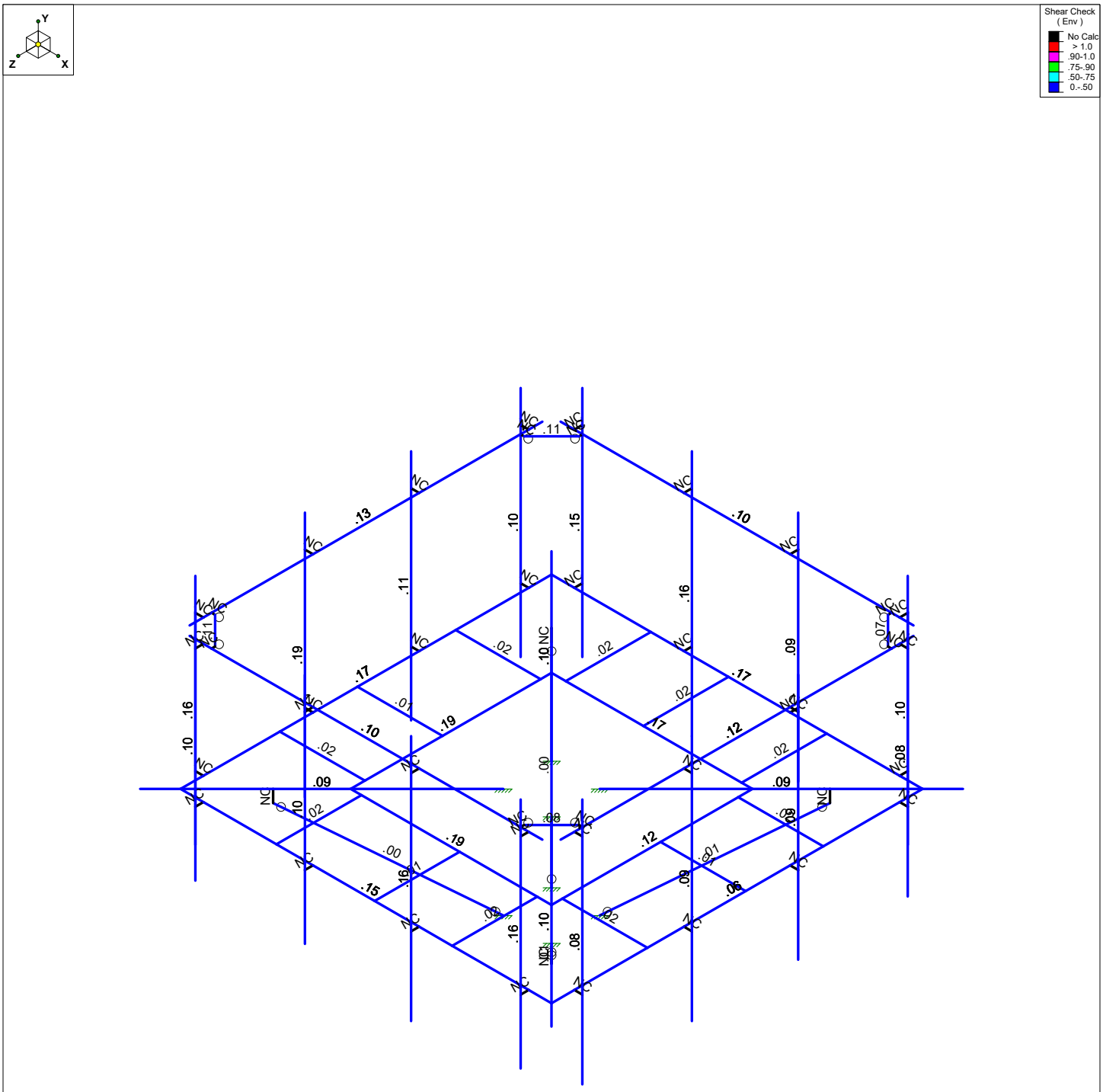


ANTENNA PLAN VIEW


Y
Z
X



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



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

Basic Load Cases

	BLC Description	Category	X Gra...	Y Gra...	Z Grav...	Joint	Point	Distrib...	Area(Member)	Surface(Plate/W...
1	Antenna D	None					90			
2	Antenna Di	None					90			
3	Antenna Wo (0 Deg)	None					90			
4	Antenna Wo (30 Deg)	None					90			
5	Antenna Wo (60 Deg)	None					90			
6	Antenna Wo (90 Deg)	None					90			
7	Antenna Wo (120 Deg)	None					90			
8	Antenna Wo (150 Deg)	None					90			
9	Antenna Wo (180 Deg)	None					90			
10	Antenna Wo (210 Deg)	None					90			
11	Antenna Wo (240 Deg)	None					90			
12	Antenna Wo (270 Deg)	None					90			
13	Antenna Wo (300 Deg)	None					90			
14	Antenna Wo (330 Deg)	None					90			
15	Antenna Wi (0 Deg)	None					90			
16	Antenna Wi (30 Deg)	None					90			
17	Antenna Wi (60 Deg)	None					90			
18	Antenna Wi (90 Deg)	None					90			
19	Antenna Wi (120 Deg)	None					90			
20	Antenna Wi (150 Deg)	None					90			
21	Antenna Wi (180 Deg)	None					90			
22	Antenna Wi (210 Deg)	None					90			
23	Antenna Wi (240 Deg)	None					90			
24	Antenna Wi (270 Deg)	None					90			
25	Antenna Wi (300 Deg)	None					90			
26	Antenna Wi (330 Deg)	None					90			
27	Antenna Wm (0 Deg)	None					90			
28	Antenna Wm (30 Deg)	None					90			
29	Antenna Wm (60 Deg)	None					90			
30	Antenna Wm (90 Deg)	None					90			
31	Antenna Wm (120 Deg)	None					90			
32	Antenna Wm (150 Deg)	None					90			
33	Antenna Wm (180 Deg)	None					90			
34	Antenna Wm (210 Deg)	None					90			
35	Antenna Wm (240 Deg)	None					90			
36	Antenna Wm (270 Deg)	None					90			
37	Antenna Wm (300 Deg)	None					90			
38	Antenna Wm (330 Deg)	None					90			
39	Structure D	None		-1					4	
40	Structure Di	None						52	4	
41	Structure Wo (0 Deg)	None						104		
42	Structure Wo (30 Deg)	None						104		
43	Structure Wo (60 Deg)	None						104		
44	Structure Wo (90 Deg)	None						104		
45	Structure Wo (120 Deg)	None						104		
46	Structure Wo (150 Deg)	None						104		
47	Structure Wo (180 Deg)	None						104		
48	Structure Wo (210 Deg)	None						104		
49	Structure Wo (240 Deg)	None						104		
50	Structure Wo (270 Deg)	None						104		
51	Structure Wo (300 Deg)	None						104		
52	Structure Wo (330 Deg)	None						104		
53	Structure Wi (0 Deg)	None						104		
54	Structure Wi (30 Deg)	None						104		
55	Structure Wi (60 Deg)	None						104		
56	Structure Wi (90 Deg)	None						104		

Basic Load Cases (Continued)

	BLC Description	Category	X Gra...	Y Gra...	Z Grav...	Joint	Point	Distrib...	Area(Member)	Surface(Plate/W...
57	Structure Wi (120 Deg)	None						104		
58	Structure Wi (150 Deg)	None						104		
59	Structure Wi (180 Deg)	None						104		
60	Structure Wi (210 Deg)	None						104		
61	Structure Wi (240 Deg)	None						104		
62	Structure Wi (270 Deg)	None						104		
63	Structure Wi (300 Deg)	None						104		
64	Structure Wi (330 Deg)	None						104		
65	Structure Wm (0 Deg)	None						104		
66	Structure Wm (30 Deg)	None						104		
67	Structure Wm (60 Deg)	None						104		
68	Structure Wm (90 Deg)	None						104		
69	Structure Wm (120 Deg)	None						104		
70	Structure Wm (150 Deg)	None						104		
71	Structure Wm (180 Deg)	None						104		
72	Structure Wm (210 Deg)	None						104		
73	Structure Wm (240 Deg)	None						104		
74	Structure Wm (270 Deg)	None						104		
75	Structure Wm (300 Deg)	None						104		
76	Structure Wm (330 Deg)	None						104		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Area Loads	None						124		
82	BLC 40 Transient Area Loads	None						124		

Load Combinations

	Description	S...	PDel...	SRSS	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Y...	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 Deg)	Y...	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)	Y...	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 Deg)	Y...	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 Deg)	Y...	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 Deg)	Y...	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 Deg)	Y...	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 Deg)	Y...	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 Deg)	Y...	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 Deg)	Y...	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 Deg)	Y...	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 Deg)	Y...	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Y...	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Description	S...	PDel...	SRSS	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (120 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (150 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (180 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (210 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (240 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (270 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (300 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (330 Deg)	Y...	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (120 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (150 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (180 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (210 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (240 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (270 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (300 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (330 Deg)	Y...	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Y...	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Y...	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Y...	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1.0Eh (0 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0Eh (30 Deg)		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.8...										
55	1.2D + 1.0Ev + 1.0Eh (60 Deg)		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0Eh (90 Deg)		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0Eh (120 Deg)		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0Eh (150 Deg)		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0Eh (180 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0Eh (210 Deg)		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0Eh (240 Deg)		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0Eh (270 Deg)		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0Eh (300 Deg)		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0Eh (330 Deg)		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.8...										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0.878277	0	0.878277	0	
2	N2	7.507403	0	7.507403	0	
3	N3	-0.878277	0	0.878277	0	
4	N4	-7.507403	0	7.507403	0	
5	N5	-0.878277	0	-0.878277	0	
6	N6	-7.507403	0	-7.507403	0	
7	N7	0.878277	0	-0.878277	0	
8	N8	7.507403	0	-7.507403	0	
9	N9	6.770833	0	6.770833	0	
10	N10	-6.770833	0	6.770833	0	
11	N11	-6.770833	0	-6.770833	0	
12	N12	6.770833	0	-6.770833	0	
13	N13	3.666667	0	3.666667	0	
14	N14	-3.666667	0	3.666667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N15	-3.666667	0	-3.666667	0	
16	N16	3.666667	0	-3.666667	0	
17	N17	-3.666667	0	3.145833	0	
18	N18	-6.770833	0	3.145833	0	
19	N19	-3.666667	0	0.3125	0	
20	N20	-6.770833	0	0.3125	0	
21	N21	-3.666667	0	-3.270833	0	
22	N22	-6.770833	0	-3.270833	0	
23	N23	-3.145833	0	-3.666667	0	
24	N24	-3.145833	0	-6.770833	0	
25	N25	-0.3125	0	-3.666667	0	
26	N26	-0.3125	0	-6.770833	0	
27	N27	3.270833	0	-3.666667	0	
28	N28	3.270833	0	-6.770833	0	
29	N29	3.666667	0	-3.145833	0	
30	N30	6.770833	0	-3.145833	0	
31	N31	3.666667	0	-0.3125	0	
32	N32	6.770833	0	-0.3125	0	
33	N33	3.666667	0	3.270833	0	
34	N34	6.770833	0	3.270833	0	
35	N35	3.145833	0	3.666667	0	
36	N36	3.145833	0	6.770833	0	
37	N37	0.3125	0	3.666667	0	
38	N38	0.3125	0	6.770833	0	
39	N39	-3.270833	0	3.666667	0	
40	N40	-3.270833	0	6.770833	0	
41	N41	-5.9375	0	6.770833	0	
42	N42	-5.9375	0	7.0625	0	
43	N43	-1.9375	0	6.770833	0	
44	N44	-1.9375	0	7.0625	0	
45	N45	1.9375	0	6.770833	0	
46	N46	1.9375	0	7.0625	0	
47	N47	5.9375	0	6.770833	0	
48	N48	5.9375	0	7.0625	0	
49	N49	-6.770833	0	5.9375	0	
50	N50	-7.0625	0	5.9375	0	
51	N51	-6.770833	0	1.9375	0	
52	N52	-7.0625	0	1.9375	0	
53	N53	-6.770833	0	-1.9375	0	
54	N54	-7.0625	0	-1.9375	0	
55	N55	-6.770833	0	-5.9375	0	
56	N56	-7.0625	0	-5.9375	0	
57	N57	-5.9375	0	-6.770833	0	
58	N58	-5.9375	0	-7.0625	0	
59	N59	-1.9375	0	-6.770833	0	
60	N60	-1.9375	0	-7.0625	0	
61	N61	1.9375	0	-6.770833	0	
62	N62	1.9375	0	-7.0625	0	
63	N63	5.9375	0	-6.770833	0	
64	N64	5.9375	0	-7.0625	0	
65	N65	-5.9375	6.166667	7.0625	0	
66	N66	-1.9375	6.166667	7.0625	0	
67	N67	1.9375	6.166667	7.0625	0	
68	N68	5.9375	6.166667	7.0625	0	
69	N69	-7.0625	6.166667	5.9375	0	
70	N70	-7.0625	6.166667	1.9375	0	
71	N71	-7.0625	6.166667	-1.9375	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N72	-7.0625	6.166667	-5.9375	0	
73	N73	-5.9375	6.166667	-7.0625	0	
74	N74	-1.9375	6.166667	-7.0625	0	
75	N75	1.9375	6.166667	-7.0625	0	
76	N76	5.9375	6.166667	-7.0625	0	
77	N77	-5.9375	-2.333333	7.0625	0	
78	N78	-1.9375	-2.333333	7.0625	0	
79	N79	1.9375	-2.833333	7.0625	0	
80	N80	5.9375	-2.333333	7.0625	0	
81	N81	-7.0625	-2.333333	5.9375	0	
82	N82	-7.0625	-2.833333	1.9375	0	
83	N83	-7.0625	-2.333333	-1.9375	0	
84	N84	-7.0625	-2.333333	-5.9375	0	
85	N85	-5.9375	-2.333333	-7.0625	0	
86	N86	-1.9375	-2.833333	-7.0625	0	
87	N87	1.9375	-2.333333	-7.0625	0	
88	N88	5.9375	-2.333333	-7.0625	0	
89	N89	7.0625	0	5.9375	0	
90	N90	7.0625	0	1.9375	0	
91	N91	7.0625	0	-1.9375	0	
92	N92	7.0625	0	-5.9375	0	
93	N93	7.0625	6.166667	5.9375	0	
94	N94	7.0625	6.166667	1.9375	0	
95	N95	7.0625	6.166667	-1.9375	0	
96	N96	7.0625	6.166667	-5.9375	0	
97	N97	7.0625	-2.833333	5.9375	0	
98	N98	7.0625	-2.833333	1.9375	0	
99	N99	7.0625	-2.833333	-1.9375	0	
100	N100	7.0625	-2.833333	-5.9375	0	
101	N101	6.770833	0	5.9375	0	
102	N102	6.770833	0	1.9375	0	
103	N103	6.770833	0	-1.9375	0	
104	N104	6.770833	0	-5.9375	0	
105	N105	7.0625	5	5.9375	0	
106	N106	7.0625	5	1.9375	0	
107	N107	7.0625	5	-1.9375	0	
108	N108	7.0625	5	-5.9375	0	
109	N109	6.770833	5	5.9375	0	
110	N110	6.770833	5	1.9375	0	
111	N111	6.770833	5	-1.9375	0	
112	N112	6.770833	5	-5.9375	0	
113	N113	6.770833	5	6.4375	0	
114	N114	6.770833	5	-6.4375	0	
115	N115	0.878277	-4	-0.878277	0	
116	N116	5.08088	0	-5.08088	0	
117	N117	5.08088	-0.447917	-5.08088	0	
118	N120	-5.9375	5	7.0625	0	
119	N121	-1.9375	5	7.0625	0	
120	N122	1.9375	5	7.0625	0	
121	N123	5.9375	5	7.0625	0	
122	N124	-5.9375	5	6.770833	0	
123	N125	-1.9375	5	6.770833	0	
124	N126	1.9375	5	6.770833	0	
125	N127	5.9375	5	6.770833	0	
126	N128	-6.4375	5	6.770833	0	
127	N129	6.4375	5	6.770833	0	
128	N130	0.878277	-4	0.878277	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N131	5.08088	0	5.08088	0	
130	N132	5.08088	-0.447917	5.08088	0	
131	N135	-7.0625	5	-5.9375	0	
132	N136	-7.0625	5	-1.9375	0	
133	N137	-7.0625	5	1.9375	0	
134	N138	-7.0625	5	5.9375	0	
135	N139	-6.770833	5	-5.9375	0	
136	N140	-6.770833	5	-1.9375	0	
137	N141	-6.770833	5	1.9375	0	
138	N142	-6.770833	5	5.9375	0	
139	N143	-6.770833	5	-6.4375	0	
140	N144	-6.770833	5	6.4375	0	
141	N145	-0.878277	-4	0.878277	0	
142	N146	-5.08088	0	5.08088	0	
143	N147	-5.08088	-0.447917	5.08088	0	
144	N150	5.9375	5	-7.0625	0	
145	N151	1.9375	5	-7.0625	0	
146	N152	-1.9375	5	-7.0625	0	
147	N153	-5.9375	5	-7.0625	0	
148	N154	5.9375	5	-6.770833	0	
149	N155	1.9375	5	-6.770833	0	
150	N156	-1.9375	5	-6.770833	0	
151	N157	-5.9375	5	-6.770833	0	
152	N158	6.4375	5	-6.770833	0	
153	N159	-6.4375	5	-6.770833	0	
154	N160	-0.878277	-4	-0.878277	0	
155	N161	-5.08088	0	-5.08088	0	
156	N162	-5.08088	-0.447917	-5.08088	0	
157	N157A	-5.63889	5	6.770833	0	
158	N158A	-5.63889	5	6.640625	0	
159	N159A	-6.770833	5	5.63889	0	
160	N160A	-6.640625	5	5.63889	0	
161	N161A	-6.770833	5	-5.63889	0	
162	N162A	-6.640625	5	-5.63889	0	
163	N163	-5.63889	5	-6.770833	0	
164	N164	-5.63889	5	-6.640625	0	
165	N165	5.63889	5	-6.770833	0	
166	N166	5.63889	5	-6.640625	0	
167	N167	6.770833	5	-5.63889	0	
168	N168	6.640625	5	-5.63889	0	
169	N169	6.770833	5	5.63889	0	
170	N170	6.640625	5	5.63889	0	
171	N171	5.63889	5	6.770833	0	
172	N172	5.63889	5	6.640625	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Desig..	A [in2]	Iyy [i...	Izz [i...	J [in4]
1	Standoff Horizontal	HSS4X4X4	None	None	A500 Gr.B RECT	Typical	3.37	7.8	7.8	12.8
2	Toerail	HSS4X4X3	None	None	A500 Gr.B RECT	Typical	2.58	6.21	6.21	10
3	Grating Angle	L3X3X5	None	None	A36 Gr.36	Typical	1.78	1.5	1.5	.06
4	Grating Plate	L2x2x4	None	None	A36 Gr.36	Typical	.944	.346	.346	.021
5	Mount Pipe (P2 STD)	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
6	Mod Mount Pipe (P2.5 STD)	PIPE_2.5	None	None	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
7	Mod Mount Pipe (P2 STD)	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	Mod Support Rail	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Desig..	A [in2]	Iyy [i...	Izz [i...	J [in4]
9	Mod SR Corner Bracing	WT3X8	None	None	A36 Gr.36	Typical	2.37	2.21	1.69	.111
10	Mod Kickers	L2.5x2.5x3x0.5	None	None	A36 Gr.36	Typical	1.805	2.703	1.093	.02

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (\1E5 F)	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	A500 Gr.C RND	29000	11154	.3	.65	.527	46	1.4	62	1.3
7	A500 Gr.C RECT	29000	11154	.3	.65	.527	50	1.4	62	1.3
8	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
9	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
10	A913 Gr.65	29000	11154	.3	.65	.49	65	1.1	80	1.1

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
1	M1	N1	N2			Standoff Horizontal	None	None	A500 Gr...	Typical
2	M2	N3	N4			Standoff Horizontal	None	None	A500 Gr...	Typical
3	M3	N5	N6			Standoff Horizontal	None	None	A500 Gr...	Typical
4	M4	N7	N8			Standoff Horizontal	None	None	A500 Gr...	Typical
5	M5	N9	N10			Toerail	None	None	A500 Gr...	Typical
6	M6	N10	N11			Toerail	None	None	A500 Gr...	Typical
7	M7	N11	N12			Toerail	None	None	A500 Gr...	Typical
8	M8	N12	N9			Toerail	None	None	A500 Gr...	Typical
9	M9	N13	N14		90	Grating Angle	None	None	A36 Gr.36	Typical
10	M10	N14	N15		90	Grating Angle	None	None	A36 Gr.36	Typical
11	M11	N15	N16		90	Grating Angle	None	None	A36 Gr.36	Typical
12	M12	N16	N13		90	Grating Angle	None	None	A36 Gr.36	Typical
13	M13	N17	N18		90	Grating Plate	None	None	A36 Gr.36	Typical
14	M14	N19	N20		90	Grating Plate	None	None	A36 Gr.36	Typical
15	M15	N21	N22		90	Grating Plate	None	None	A36 Gr.36	Typical
16	M16	N23	N24		90	Grating Plate	None	None	A36 Gr.36	Typical
17	M17	N25	N26		90	Grating Plate	None	None	A36 Gr.36	Typical
18	M18	N27	N28		90	Grating Plate	None	None	A36 Gr.36	Typical
19	M19	N29	N30		90	Grating Plate	None	None	A36 Gr.36	Typical
20	M20	N31	N32		90	Grating Plate	None	None	A36 Gr.36	Typical
21	M21	N33	N34		90	Grating Plate	None	None	A36 Gr.36	Typical
22	M22	N35	N36		90	Grating Plate	None	None	A36 Gr.36	Typical
23	M23	N37	N38		90	Grating Plate	None	None	A36 Gr.36	Typical
24	M24	N39	N40		90	Grating Plate	None	None	A36 Gr.36	Typical
25	M25	N41	N42			RIGID	None	None	RIGID	Typical
26	M26	N43	N44			RIGID	None	None	RIGID	Typical
27	M27	N45	N46			RIGID	None	None	RIGID	Typical
28	M28	N47	N48			RIGID	None	None	RIGID	Typical
29	M29	N49	N50			RIGID	None	None	RIGID	Typical
30	M30	N51	N52			RIGID	None	None	RIGID	Typical
31	M31	N53	N54			RIGID	None	None	RIGID	Typical
32	M32	N55	N56			RIGID	None	None	RIGID	Typical
33	M33	N57	N58			RIGID	None	None	RIGID	Typical
34	M34	N59	N60			RIGID	None	None	RIGID	Typical
35	M35	N61	N62			RIGID	None	None	RIGID	Typical
36	M36	N63	N64			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
37	MP1A	N68	N80			Mount Pipe (P2 STD)	None	None	A53 Gr.B	Typical
38	MP2A	N67	N79			Mod Mount Pipe (P2.5 STD)	None	None	A53 Gr.B	Typical
39	MP3A	N66	N78			Mount Pipe (P2 STD)	None	None	A53 Gr.B	Typical
40	MP4A	N65	N77			Mount Pipe (P2 STD)	None	None	A53 Gr.B	Typical
41	MP1B	N69	N81			Mount Pipe (P2 STD)	None	None	A53 Gr.B	Typical
42	MP2B	N70	N82			Mod Mount Pipe (P2.5 STD)	None	None	A53 Gr.B	Typical
43	MP3B	N71	N83			Mount Pipe (P2 STD)	None	None	A53 Gr.B	Typical
44	MP4B	N72	N84			Mount Pipe (P2 STD)	None	None	A53 Gr.B	Typical
45	MP1C	N73	N85			Mount Pipe (P2 STD)	None	None	A53 Gr.B	Typical
46	MP2C	N74	N86			Mod Mount Pipe (P2.5 STD)	None	None	A53 Gr.B	Typical
47	MP3C	N75	N87			Mount Pipe (P2 STD)	None	None	A53 Gr.B	Typical
48	MP4C	N76	N88			Mount Pipe (P2 STD)	None	None	A53 Gr.B	Typical
49	M49	N93	N97			Mod Mount Pipe (P2 STD)	None	None	A53 Gr.B	Typical
50	M50	N94	N98			Mod Mount Pipe (P2 STD)	None	None	A53 Gr.B	Typical
51	M51	N95	N99			Mod Mount Pipe (P2 STD)	None	None	A53 Gr.B	Typical
52	M52	N96	N100			Mod Mount Pipe (P2 STD)	None	None	A53 Gr.B	Typical
53	M53	N101	N89			RIGID	None	None	RIGID	Typical
54	M54	N102	N90			RIGID	None	None	RIGID	Typical
55	M55	N103	N91			RIGID	None	None	RIGID	Typical
56	M56	N104	N92			RIGID	None	None	RIGID	Typical
57	M57	N109	N105			RIGID	None	None	RIGID	Typical
58	M58	N110	N106			RIGID	None	None	RIGID	Typical
59	M59	N111	N107			RIGID	None	None	RIGID	Typical
60	M60	N112	N108			RIGID	None	None	RIGID	Typical
61	M61	N113	N114			Mod Support Rail	None	None	A53 Gr.B	Typical
62	M62	N116	N117			RIGID	None	None	RIGID	Typical
63	M63	N117	N115			Mod Kickers	None	None	A36 Gr.36	Typical
64	M65	N124	N120			RIGID	None	None	RIGID	Typical
65	M66	N125	N121			RIGID	None	None	RIGID	Typical
66	M67	N126	N122			RIGID	None	None	RIGID	Typical
67	M68	N127	N123			RIGID	None	None	RIGID	Typical
68	M69	N128	N129			Mod Support Rail	None	None	A53 Gr.B	Typical
69	M70	N131	N132			RIGID	None	None	RIGID	Typical
70	M71	N132	N130			Mod Kickers	None	None	A36 Gr.36	Typical
71	M73	N139	N135			RIGID	None	None	RIGID	Typical
72	M74	N140	N136			RIGID	None	None	RIGID	Typical
73	M75	N141	N137			RIGID	None	None	RIGID	Typical
74	M76	N142	N138			RIGID	None	None	RIGID	Typical
75	M77	N143	N144			Mod Support Rail	None	None	A53 Gr.B	Typical
76	M78	N146	N147			RIGID	None	None	RIGID	Typical
77	M79	N147	N145			Mod Kickers	None	None	A36 Gr.36	Typical
78	M81	N154	N150			RIGID	None	None	RIGID	Typical
79	M82	N155	N151			RIGID	None	None	RIGID	Typical
80	M83	N156	N152			RIGID	None	None	RIGID	Typical
81	M84	N157	N153			RIGID	None	None	RIGID	Typical
82	M85	N158	N159			Mod Support Rail	None	None	A53 Gr.B	Typical
83	M86	N161	N162			RIGID	None	None	RIGID	Typical
84	M87	N162	N160			Mod Kickers	None	None	A36 Gr.36	Typical
85	M96	N157A	N158A			RIGID	None	None	RIGID	Typical
86	M97	N159A	N160A			RIGID	None	None	RIGID	Typical
87	M98	N158A	N160A		270	Mod SR Corner Bracing	None	None	A36 Gr.36	Typical
88	M99	N161A	N162A			RIGID	None	None	RIGID	Typical
89	M100	N163	N164			RIGID	None	None	RIGID	Typical
90	M101	N162A	N164		270	Mod SR Corner Bracing	None	None	A36 Gr.36	Typical
91	M102	N165	N166			RIGID	None	None	RIGID	Typical
92	M103	N167	N168			RIGID	None	None	RIGID	Typical
93	M104	N166	N168		270	Mod SR Corner Bracing	None	None	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
94	M105	N169	N170			RIGID	None	None	RIGID	Typical
95	M106	N171	N172			RIGID	None	None	RIGID	Typical
96	M107	N170	N172		270	Mod SR Corner Bracing	None	None	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio Opti...	Analysis Offs...	Inactive	Seismi...
1	M1						Yes	** NA **			None
2	M2						Yes	** NA **			None
3	M3						Yes	** NA **			None
4	M4						Yes	** NA **			None
5	M5						Yes	** NA **			None
6	M6						Yes	** NA **			None
7	M7						Yes	** NA **			None
8	M8						Yes	** NA **			None
9	M9						Yes	** NA **			None
10	M10						Yes	** NA **			None
11	M11						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	M13						Yes	** NA **			None
14	M14						Yes	** NA **			None
15	M15						Yes	** NA **			None
16	M16						Yes	** NA **			None
17	M17						Yes	** NA **			None
18	M18						Yes	** NA **			None
19	M19						Yes	** NA **			None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	M23						Yes	** NA **			None
24	M24						Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	M28						Yes	** NA **			None
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31						Yes	** NA **			None
32	M32						Yes	** NA **			None
33	M33						Yes	** NA **			None
34	M34						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	MP1A						Yes	** NA **			None
38	MP2A						Yes	** NA **			None
39	MP3A						Yes	** NA **			None
40	MP4A						Yes	** NA **			None
41	MP1B						Yes	** NA **			None
42	MP2B						Yes	** NA **			None
43	MP3B						Yes	** NA **			None
44	MP4B						Yes	** NA **			None
45	MP1C						Yes	** NA **			None
46	MP2C						Yes	** NA **			None
47	MP3C						Yes	** NA **			None
48	MP4C						Yes	** NA **			None
49	M49						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio Opti...	Analysis Offs...	Inactive	Seismi...
50	M50						Yes	** NA **			None
51	M51						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55						Yes	** NA **			None
56	M56						Yes	** NA **			None
57	M57						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62						Yes	** NA **			None
63	M63	BenPIN	BenPIN				Yes	** NA **			None
64	M65						Yes	** NA **			None
65	M66						Yes	** NA **			None
66	M67						Yes	** NA **			None
67	M68						Yes	** NA **			None
68	M69						Yes	** NA **			None
69	M70						Yes	** NA **			None
70	M71	BenPIN	BenPIN				Yes	** NA **			None
71	M73						Yes	** NA **			None
72	M74						Yes	** NA **			None
73	M75						Yes	** NA **			None
74	M76						Yes	** NA **			None
75	M77						Yes	** NA **			None
76	M78						Yes	** NA **			None
77	M79	BenPIN	BenPIN				Yes	** NA **			None
78	M81						Yes	** NA **			None
79	M82						Yes	** NA **			None
80	M83						Yes	** NA **			None
81	M84						Yes	** NA **			None
82	M85						Yes	** NA **			None
83	M86						Yes	** NA **			None
84	M87	BenPIN	BenPIN				Yes	** NA **			None
85	M96	BenPIN					Yes	** NA **			None
86	M97	BenPIN					Yes	** NA **			None
87	M98						Yes	** NA **			None
88	M99	BenPIN					Yes	** NA **			None
89	M100	BenPIN					Yes	** NA **			None
90	M101						Yes	** NA **			None
91	M102	BenPIN					Yes	** NA **			None
92	M103	BenPIN					Yes	** NA **			None
93	M104						Yes	** NA **			None
94	M105	BenPIN					Yes	** NA **			None
95	M106	BenPIN					Yes	** NA **			None
96	M107						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-23	1.17
2	MP2A	My	-.02	1.17
3	MP2A	Mz	-.009	1.17
4	MP2A	Y	-23	5.17
5	MP2A	My	-.02	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mz	-.009	5.17
7	MP2B	Y	-23	1.17
8	MP2B	My	.006	1.17
9	MP2B	Mz	-.021	1.17
10	MP2B	Y	-23	5.17
11	MP2B	My	.006	5.17
12	MP2B	Mz	-.021	5.17
13	MP2C	Y	-23	1.17
14	MP2C	My	.022	1.17
15	MP2C	Mz	.002	1.17
16	MP2C	Y	-23	5.17
17	MP2C	My	.022	5.17
18	MP2C	Mz	.002	5.17
19	MP2A	Y	-23	1.17
20	MP2A	My	.009	1.17
21	MP2A	Mz	-.02	1.17
22	MP2A	Y	-23	5.17
23	MP2A	My	.009	5.17
24	MP2A	Mz	-.02	5.17
25	MP2B	Y	-23	1.17
26	MP2B	My	.021	1.17
27	MP2B	Mz	.006	1.17
28	MP2B	Y	-23	5.17
29	MP2B	My	.021	5.17
30	MP2B	Mz	.006	5.17
31	MP2C	Y	-23	1.17
32	MP2C	My	-.002	1.17
33	MP2C	Mz	.022	1.17
34	MP2C	Y	-23	5.17
35	MP2C	My	-.002	5.17
36	MP2C	Mz	.022	5.17
37	MP4A	Y	-43.55	2.17
38	MP4A	My	-.01	2.17
39	MP4A	Mz	-.027	2.17
40	MP4A	Y	-43.55	4.17
41	MP4A	My	-.01	4.17
42	MP4A	Mz	-.027	4.17
43	MP4B	Y	-43.55	2.17
44	MP4B	My	.025	2.17
45	MP4B	Mz	-.015	2.17
46	MP4B	Y	-43.55	4.17
47	MP4B	My	.025	4.17
48	MP4B	Mz	-.015	4.17
49	MP4C	Y	-43.55	2.17
50	MP4C	My	.019	2.17
51	MP4C	Mz	.022	2.17
52	MP4C	Y	-43.55	4.17
53	MP4C	My	.019	4.17
54	MP4C	Mz	.022	4.17
55	MP3A	Y	-84.4	2
56	MP3A	My	.042	2
57	MP3A	Mz	0	2
58	MP3B	Y	-84.4	2
59	MP3B	My	0	2
60	MP3B	Mz	.042	2
61	MP3C	Y	-84.4	2
62	MP3C	My	-.042	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP3C	Mz	0	2
64	MP3A	Y	-70.3	4
65	MP3A	My	.035	4
66	MP3A	Mz	0	4
67	MP3B	Y	-70.3	4
68	MP3B	My	0	4
69	MP3B	Mz	.035	4
70	MP3C	Y	-70.3	4
71	MP3C	My	-.035	4
72	MP3C	Mz	0	4
73	MP1A	Y	-8.5	1.17
74	MP1A	My	-.004	1.17
75	MP1A	Mz	-.01	1.17
76	MP1A	Y	-8.5	5.17
77	MP1A	My	-.004	5.17
78	MP1A	Mz	-.01	5.17
79	MP1B	Y	-8.5	1.17
80	MP1B	My	.007	1.17
81	MP1B	Mz	-.004	1.17
82	MP1B	Y	-8.5	5.17
83	MP1B	My	.007	5.17
84	MP1B	Mz	-.004	5.17
85	MP1C	Y	-8.5	1.17
86	MP1C	My	.005	1.17
87	MP1C	Mz	.006	1.17
88	MP1C	Y	-8.5	5.17
89	MP1C	My	.005	5.17
90	MP1C	Mz	.006	5.17

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-130.977	1.17
2	MP2A	My	-.112	1.17
3	MP2A	Mz	-.052	1.17
4	MP2A	Y	-130.977	5.17
5	MP2A	My	-.112	5.17
6	MP2A	Mz	-.052	5.17
7	MP2B	Y	-130.977	1.17
8	MP2B	My	.032	1.17
9	MP2B	Mz	-.119	1.17
10	MP2B	Y	-130.977	5.17
11	MP2B	My	.032	5.17
12	MP2B	Mz	-.119	5.17
13	MP2C	Y	-130.977	1.17
14	MP2C	My	.123	1.17
15	MP2C	Mz	.011	1.17
16	MP2C	Y	-130.977	5.17
17	MP2C	My	.123	5.17
18	MP2C	Mz	.011	5.17
19	MP2A	Y	-130.977	1.17
20	MP2A	My	.052	1.17
21	MP2A	Mz	-.112	1.17
22	MP2A	Y	-130.977	5.17
23	MP2A	My	.052	5.17
24	MP2A	Mz	-.112	5.17
25	MP2B	Y	-130.977	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2B	My	.119	1.17
27	MP2B	Mz	.032	1.17
28	MP2B	Y	-130.977	5.17
29	MP2B	My	.119	5.17
30	MP2B	Mz	.032	5.17
31	MP2C	Y	-130.977	1.17
32	MP2C	My	-.011	1.17
33	MP2C	Mz	.123	1.17
34	MP2C	Y	-130.977	5.17
35	MP2C	My	-.011	5.17
36	MP2C	Mz	.123	5.17
37	MP4A	Y	-57.471	2.17
38	MP4A	My	-.013	2.17
39	MP4A	Mz	-.036	2.17
40	MP4A	Y	-57.471	4.17
41	MP4A	My	-.013	4.17
42	MP4A	Mz	-.036	4.17
43	MP4B	Y	-57.471	2.17
44	MP4B	My	.033	2.17
45	MP4B	Mz	-.019	2.17
46	MP4B	Y	-57.471	4.17
47	MP4B	My	.033	4.17
48	MP4B	Mz	-.019	4.17
49	MP4C	Y	-57.471	2.17
50	MP4C	My	.025	2.17
51	MP4C	Mz	.029	2.17
52	MP4C	Y	-57.471	4.17
53	MP4C	My	.025	4.17
54	MP4C	Mz	.029	4.17
55	MP3A	Y	-72.906	2
56	MP3A	My	.036	2
57	MP3A	Mz	0	2
58	MP3B	Y	-72.906	2
59	MP3B	My	0	2
60	MP3B	Mz	.036	2
61	MP3C	Y	-72.906	2
62	MP3C	My	-.036	2
63	MP3C	Mz	0	2
64	MP3A	Y	-65.835	4
65	MP3A	My	.033	4
66	MP3A	Mz	0	4
67	MP3B	Y	-65.835	4
68	MP3B	My	0	4
69	MP3B	Mz	.033	4
70	MP3C	Y	-65.835	4
71	MP3C	My	-.033	4
72	MP3C	Mz	0	4
73	MP1A	Y	-83.693	1.17
74	MP1A	My	-.035	1.17
75	MP1A	Mz	-.095	1.17
76	MP1A	Y	-83.693	5.17
77	MP1A	My	-.035	5.17
78	MP1A	Mz	-.095	5.17
79	MP1B	Y	-83.693	1.17
80	MP1B	My	.066	1.17
81	MP1B	Mz	-.038	1.17
82	MP1B	Y	-83.693	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1B	My	.066	5.17
84	MP1B	Mz	-.038	5.17
85	MP1C	Y	-83.693	1.17
86	MP1C	My	.049	1.17
87	MP1C	Mz	.059	1.17
88	MP1C	Y	-83.693	5.17
89	MP1C	My	.049	5.17
90	MP1C	Mz	.059	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.17
2	MP2A	Z	-162.268	1.17
3	MP2A	Mx	.065	1.17
4	MP2A	X	0	5.17
5	MP2A	Z	-162.268	5.17
6	MP2A	Mx	.065	5.17
7	MP2B	X	0	1.17
8	MP2B	Z	-196.337	1.17
9	MP2B	Mx	.179	1.17
10	MP2B	X	0	5.17
11	MP2B	Z	-196.337	5.17
12	MP2B	Mx	.179	5.17
13	MP2C	X	0	1.17
14	MP2C	Z	-178.209	1.17
15	MP2C	Mx	-.015	1.17
16	MP2C	X	0	5.17
17	MP2C	Z	-178.209	5.17
18	MP2C	Mx	-.015	5.17
19	MP2A	X	0	1.17
20	MP2A	Z	-162.268	1.17
21	MP2A	Mx	.139	1.17
22	MP2A	X	0	5.17
23	MP2A	Z	-162.268	5.17
24	MP2A	Mx	.139	5.17
25	MP2B	X	0	1.17
26	MP2B	Z	-196.337	1.17
27	MP2B	Mx	-.048	1.17
28	MP2B	X	0	5.17
29	MP2B	Z	-196.337	5.17
30	MP2B	Mx	-.048	5.17
31	MP2C	X	0	1.17
32	MP2C	Z	-178.209	1.17
33	MP2C	Mx	-.167	1.17
34	MP2C	X	0	5.17
35	MP2C	Z	-178.209	5.17
36	MP2C	Mx	-.167	5.17
37	MP4A	X	0	2.17
38	MP4A	Z	-46.222	2.17
39	MP4A	Mx	.029	2.17
40	MP4A	X	0	4.17
41	MP4A	Z	-46.222	4.17
42	MP4A	Mx	.029	4.17
43	MP4B	X	0	2.17
44	MP4B	Z	-84.704	2.17
45	MP4B	Mx	.028	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4B	X	0	4.17
47	MP4B	Z	-84.704	4.17
48	MP4B	Mx	.028	4.17
49	MP4C	X	0	2.17
50	MP4C	Z	-64.228	2.17
51	MP4C	Mx	-.033	2.17
52	MP4C	X	0	4.17
53	MP4C	Z	-64.228	4.17
54	MP4C	Mx	-.033	4.17
55	MP3A	X	0	2
56	MP3A	Z	-79.18	2
57	MP3A	Mx	0	2
58	MP3B	X	0	2
59	MP3B	Z	-52.928	2
60	MP3B	Mx	-.026	2
61	MP3C	X	0	2
62	MP3C	Z	-79.18	2
63	MP3C	Mx	0	2
64	MP3A	X	0	4
65	MP3A	Z	-79.18	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	-42.871	4
69	MP3B	Mx	-.021	4
70	MP3C	X	0	4
71	MP3C	Z	-79.18	4
72	MP3C	Mx	0	4
73	MP1A	X	0	1.17
74	MP1A	Z	-96.866	1.17
75	MP1A	Mx	.11	1.17
76	MP1A	X	0	5.17
77	MP1A	Z	-96.866	5.17
78	MP1A	Mx	.11	5.17
79	MP1B	X	0	1.17
80	MP1B	Z	-142.774	1.17
81	MP1B	Mx	.065	1.17
82	MP1B	X	0	5.17
83	MP1B	Z	-142.774	5.17
84	MP1B	Mx	.065	5.17
85	MP1C	X	0	1.17
86	MP1C	Z	-118.347	1.17
87	MP1C	Mx	-.083	1.17
88	MP1C	X	0	5.17
89	MP1C	Z	-118.347	5.17
90	MP1C	Mx	-.083	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	93.778	1.17
2	MP2A	Z	-162.428	1.17
3	MP2A	Mx	-.015	1.17
4	MP2A	X	93.778	5.17
5	MP2A	Z	-162.428	5.17
6	MP2A	Mx	-.015	5.17
7	MP2B	X	84.714	1.17
8	MP2B	Z	-146.728	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.154	1.17
10	MP2B	X	84.714	5.17
11	MP2B	Z	-146.728	5.17
12	MP2B	Mx	.154	5.17
13	MP2C	X	101.748	1.17
14	MP2C	Z	-176.233	1.17
15	MP2C	Mx	.081	1.17
16	MP2C	X	101.748	5.17
17	MP2C	Z	-176.233	5.17
18	MP2C	Mx	.081	5.17
19	MP2A	X	93.778	1.17
20	MP2A	Z	-162.428	1.17
21	MP2A	Mx	.176	1.17
22	MP2A	X	93.778	5.17
23	MP2A	Z	-162.428	5.17
24	MP2A	Mx	.176	5.17
25	MP2B	X	84.714	1.17
26	MP2B	Z	-146.728	1.17
27	MP2B	Mx	.041	1.17
28	MP2B	X	84.714	5.17
29	MP2B	Z	-146.728	5.17
30	MP2B	Mx	.041	5.17
31	MP2C	X	101.748	1.17
32	MP2C	Z	-176.233	1.17
33	MP2C	Mx	-.174	1.17
34	MP2C	X	101.748	5.17
35	MP2C	Z	-176.233	5.17
36	MP2C	Mx	-.174	5.17
37	MP4A	X	37.392	2.17
38	MP4A	Z	-64.765	2.17
39	MP4A	Mx	.032	2.17
40	MP4A	X	37.392	4.17
41	MP4A	Z	-64.765	4.17
42	MP4A	Mx	.032	4.17
43	MP4B	X	27.154	2.17
44	MP4B	Z	-47.033	2.17
45	MP4B	Mx	.031	2.17
46	MP4B	X	27.154	4.17
47	MP4B	Z	-47.033	4.17
48	MP4B	Mx	.031	4.17
49	MP4C	X	46.395	2.17
50	MP4C	Z	-80.358	2.17
51	MP4C	Mx	-.021	2.17
52	MP4C	X	46.395	4.17
53	MP4C	Z	-80.358	4.17
54	MP4C	Mx	-.021	4.17
55	MP3A	X	36.308	2
56	MP3A	Z	-62.888	2
57	MP3A	Mx	.018	2
58	MP3B	X	29.745	2
59	MP3B	Z	-51.52	2
60	MP3B	Mx	-.026	2
61	MP3C	X	36.308	2
62	MP3C	Z	-62.888	2
63	MP3C	Mx	-.018	2
64	MP3A	X	35.051	4
65	MP3A	Z	-60.711	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3A	Mx	.018	4
67	MP3B	X	25.974	4
68	MP3B	Z	-44.989	4
69	MP3B	Mx	-.022	4
70	MP3C	X	35.051	4
71	MP3C	Z	-60.711	4
72	MP3C	Mx	-.018	4
73	MP1A	X	65.47	1.17
74	MP1A	Z	-113.398	1.17
75	MP1A	Mx	.102	1.17
76	MP1A	X	65.47	5.17
77	MP1A	Z	-113.398	5.17
78	MP1A	Mx	.102	5.17
79	MP1B	X	53.257	1.17
80	MP1B	Z	-92.243	1.17
81	MP1B	Mx	.085	1.17
82	MP1B	X	53.257	5.17
83	MP1B	Z	-92.243	5.17
84	MP1B	Mx	.085	5.17
85	MP1C	X	76.211	1.17
86	MP1C	Z	-132	1.17
87	MP1C	Mx	-.048	1.17
88	MP1C	X	76.211	5.17
89	MP1C	Z	-132	5.17
90	MP1C	Mx	-.048	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	180.28	1.17
2	MP2A	Z	-104.085	1.17
3	MP2A	Mx	-.113	1.17
4	MP2A	X	180.28	5.17
5	MP2A	Z	-104.085	5.17
6	MP2A	Mx	-.113	5.17
7	MP2B	X	135.076	1.17
8	MP2B	Z	-77.986	1.17
9	MP2B	Mx	.104	1.17
10	MP2B	X	135.076	5.17
11	MP2B	Z	-77.986	5.17
12	MP2B	Mx	.104	5.17
13	MP2C	X	180.28	1.17
14	MP2C	Z	-104.085	1.17
15	MP2C	Mx	.161	1.17
16	MP2C	X	180.28	5.17
17	MP2C	Z	-104.085	5.17
18	MP2C	Mx	.161	5.17
19	MP2A	X	180.28	1.17
20	MP2A	Z	-104.085	1.17
21	MP2A	Mx	.161	1.17
22	MP2A	X	180.28	5.17
23	MP2A	Z	-104.085	5.17
24	MP2A	Mx	.161	5.17
25	MP2B	X	135.076	1.17
26	MP2B	Z	-77.986	1.17
27	MP2B	Mx	.104	1.17
28	MP2B	X	135.076	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-77.986	5.17
30	MP2B	Mx	.104	5.17
31	MP2C	X	180.28	1.17
32	MP2C	Z	-104.085	1.17
33	MP2C	Mx	-.113	1.17
34	MP2C	X	180.28	5.17
35	MP2C	Z	-104.085	5.17
36	MP2C	Mx	-.113	5.17
37	MP4A	X	84.929	2.17
38	MP4A	Z	-49.034	2.17
39	MP4A	Mx	.011	2.17
40	MP4A	X	84.929	4.17
41	MP4A	Z	-49.034	4.17
42	MP4A	Mx	.011	4.17
43	MP4B	X	33.871	2.17
44	MP4B	Z	-19.556	2.17
45	MP4B	Mx	.026	2.17
46	MP4B	X	33.871	4.17
47	MP4B	Z	-19.556	4.17
48	MP4B	Mx	.026	4.17
49	MP4C	X	84.929	2.17
50	MP4C	Z	-49.034	2.17
51	MP4C	Mx	.011	2.17
52	MP4C	X	84.929	4.17
53	MP4C	Z	-49.034	4.17
54	MP4C	Mx	.011	4.17
55	MP3A	X	51.52	2
56	MP3A	Z	-29.745	2
57	MP3A	Mx	.026	2
58	MP3B	X	62.888	2
59	MP3B	Z	-36.308	2
60	MP3B	Mx	-.018	2
61	MP3C	X	51.52	2
62	MP3C	Z	-29.745	2
63	MP3C	Mx	-.026	2
64	MP3A	X	44.989	4
65	MP3A	Z	-25.974	4
66	MP3A	Mx	.022	4
67	MP3B	X	60.711	4
68	MP3B	Z	-35.051	4
69	MP3B	Mx	-.018	4
70	MP3C	X	44.989	4
71	MP3C	Z	-25.974	4
72	MP3C	Mx	-.022	4
73	MP1A	X	137.454	1.17
74	MP1A	Z	-79.359	1.17
75	MP1A	Mx	.033	1.17
76	MP1A	X	137.454	5.17
77	MP1A	Z	-79.359	5.17
78	MP1A	Mx	.033	5.17
79	MP1B	X	76.542	1.17
80	MP1B	Z	-44.191	1.17
81	MP1B	Mx	.081	1.17
82	MP1B	X	76.542	5.17
83	MP1B	Z	-44.191	5.17
84	MP1B	Mx	.081	5.17
85	MP1C	X	137.454	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1C	Z	-79.359	1.17
87	MP1C	Mx	.025	1.17
88	MP1C	X	137.454	5.17
89	MP1C	Z	-79.359	5.17
90	MP1C	Mx	.025	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	203.496	1.17
2	MP2A	Z	0	1.17
3	MP2A	Mx	-.174	1.17
4	MP2A	X	203.496	5.17
5	MP2A	Z	0	5.17
6	MP2A	Mx	-.174	5.17
7	MP2B	X	169.427	1.17
8	MP2B	Z	0	1.17
9	MP2B	Mx	.041	1.17
10	MP2B	X	169.427	5.17
11	MP2B	Z	0	5.17
12	MP2B	Mx	.041	5.17
13	MP2C	X	187.555	1.17
14	MP2C	Z	0	1.17
15	MP2C	Mx	.176	1.17
16	MP2C	X	187.555	5.17
17	MP2C	Z	0	5.17
18	MP2C	Mx	.176	5.17
19	MP2A	X	203.496	1.17
20	MP2A	Z	0	1.17
21	MP2A	Mx	.081	1.17
22	MP2A	X	203.496	5.17
23	MP2A	Z	0	5.17
24	MP2A	Mx	.081	5.17
25	MP2B	X	169.427	1.17
26	MP2B	Z	0	1.17
27	MP2B	Mx	.154	1.17
28	MP2B	X	169.427	5.17
29	MP2B	Z	0	5.17
30	MP2B	Mx	.154	5.17
31	MP2C	X	187.555	1.17
32	MP2C	Z	0	1.17
33	MP2C	Mx	-.015	1.17
34	MP2C	X	187.555	5.17
35	MP2C	Z	0	5.17
36	MP2C	Mx	-.015	5.17
37	MP4A	X	92.79	2.17
38	MP4A	Z	0	2.17
39	MP4A	Mx	-.021	2.17
40	MP4A	X	92.79	4.17
41	MP4A	Z	0	4.17
42	MP4A	Mx	-.021	4.17
43	MP4B	X	54.309	2.17
44	MP4B	Z	0	2.17
45	MP4B	Mx	.031	2.17
46	MP4B	X	54.309	4.17
47	MP4B	Z	0	4.17
48	MP4B	Mx	.031	4.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP4C	X	74.784	2.17
50	MP4C	Z	0	2.17
51	MP4C	Mx	.032	2.17
52	MP4C	X	74.784	4.17
53	MP4C	Z	0	4.17
54	MP4C	Mx	.032	4.17
55	MP3A	X	52.928	2
56	MP3A	Z	0	2
57	MP3A	Mx	.026	2
58	MP3B	X	79.18	2
59	MP3B	Z	0	2
60	MP3B	Mx	0	2
61	MP3C	X	52.928	2
62	MP3C	Z	0	2
63	MP3C	Mx	-.026	2
64	MP3A	X	42.871	4
65	MP3A	Z	0	4
66	MP3A	Mx	.021	4
67	MP3B	X	79.18	4
68	MP3B	Z	0	4
69	MP3B	Mx	0	4
70	MP3C	X	42.871	4
71	MP3C	Z	0	4
72	MP3C	Mx	-.021	4
73	MP1A	X	152.421	1.17
74	MP1A	Z	0	1.17
75	MP1A	Mx	-.063	1.17
76	MP1A	X	152.421	5.17
77	MP1A	Z	0	5.17
78	MP1A	Mx	-.063	5.17
79	MP1B	X	106.513	1.17
80	MP1B	Z	0	1.17
81	MP1B	Mx	.085	1.17
82	MP1B	X	106.513	5.17
83	MP1B	Z	0	5.17
84	MP1B	Mx	.085	5.17
85	MP1C	X	130.94	1.17
86	MP1C	Z	0	1.17
87	MP1C	Mx	.077	1.17
88	MP1C	X	130.94	5.17
89	MP1C	Z	0	5.17
90	MP1C	Mx	.077	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	154.334	1.17
2	MP2A	Z	89.105	1.17
3	MP2A	Mx	-.167	1.17
4	MP2A	X	154.334	5.17
5	MP2A	Z	89.105	5.17
6	MP2A	Mx	-.167	5.17
7	MP2B	X	170.033	1.17
8	MP2B	Z	98.169	1.17
9	MP2B	Mx	-.048	1.17
10	MP2B	X	170.033	5.17
11	MP2B	Z	98.169	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	-.048	5.17
13	MP2C	X	140.528	1.17
14	MP2C	Z	81.134	1.17
15	MP2C	Mx	.139	1.17
16	MP2C	X	140.528	5.17
17	MP2C	Z	81.134	5.17
18	MP2C	Mx	.139	5.17
19	MP2A	X	154.334	1.17
20	MP2A	Z	89.105	1.17
21	MP2A	Mx	-.015	1.17
22	MP2A	X	154.334	5.17
23	MP2A	Z	89.105	5.17
24	MP2A	Mx	-.015	5.17
25	MP2B	X	170.033	1.17
26	MP2B	Z	98.169	1.17
27	MP2B	Mx	.179	1.17
28	MP2B	X	170.033	5.17
29	MP2B	Z	98.169	5.17
30	MP2B	Mx	.179	5.17
31	MP2C	X	140.528	1.17
32	MP2C	Z	81.134	1.17
33	MP2C	Mx	.065	1.17
34	MP2C	X	140.528	5.17
35	MP2C	Z	81.134	5.17
36	MP2C	Mx	.065	5.17
37	MP4A	X	55.623	2.17
38	MP4A	Z	32.114	2.17
39	MP4A	Mx	-.033	2.17
40	MP4A	X	55.623	4.17
41	MP4A	Z	32.114	4.17
42	MP4A	Mx	-.033	4.17
43	MP4B	X	73.355	2.17
44	MP4B	Z	42.352	2.17
45	MP4B	Mx	.028	2.17
46	MP4B	X	73.355	4.17
47	MP4B	Z	42.352	4.17
48	MP4B	Mx	.028	4.17
49	MP4C	X	40.03	2.17
50	MP4C	Z	23.111	2.17
51	MP4C	Mx	.029	2.17
52	MP4C	X	40.03	4.17
53	MP4C	Z	23.111	4.17
54	MP4C	Mx	.029	4.17
55	MP3A	X	51.52	2
56	MP3A	Z	29.745	2
57	MP3A	Mx	.026	2
58	MP3B	X	62.888	2
59	MP3B	Z	36.308	2
60	MP3B	Mx	.018	2
61	MP3C	X	51.52	2
62	MP3C	Z	29.745	2
63	MP3C	Mx	-.026	2
64	MP3A	X	44.989	4
65	MP3A	Z	25.974	4
66	MP3A	Mx	.022	4
67	MP3B	X	60.711	4
68	MP3B	Z	35.051	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3B	Mx	.018	4
70	MP3C	X	44.989	4
71	MP3C	Z	25.974	4
72	MP3C	Mx	-.022	4
73	MP1A	X	102.491	1.17
74	MP1A	Z	59.173	1.17
75	MP1A	Mx	-.11	1.17
76	MP1A	X	102.491	5.17
77	MP1A	Z	59.173	5.17
78	MP1A	Mx	-.11	5.17
79	MP1B	X	123.646	1.17
80	MP1B	Z	71.387	1.17
81	MP1B	Mx	.065	1.17
82	MP1B	X	123.646	5.17
83	MP1B	Z	71.387	5.17
84	MP1B	Mx	.065	5.17
85	MP1C	X	83.889	1.17
86	MP1C	Z	48.433	1.17
87	MP1C	Mx	.083	1.17
88	MP1C	X	83.889	5.17
89	MP1C	Z	48.433	5.17
90	MP1C	Mx	.083	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	78.798	1.17
2	MP2A	Z	136.481	1.17
3	MP2A	Mx	-.122	1.17
4	MP2A	X	78.798	5.17
5	MP2A	Z	136.481	5.17
6	MP2A	Mx	-.122	5.17
7	MP2B	X	104.896	1.17
8	MP2B	Z	181.685	1.17
9	MP2B	Mx	-.14	1.17
10	MP2B	X	104.896	5.17
11	MP2B	Z	181.685	5.17
12	MP2B	Mx	-.14	5.17
13	MP2C	X	78.798	1.17
14	MP2C	Z	136.481	1.17
15	MP2C	Mx	.085	1.17
16	MP2C	X	78.798	5.17
17	MP2C	Z	136.481	5.17
18	MP2C	Mx	.085	5.17
19	MP2A	X	78.798	1.17
20	MP2A	Z	136.481	1.17
21	MP2A	Mx	-.085	1.17
22	MP2A	X	78.798	5.17
23	MP2A	Z	136.481	5.17
24	MP2A	Mx	-.085	5.17
25	MP2B	X	104.896	1.17
26	MP2B	Z	181.685	1.17
27	MP2B	Mx	.14	1.17
28	MP2B	X	104.896	5.17
29	MP2B	Z	181.685	5.17
30	MP2B	Mx	.14	5.17
31	MP2C	X	78.798	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	136.481	1.17
33	MP2C	Mx	.122	1.17
34	MP2C	X	78.798	5.17
35	MP2C	Z	136.481	5.17
36	MP2C	Mx	.122	5.17
37	MP4A	X	20.472	2.17
38	MP4A	Z	35.459	2.17
39	MP4A	Mx	-.027	2.17
40	MP4A	X	20.472	4.17
41	MP4A	Z	35.459	4.17
42	MP4A	Mx	-.027	4.17
43	MP4B	X	49.951	2.17
44	MP4B	Z	86.517	2.17
45	MP4B	Mx	0	2.17
46	MP4B	X	49.951	4.17
47	MP4B	Z	86.517	4.17
48	MP4B	Mx	0	4.17
49	MP4C	X	20.472	2.17
50	MP4C	Z	35.459	2.17
51	MP4C	Mx	.027	2.17
52	MP4C	X	20.472	4.17
53	MP4C	Z	35.459	4.17
54	MP4C	Mx	.027	4.17
55	MP3A	X	36.308	2
56	MP3A	Z	62.888	2
57	MP3A	Mx	.018	2
58	MP3B	X	29.745	2
59	MP3B	Z	51.52	2
60	MP3B	Mx	.026	2
61	MP3C	X	36.308	2
62	MP3C	Z	62.888	2
63	MP3C	Mx	-.018	2
64	MP3A	X	35.051	4
65	MP3A	Z	60.711	4
66	MP3A	Mx	.018	4
67	MP3B	X	25.974	4
68	MP3B	Z	44.989	4
69	MP3B	Mx	.022	4
70	MP3C	X	35.051	4
71	MP3C	Z	60.711	4
72	MP3C	Mx	-.018	4
73	MP1A	X	45.285	1.17
74	MP1A	Z	78.436	1.17
75	MP1A	Mx	-.108	1.17
76	MP1A	X	45.285	5.17
77	MP1A	Z	78.436	5.17
78	MP1A	Mx	-.108	5.17
79	MP1B	X	80.452	1.17
80	MP1B	Z	139.347	1.17
81	MP1B	Mx	0	1.17
82	MP1B	X	80.452	5.17
83	MP1B	Z	139.347	5.17
84	MP1B	Mx	0	5.17
85	MP1C	X	45.285	1.17
86	MP1C	Z	78.436	1.17
87	MP1C	Mx	.082	1.17
88	MP1C	X	45.285	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1C	Z	78.436	5.17
90	MP1C	Mx	.082	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.17
2	MP2A	Z	162.268	1.17
3	MP2A	Mx	-.065	1.17
4	MP2A	X	0	5.17
5	MP2A	Z	162.268	5.17
6	MP2A	Mx	-.065	5.17
7	MP2B	X	0	1.17
8	MP2B	Z	196.337	1.17
9	MP2B	Mx	-.179	1.17
10	MP2B	X	0	5.17
11	MP2B	Z	196.337	5.17
12	MP2B	Mx	-.179	5.17
13	MP2C	X	0	1.17
14	MP2C	Z	178.209	1.17
15	MP2C	Mx	.015	1.17
16	MP2C	X	0	5.17
17	MP2C	Z	178.209	5.17
18	MP2C	Mx	.015	5.17
19	MP2A	X	0	1.17
20	MP2A	Z	162.268	1.17
21	MP2A	Mx	-.139	1.17
22	MP2A	X	0	5.17
23	MP2A	Z	162.268	5.17
24	MP2A	Mx	-.139	5.17
25	MP2B	X	0	1.17
26	MP2B	Z	196.337	1.17
27	MP2B	Mx	.048	1.17
28	MP2B	X	0	5.17
29	MP2B	Z	196.337	5.17
30	MP2B	Mx	.048	5.17
31	MP2C	X	0	1.17
32	MP2C	Z	178.209	1.17
33	MP2C	Mx	.167	1.17
34	MP2C	X	0	5.17
35	MP2C	Z	178.209	5.17
36	MP2C	Mx	.167	5.17
37	MP4A	X	0	2.17
38	MP4A	Z	46.222	2.17
39	MP4A	Mx	-.029	2.17
40	MP4A	X	0	4.17
41	MP4A	Z	46.222	4.17
42	MP4A	Mx	-.029	4.17
43	MP4B	X	0	2.17
44	MP4B	Z	84.704	2.17
45	MP4B	Mx	-.028	2.17
46	MP4B	X	0	4.17
47	MP4B	Z	84.704	4.17
48	MP4B	Mx	-.028	4.17
49	MP4C	X	0	2.17
50	MP4C	Z	64.228	2.17
51	MP4C	Mx	.033	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	0	4.17
53	MP4C	Z	64.228	4.17
54	MP4C	Mx	.033	4.17
55	MP3A	X	0	2
56	MP3A	Z	79.18	2
57	MP3A	Mx	0	2
58	MP3B	X	0	2
59	MP3B	Z	52.928	2
60	MP3B	Mx	.026	2
61	MP3C	X	0	2
62	MP3C	Z	79.18	2
63	MP3C	Mx	0	2
64	MP3A	X	0	4
65	MP3A	Z	79.18	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	42.871	4
69	MP3B	Mx	.021	4
70	MP3C	X	0	4
71	MP3C	Z	79.18	4
72	MP3C	Mx	0	4
73	MP1A	X	0	1.17
74	MP1A	Z	96.866	1.17
75	MP1A	Mx	-.11	1.17
76	MP1A	X	0	5.17
77	MP1A	Z	96.866	5.17
78	MP1A	Mx	-.11	5.17
79	MP1B	X	0	1.17
80	MP1B	Z	142.774	1.17
81	MP1B	Mx	-.065	1.17
82	MP1B	X	0	5.17
83	MP1B	Z	142.774	5.17
84	MP1B	Mx	-.065	5.17
85	MP1C	X	0	1.17
86	MP1C	Z	118.347	1.17
87	MP1C	Mx	.083	1.17
88	MP1C	X	0	5.17
89	MP1C	Z	118.347	5.17
90	MP1C	Mx	.083	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-93.778	1.17
2	MP2A	Z	162.428	1.17
3	MP2A	Mx	.015	1.17
4	MP2A	X	-93.778	5.17
5	MP2A	Z	162.428	5.17
6	MP2A	Mx	.015	5.17
7	MP2B	X	-84.714	1.17
8	MP2B	Z	146.728	1.17
9	MP2B	Mx	-.154	1.17
10	MP2B	X	-84.714	5.17
11	MP2B	Z	146.728	5.17
12	MP2B	Mx	-.154	5.17
13	MP2C	X	-101.748	1.17
14	MP2C	Z	176.233	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mx	-.081	1.17
16	MP2C	X	-101.748	5.17
17	MP2C	Z	176.233	5.17
18	MP2C	Mx	-.081	5.17
19	MP2A	X	-93.778	1.17
20	MP2A	Z	162.428	1.17
21	MP2A	Mx	-.176	1.17
22	MP2A	X	-93.778	5.17
23	MP2A	Z	162.428	5.17
24	MP2A	Mx	-.176	5.17
25	MP2B	X	-84.714	1.17
26	MP2B	Z	146.728	1.17
27	MP2B	Mx	-.041	1.17
28	MP2B	X	-84.714	5.17
29	MP2B	Z	146.728	5.17
30	MP2B	Mx	-.041	5.17
31	MP2C	X	-101.748	1.17
32	MP2C	Z	176.233	1.17
33	MP2C	Mx	.174	1.17
34	MP2C	X	-101.748	5.17
35	MP2C	Z	176.233	5.17
36	MP2C	Mx	.174	5.17
37	MP4A	X	-37.392	2.17
38	MP4A	Z	64.765	2.17
39	MP4A	Mx	-.032	2.17
40	MP4A	X	-37.392	4.17
41	MP4A	Z	64.765	4.17
42	MP4A	Mx	-.032	4.17
43	MP4B	X	-27.154	2.17
44	MP4B	Z	47.033	2.17
45	MP4B	Mx	-.031	2.17
46	MP4B	X	-27.154	4.17
47	MP4B	Z	47.033	4.17
48	MP4B	Mx	-.031	4.17
49	MP4C	X	-46.395	2.17
50	MP4C	Z	80.358	2.17
51	MP4C	Mx	.021	2.17
52	MP4C	X	-46.395	4.17
53	MP4C	Z	80.358	4.17
54	MP4C	Mx	.021	4.17
55	MP3A	X	-36.308	2
56	MP3A	Z	62.888	2
57	MP3A	Mx	-.018	2
58	MP3B	X	-29.745	2
59	MP3B	Z	51.52	2
60	MP3B	Mx	.026	2
61	MP3C	X	-36.308	2
62	MP3C	Z	62.888	2
63	MP3C	Mx	.018	2
64	MP3A	X	-35.051	4
65	MP3A	Z	60.711	4
66	MP3A	Mx	-.018	4
67	MP3B	X	-25.974	4
68	MP3B	Z	44.989	4
69	MP3B	Mx	.022	4
70	MP3C	X	-35.051	4
71	MP3C	Z	60.711	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3C	Mx	.018	4
73	MP1A	X	-65.47	1.17
74	MP1A	Z	113.398	1.17
75	MP1A	Mx	-.102	1.17
76	MP1A	X	-65.47	5.17
77	MP1A	Z	113.398	5.17
78	MP1A	Mx	-.102	5.17
79	MP1B	X	-53.257	1.17
80	MP1B	Z	92.243	1.17
81	MP1B	Mx	-.085	1.17
82	MP1B	X	-53.257	5.17
83	MP1B	Z	92.243	5.17
84	MP1B	Mx	-.085	5.17
85	MP1C	X	-76.211	1.17
86	MP1C	Z	132	1.17
87	MP1C	Mx	.048	1.17
88	MP1C	X	-76.211	5.17
89	MP1C	Z	132	5.17
90	MP1C	Mx	.048	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-180.28	1.17
2	MP2A	Z	104.085	1.17
3	MP2A	Mx	.113	1.17
4	MP2A	X	-180.28	5.17
5	MP2A	Z	104.085	5.17
6	MP2A	Mx	.113	5.17
7	MP2B	X	-135.076	1.17
8	MP2B	Z	77.986	1.17
9	MP2B	Mx	-.104	1.17
10	MP2B	X	-135.076	5.17
11	MP2B	Z	77.986	5.17
12	MP2B	Mx	-.104	5.17
13	MP2C	X	-180.28	1.17
14	MP2C	Z	104.085	1.17
15	MP2C	Mx	-.161	1.17
16	MP2C	X	-180.28	5.17
17	MP2C	Z	104.085	5.17
18	MP2C	Mx	-.161	5.17
19	MP2A	X	-180.28	1.17
20	MP2A	Z	104.085	1.17
21	MP2A	Mx	-.161	1.17
22	MP2A	X	-180.28	5.17
23	MP2A	Z	104.085	5.17
24	MP2A	Mx	-.161	5.17
25	MP2B	X	-135.076	1.17
26	MP2B	Z	77.986	1.17
27	MP2B	Mx	-.104	1.17
28	MP2B	X	-135.076	5.17
29	MP2B	Z	77.986	5.17
30	MP2B	Mx	-.104	5.17
31	MP2C	X	-180.28	1.17
32	MP2C	Z	104.085	1.17
33	MP2C	Mx	.113	1.17
34	MP2C	X	-180.28	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	104.085	5.17
36	MP2C	Mx	.113	5.17
37	MP4A	X	-84.929	2.17
38	MP4A	Z	49.034	2.17
39	MP4A	Mx	-.011	2.17
40	MP4A	X	-84.929	4.17
41	MP4A	Z	49.034	4.17
42	MP4A	Mx	-.011	4.17
43	MP4B	X	-33.871	2.17
44	MP4B	Z	19.556	2.17
45	MP4B	Mx	-.026	2.17
46	MP4B	X	-33.871	4.17
47	MP4B	Z	19.556	4.17
48	MP4B	Mx	-.026	4.17
49	MP4C	X	-84.929	2.17
50	MP4C	Z	49.034	2.17
51	MP4C	Mx	-.011	2.17
52	MP4C	X	-84.929	4.17
53	MP4C	Z	49.034	4.17
54	MP4C	Mx	-.011	4.17
55	MP3A	X	-51.52	2
56	MP3A	Z	29.745	2
57	MP3A	Mx	-.026	2
58	MP3B	X	-62.888	2
59	MP3B	Z	36.308	2
60	MP3B	Mx	.018	2
61	MP3C	X	-51.52	2
62	MP3C	Z	29.745	2
63	MP3C	Mx	.026	2
64	MP3A	X	-44.989	4
65	MP3A	Z	25.974	4
66	MP3A	Mx	-.022	4
67	MP3B	X	-60.711	4
68	MP3B	Z	35.051	4
69	MP3B	Mx	.018	4
70	MP3C	X	-44.989	4
71	MP3C	Z	25.974	4
72	MP3C	Mx	.022	4
73	MP1A	X	-137.454	1.17
74	MP1A	Z	79.359	1.17
75	MP1A	Mx	-.033	1.17
76	MP1A	X	-137.454	5.17
77	MP1A	Z	79.359	5.17
78	MP1A	Mx	-.033	5.17
79	MP1B	X	-76.542	1.17
80	MP1B	Z	44.191	1.17
81	MP1B	Mx	-.081	1.17
82	MP1B	X	-76.542	5.17
83	MP1B	Z	44.191	5.17
84	MP1B	Mx	-.081	5.17
85	MP1C	X	-137.454	1.17
86	MP1C	Z	79.359	1.17
87	MP1C	Mx	-.025	1.17
88	MP1C	X	-137.454	5.17
89	MP1C	Z	79.359	5.17
90	MP1C	Mx	-.025	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-203.496	1.17
2	MP2A	Z	0	1.17
3	MP2A	Mx	.174	1.17
4	MP2A	X	-203.496	5.17
5	MP2A	Z	0	5.17
6	MP2A	Mx	.174	5.17
7	MP2B	X	-169.427	1.17
8	MP2B	Z	0	1.17
9	MP2B	Mx	-.041	1.17
10	MP2B	X	-169.427	5.17
11	MP2B	Z	0	5.17
12	MP2B	Mx	-.041	5.17
13	MP2C	X	-187.555	1.17
14	MP2C	Z	0	1.17
15	MP2C	Mx	-.176	1.17
16	MP2C	X	-187.555	5.17
17	MP2C	Z	0	5.17
18	MP2C	Mx	-.176	5.17
19	MP2A	X	-203.496	1.17
20	MP2A	Z	0	1.17
21	MP2A	Mx	-.081	1.17
22	MP2A	X	-203.496	5.17
23	MP2A	Z	0	5.17
24	MP2A	Mx	-.081	5.17
25	MP2B	X	-169.427	1.17
26	MP2B	Z	0	1.17
27	MP2B	Mx	-.154	1.17
28	MP2B	X	-169.427	5.17
29	MP2B	Z	0	5.17
30	MP2B	Mx	-.154	5.17
31	MP2C	X	-187.555	1.17
32	MP2C	Z	0	1.17
33	MP2C	Mx	.015	1.17
34	MP2C	X	-187.555	5.17
35	MP2C	Z	0	5.17
36	MP2C	Mx	.015	5.17
37	MP4A	X	-92.79	2.17
38	MP4A	Z	0	2.17
39	MP4A	Mx	.021	2.17
40	MP4A	X	-92.79	4.17
41	MP4A	Z	0	4.17
42	MP4A	Mx	.021	4.17
43	MP4B	X	-54.309	2.17
44	MP4B	Z	0	2.17
45	MP4B	Mx	-.031	2.17
46	MP4B	X	-54.309	4.17
47	MP4B	Z	0	4.17
48	MP4B	Mx	-.031	4.17
49	MP4C	X	-74.784	2.17
50	MP4C	Z	0	2.17
51	MP4C	Mx	-.032	2.17
52	MP4C	X	-74.784	4.17
53	MP4C	Z	0	4.17
54	MP4C	Mx	-.032	4.17
55	MP3A	X	-52.928	2
56	MP3A	Z	0	2
57	MP3A	Mx	-.026	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-79.18	2
59	MP3B	Z	0	2
60	MP3B	Mx	0	2
61	MP3C	X	-52.928	2
62	MP3C	Z	0	2
63	MP3C	Mx	.026	2
64	MP3A	X	-42.871	4
65	MP3A	Z	0	4
66	MP3A	Mx	-.021	4
67	MP3B	X	-79.18	4
68	MP3B	Z	0	4
69	MP3B	Mx	0	4
70	MP3C	X	-42.871	4
71	MP3C	Z	0	4
72	MP3C	Mx	.021	4
73	MP1A	X	-152.421	1.17
74	MP1A	Z	0	1.17
75	MP1A	Mx	.063	1.17
76	MP1A	X	-152.421	5.17
77	MP1A	Z	0	5.17
78	MP1A	Mx	.063	5.17
79	MP1B	X	-106.513	1.17
80	MP1B	Z	0	1.17
81	MP1B	Mx	-.085	1.17
82	MP1B	X	-106.513	5.17
83	MP1B	Z	0	5.17
84	MP1B	Mx	-.085	5.17
85	MP1C	X	-130.94	1.17
86	MP1C	Z	0	1.17
87	MP1C	Mx	-.077	1.17
88	MP1C	X	-130.94	5.17
89	MP1C	Z	0	5.17
90	MP1C	Mx	-.077	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-154.334	1.17
2	MP2A	Z	-89.105	1.17
3	MP2A	Mx	.167	1.17
4	MP2A	X	-154.334	5.17
5	MP2A	Z	-89.105	5.17
6	MP2A	Mx	.167	5.17
7	MP2B	X	-170.033	1.17
8	MP2B	Z	-98.169	1.17
9	MP2B	Mx	.048	1.17
10	MP2B	X	-170.033	5.17
11	MP2B	Z	-98.169	5.17
12	MP2B	Mx	.048	5.17
13	MP2C	X	-140.528	1.17
14	MP2C	Z	-81.134	1.17
15	MP2C	Mx	-.139	1.17
16	MP2C	X	-140.528	5.17
17	MP2C	Z	-81.134	5.17
18	MP2C	Mx	-.139	5.17
19	MP2A	X	-154.334	1.17
20	MP2A	Z	-89.105	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	.015	1.17
22	MP2A	X	-154.334	5.17
23	MP2A	Z	-89.105	5.17
24	MP2A	Mx	.015	5.17
25	MP2B	X	-170.033	1.17
26	MP2B	Z	-98.169	1.17
27	MP2B	Mx	-.179	1.17
28	MP2B	X	-170.033	5.17
29	MP2B	Z	-98.169	5.17
30	MP2B	Mx	-.179	5.17
31	MP2C	X	-140.528	1.17
32	MP2C	Z	-81.134	1.17
33	MP2C	Mx	-.065	1.17
34	MP2C	X	-140.528	5.17
35	MP2C	Z	-81.134	5.17
36	MP2C	Mx	-.065	5.17
37	MP4A	X	-55.623	2.17
38	MP4A	Z	-32.114	2.17
39	MP4A	Mx	.033	2.17
40	MP4A	X	-55.623	4.17
41	MP4A	Z	-32.114	4.17
42	MP4A	Mx	.033	4.17
43	MP4B	X	-73.355	2.17
44	MP4B	Z	-42.352	2.17
45	MP4B	Mx	-.028	2.17
46	MP4B	X	-73.355	4.17
47	MP4B	Z	-42.352	4.17
48	MP4B	Mx	-.028	4.17
49	MP4C	X	-40.03	2.17
50	MP4C	Z	-23.111	2.17
51	MP4C	Mx	-.029	2.17
52	MP4C	X	-40.03	4.17
53	MP4C	Z	-23.111	4.17
54	MP4C	Mx	-.029	4.17
55	MP3A	X	-51.52	2
56	MP3A	Z	-29.745	2
57	MP3A	Mx	-.026	2
58	MP3B	X	-62.888	2
59	MP3B	Z	-36.308	2
60	MP3B	Mx	-.018	2
61	MP3C	X	-51.52	2
62	MP3C	Z	-29.745	2
63	MP3C	Mx	.026	2
64	MP3A	X	-44.989	4
65	MP3A	Z	-25.974	4
66	MP3A	Mx	-.022	4
67	MP3B	X	-60.711	4
68	MP3B	Z	-35.051	4
69	MP3B	Mx	-.018	4
70	MP3C	X	-44.989	4
71	MP3C	Z	-25.974	4
72	MP3C	Mx	.022	4
73	MP1A	X	-102.491	1.17
74	MP1A	Z	-59.173	1.17
75	MP1A	Mx	.11	1.17
76	MP1A	X	-102.491	5.17
77	MP1A	Z	-59.173	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1A	Mx	.11	5.17
79	MP1B	X	-123.646	1.17
80	MP1B	Z	-71.387	1.17
81	MP1B	Mx	-.065	1.17
82	MP1B	X	-123.646	5.17
83	MP1B	Z	-71.387	5.17
84	MP1B	Mx	-.065	5.17
85	MP1C	X	-83.889	1.17
86	MP1C	Z	-48.433	1.17
87	MP1C	Mx	-.083	1.17
88	MP1C	X	-83.889	5.17
89	MP1C	Z	-48.433	5.17
90	MP1C	Mx	-.083	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-78.798	1.17
2	MP2A	Z	-136.481	1.17
3	MP2A	Mx	.122	1.17
4	MP2A	X	-78.798	5.17
5	MP2A	Z	-136.481	5.17
6	MP2A	Mx	.122	5.17
7	MP2B	X	-104.896	1.17
8	MP2B	Z	-181.685	1.17
9	MP2B	Mx	.14	1.17
10	MP2B	X	-104.896	5.17
11	MP2B	Z	-181.685	5.17
12	MP2B	Mx	.14	5.17
13	MP2C	X	-78.798	1.17
14	MP2C	Z	-136.481	1.17
15	MP2C	Mx	-.085	1.17
16	MP2C	X	-78.798	5.17
17	MP2C	Z	-136.481	5.17
18	MP2C	Mx	-.085	5.17
19	MP2A	X	-78.798	1.17
20	MP2A	Z	-136.481	1.17
21	MP2A	Mx	.085	1.17
22	MP2A	X	-78.798	5.17
23	MP2A	Z	-136.481	5.17
24	MP2A	Mx	.085	5.17
25	MP2B	X	-104.896	1.17
26	MP2B	Z	-181.685	1.17
27	MP2B	Mx	-.14	1.17
28	MP2B	X	-104.896	5.17
29	MP2B	Z	-181.685	5.17
30	MP2B	Mx	-.14	5.17
31	MP2C	X	-78.798	1.17
32	MP2C	Z	-136.481	1.17
33	MP2C	Mx	-.122	1.17
34	MP2C	X	-78.798	5.17
35	MP2C	Z	-136.481	5.17
36	MP2C	Mx	-.122	5.17
37	MP4A	X	-20.472	2.17
38	MP4A	Z	-35.459	2.17
39	MP4A	Mx	.027	2.17
40	MP4A	X	-20.472	4.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	-35.459	4.17
42	MP4A	Mx	.027	4.17
43	MP4B	X	-49.951	2.17
44	MP4B	Z	-86.517	2.17
45	MP4B	Mx	0	2.17
46	MP4B	X	-49.951	4.17
47	MP4B	Z	-86.517	4.17
48	MP4B	Mx	0	4.17
49	MP4C	X	-20.472	2.17
50	MP4C	Z	-35.459	2.17
51	MP4C	Mx	-.027	2.17
52	MP4C	X	-20.472	4.17
53	MP4C	Z	-35.459	4.17
54	MP4C	Mx	-.027	4.17
55	MP3A	X	-36.308	2
56	MP3A	Z	-62.888	2
57	MP3A	Mx	-.018	2
58	MP3B	X	-29.745	2
59	MP3B	Z	-51.52	2
60	MP3B	Mx	-.026	2
61	MP3C	X	-36.308	2
62	MP3C	Z	-62.888	2
63	MP3C	Mx	.018	2
64	MP3A	X	-35.051	4
65	MP3A	Z	-60.711	4
66	MP3A	Mx	-.018	4
67	MP3B	X	-25.974	4
68	MP3B	Z	-44.989	4
69	MP3B	Mx	-.022	4
70	MP3C	X	-35.051	4
71	MP3C	Z	-60.711	4
72	MP3C	Mx	.018	4
73	MP1A	X	-45.285	1.17
74	MP1A	Z	-78.436	1.17
75	MP1A	Mx	.108	1.17
76	MP1A	X	-45.285	5.17
77	MP1A	Z	-78.436	5.17
78	MP1A	Mx	.108	5.17
79	MP1B	X	-80.452	1.17
80	MP1B	Z	-139.347	1.17
81	MP1B	Mx	0	1.17
82	MP1B	X	-80.452	5.17
83	MP1B	Z	-139.347	5.17
84	MP1B	Mx	0	5.17
85	MP1C	X	-45.285	1.17
86	MP1C	Z	-78.436	1.17
87	MP1C	Mx	-.082	1.17
88	MP1C	X	-45.285	5.17
89	MP1C	Z	-78.436	5.17
90	MP1C	Mx	-.082	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.17
2	MP2A	Z	-33.426	1.17
3	MP2A	Mx	.013	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	X	0	5.17
5	MP2A	Z	-33.426	5.17
6	MP2A	Mx	.013	5.17
7	MP2B	X	0	1.17
8	MP2B	Z	-39.741	1.17
9	MP2B	Mx	.036	1.17
10	MP2B	X	0	5.17
11	MP2B	Z	-39.741	5.17
12	MP2B	Mx	.036	5.17
13	MP2C	X	0	1.17
14	MP2C	Z	-36.381	1.17
15	MP2C	Mx	-.003	1.17
16	MP2C	X	0	5.17
17	MP2C	Z	-36.381	5.17
18	MP2C	Mx	-.003	5.17
19	MP2A	X	0	1.17
20	MP2A	Z	-33.426	1.17
21	MP2A	Mx	.029	1.17
22	MP2A	X	0	5.17
23	MP2A	Z	-33.426	5.17
24	MP2A	Mx	.029	5.17
25	MP2B	X	0	1.17
26	MP2B	Z	-39.741	1.17
27	MP2B	Mx	-.01	1.17
28	MP2B	X	0	5.17
29	MP2B	Z	-39.741	5.17
30	MP2B	Mx	-.01	5.17
31	MP2C	X	0	1.17
32	MP2C	Z	-36.381	1.17
33	MP2C	Mx	-.034	1.17
34	MP2C	X	0	5.17
35	MP2C	Z	-36.381	5.17
36	MP2C	Mx	-.034	5.17
37	MP4A	X	0	2.17
38	MP4A	Z	-10.798	2.17
39	MP4A	Mx	.007	2.17
40	MP4A	X	0	4.17
41	MP4A	Z	-10.798	4.17
42	MP4A	Mx	.007	4.17
43	MP4B	X	0	2.17
44	MP4B	Z	-18.239	2.17
45	MP4B	Mx	.006	2.17
46	MP4B	X	0	4.17
47	MP4B	Z	-18.239	4.17
48	MP4B	Mx	.006	4.17
49	MP4C	X	0	2.17
50	MP4C	Z	-14.279	2.17
51	MP4C	Mx	-.007	2.17
52	MP4C	X	0	4.17
53	MP4C	Z	-14.279	4.17
54	MP4C	Mx	-.007	4.17
55	MP3A	X	0	2
56	MP3A	Z	-18.285	2
57	MP3A	Mx	0	2
58	MP3B	X	0	2
59	MP3B	Z	-12.976	2
60	MP3B	Mx	-.006	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP3C	X	0	2
62	MP3C	Z	-18.285	2
63	MP3C	Mx	0	2
64	MP3A	X	0	4
65	MP3A	Z	-18.285	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	-10.959	4
69	MP3B	Mx	-.005	4
70	MP3C	X	0	4
71	MP3C	Z	-18.285	4
72	MP3C	Mx	0	4
73	MP1A	X	0	1.17
74	MP1A	Z	-21.59	1.17
75	MP1A	Mx	.025	1.17
76	MP1A	X	0	5.17
77	MP1A	Z	-21.59	5.17
78	MP1A	Mx	.025	5.17
79	MP1B	X	0	1.17
80	MP1B	Z	-29.89	1.17
81	MP1B	Mx	.014	1.17
82	MP1B	X	0	5.17
83	MP1B	Z	-29.89	5.17
84	MP1B	Mx	.014	5.17
85	MP1C	X	0	1.17
86	MP1C	Z	-25.474	1.17
87	MP1C	Mx	-.018	1.17
88	MP1C	X	0	5.17
89	MP1C	Z	-25.474	5.17
90	MP1C	Mx	-.018	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	19.057	1.17
2	MP2A	Z	-33.007	1.17
3	MP2A	Mx	-.003	1.17
4	MP2A	X	19.057	5.17
5	MP2A	Z	-33.007	5.17
6	MP2A	Mx	-.003	5.17
7	MP2B	X	17.377	1.17
8	MP2B	Z	-30.097	1.17
9	MP2B	Mx	.032	1.17
10	MP2B	X	17.377	5.17
11	MP2B	Z	-30.097	5.17
12	MP2B	Mx	.032	5.17
13	MP2C	X	20.534	1.17
14	MP2C	Z	-35.566	1.17
15	MP2C	Mx	.016	1.17
16	MP2C	X	20.534	5.17
17	MP2C	Z	-35.566	5.17
18	MP2C	Mx	.016	5.17
19	MP2A	X	19.057	1.17
20	MP2A	Z	-33.007	1.17
21	MP2A	Mx	.036	1.17
22	MP2A	X	19.057	5.17
23	MP2A	Z	-33.007	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.036	5.17
25	MP2B	X	17.377	1.17
26	MP2B	Z	-30.097	1.17
27	MP2B	Mx	.008	1.17
28	MP2B	X	17.377	5.17
29	MP2B	Z	-30.097	5.17
30	MP2B	Mx	.008	5.17
31	MP2C	X	20.534	1.17
32	MP2C	Z	-35.566	1.17
33	MP2C	Mx	-.035	1.17
34	MP2C	X	20.534	5.17
35	MP2C	Z	-35.566	5.17
36	MP2C	Mx	-.035	5.17
37	MP4A	X	8.16	2.17
38	MP4A	Z	-14.134	2.17
39	MP4A	Mx	.007	2.17
40	MP4A	X	8.16	4.17
41	MP4A	Z	-14.134	4.17
42	MP4A	Mx	.007	4.17
43	MP4B	X	6.181	2.17
44	MP4B	Z	-10.705	2.17
45	MP4B	Mx	.007	2.17
46	MP4B	X	6.181	4.17
47	MP4B	Z	-10.705	4.17
48	MP4B	Mx	.007	4.17
49	MP4C	X	9.901	2.17
50	MP4C	Z	-17.149	2.17
51	MP4C	Mx	-.005	2.17
52	MP4C	X	9.901	4.17
53	MP4C	Z	-17.149	4.17
54	MP4C	Mx	-.005	4.17
55	MP3A	X	8.479	2
56	MP3A	Z	-14.686	2
57	MP3A	Mx	.004	2
58	MP3B	X	7.152	2
59	MP3B	Z	-12.387	2
60	MP3B	Mx	-.006	2
61	MP3C	X	8.479	2
62	MP3C	Z	-14.686	2
63	MP3C	Mx	-.004	2
64	MP3A	X	8.227	4
65	MP3A	Z	-14.249	4
66	MP3A	Mx	.004	4
67	MP3B	X	6.395	4
68	MP3B	Z	-11.077	4
69	MP3B	Mx	-.006	4
70	MP3C	X	8.227	4
71	MP3C	Z	-14.249	4
72	MP3C	Mx	-.004	4
73	MP1A	X	13.875	1.17
74	MP1A	Z	-24.033	1.17
75	MP1A	Mx	.022	1.17
76	MP1A	X	13.875	5.17
77	MP1A	Z	-24.033	5.17
78	MP1A	Mx	.022	5.17
79	MP1B	X	11.667	1.17
80	MP1B	Z	-20.208	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1B	Mx	.019	1.17
82	MP1B	X	11.667	5.17
83	MP1B	Z	-20.208	5.17
84	MP1B	Mx	.019	5.17
85	MP1C	X	15.817	1.17
86	MP1C	Z	-27.396	1.17
87	MP1C	Mx	-.01	1.17
88	MP1C	X	15.817	5.17
89	MP1C	Z	-27.396	5.17
90	MP1C	Mx	-.01	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	36.316	1.17
2	MP2A	Z	-20.967	1.17
3	MP2A	Mx	-.023	1.17
4	MP2A	X	36.316	5.17
5	MP2A	Z	-20.967	5.17
6	MP2A	Mx	-.023	5.17
7	MP2B	X	27.937	1.17
8	MP2B	Z	-16.13	1.17
9	MP2B	Mx	.022	1.17
10	MP2B	X	27.937	5.17
11	MP2B	Z	-16.13	5.17
12	MP2B	Mx	.022	5.17
13	MP2C	X	36.316	1.17
14	MP2C	Z	-20.967	1.17
15	MP2C	Mx	.032	1.17
16	MP2C	X	36.316	5.17
17	MP2C	Z	-20.967	5.17
18	MP2C	Mx	.032	5.17
19	MP2A	X	36.316	1.17
20	MP2A	Z	-20.967	1.17
21	MP2A	Mx	.032	1.17
22	MP2A	X	36.316	5.17
23	MP2A	Z	-20.967	5.17
24	MP2A	Mx	.032	5.17
25	MP2B	X	27.937	1.17
26	MP2B	Z	-16.13	1.17
27	MP2B	Mx	.022	1.17
28	MP2B	X	27.937	5.17
29	MP2B	Z	-16.13	5.17
30	MP2B	Mx	.022	5.17
31	MP2C	X	36.316	1.17
32	MP2C	Z	-20.967	1.17
33	MP2C	Mx	-.023	1.17
34	MP2C	X	36.316	5.17
35	MP2C	Z	-20.967	5.17
36	MP2C	Mx	-.023	5.17
37	MP4A	X	18.033	2.17
38	MP4A	Z	-10.412	2.17
39	MP4A	Mx	.002	2.17
40	MP4A	X	18.033	4.17
41	MP4A	Z	-10.412	4.17
42	MP4A	Mx	.002	4.17
43	MP4B	X	8.16	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	-4.711	2.17
45	MP4B	Mx	.006	2.17
46	MP4B	X	8.16	4.17
47	MP4B	Z	-4.711	4.17
48	MP4B	Mx	.006	4.17
49	MP4C	X	18.033	2.17
50	MP4C	Z	-10.412	2.17
51	MP4C	Mx	.002	2.17
52	MP4C	X	18.033	4.17
53	MP4C	Z	-10.412	4.17
54	MP4C	Mx	.002	4.17
55	MP3A	X	12.387	2
56	MP3A	Z	-7.152	2
57	MP3A	Mx	.006	2
58	MP3B	X	14.686	2
59	MP3B	Z	-8.479	2
60	MP3B	Mx	-.004	2
61	MP3C	X	12.387	2
62	MP3C	Z	-7.152	2
63	MP3C	Mx	-.006	2
64	MP3A	X	11.077	4
65	MP3A	Z	-6.395	4
66	MP3A	Mx	.006	4
67	MP3B	X	14.249	4
68	MP3B	Z	-8.227	4
69	MP3B	Mx	-.004	4
70	MP3C	X	11.077	4
71	MP3C	Z	-6.395	4
72	MP3C	Mx	-.006	4
73	MP1A	X	28.382	1.17
74	MP1A	Z	-16.386	1.17
75	MP1A	Mx	.007	1.17
76	MP1A	X	28.382	5.17
77	MP1A	Z	-16.386	5.17
78	MP1A	Mx	.007	5.17
79	MP1B	X	17.37	1.17
80	MP1B	Z	-10.028	1.17
81	MP1B	Mx	.018	1.17
82	MP1B	X	17.37	5.17
83	MP1B	Z	-10.028	5.17
84	MP1B	Mx	.018	5.17
85	MP1C	X	28.382	1.17
86	MP1C	Z	-16.386	1.17
87	MP1C	Mx	.005	1.17
88	MP1C	X	28.382	5.17
89	MP1C	Z	-16.386	5.17
90	MP1C	Mx	.005	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	41.068	1.17
2	MP2A	Z	0	1.17
3	MP2A	Mx	-.035	1.17
4	MP2A	X	41.068	5.17
5	MP2A	Z	0	5.17
6	MP2A	Mx	-.035	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	34.753	1.17
8	MP2B	Z	0	1.17
9	MP2B	Mx	.008	1.17
10	MP2B	X	34.753	5.17
11	MP2B	Z	0	5.17
12	MP2B	Mx	.008	5.17
13	MP2C	X	38.113	1.17
14	MP2C	Z	0	1.17
15	MP2C	Mx	.036	1.17
16	MP2C	X	38.113	5.17
17	MP2C	Z	0	5.17
18	MP2C	Mx	.036	5.17
19	MP2A	X	41.068	1.17
20	MP2A	Z	0	1.17
21	MP2A	Mx	.016	1.17
22	MP2A	X	41.068	5.17
23	MP2A	Z	0	5.17
24	MP2A	Mx	.016	5.17
25	MP2B	X	34.753	1.17
26	MP2B	Z	0	1.17
27	MP2B	Mx	.032	1.17
28	MP2B	X	34.753	5.17
29	MP2B	Z	0	5.17
30	MP2B	Mx	.032	5.17
31	MP2C	X	38.113	1.17
32	MP2C	Z	0	1.17
33	MP2C	Mx	-.003	1.17
34	MP2C	X	38.113	5.17
35	MP2C	Z	0	5.17
36	MP2C	Mx	-.003	5.17
37	MP4A	X	19.802	2.17
38	MP4A	Z	0	2.17
39	MP4A	Mx	-.005	2.17
40	MP4A	X	19.802	4.17
41	MP4A	Z	0	4.17
42	MP4A	Mx	-.005	4.17
43	MP4B	X	12.361	2.17
44	MP4B	Z	0	2.17
45	MP4B	Mx	.007	2.17
46	MP4B	X	12.361	4.17
47	MP4B	Z	0	4.17
48	MP4B	Mx	.007	4.17
49	MP4C	X	16.321	2.17
50	MP4C	Z	0	2.17
51	MP4C	Mx	.007	2.17
52	MP4C	X	16.321	4.17
53	MP4C	Z	0	4.17
54	MP4C	Mx	.007	4.17
55	MP3A	X	12.976	2
56	MP3A	Z	0	2
57	MP3A	Mx	.006	2
58	MP3B	X	18.285	2
59	MP3B	Z	0	2
60	MP3B	Mx	0	2
61	MP3C	X	12.976	2
62	MP3C	Z	0	2
63	MP3C	Mx	-.006	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3A	X	10.959	4
65	MP3A	Z	0	4
66	MP3A	Mx	.005	4
67	MP3B	X	18.285	4
68	MP3B	Z	0	4
69	MP3B	Mx	0	4
70	MP3C	X	10.959	4
71	MP3C	Z	0	4
72	MP3C	Mx	-.005	4
73	MP1A	X	31.634	1.17
74	MP1A	Z	0	1.17
75	MP1A	Mx	-.013	1.17
76	MP1A	X	31.634	5.17
77	MP1A	Z	0	5.17
78	MP1A	Mx	-.013	5.17
79	MP1B	X	23.334	1.17
80	MP1B	Z	0	1.17
81	MP1B	Mx	.019	1.17
82	MP1B	X	23.334	5.17
83	MP1B	Z	0	5.17
84	MP1B	Mx	.019	5.17
85	MP1C	X	27.751	1.17
86	MP1C	Z	0	1.17
87	MP1C	Mx	.016	1.17
88	MP1C	X	27.751	5.17
89	MP1C	Z	0	5.17
90	MP1C	Mx	.016	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	31.507	1.17
2	MP2A	Z	18.191	1.17
3	MP2A	Mx	-.034	1.17
4	MP2A	X	31.507	5.17
5	MP2A	Z	18.191	5.17
6	MP2A	Mx	-.034	5.17
7	MP2B	X	34.417	1.17
8	MP2B	Z	19.871	1.17
9	MP2B	Mx	-.01	1.17
10	MP2B	X	34.417	5.17
11	MP2B	Z	19.871	5.17
12	MP2B	Mx	-.01	5.17
13	MP2C	X	28.948	1.17
14	MP2C	Z	16.713	1.17
15	MP2C	Mx	.029	1.17
16	MP2C	X	28.948	5.17
17	MP2C	Z	16.713	5.17
18	MP2C	Mx	.029	5.17
19	MP2A	X	31.507	1.17
20	MP2A	Z	18.191	1.17
21	MP2A	Mx	-.003	1.17
22	MP2A	X	31.507	5.17
23	MP2A	Z	18.191	5.17
24	MP2A	Mx	-.003	5.17
25	MP2B	X	34.417	1.17
26	MP2B	Z	19.871	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	.036	1.17
28	MP2B	X	34.417	5.17
29	MP2B	Z	19.871	5.17
30	MP2B	Mx	.036	5.17
31	MP2C	X	28.948	1.17
32	MP2C	Z	16.713	1.17
33	MP2C	Mx	.013	1.17
34	MP2C	X	28.948	5.17
35	MP2C	Z	16.713	5.17
36	MP2C	Mx	.013	5.17
37	MP4A	X	12.366	2.17
38	MP4A	Z	7.14	2.17
39	MP4A	Mx	-.007	2.17
40	MP4A	X	12.366	4.17
41	MP4A	Z	7.14	4.17
42	MP4A	Mx	-.007	4.17
43	MP4B	X	15.795	2.17
44	MP4B	Z	9.119	2.17
45	MP4B	Mx	.006	2.17
46	MP4B	X	15.795	4.17
47	MP4B	Z	9.119	4.17
48	MP4B	Mx	.006	4.17
49	MP4C	X	9.351	2.17
50	MP4C	Z	5.399	2.17
51	MP4C	Mx	.007	2.17
52	MP4C	X	9.351	4.17
53	MP4C	Z	5.399	4.17
54	MP4C	Mx	.007	4.17
55	MP3A	X	12.387	2
56	MP3A	Z	7.152	2
57	MP3A	Mx	.006	2
58	MP3B	X	14.686	2
59	MP3B	Z	8.479	2
60	MP3B	Mx	.004	2
61	MP3C	X	12.387	2
62	MP3C	Z	7.152	2
63	MP3C	Mx	-.006	2
64	MP3A	X	11.077	4
65	MP3A	Z	6.395	4
66	MP3A	Mx	.006	4
67	MP3B	X	14.249	4
68	MP3B	Z	8.227	4
69	MP3B	Mx	.004	4
70	MP3C	X	11.077	4
71	MP3C	Z	6.395	4
72	MP3C	Mx	-.006	4
73	MP1A	X	22.061	1.17
74	MP1A	Z	12.737	1.17
75	MP1A	Mx	-.024	1.17
76	MP1A	X	22.061	5.17
77	MP1A	Z	12.737	5.17
78	MP1A	Mx	-.024	5.17
79	MP1B	X	25.886	1.17
80	MP1B	Z	14.945	1.17
81	MP1B	Mx	.014	1.17
82	MP1B	X	25.886	5.17
83	MP1B	Z	14.945	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1B	Mx	.014	5.17
85	MP1C	X	18.698	1.17
86	MP1C	Z	10.795	1.17
87	MP1C	Mx	.019	1.17
88	MP1C	X	18.698	5.17
89	MP1C	Z	10.795	5.17
90	MP1C	Mx	.019	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	16.28	1.17
2	MP2A	Z	28.198	1.17
3	MP2A	Mx	-.025	1.17
4	MP2A	X	16.28	5.17
5	MP2A	Z	28.198	5.17
6	MP2A	Mx	-.025	5.17
7	MP2B	X	21.118	1.17
8	MP2B	Z	36.577	1.17
9	MP2B	Mx	-.028	1.17
10	MP2B	X	21.118	5.17
11	MP2B	Z	36.577	5.17
12	MP2B	Mx	-.028	5.17
13	MP2C	X	16.28	1.17
14	MP2C	Z	28.198	1.17
15	MP2C	Mx	.018	1.17
16	MP2C	X	16.28	5.17
17	MP2C	Z	28.198	5.17
18	MP2C	Mx	.018	5.17
19	MP2A	X	16.28	1.17
20	MP2A	Z	28.198	1.17
21	MP2A	Mx	-.018	1.17
22	MP2A	X	16.28	5.17
23	MP2A	Z	28.198	5.17
24	MP2A	Mx	-.018	5.17
25	MP2B	X	21.118	1.17
26	MP2B	Z	36.577	1.17
27	MP2B	Mx	.028	1.17
28	MP2B	X	21.118	5.17
29	MP2B	Z	36.577	5.17
30	MP2B	Mx	.028	5.17
31	MP2C	X	16.28	1.17
32	MP2C	Z	28.198	1.17
33	MP2C	Mx	.025	1.17
34	MP2C	X	16.28	5.17
35	MP2C	Z	28.198	5.17
36	MP2C	Mx	.025	5.17
37	MP4A	X	4.889	2.17
38	MP4A	Z	8.467	2.17
39	MP4A	Mx	-.006	2.17
40	MP4A	X	4.889	4.17
41	MP4A	Z	8.467	4.17
42	MP4A	Mx	-.006	4.17
43	MP4B	X	10.589	2.17
44	MP4B	Z	18.34	2.17
45	MP4B	Mx	0	2.17
46	MP4B	X	10.589	4.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP4B	Z	18.34	4.17
48	MP4B	Mx	0	4.17
49	MP4C	X	4.889	2.17
50	MP4C	Z	8.467	2.17
51	MP4C	Mx	.006	2.17
52	MP4C	X	4.889	4.17
53	MP4C	Z	8.467	4.17
54	MP4C	Mx	.006	4.17
55	MP3A	X	8.479	2
56	MP3A	Z	14.686	2
57	MP3A	Mx	.004	2
58	MP3B	X	7.152	2
59	MP3B	Z	12.387	2
60	MP3B	Mx	.006	2
61	MP3C	X	8.479	2
62	MP3C	Z	14.686	2
63	MP3C	Mx	-.004	2
64	MP3A	X	8.227	4
65	MP3A	Z	14.249	4
66	MP3A	Mx	.004	4
67	MP3B	X	6.395	4
68	MP3B	Z	11.077	4
69	MP3B	Mx	.006	4
70	MP3C	X	8.227	4
71	MP3C	Z	14.249	4
72	MP3C	Mx	-.004	4
73	MP1A	X	10.226	1.17
74	MP1A	Z	17.712	1.17
75	MP1A	Mx	-.024	1.17
76	MP1A	X	10.226	5.17
77	MP1A	Z	17.712	5.17
78	MP1A	Mx	-.024	5.17
79	MP1B	X	16.584	1.17
80	MP1B	Z	28.724	1.17
81	MP1B	Mx	0	1.17
82	MP1B	X	16.584	5.17
83	MP1B	Z	28.724	5.17
84	MP1B	Mx	0	5.17
85	MP1C	X	10.226	1.17
86	MP1C	Z	17.712	1.17
87	MP1C	Mx	.018	1.17
88	MP1C	X	10.226	5.17
89	MP1C	Z	17.712	5.17
90	MP1C	Mx	.018	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.17
2	MP2A	Z	33.426	1.17
3	MP2A	Mx	-.013	1.17
4	MP2A	X	0	5.17
5	MP2A	Z	33.426	5.17
6	MP2A	Mx	-.013	5.17
7	MP2B	X	0	1.17
8	MP2B	Z	39.741	1.17
9	MP2B	Mx	-.036	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2B	X	0	5.17
11	MP2B	Z	39.741	5.17
12	MP2B	Mx	-.036	5.17
13	MP2C	X	0	1.17
14	MP2C	Z	36.381	1.17
15	MP2C	Mx	.003	1.17
16	MP2C	X	0	5.17
17	MP2C	Z	36.381	5.17
18	MP2C	Mx	.003	5.17
19	MP2A	X	0	1.17
20	MP2A	Z	33.426	1.17
21	MP2A	Mx	-.029	1.17
22	MP2A	X	0	5.17
23	MP2A	Z	33.426	5.17
24	MP2A	Mx	-.029	5.17
25	MP2B	X	0	1.17
26	MP2B	Z	39.741	1.17
27	MP2B	Mx	.01	1.17
28	MP2B	X	0	5.17
29	MP2B	Z	39.741	5.17
30	MP2B	Mx	.01	5.17
31	MP2C	X	0	1.17
32	MP2C	Z	36.381	1.17
33	MP2C	Mx	.034	1.17
34	MP2C	X	0	5.17
35	MP2C	Z	36.381	5.17
36	MP2C	Mx	.034	5.17
37	MP4A	X	0	2.17
38	MP4A	Z	10.798	2.17
39	MP4A	Mx	-.007	2.17
40	MP4A	X	0	4.17
41	MP4A	Z	10.798	4.17
42	MP4A	Mx	-.007	4.17
43	MP4B	X	0	2.17
44	MP4B	Z	18.239	2.17
45	MP4B	Mx	-.006	2.17
46	MP4B	X	0	4.17
47	MP4B	Z	18.239	4.17
48	MP4B	Mx	-.006	4.17
49	MP4C	X	0	2.17
50	MP4C	Z	14.279	2.17
51	MP4C	Mx	.007	2.17
52	MP4C	X	0	4.17
53	MP4C	Z	14.279	4.17
54	MP4C	Mx	.007	4.17
55	MP3A	X	0	2
56	MP3A	Z	18.285	2
57	MP3A	Mx	0	2
58	MP3B	X	0	2
59	MP3B	Z	12.976	2
60	MP3B	Mx	.006	2
61	MP3C	X	0	2
62	MP3C	Z	18.285	2
63	MP3C	Mx	0	2
64	MP3A	X	0	4
65	MP3A	Z	18.285	4
66	MP3A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP3B	X	0	4
68	MP3B	Z	10.959	4
69	MP3B	Mx	.005	4
70	MP3C	X	0	4
71	MP3C	Z	18.285	4
72	MP3C	Mx	0	4
73	MP1A	X	0	1.17
74	MP1A	Z	21.59	1.17
75	MP1A	Mx	-.025	1.17
76	MP1A	X	0	5.17
77	MP1A	Z	21.59	5.17
78	MP1A	Mx	-.025	5.17
79	MP1B	X	0	1.17
80	MP1B	Z	29.89	1.17
81	MP1B	Mx	-.014	1.17
82	MP1B	X	0	5.17
83	MP1B	Z	29.89	5.17
84	MP1B	Mx	-.014	5.17
85	MP1C	X	0	1.17
86	MP1C	Z	25.474	1.17
87	MP1C	Mx	.018	1.17
88	MP1C	X	0	5.17
89	MP1C	Z	25.474	5.17
90	MP1C	Mx	.018	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-19.057	1.17
2	MP2A	Z	33.007	1.17
3	MP2A	Mx	.003	1.17
4	MP2A	X	-19.057	5.17
5	MP2A	Z	33.007	5.17
6	MP2A	Mx	.003	5.17
7	MP2B	X	-17.377	1.17
8	MP2B	Z	30.097	1.17
9	MP2B	Mx	-.032	1.17
10	MP2B	X	-17.377	5.17
11	MP2B	Z	30.097	5.17
12	MP2B	Mx	-.032	5.17
13	MP2C	X	-20.534	1.17
14	MP2C	Z	35.566	1.17
15	MP2C	Mx	-.016	1.17
16	MP2C	X	-20.534	5.17
17	MP2C	Z	35.566	5.17
18	MP2C	Mx	-.016	5.17
19	MP2A	X	-19.057	1.17
20	MP2A	Z	33.007	1.17
21	MP2A	Mx	-.036	1.17
22	MP2A	X	-19.057	5.17
23	MP2A	Z	33.007	5.17
24	MP2A	Mx	-.036	5.17
25	MP2B	X	-17.377	1.17
26	MP2B	Z	30.097	1.17
27	MP2B	Mx	-.008	1.17
28	MP2B	X	-17.377	5.17
29	MP2B	Z	30.097	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	-.008	5.17
31	MP2C	X	-20.534	1.17
32	MP2C	Z	35.566	1.17
33	MP2C	Mx	.035	1.17
34	MP2C	X	-20.534	5.17
35	MP2C	Z	35.566	5.17
36	MP2C	Mx	.035	5.17
37	MP4A	X	-8.16	2.17
38	MP4A	Z	14.134	2.17
39	MP4A	Mx	-.007	2.17
40	MP4A	X	-8.16	4.17
41	MP4A	Z	14.134	4.17
42	MP4A	Mx	-.007	4.17
43	MP4B	X	-6.181	2.17
44	MP4B	Z	10.705	2.17
45	MP4B	Mx	-.007	2.17
46	MP4B	X	-6.181	4.17
47	MP4B	Z	10.705	4.17
48	MP4B	Mx	-.007	4.17
49	MP4C	X	-9.901	2.17
50	MP4C	Z	17.149	2.17
51	MP4C	Mx	.005	2.17
52	MP4C	X	-9.901	4.17
53	MP4C	Z	17.149	4.17
54	MP4C	Mx	.005	4.17
55	MP3A	X	-8.479	2
56	MP3A	Z	14.686	2
57	MP3A	Mx	-.004	2
58	MP3B	X	-7.152	2
59	MP3B	Z	12.387	2
60	MP3B	Mx	.006	2
61	MP3C	X	-8.479	2
62	MP3C	Z	14.686	2
63	MP3C	Mx	.004	2
64	MP3A	X	-8.227	4
65	MP3A	Z	14.249	4
66	MP3A	Mx	-.004	4
67	MP3B	X	-6.395	4
68	MP3B	Z	11.077	4
69	MP3B	Mx	.006	4
70	MP3C	X	-8.227	4
71	MP3C	Z	14.249	4
72	MP3C	Mx	.004	4
73	MP1A	X	-13.875	1.17
74	MP1A	Z	24.033	1.17
75	MP1A	Mx	-.022	1.17
76	MP1A	X	-13.875	5.17
77	MP1A	Z	24.033	5.17
78	MP1A	Mx	-.022	5.17
79	MP1B	X	-11.667	1.17
80	MP1B	Z	20.208	1.17
81	MP1B	Mx	-.019	1.17
82	MP1B	X	-11.667	5.17
83	MP1B	Z	20.208	5.17
84	MP1B	Mx	-.019	5.17
85	MP1C	X	-15.817	1.17
86	MP1C	Z	27.396	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP1C	Mx	.01	1.17
88	MP1C	X	-15.817	5.17
89	MP1C	Z	27.396	5.17
90	MP1C	Mx	.01	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-36.316	1.17
2	MP2A	Z	20.967	1.17
3	MP2A	Mx	.023	1.17
4	MP2A	X	-36.316	5.17
5	MP2A	Z	20.967	5.17
6	MP2A	Mx	.023	5.17
7	MP2B	X	-27.937	1.17
8	MP2B	Z	16.13	1.17
9	MP2B	Mx	-.022	1.17
10	MP2B	X	-27.937	5.17
11	MP2B	Z	16.13	5.17
12	MP2B	Mx	-.022	5.17
13	MP2C	X	-36.316	1.17
14	MP2C	Z	20.967	1.17
15	MP2C	Mx	-.032	1.17
16	MP2C	X	-36.316	5.17
17	MP2C	Z	20.967	5.17
18	MP2C	Mx	-.032	5.17
19	MP2A	X	-36.316	1.17
20	MP2A	Z	20.967	1.17
21	MP2A	Mx	-.032	1.17
22	MP2A	X	-36.316	5.17
23	MP2A	Z	20.967	5.17
24	MP2A	Mx	-.032	5.17
25	MP2B	X	-27.937	1.17
26	MP2B	Z	16.13	1.17
27	MP2B	Mx	-.022	1.17
28	MP2B	X	-27.937	5.17
29	MP2B	Z	16.13	5.17
30	MP2B	Mx	-.022	5.17
31	MP2C	X	-36.316	1.17
32	MP2C	Z	20.967	1.17
33	MP2C	Mx	.023	1.17
34	MP2C	X	-36.316	5.17
35	MP2C	Z	20.967	5.17
36	MP2C	Mx	.023	5.17
37	MP4A	X	-18.033	2.17
38	MP4A	Z	10.412	2.17
39	MP4A	Mx	-.002	2.17
40	MP4A	X	-18.033	4.17
41	MP4A	Z	10.412	4.17
42	MP4A	Mx	-.002	4.17
43	MP4B	X	-8.16	2.17
44	MP4B	Z	4.711	2.17
45	MP4B	Mx	-.006	2.17
46	MP4B	X	-8.16	4.17
47	MP4B	Z	4.711	4.17
48	MP4B	Mx	-.006	4.17
49	MP4C	X	-18.033	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP4C	Z	10.412	2.17
51	MP4C	Mx	-.002	2.17
52	MP4C	X	-18.033	4.17
53	MP4C	Z	10.412	4.17
54	MP4C	Mx	-.002	4.17
55	MP3A	X	-12.387	2
56	MP3A	Z	7.152	2
57	MP3A	Mx	-.006	2
58	MP3B	X	-14.686	2
59	MP3B	Z	8.479	2
60	MP3B	Mx	.004	2
61	MP3C	X	-12.387	2
62	MP3C	Z	7.152	2
63	MP3C	Mx	.006	2
64	MP3A	X	-11.077	4
65	MP3A	Z	6.395	4
66	MP3A	Mx	-.006	4
67	MP3B	X	-14.249	4
68	MP3B	Z	8.227	4
69	MP3B	Mx	.004	4
70	MP3C	X	-11.077	4
71	MP3C	Z	6.395	4
72	MP3C	Mx	.006	4
73	MP1A	X	-28.382	1.17
74	MP1A	Z	16.386	1.17
75	MP1A	Mx	-.007	1.17
76	MP1A	X	-28.382	5.17
77	MP1A	Z	16.386	5.17
78	MP1A	Mx	-.007	5.17
79	MP1B	X	-17.37	1.17
80	MP1B	Z	10.028	1.17
81	MP1B	Mx	-.018	1.17
82	MP1B	X	-17.37	5.17
83	MP1B	Z	10.028	5.17
84	MP1B	Mx	-.018	5.17
85	MP1C	X	-28.382	1.17
86	MP1C	Z	16.386	1.17
87	MP1C	Mx	-.005	1.17
88	MP1C	X	-28.382	5.17
89	MP1C	Z	16.386	5.17
90	MP1C	Mx	-.005	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-41.068	1.17
2	MP2A	Z	0	1.17
3	MP2A	Mx	.035	1.17
4	MP2A	X	-41.068	5.17
5	MP2A	Z	0	5.17
6	MP2A	Mx	.035	5.17
7	MP2B	X	-34.753	1.17
8	MP2B	Z	0	1.17
9	MP2B	Mx	-.008	1.17
10	MP2B	X	-34.753	5.17
11	MP2B	Z	0	5.17
12	MP2B	Mx	-.008	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	-38.113	1.17
14	MP2C	Z	0	1.17
15	MP2C	Mx	-.036	1.17
16	MP2C	X	-38.113	5.17
17	MP2C	Z	0	5.17
18	MP2C	Mx	-.036	5.17
19	MP2A	X	-41.068	1.17
20	MP2A	Z	0	1.17
21	MP2A	Mx	-.016	1.17
22	MP2A	X	-41.068	5.17
23	MP2A	Z	0	5.17
24	MP2A	Mx	-.016	5.17
25	MP2B	X	-34.753	1.17
26	MP2B	Z	0	1.17
27	MP2B	Mx	-.032	1.17
28	MP2B	X	-34.753	5.17
29	MP2B	Z	0	5.17
30	MP2B	Mx	-.032	5.17
31	MP2C	X	-38.113	1.17
32	MP2C	Z	0	1.17
33	MP2C	Mx	.003	1.17
34	MP2C	X	-38.113	5.17
35	MP2C	Z	0	5.17
36	MP2C	Mx	.003	5.17
37	MP4A	X	-19.802	2.17
38	MP4A	Z	0	2.17
39	MP4A	Mx	.005	2.17
40	MP4A	X	-19.802	4.17
41	MP4A	Z	0	4.17
42	MP4A	Mx	.005	4.17
43	MP4B	X	-12.361	2.17
44	MP4B	Z	0	2.17
45	MP4B	Mx	-.007	2.17
46	MP4B	X	-12.361	4.17
47	MP4B	Z	0	4.17
48	MP4B	Mx	-.007	4.17
49	MP4C	X	-16.321	2.17
50	MP4C	Z	0	2.17
51	MP4C	Mx	-.007	2.17
52	MP4C	X	-16.321	4.17
53	MP4C	Z	0	4.17
54	MP4C	Mx	-.007	4.17
55	MP3A	X	-12.976	2
56	MP3A	Z	0	2
57	MP3A	Mx	-.006	2
58	MP3B	X	-18.285	2
59	MP3B	Z	0	2
60	MP3B	Mx	0	2
61	MP3C	X	-12.976	2
62	MP3C	Z	0	2
63	MP3C	Mx	.006	2
64	MP3A	X	-10.959	4
65	MP3A	Z	0	4
66	MP3A	Mx	-.005	4
67	MP3B	X	-18.285	4
68	MP3B	Z	0	4
69	MP3B	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP3C	X	-10.959	4
71	MP3C	Z	0	4
72	MP3C	Mx	.005	4
73	MP1A	X	-31.634	1.17
74	MP1A	Z	0	1.17
75	MP1A	Mx	.013	1.17
76	MP1A	X	-31.634	5.17
77	MP1A	Z	0	5.17
78	MP1A	Mx	.013	5.17
79	MP1B	X	-23.334	1.17
80	MP1B	Z	0	1.17
81	MP1B	Mx	-.019	1.17
82	MP1B	X	-23.334	5.17
83	MP1B	Z	0	5.17
84	MP1B	Mx	-.019	5.17
85	MP1C	X	-27.751	1.17
86	MP1C	Z	0	1.17
87	MP1C	Mx	-.016	1.17
88	MP1C	X	-27.751	5.17
89	MP1C	Z	0	5.17
90	MP1C	Mx	-.016	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-31.507	1.17
2	MP2A	Z	-18.191	1.17
3	MP2A	Mx	.034	1.17
4	MP2A	X	-31.507	5.17
5	MP2A	Z	-18.191	5.17
6	MP2A	Mx	.034	5.17
7	MP2B	X	-34.417	1.17
8	MP2B	Z	-19.871	1.17
9	MP2B	Mx	.01	1.17
10	MP2B	X	-34.417	5.17
11	MP2B	Z	-19.871	5.17
12	MP2B	Mx	.01	5.17
13	MP2C	X	-28.948	1.17
14	MP2C	Z	-16.713	1.17
15	MP2C	Mx	-.029	1.17
16	MP2C	X	-28.948	5.17
17	MP2C	Z	-16.713	5.17
18	MP2C	Mx	-.029	5.17
19	MP2A	X	-31.507	1.17
20	MP2A	Z	-18.191	1.17
21	MP2A	Mx	.003	1.17
22	MP2A	X	-31.507	5.17
23	MP2A	Z	-18.191	5.17
24	MP2A	Mx	.003	5.17
25	MP2B	X	-34.417	1.17
26	MP2B	Z	-19.871	1.17
27	MP2B	Mx	-.036	1.17
28	MP2B	X	-34.417	5.17
29	MP2B	Z	-19.871	5.17
30	MP2B	Mx	-.036	5.17
31	MP2C	X	-28.948	1.17
32	MP2C	Z	-16.713	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	-.013	1.17
34	MP2C	X	-28.948	5.17
35	MP2C	Z	-16.713	5.17
36	MP2C	Mx	-.013	5.17
37	MP4A	X	-12.366	2.17
38	MP4A	Z	-7.14	2.17
39	MP4A	Mx	.007	2.17
40	MP4A	X	-12.366	4.17
41	MP4A	Z	-7.14	4.17
42	MP4A	Mx	.007	4.17
43	MP4B	X	-15.795	2.17
44	MP4B	Z	-9.119	2.17
45	MP4B	Mx	-.006	2.17
46	MP4B	X	-15.795	4.17
47	MP4B	Z	-9.119	4.17
48	MP4B	Mx	-.006	4.17
49	MP4C	X	-9.351	2.17
50	MP4C	Z	-5.399	2.17
51	MP4C	Mx	-.007	2.17
52	MP4C	X	-9.351	4.17
53	MP4C	Z	-5.399	4.17
54	MP4C	Mx	-.007	4.17
55	MP3A	X	-12.387	2
56	MP3A	Z	-7.152	2
57	MP3A	Mx	-.006	2
58	MP3B	X	-14.686	2
59	MP3B	Z	-8.479	2
60	MP3B	Mx	-.004	2
61	MP3C	X	-12.387	2
62	MP3C	Z	-7.152	2
63	MP3C	Mx	.006	2
64	MP3A	X	-11.077	4
65	MP3A	Z	-6.395	4
66	MP3A	Mx	-.006	4
67	MP3B	X	-14.249	4
68	MP3B	Z	-8.227	4
69	MP3B	Mx	-.004	4
70	MP3C	X	-11.077	4
71	MP3C	Z	-6.395	4
72	MP3C	Mx	.006	4
73	MP1A	X	-22.061	1.17
74	MP1A	Z	-12.737	1.17
75	MP1A	Mx	.024	1.17
76	MP1A	X	-22.061	5.17
77	MP1A	Z	-12.737	5.17
78	MP1A	Mx	.024	5.17
79	MP1B	X	-25.886	1.17
80	MP1B	Z	-14.945	1.17
81	MP1B	Mx	-.014	1.17
82	MP1B	X	-25.886	5.17
83	MP1B	Z	-14.945	5.17
84	MP1B	Mx	-.014	5.17
85	MP1C	X	-18.698	1.17
86	MP1C	Z	-10.795	1.17
87	MP1C	Mx	-.019	1.17
88	MP1C	X	-18.698	5.17
89	MP1C	Z	-10.795	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1C	Mx	-.019	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-16.28	1.17
2	MP2A	Z	-28.198	1.17
3	MP2A	Mx	.025	1.17
4	MP2A	X	-16.28	5.17
5	MP2A	Z	-28.198	5.17
6	MP2A	Mx	.025	5.17
7	MP2B	X	-21.118	1.17
8	MP2B	Z	-36.577	1.17
9	MP2B	Mx	.028	1.17
10	MP2B	X	-21.118	5.17
11	MP2B	Z	-36.577	5.17
12	MP2B	Mx	.028	5.17
13	MP2C	X	-16.28	1.17
14	MP2C	Z	-28.198	1.17
15	MP2C	Mx	-.018	1.17
16	MP2C	X	-16.28	5.17
17	MP2C	Z	-28.198	5.17
18	MP2C	Mx	-.018	5.17
19	MP2A	X	-16.28	1.17
20	MP2A	Z	-28.198	1.17
21	MP2A	Mx	.018	1.17
22	MP2A	X	-16.28	5.17
23	MP2A	Z	-28.198	5.17
24	MP2A	Mx	.018	5.17
25	MP2B	X	-21.118	1.17
26	MP2B	Z	-36.577	1.17
27	MP2B	Mx	-.028	1.17
28	MP2B	X	-21.118	5.17
29	MP2B	Z	-36.577	5.17
30	MP2B	Mx	-.028	5.17
31	MP2C	X	-16.28	1.17
32	MP2C	Z	-28.198	1.17
33	MP2C	Mx	-.025	1.17
34	MP2C	X	-16.28	5.17
35	MP2C	Z	-28.198	5.17
36	MP2C	Mx	-.025	5.17
37	MP4A	X	-4.889	2.17
38	MP4A	Z	-8.467	2.17
39	MP4A	Mx	.006	2.17
40	MP4A	X	-4.889	4.17
41	MP4A	Z	-8.467	4.17
42	MP4A	Mx	.006	4.17
43	MP4B	X	-10.589	2.17
44	MP4B	Z	-18.34	2.17
45	MP4B	Mx	0	2.17
46	MP4B	X	-10.589	4.17
47	MP4B	Z	-18.34	4.17
48	MP4B	Mx	0	4.17
49	MP4C	X	-4.889	2.17
50	MP4C	Z	-8.467	2.17
51	MP4C	Mx	-.006	2.17
52	MP4C	X	-4.889	4.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	-8.467	4.17
54	MP4C	Mx	-.006	4.17
55	MP3A	X	-8.479	2
56	MP3A	Z	-14.686	2
57	MP3A	Mx	-.004	2
58	MP3B	X	-7.152	2
59	MP3B	Z	-12.387	2
60	MP3B	Mx	-.006	2
61	MP3C	X	-8.479	2
62	MP3C	Z	-14.686	2
63	MP3C	Mx	.004	2
64	MP3A	X	-8.227	4
65	MP3A	Z	-14.249	4
66	MP3A	Mx	-.004	4
67	MP3B	X	-6.395	4
68	MP3B	Z	-11.077	4
69	MP3B	Mx	-.006	4
70	MP3C	X	-8.227	4
71	MP3C	Z	-14.249	4
72	MP3C	Mx	.004	4
73	MP1A	X	-10.226	1.17
74	MP1A	Z	-17.712	1.17
75	MP1A	Mx	.024	1.17
76	MP1A	X	-10.226	5.17
77	MP1A	Z	-17.712	5.17
78	MP1A	Mx	.024	5.17
79	MP1B	X	-16.584	1.17
80	MP1B	Z	-28.724	1.17
81	MP1B	Mx	0	1.17
82	MP1B	X	-16.584	5.17
83	MP1B	Z	-28.724	5.17
84	MP1B	Mx	0	5.17
85	MP1C	X	-10.226	1.17
86	MP1C	Z	-17.712	1.17
87	MP1C	Mx	-.018	1.17
88	MP1C	X	-10.226	5.17
89	MP1C	Z	-17.712	5.17
90	MP1C	Mx	-.018	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.17
2	MP2A	Z	-10.313	1.17
3	MP2A	Mx	.004	1.17
4	MP2A	X	0	5.17
5	MP2A	Z	-10.313	5.17
6	MP2A	Mx	.004	5.17
7	MP2B	X	0	1.17
8	MP2B	Z	-12.478	1.17
9	MP2B	Mx	.011	1.17
10	MP2B	X	0	5.17
11	MP2B	Z	-12.478	5.17
12	MP2B	Mx	.011	5.17
13	MP2C	X	0	1.17
14	MP2C	Z	-11.326	1.17
15	MP2C	Mx	-.000931	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2C	X	0	5.17
17	MP2C	Z	-11.326	5.17
18	MP2C	Mx	-.000931	5.17
19	MP2A	X	0	1.17
20	MP2A	Z	-10.313	1.17
21	MP2A	Mx	.009	1.17
22	MP2A	X	0	5.17
23	MP2A	Z	-10.313	5.17
24	MP2A	Mx	.009	5.17
25	MP2B	X	0	1.17
26	MP2B	Z	-12.478	1.17
27	MP2B	Mx	-.003	1.17
28	MP2B	X	0	5.17
29	MP2B	Z	-12.478	5.17
30	MP2B	Mx	-.003	5.17
31	MP2C	X	0	1.17
32	MP2C	Z	-11.326	1.17
33	MP2C	Mx	-.011	1.17
34	MP2C	X	0	5.17
35	MP2C	Z	-11.326	5.17
36	MP2C	Mx	-.011	5.17
37	MP4A	X	0	2.17
38	MP4A	Z	-2.938	2.17
39	MP4A	Mx	.002	2.17
40	MP4A	X	0	4.17
41	MP4A	Z	-2.938	4.17
42	MP4A	Mx	.002	4.17
43	MP4B	X	0	2.17
44	MP4B	Z	-5.383	2.17
45	MP4B	Mx	.002	2.17
46	MP4B	X	0	4.17
47	MP4B	Z	-5.383	4.17
48	MP4B	Mx	.002	4.17
49	MP4C	X	0	2.17
50	MP4C	Z	-4.082	2.17
51	MP4C	Mx	-.002	2.17
52	MP4C	X	0	4.17
53	MP4C	Z	-4.082	4.17
54	MP4C	Mx	-.002	4.17
55	MP3A	X	0	2
56	MP3A	Z	-5.032	2
57	MP3A	Mx	0	2
58	MP3B	X	0	2
59	MP3B	Z	-3.364	2
60	MP3B	Mx	-.002	2
61	MP3C	X	0	2
62	MP3C	Z	-5.032	2
63	MP3C	Mx	0	2
64	MP3A	X	0	4
65	MP3A	Z	-5.032	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	-2.725	4
69	MP3B	Mx	-.001	4
70	MP3C	X	0	4
71	MP3C	Z	-5.032	4
72	MP3C	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1A	X	0	1.17
74	MP1A	Z	-6.156	1.17
75	MP1A	Mx	.007	1.17
76	MP1A	X	0	5.17
77	MP1A	Z	-6.156	5.17
78	MP1A	Mx	.007	5.17
79	MP1B	X	0	1.17
80	MP1B	Z	-9.074	1.17
81	MP1B	Mx	.004	1.17
82	MP1B	X	0	5.17
83	MP1B	Z	-9.074	5.17
84	MP1B	Mx	.004	5.17
85	MP1C	X	0	1.17
86	MP1C	Z	-7.522	1.17
87	MP1C	Mx	-.005	1.17
88	MP1C	X	0	5.17
89	MP1C	Z	-7.522	5.17
90	MP1C	Mx	-.005	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.96	1.17
2	MP2A	Z	-10.323	1.17
3	MP2A	Mx	-.000979	1.17
4	MP2A	X	5.96	5.17
5	MP2A	Z	-10.323	5.17
6	MP2A	Mx	-.000979	5.17
7	MP2B	X	5.384	1.17
8	MP2B	Z	-9.325	1.17
9	MP2B	Mx	.01	1.17
10	MP2B	X	5.384	5.17
11	MP2B	Z	-9.325	5.17
12	MP2B	Mx	.01	5.17
13	MP2C	X	6.467	1.17
14	MP2C	Z	-11.2	1.17
15	MP2C	Mx	.005	1.17
16	MP2C	X	6.467	5.17
17	MP2C	Z	-11.2	5.17
18	MP2C	Mx	.005	5.17
19	MP2A	X	5.96	1.17
20	MP2A	Z	-10.323	1.17
21	MP2A	Mx	.011	1.17
22	MP2A	X	5.96	5.17
23	MP2A	Z	-10.323	5.17
24	MP2A	Mx	.011	5.17
25	MP2B	X	5.384	1.17
26	MP2B	Z	-9.325	1.17
27	MP2B	Mx	.003	1.17
28	MP2B	X	5.384	5.17
29	MP2B	Z	-9.325	5.17
30	MP2B	Mx	.003	5.17
31	MP2C	X	6.467	1.17
32	MP2C	Z	-11.2	1.17
33	MP2C	Mx	-.011	1.17
34	MP2C	X	6.467	5.17
35	MP2C	Z	-11.2	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.011	5.17
37	MP4A	X	2.376	2.17
38	MP4A	Z	-4.116	2.17
39	MP4A	Mx	.002	2.17
40	MP4A	X	2.376	4.17
41	MP4A	Z	-4.116	4.17
42	MP4A	Mx	.002	4.17
43	MP4B	X	1.726	2.17
44	MP4B	Z	-2.989	2.17
45	MP4B	Mx	.002	2.17
46	MP4B	X	1.726	4.17
47	MP4B	Z	-2.989	4.17
48	MP4B	Mx	.002	4.17
49	MP4C	X	2.949	2.17
50	MP4C	Z	-5.107	2.17
51	MP4C	Mx	-.001	2.17
52	MP4C	X	2.949	4.17
53	MP4C	Z	-5.107	4.17
54	MP4C	Mx	-.001	4.17
55	MP3A	X	2.308	2
56	MP3A	Z	-3.997	2
57	MP3A	Mx	.001	2
58	MP3B	X	1.89	2
59	MP3B	Z	-3.274	2
60	MP3B	Mx	-.002	2
61	MP3C	X	2.308	2
62	MP3C	Z	-3.997	2
63	MP3C	Mx	-.001	2
64	MP3A	X	2.228	4
65	MP3A	Z	-3.858	4
66	MP3A	Mx	.001	4
67	MP3B	X	1.651	4
68	MP3B	Z	-2.859	4
69	MP3B	Mx	-.001	4
70	MP3C	X	2.228	4
71	MP3C	Z	-3.858	4
72	MP3C	Mx	-.001	4
73	MP1A	X	4.161	1.17
74	MP1A	Z	-7.207	1.17
75	MP1A	Mx	.006	1.17
76	MP1A	X	4.161	5.17
77	MP1A	Z	-7.207	5.17
78	MP1A	Mx	.006	5.17
79	MP1B	X	3.385	1.17
80	MP1B	Z	-5.862	1.17
81	MP1B	Mx	.005	1.17
82	MP1B	X	3.385	5.17
83	MP1B	Z	-5.862	5.17
84	MP1B	Mx	.005	5.17
85	MP1C	X	4.844	1.17
86	MP1C	Z	-8.389	1.17
87	MP1C	Mx	-.003	1.17
88	MP1C	X	4.844	5.17
89	MP1C	Z	-8.389	5.17
90	MP1C	Mx	-.003	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	11.458	1.17
2	MP2A	Z	-6.615	1.17
3	MP2A	Mx	-.007	1.17
4	MP2A	X	11.458	5.17
5	MP2A	Z	-6.615	5.17
6	MP2A	Mx	-.007	5.17
7	MP2B	X	8.585	1.17
8	MP2B	Z	-4.956	1.17
9	MP2B	Mx	.007	1.17
10	MP2B	X	8.585	5.17
11	MP2B	Z	-4.956	5.17
12	MP2B	Mx	.007	5.17
13	MP2C	X	11.458	1.17
14	MP2C	Z	-6.615	1.17
15	MP2C	Mx	.01	1.17
16	MP2C	X	11.458	5.17
17	MP2C	Z	-6.615	5.17
18	MP2C	Mx	.01	5.17
19	MP2A	X	11.458	1.17
20	MP2A	Z	-6.615	1.17
21	MP2A	Mx	.01	1.17
22	MP2A	X	11.458	5.17
23	MP2A	Z	-6.615	5.17
24	MP2A	Mx	.01	5.17
25	MP2B	X	8.585	1.17
26	MP2B	Z	-4.956	1.17
27	MP2B	Mx	.007	1.17
28	MP2B	X	8.585	5.17
29	MP2B	Z	-4.956	5.17
30	MP2B	Mx	.007	5.17
31	MP2C	X	11.458	1.17
32	MP2C	Z	-6.615	1.17
33	MP2C	Mx	-.007	1.17
34	MP2C	X	11.458	5.17
35	MP2C	Z	-6.615	5.17
36	MP2C	Mx	-.007	5.17
37	MP4A	X	5.398	2.17
38	MP4A	Z	-3.116	2.17
39	MP4A	Mx	.000721	2.17
40	MP4A	X	5.398	4.17
41	MP4A	Z	-3.116	4.17
42	MP4A	Mx	.000721	4.17
43	MP4B	X	2.153	2.17
44	MP4B	Z	-1.243	2.17
45	MP4B	Mx	.002	2.17
46	MP4B	X	2.153	4.17
47	MP4B	Z	-1.243	4.17
48	MP4B	Mx	.002	4.17
49	MP4C	X	5.398	2.17
50	MP4C	Z	-3.116	2.17
51	MP4C	Mx	.000722	2.17
52	MP4C	X	5.398	4.17
53	MP4C	Z	-3.116	4.17
54	MP4C	Mx	.000722	4.17
55	MP3A	X	3.274	2
56	MP3A	Z	-1.89	2
57	MP3A	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	3.997	2
59	MP3B	Z	-2.308	2
60	MP3B	Mx	-.001	2
61	MP3C	X	3.274	2
62	MP3C	Z	-1.89	2
63	MP3C	Mx	-.002	2
64	MP3A	X	2.859	4
65	MP3A	Z	-1.651	4
66	MP3A	Mx	.001	4
67	MP3B	X	3.858	4
68	MP3B	Z	-2.228	4
69	MP3B	Mx	-.001	4
70	MP3C	X	2.859	4
71	MP3C	Z	-1.651	4
72	MP3C	Mx	-.001	4
73	MP1A	X	8.736	1.17
74	MP1A	Z	-5.044	1.17
75	MP1A	Mx	.002	1.17
76	MP1A	X	8.736	5.17
77	MP1A	Z	-5.044	5.17
78	MP1A	Mx	.002	5.17
79	MP1B	X	4.865	1.17
80	MP1B	Z	-2.809	1.17
81	MP1B	Mx	.005	1.17
82	MP1B	X	4.865	5.17
83	MP1B	Z	-2.809	5.17
84	MP1B	Mx	.005	5.17
85	MP1C	X	8.736	1.17
86	MP1C	Z	-5.044	1.17
87	MP1C	Mx	.002	1.17
88	MP1C	X	8.736	5.17
89	MP1C	Z	-5.044	5.17
90	MP1C	Mx	.002	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.933	1.17
2	MP2A	Z	0	1.17
3	MP2A	Mx	-.011	1.17
4	MP2A	X	12.933	5.17
5	MP2A	Z	0	5.17
6	MP2A	Mx	-.011	5.17
7	MP2B	X	10.768	1.17
8	MP2B	Z	0	1.17
9	MP2B	Mx	.003	1.17
10	MP2B	X	10.768	5.17
11	MP2B	Z	0	5.17
12	MP2B	Mx	.003	5.17
13	MP2C	X	11.92	1.17
14	MP2C	Z	0	1.17
15	MP2C	Mx	.011	1.17
16	MP2C	X	11.92	5.17
17	MP2C	Z	0	5.17
18	MP2C	Mx	.011	5.17
19	MP2A	X	12.933	1.17
20	MP2A	Z	0	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	.005	1.17
22	MP2A	X	12.933	5.17
23	MP2A	Z	0	5.17
24	MP2A	Mx	.005	5.17
25	MP2B	X	10.768	1.17
26	MP2B	Z	0	1.17
27	MP2B	Mx	.01	1.17
28	MP2B	X	10.768	5.17
29	MP2B	Z	0	5.17
30	MP2B	Mx	.01	5.17
31	MP2C	X	11.92	1.17
32	MP2C	Z	0	1.17
33	MP2C	Mx	-.000979	1.17
34	MP2C	X	11.92	5.17
35	MP2C	Z	0	5.17
36	MP2C	Mx	-.000979	5.17
37	MP4A	X	5.897	2.17
38	MP4A	Z	0	2.17
39	MP4A	Mx	-.001	2.17
40	MP4A	X	5.897	4.17
41	MP4A	Z	0	4.17
42	MP4A	Mx	-.001	4.17
43	MP4B	X	3.452	2.17
44	MP4B	Z	0	2.17
45	MP4B	Mx	.002	2.17
46	MP4B	X	3.452	4.17
47	MP4B	Z	0	4.17
48	MP4B	Mx	.002	4.17
49	MP4C	X	4.753	2.17
50	MP4C	Z	0	2.17
51	MP4C	Mx	.002	2.17
52	MP4C	X	4.753	4.17
53	MP4C	Z	0	4.17
54	MP4C	Mx	.002	4.17
55	MP3A	X	3.364	2
56	MP3A	Z	0	2
57	MP3A	Mx	.002	2
58	MP3B	X	5.032	2
59	MP3B	Z	0	2
60	MP3B	Mx	0	2
61	MP3C	X	3.364	2
62	MP3C	Z	0	2
63	MP3C	Mx	-.002	2
64	MP3A	X	2.725	4
65	MP3A	Z	0	4
66	MP3A	Mx	.001	4
67	MP3B	X	5.032	4
68	MP3B	Z	0	4
69	MP3B	Mx	0	4
70	MP3C	X	2.725	4
71	MP3C	Z	0	4
72	MP3C	Mx	-.001	4
73	MP1A	X	9.687	1.17
74	MP1A	Z	0	1.17
75	MP1A	Mx	-.004	1.17
76	MP1A	X	9.687	5.17
77	MP1A	Z	0	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1A	Mx	-.004	5.17
79	MP1B	X	6.769	1.17
80	MP1B	Z	0	1.17
81	MP1B	Mx	.005	1.17
82	MP1B	X	6.769	5.17
83	MP1B	Z	0	5.17
84	MP1B	Mx	.005	5.17
85	MP1C	X	8.322	1.17
86	MP1C	Z	0	1.17
87	MP1C	Mx	.005	1.17
88	MP1C	X	8.322	5.17
89	MP1C	Z	0	5.17
90	MP1C	Mx	.005	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.809	1.17
2	MP2A	Z	5.663	1.17
3	MP2A	Mx	-.011	1.17
4	MP2A	X	9.809	5.17
5	MP2A	Z	5.663	5.17
6	MP2A	Mx	-.011	5.17
7	MP2B	X	10.806	1.17
8	MP2B	Z	6.239	1.17
9	MP2B	Mx	-.003	1.17
10	MP2B	X	10.806	5.17
11	MP2B	Z	6.239	5.17
12	MP2B	Mx	-.003	5.17
13	MP2C	X	8.931	1.17
14	MP2C	Z	5.156	1.17
15	MP2C	Mx	.009	1.17
16	MP2C	X	8.931	5.17
17	MP2C	Z	5.156	5.17
18	MP2C	Mx	.009	5.17
19	MP2A	X	9.809	1.17
20	MP2A	Z	5.663	1.17
21	MP2A	Mx	-.000931	1.17
22	MP2A	X	9.809	5.17
23	MP2A	Z	5.663	5.17
24	MP2A	Mx	-.000931	5.17
25	MP2B	X	10.806	1.17
26	MP2B	Z	6.239	1.17
27	MP2B	Mx	.011	1.17
28	MP2B	X	10.806	5.17
29	MP2B	Z	6.239	5.17
30	MP2B	Mx	.011	5.17
31	MP2C	X	8.931	1.17
32	MP2C	Z	5.156	1.17
33	MP2C	Mx	.004	1.17
34	MP2C	X	8.931	5.17
35	MP2C	Z	5.156	5.17
36	MP2C	Mx	.004	5.17
37	MP4A	X	3.535	2.17
38	MP4A	Z	2.041	2.17
39	MP4A	Mx	-.002	2.17
40	MP4A	X	3.535	4.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	2.041	4.17
42	MP4A	Mx	-.002	4.17
43	MP4B	X	4.662	2.17
44	MP4B	Z	2.692	2.17
45	MP4B	Mx	.002	2.17
46	MP4B	X	4.662	4.17
47	MP4B	Z	2.692	4.17
48	MP4B	Mx	.002	4.17
49	MP4C	X	2.544	2.17
50	MP4C	Z	1.469	2.17
51	MP4C	Mx	.002	2.17
52	MP4C	X	2.544	4.17
53	MP4C	Z	1.469	4.17
54	MP4C	Mx	.002	4.17
55	MP3A	X	3.274	2
56	MP3A	Z	1.89	2
57	MP3A	Mx	.002	2
58	MP3B	X	3.997	2
59	MP3B	Z	2.308	2
60	MP3B	Mx	.001	2
61	MP3C	X	3.274	2
62	MP3C	Z	1.89	2
63	MP3C	Mx	-.002	2
64	MP3A	X	2.859	4
65	MP3A	Z	1.651	4
66	MP3A	Mx	.001	4
67	MP3B	X	3.858	4
68	MP3B	Z	2.228	4
69	MP3B	Mx	.001	4
70	MP3C	X	2.859	4
71	MP3C	Z	1.651	4
72	MP3C	Mx	-.001	4
73	MP1A	X	6.514	1.17
74	MP1A	Z	3.761	1.17
75	MP1A	Mx	-.007	1.17
76	MP1A	X	6.514	5.17
77	MP1A	Z	3.761	5.17
78	MP1A	Mx	-.007	5.17
79	MP1B	X	7.858	1.17
80	MP1B	Z	4.537	1.17
81	MP1B	Mx	.004	1.17
82	MP1B	X	7.858	5.17
83	MP1B	Z	4.537	5.17
84	MP1B	Mx	.004	5.17
85	MP1C	X	5.332	1.17
86	MP1C	Z	3.078	1.17
87	MP1C	Mx	.005	1.17
88	MP1C	X	5.332	5.17
89	MP1C	Z	3.078	5.17
90	MP1C	Mx	.005	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.008	1.17
2	MP2A	Z	8.674	1.17
3	MP2A	Mx	-.008	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	X	5.008	5.17
5	MP2A	Z	8.674	5.17
6	MP2A	Mx	-.008	5.17
7	MP2B	X	6.667	1.17
8	MP2B	Z	11.547	1.17
9	MP2B	Mx	-.009	1.17
10	MP2B	X	6.667	5.17
11	MP2B	Z	11.547	5.17
12	MP2B	Mx	-.009	5.17
13	MP2C	X	5.008	1.17
14	MP2C	Z	8.674	1.17
15	MP2C	Mx	.005	1.17
16	MP2C	X	5.008	5.17
17	MP2C	Z	8.674	5.17
18	MP2C	Mx	.005	5.17
19	MP2A	X	5.008	1.17
20	MP2A	Z	8.674	1.17
21	MP2A	Mx	-.005	1.17
22	MP2A	X	5.008	5.17
23	MP2A	Z	8.674	5.17
24	MP2A	Mx	-.005	5.17
25	MP2B	X	6.667	1.17
26	MP2B	Z	11.547	1.17
27	MP2B	Mx	.009	1.17
28	MP2B	X	6.667	5.17
29	MP2B	Z	11.547	5.17
30	MP2B	Mx	.009	5.17
31	MP2C	X	5.008	1.17
32	MP2C	Z	8.674	1.17
33	MP2C	Mx	.008	1.17
34	MP2C	X	5.008	5.17
35	MP2C	Z	8.674	5.17
36	MP2C	Mx	.008	5.17
37	MP4A	X	1.301	2.17
38	MP4A	Z	2.254	2.17
39	MP4A	Mx	-.002	2.17
40	MP4A	X	1.301	4.17
41	MP4A	Z	2.254	4.17
42	MP4A	Mx	-.002	4.17
43	MP4B	X	3.175	2.17
44	MP4B	Z	5.499	2.17
45	MP4B	Mx	0	2.17
46	MP4B	X	3.175	4.17
47	MP4B	Z	5.499	4.17
48	MP4B	Mx	0	4.17
49	MP4C	X	1.301	2.17
50	MP4C	Z	2.254	2.17
51	MP4C	Mx	.002	2.17
52	MP4C	X	1.301	4.17
53	MP4C	Z	2.254	4.17
54	MP4C	Mx	.002	4.17
55	MP3A	X	2.308	2
56	MP3A	Z	3.997	2
57	MP3A	Mx	.001	2
58	MP3B	X	1.89	2
59	MP3B	Z	3.274	2
60	MP3B	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP3C	X	2.308	2
62	MP3C	Z	3.997	2
63	MP3C	Mx	-.001	2
64	MP3A	X	2.228	4
65	MP3A	Z	3.858	4
66	MP3A	Mx	.001	4
67	MP3B	X	1.651	4
68	MP3B	Z	2.859	4
69	MP3B	Mx	.001	4
70	MP3C	X	2.228	4
71	MP3C	Z	3.858	4
72	MP3C	Mx	-.001	4
73	MP1A	X	2.878	1.17
74	MP1A	Z	4.985	1.17
75	MP1A	Mx	-.007	1.17
76	MP1A	X	2.878	5.17
77	MP1A	Z	4.985	5.17
78	MP1A	Mx	-.007	5.17
79	MP1B	X	5.113	1.17
80	MP1B	Z	8.856	1.17
81	MP1B	Mx	0	1.17
82	MP1B	X	5.113	5.17
83	MP1B	Z	8.856	5.17
84	MP1B	Mx	0	5.17
85	MP1C	X	2.878	1.17
86	MP1C	Z	4.985	1.17
87	MP1C	Mx	.005	1.17
88	MP1C	X	2.878	5.17
89	MP1C	Z	4.985	5.17
90	MP1C	Mx	.005	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1.17
2	MP2A	Z	10.313	1.17
3	MP2A	Mx	-.004	1.17
4	MP2A	X	0	5.17
5	MP2A	Z	10.313	5.17
6	MP2A	Mx	-.004	5.17
7	MP2B	X	0	1.17
8	MP2B	Z	12.478	1.17
9	MP2B	Mx	-.011	1.17
10	MP2B	X	0	5.17
11	MP2B	Z	12.478	5.17
12	MP2B	Mx	-.011	5.17
13	MP2C	X	0	1.17
14	MP2C	Z	11.326	1.17
15	MP2C	Mx	.000931	1.17
16	MP2C	X	0	5.17
17	MP2C	Z	11.326	5.17
18	MP2C	Mx	.000931	5.17
19	MP2A	X	0	1.17
20	MP2A	Z	10.313	1.17
21	MP2A	Mx	-.009	1.17
22	MP2A	X	0	5.17
23	MP2A	Z	10.313	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.009	5.17
25	MP2B	X	0	1.17
26	MP2B	Z	12.478	1.17
27	MP2B	Mx	.003	1.17
28	MP2B	X	0	5.17
29	MP2B	Z	12.478	5.17
30	MP2B	Mx	.003	5.17
31	MP2C	X	0	1.17
32	MP2C	Z	11.326	1.17
33	MP2C	Mx	.011	1.17
34	MP2C	X	0	5.17
35	MP2C	Z	11.326	5.17
36	MP2C	Mx	.011	5.17
37	MP4A	X	0	2.17
38	MP4A	Z	2.938	2.17
39	MP4A	Mx	-.002	2.17
40	MP4A	X	0	4.17
41	MP4A	Z	2.938	4.17
42	MP4A	Mx	-.002	4.17
43	MP4B	X	0	2.17
44	MP4B	Z	5.383	2.17
45	MP4B	Mx	-.002	2.17
46	MP4B	X	0	4.17
47	MP4B	Z	5.383	4.17
48	MP4B	Mx	-.002	4.17
49	MP4C	X	0	2.17
50	MP4C	Z	4.082	2.17
51	MP4C	Mx	.002	2.17
52	MP4C	X	0	4.17
53	MP4C	Z	4.082	4.17
54	MP4C	Mx	.002	4.17
55	MP3A	X	0	2
56	MP3A	Z	5.032	2
57	MP3A	Mx	0	2
58	MP3B	X	0	2
59	MP3B	Z	3.364	2
60	MP3B	Mx	.002	2
61	MP3C	X	0	2
62	MP3C	Z	5.032	2
63	MP3C	Mx	0	2
64	MP3A	X	0	4
65	MP3A	Z	5.032	4
66	MP3A	Mx	0	4
67	MP3B	X	0	4
68	MP3B	Z	2.725	4
69	MP3B	Mx	.001	4
70	MP3C	X	0	4
71	MP3C	Z	5.032	4
72	MP3C	Mx	0	4
73	MP1A	X	0	1.17
74	MP1A	Z	6.156	1.17
75	MP1A	Mx	-.007	1.17
76	MP1A	X	0	5.17
77	MP1A	Z	6.156	5.17
78	MP1A	Mx	-.007	5.17
79	MP1B	X	0	1.17
80	MP1B	Z	9.074	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1B	Mx	-.004	1.17
82	MP1B	X	0	5.17
83	MP1B	Z	9.074	5.17
84	MP1B	Mx	-.004	5.17
85	MP1C	X	0	1.17
86	MP1C	Z	7.522	1.17
87	MP1C	Mx	.005	1.17
88	MP1C	X	0	5.17
89	MP1C	Z	7.522	5.17
90	MP1C	Mx	.005	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.96	1.17
2	MP2A	Z	10.323	1.17
3	MP2A	Mx	.000979	1.17
4	MP2A	X	-5.96	5.17
5	MP2A	Z	10.323	5.17
6	MP2A	Mx	.000979	5.17
7	MP2B	X	-5.384	1.17
8	MP2B	Z	9.325	1.17
9	MP2B	Mx	-.01	1.17
10	MP2B	X	-5.384	5.17
11	MP2B	Z	9.325	5.17
12	MP2B	Mx	-.01	5.17
13	MP2C	X	-6.467	1.17
14	MP2C	Z	11.2	1.17
15	MP2C	Mx	-.005	1.17
16	MP2C	X	-6.467	5.17
17	MP2C	Z	11.2	5.17
18	MP2C	Mx	-.005	5.17
19	MP2A	X	-5.96	1.17
20	MP2A	Z	10.323	1.17
21	MP2A	Mx	-.011	1.17
22	MP2A	X	-5.96	5.17
23	MP2A	Z	10.323	5.17
24	MP2A	Mx	-.011	5.17
25	MP2B	X	-5.384	1.17
26	MP2B	Z	9.325	1.17
27	MP2B	Mx	-.003	1.17
28	MP2B	X	-5.384	5.17
29	MP2B	Z	9.325	5.17
30	MP2B	Mx	-.003	5.17
31	MP2C	X	-6.467	1.17
32	MP2C	Z	11.2	1.17
33	MP2C	Mx	.011	1.17
34	MP2C	X	-6.467	5.17
35	MP2C	Z	11.2	5.17
36	MP2C	Mx	.011	5.17
37	MP4A	X	-2.376	2.17
38	MP4A	Z	4.116	2.17
39	MP4A	Mx	-.002	2.17
40	MP4A	X	-2.376	4.17
41	MP4A	Z	4.116	4.17
42	MP4A	Mx	-.002	4.17
43	MP4B	X	-1.726	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	2.989	2.17
45	MP4B	Mx	-.002	2.17
46	MP4B	X	-1.726	4.17
47	MP4B	Z	2.989	4.17
48	MP4B	Mx	-.002	4.17
49	MP4C	X	-2.949	2.17
50	MP4C	Z	5.107	2.17
51	MP4C	Mx	.001	2.17
52	MP4C	X	-2.949	4.17
53	MP4C	Z	5.107	4.17
54	MP4C	Mx	.001	4.17
55	MP3A	X	-2.308	2
56	MP3A	Z	3.997	2
57	MP3A	Mx	-.001	2
58	MP3B	X	-1.89	2
59	MP3B	Z	3.274	2
60	MP3B	Mx	.002	2
61	MP3C	X	-2.308	2
62	MP3C	Z	3.997	2
63	MP3C	Mx	.001	2
64	MP3A	X	-2.228	4
65	MP3A	Z	3.858	4
66	MP3A	Mx	-.001	4
67	MP3B	X	-1.651	4
68	MP3B	Z	2.859	4
69	MP3B	Mx	.001	4
70	MP3C	X	-2.228	4
71	MP3C	Z	3.858	4
72	MP3C	Mx	.001	4
73	MP1A	X	-4.161	1.17
74	MP1A	Z	7.207	1.17
75	MP1A	Mx	-.006	1.17
76	MP1A	X	-4.161	5.17
77	MP1A	Z	7.207	5.17
78	MP1A	Mx	-.006	5.17
79	MP1B	X	-3.385	1.17
80	MP1B	Z	5.862	1.17
81	MP1B	Mx	-.005	1.17
82	MP1B	X	-3.385	5.17
83	MP1B	Z	5.862	5.17
84	MP1B	Mx	-.005	5.17
85	MP1C	X	-4.844	1.17
86	MP1C	Z	8.389	1.17
87	MP1C	Mx	.003	1.17
88	MP1C	X	-4.844	5.17
89	MP1C	Z	8.389	5.17
90	MP1C	Mx	.003	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-11.458	1.17
2	MP2A	Z	6.615	1.17
3	MP2A	Mx	.007	1.17
4	MP2A	X	-11.458	5.17
5	MP2A	Z	6.615	5.17
6	MP2A	Mx	.007	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	-8.585	1.17
8	MP2B	Z	4.956	1.17
9	MP2B	Mx	-.007	1.17
10	MP2B	X	-8.585	5.17
11	MP2B	Z	4.956	5.17
12	MP2B	Mx	-.007	5.17
13	MP2C	X	-11.458	1.17
14	MP2C	Z	6.615	1.17
15	MP2C	Mx	-.01	1.17
16	MP2C	X	-11.458	5.17
17	MP2C	Z	6.615	5.17
18	MP2C	Mx	-.01	5.17
19	MP2A	X	-11.458	1.17
20	MP2A	Z	6.615	1.17
21	MP2A	Mx	-.01	1.17
22	MP2A	X	-11.458	5.17
23	MP2A	Z	6.615	5.17
24	MP2A	Mx	-.01	5.17
25	MP2B	X	-8.585	1.17
26	MP2B	Z	4.956	1.17
27	MP2B	Mx	-.007	1.17
28	MP2B	X	-8.585	5.17
29	MP2B	Z	4.956	5.17
30	MP2B	Mx	-.007	5.17
31	MP2C	X	-11.458	1.17
32	MP2C	Z	6.615	1.17
33	MP2C	Mx	.007	1.17
34	MP2C	X	-11.458	5.17
35	MP2C	Z	6.615	5.17
36	MP2C	Mx	.007	5.17
37	MP4A	X	-5.398	2.17
38	MP4A	Z	3.116	2.17
39	MP4A	Mx	-.000721	2.17
40	MP4A	X	-5.398	4.17
41	MP4A	Z	3.116	4.17
42	MP4A	Mx	-.000721	4.17
43	MP4B	X	-2.153	2.17
44	MP4B	Z	1.243	2.17
45	MP4B	Mx	-.002	2.17
46	MP4B	X	-2.153	4.17
47	MP4B	Z	1.243	4.17
48	MP4B	Mx	-.002	4.17
49	MP4C	X	-5.398	2.17
50	MP4C	Z	3.116	2.17
51	MP4C	Mx	-.000722	2.17
52	MP4C	X	-5.398	4.17
53	MP4C	Z	3.116	4.17
54	MP4C	Mx	-.000722	4.17
55	MP3A	X	-3.274	2
56	MP3A	Z	1.89	2
57	MP3A	Mx	-.002	2
58	MP3B	X	-3.997	2
59	MP3B	Z	2.308	2
60	MP3B	Mx	.001	2
61	MP3C	X	-3.274	2
62	MP3C	Z	1.89	2
63	MP3C	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3A	X	-2.859	4
65	MP3A	Z	1.651	4
66	MP3A	Mx	-.001	4
67	MP3B	X	-3.858	4
68	MP3B	Z	2.228	4
69	MP3B	Mx	.001	4
70	MP3C	X	-2.859	4
71	MP3C	Z	1.651	4
72	MP3C	Mx	.001	4
73	MP1A	X	-8.736	1.17
74	MP1A	Z	5.044	1.17
75	MP1A	Mx	-.002	1.17
76	MP1A	X	-8.736	5.17
77	MP1A	Z	5.044	5.17
78	MP1A	Mx	-.002	5.17
79	MP1B	X	-4.865	1.17
80	MP1B	Z	2.809	1.17
81	MP1B	Mx	-.005	1.17
82	MP1B	X	-4.865	5.17
83	MP1B	Z	2.809	5.17
84	MP1B	Mx	-.005	5.17
85	MP1C	X	-8.736	1.17
86	MP1C	Z	5.044	1.17
87	MP1C	Mx	-.002	1.17
88	MP1C	X	-8.736	5.17
89	MP1C	Z	5.044	5.17
90	MP1C	Mx	-.002	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-12.933	1.17
2	MP2A	Z	0	1.17
3	MP2A	Mx	.011	1.17
4	MP2A	X	-12.933	5.17
5	MP2A	Z	0	5.17
6	MP2A	Mx	.011	5.17
7	MP2B	X	-10.768	1.17
8	MP2B	Z	0	1.17
9	MP2B	Mx	-.003	1.17
10	MP2B	X	-10.768	5.17
11	MP2B	Z	0	5.17
12	MP2B	Mx	-.003	5.17
13	MP2C	X	-11.92	1.17
14	MP2C	Z	0	1.17
15	MP2C	Mx	-.011	1.17
16	MP2C	X	-11.92	5.17
17	MP2C	Z	0	5.17
18	MP2C	Mx	-.011	5.17
19	MP2A	X	-12.933	1.17
20	MP2A	Z	0	1.17
21	MP2A	Mx	-.005	1.17
22	MP2A	X	-12.933	5.17
23	MP2A	Z	0	5.17
24	MP2A	Mx	-.005	5.17
25	MP2B	X	-10.768	1.17
26	MP2B	Z	0	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.01	1.17
28	MP2B	X	-10.768	5.17
29	MP2B	Z	0	5.17
30	MP2B	Mx	-.01	5.17
31	MP2C	X	-11.92	1.17
32	MP2C	Z	0	1.17
33	MP2C	Mx	.000979	1.17
34	MP2C	X	-11.92	5.17
35	MP2C	Z	0	5.17
36	MP2C	Mx	.000979	5.17
37	MP4A	X	-5.897	2.17
38	MP4A	Z	0	2.17
39	MP4A	Mx	.001	2.17
40	MP4A	X	-5.897	4.17
41	MP4A	Z	0	4.17
42	MP4A	Mx	.001	4.17
43	MP4B	X	-3.452	2.17
44	MP4B	Z	0	2.17
45	MP4B	Mx	-.002	2.17
46	MP4B	X	-3.452	4.17
47	MP4B	Z	0	4.17
48	MP4B	Mx	-.002	4.17
49	MP4C	X	-4.753	2.17
50	MP4C	Z	0	2.17
51	MP4C	Mx	-.002	2.17
52	MP4C	X	-4.753	4.17
53	MP4C	Z	0	4.17
54	MP4C	Mx	-.002	4.17
55	MP3A	X	-3.364	2
56	MP3A	Z	0	2
57	MP3A	Mx	-.002	2
58	MP3B	X	-5.032	2
59	MP3B	Z	0	2
60	MP3B	Mx	0	2
61	MP3C	X	-3.364	2
62	MP3C	Z	0	2
63	MP3C	Mx	.002	2
64	MP3A	X	-2.725	4
65	MP3A	Z	0	4
66	MP3A	Mx	-.001	4
67	MP3B	X	-5.032	4
68	MP3B	Z	0	4
69	MP3B	Mx	0	4
70	MP3C	X	-2.725	4
71	MP3C	Z	0	4
72	MP3C	Mx	.001	4
73	MP1A	X	-9.687	1.17
74	MP1A	Z	0	1.17
75	MP1A	Mx	.004	1.17
76	MP1A	X	-9.687	5.17
77	MP1A	Z	0	5.17
78	MP1A	Mx	.004	5.17
79	MP1B	X	-6.769	1.17
80	MP1B	Z	0	1.17
81	MP1B	Mx	-.005	1.17
82	MP1B	X	-6.769	5.17
83	MP1B	Z	0	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1B	Mx	-.005	5.17
85	MP1C	X	-8.322	1.17
86	MP1C	Z	0	1.17
87	MP1C	Mx	-.005	1.17
88	MP1C	X	-8.322	5.17
89	MP1C	Z	0	5.17
90	MP1C	Mx	-.005	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-9.809	1.17
2	MP2A	Z	-5.663	1.17
3	MP2A	Mx	.011	1.17
4	MP2A	X	-9.809	5.17
5	MP2A	Z	-5.663	5.17
6	MP2A	Mx	.011	5.17
7	MP2B	X	-10.806	1.17
8	MP2B	Z	-6.239	1.17
9	MP2B	Mx	.003	1.17
10	MP2B	X	-10.806	5.17
11	MP2B	Z	-6.239	5.17
12	MP2B	Mx	.003	5.17
13	MP2C	X	-8.931	1.17
14	MP2C	Z	-5.156	1.17
15	MP2C	Mx	-.009	1.17
16	MP2C	X	-8.931	5.17
17	MP2C	Z	-5.156	5.17
18	MP2C	Mx	-.009	5.17
19	MP2A	X	-9.809	1.17
20	MP2A	Z	-5.663	1.17
21	MP2A	Mx	.000931	1.17
22	MP2A	X	-9.809	5.17
23	MP2A	Z	-5.663	5.17
24	MP2A	Mx	.000931	5.17
25	MP2B	X	-10.806	1.17
26	MP2B	Z	-6.239	1.17
27	MP2B	Mx	-.011	1.17
28	MP2B	X	-10.806	5.17
29	MP2B	Z	-6.239	5.17
30	MP2B	Mx	-.011	5.17
31	MP2C	X	-8.931	1.17
32	MP2C	Z	-5.156	1.17
33	MP2C	Mx	-.004	1.17
34	MP2C	X	-8.931	5.17
35	MP2C	Z	-5.156	5.17
36	MP2C	Mx	-.004	5.17
37	MP4A	X	-3.535	2.17
38	MP4A	Z	-2.041	2.17
39	MP4A	Mx	.002	2.17
40	MP4A	X	-3.535	4.17
41	MP4A	Z	-2.041	4.17
42	MP4A	Mx	.002	4.17
43	MP4B	X	-4.662	2.17
44	MP4B	Z	-2.692	2.17
45	MP4B	Mx	-.002	2.17
46	MP4B	X	-4.662	4.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP4B	Z	-2.692	4.17
48	MP4B	Mx	-.002	4.17
49	MP4C	X	-2.544	2.17
50	MP4C	Z	-1.469	2.17
51	MP4C	Mx	-.002	2.17
52	MP4C	X	-2.544	4.17
53	MP4C	Z	-1.469	4.17
54	MP4C	Mx	-.002	4.17
55	MP3A	X	-3.274	2
56	MP3A	Z	-1.89	2
57	MP3A	Mx	-.002	2
58	MP3B	X	-3.997	2
59	MP3B	Z	-2.308	2
60	MP3B	Mx	-.001	2
61	MP3C	X	-3.274	2
62	MP3C	Z	-1.89	2
63	MP3C	Mx	.002	2
64	MP3A	X	-2.859	4
65	MP3A	Z	-1.651	4
66	MP3A	Mx	-.001	4
67	MP3B	X	-3.858	4
68	MP3B	Z	-2.228	4
69	MP3B	Mx	-.001	4
70	MP3C	X	-2.859	4
71	MP3C	Z	-1.651	4
72	MP3C	Mx	.001	4
73	MP1A	X	-6.514	1.17
74	MP1A	Z	-3.761	1.17
75	MP1A	Mx	.007	1.17
76	MP1A	X	-6.514	5.17
77	MP1A	Z	-3.761	5.17
78	MP1A	Mx	.007	5.17
79	MP1B	X	-7.858	1.17
80	MP1B	Z	-4.537	1.17
81	MP1B	Mx	-.004	1.17
82	MP1B	X	-7.858	5.17
83	MP1B	Z	-4.537	5.17
84	MP1B	Mx	-.004	5.17
85	MP1C	X	-5.332	1.17
86	MP1C	Z	-3.078	1.17
87	MP1C	Mx	-.005	1.17
88	MP1C	X	-5.332	5.17
89	MP1C	Z	-3.078	5.17
90	MP1C	Mx	-.005	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.008	1.17
2	MP2A	Z	-8.674	1.17
3	MP2A	Mx	.008	1.17
4	MP2A	X	-5.008	5.17
5	MP2A	Z	-8.674	5.17
6	MP2A	Mx	.008	5.17
7	MP2B	X	-6.667	1.17
8	MP2B	Z	-11.547	1.17
9	MP2B	Mx	.009	1.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2B	X	-6.667	5.17
11	MP2B	Z	-11.547	5.17
12	MP2B	Mx	.009	5.17
13	MP2C	X	-5.008	1.17
14	MP2C	Z	-8.674	1.17
15	MP2C	Mx	-.005	1.17
16	MP2C	X	-5.008	5.17
17	MP2C	Z	-8.674	5.17
18	MP2C	Mx	-.005	5.17
19	MP2A	X	-5.008	1.17
20	MP2A	Z	-8.674	1.17
21	MP2A	Mx	.005	1.17
22	MP2A	X	-5.008	5.17
23	MP2A	Z	-8.674	5.17
24	MP2A	Mx	.005	5.17
25	MP2B	X	-6.667	1.17
26	MP2B	Z	-11.547	1.17
27	MP2B	Mx	-.009	1.17
28	MP2B	X	-6.667	5.17
29	MP2B	Z	-11.547	5.17
30	MP2B	Mx	-.009	5.17
31	MP2C	X	-5.008	1.17
32	MP2C	Z	-8.674	1.17
33	MP2C	Mx	-.008	1.17
34	MP2C	X	-5.008	5.17
35	MP2C	Z	-8.674	5.17
36	MP2C	Mx	-.008	5.17
37	MP4A	X	-1.301	2.17
38	MP4A	Z	-2.254	2.17
39	MP4A	Mx	.002	2.17
40	MP4A	X	-1.301	4.17
41	MP4A	Z	-2.254	4.17
42	MP4A	Mx	.002	4.17
43	MP4B	X	-3.175	2.17
44	MP4B	Z	-5.499	2.17
45	MP4B	Mx	0	2.17
46	MP4B	X	-3.175	4.17
47	MP4B	Z	-5.499	4.17
48	MP4B	Mx	0	4.17
49	MP4C	X	-1.301	2.17
50	MP4C	Z	-2.254	2.17
51	MP4C	Mx	-.002	2.17
52	MP4C	X	-1.301	4.17
53	MP4C	Z	-2.254	4.17
54	MP4C	Mx	-.002	4.17
55	MP3A	X	-2.308	2
56	MP3A	Z	-3.997	2
57	MP3A	Mx	-.001	2
58	MP3B	X	-1.89	2
59	MP3B	Z	-3.274	2
60	MP3B	Mx	-.002	2
61	MP3C	X	-2.308	2
62	MP3C	Z	-3.997	2
63	MP3C	Mx	.001	2
64	MP3A	X	-2.228	4
65	MP3A	Z	-3.858	4
66	MP3A	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP3B	X	-1.651	4
68	MP3B	Z	-2.859	4
69	MP3B	Mx	-.001	4
70	MP3C	X	-2.228	4
71	MP3C	Z	-3.858	4
72	MP3C	Mx	.001	4
73	MP1A	X	-2.878	1.17
74	MP1A	Z	-4.985	1.17
75	MP1A	Mx	.007	1.17
76	MP1A	X	-2.878	5.17
77	MP1A	Z	-4.985	5.17
78	MP1A	Mx	.007	5.17
79	MP1B	X	-5.113	1.17
80	MP1B	Z	-8.856	1.17
81	MP1B	Mx	0	1.17
82	MP1B	X	-5.113	5.17
83	MP1B	Z	-8.856	5.17
84	MP1B	Mx	0	5.17
85	MP1C	X	-2.878	1.17
86	MP1C	Z	-4.985	1.17
87	MP1C	Mx	-.005	1.17
88	MP1C	X	-2.878	5.17
89	MP1C	Z	-4.985	5.17
90	MP1C	Mx	-.005	5.17

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M5	Y	-500	%6

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M5	Y	-500	%36

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M5	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M5	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-15.872	-15.872	0	%100
2	M2	Y	-15.872	-15.872	0	%100
3	M3	Y	-15.872	-15.872	0	%100
4	M4	Y	-15.872	-15.872	0	%100
5	M5	Y	-15.872	-15.872	0	%100
6	M6	Y	-15.872	-15.872	0	%100
7	M7	Y	-15.872	-15.872	0	%100
8	M8	Y	-15.872	-15.872	0	%100
9	M9	Y	-12.843	-12.843	0	%100
10	M10	Y	-12.843	-12.843	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
11	M11	Y	-12.843	-12.843	0	%100
12	M12	Y	-12.843	-12.843	0	%100
13	M13	Y	-9.814	-9.814	0	%100
14	M14	Y	-9.814	-9.814	0	%100
15	M15	Y	-9.814	-9.814	0	%100
16	M16	Y	-9.814	-9.814	0	%100
17	M17	Y	-9.814	-9.814	0	%100
18	M18	Y	-9.814	-9.814	0	%100
19	M19	Y	-9.814	-9.814	0	%100
20	M20	Y	-9.814	-9.814	0	%100
21	M21	Y	-9.814	-9.814	0	%100
22	M22	Y	-9.814	-9.814	0	%100
23	M23	Y	-9.814	-9.814	0	%100
24	M24	Y	-9.814	-9.814	0	%100
25	MP1A	Y	-8.842	-8.842	0	%100
26	MP2A	Y	-9.913	-9.913	0	%100
27	MP3A	Y	-8.842	-8.842	0	%100
28	MP4A	Y	-8.842	-8.842	0	%100
29	MP1B	Y	-8.842	-8.842	0	%100
30	MP2B	Y	-9.913	-9.913	0	%100
31	MP3B	Y	-8.842	-8.842	0	%100
32	MP4B	Y	-8.842	-8.842	0	%100
33	MP1C	Y	-8.842	-8.842	0	%100
34	MP2C	Y	-9.913	-9.913	0	%100
35	MP3C	Y	-8.842	-8.842	0	%100
36	MP4C	Y	-8.842	-8.842	0	%100
37	M49	Y	-8.842	-8.842	0	%100
38	M50	Y	-8.842	-8.842	0	%100
39	M51	Y	-8.842	-8.842	0	%100
40	M52	Y	-8.842	-8.842	0	%100
41	M61	Y	-8.842	-8.842	0	%100
42	M63	Y	-15.268	-15.268	0	%100
43	M69	Y	-8.842	-8.842	0	%100
44	M71	Y	-15.268	-15.268	0	%100
45	M77	Y	-8.842	-8.842	0	%100
46	M79	Y	-15.268	-15.268	0	%100
47	M85	Y	-8.842	-8.842	0	%100
48	M87	Y	-15.268	-15.268	0	%100
49	M98	Y	-15.872	-15.872	0	%100
50	M101	Y	-15.872	-15.872	0	%100
51	M104	Y	-15.872	-15.872	0	%100
52	M107	Y	-15.872	-15.872	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-8.821	-8.821	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-8.821	-8.821	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-8.821	-8.821	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-8.821	-8.821	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-17.643	-17.643	0	%100
11	M6	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-17.643	-17.643	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-21.171	-21.171	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-21.171	-21.171	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-12.614	-12.614	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-12.614	-12.614	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-12.614	-12.614	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-12.614	-12.614	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-12.614	-12.614	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-12.614	-12.614	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	0	0	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-10.056	-10.056	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-12.173	-12.173	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-10.056	-10.056	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-10.056	-10.056	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	-10.056	-10.056	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	-12.173	-12.173	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-10.056	-10.056	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-10.056	-10.056	0	%100
65	MP1C	X	0	0	0	%100
66	MP1C	Z	-10.056	-10.056	0	%100
67	MP2C	X	0	0	0	%100
68	MP2C	Z	-12.173	-12.173	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
69	MP3C	X	0	0	0	%100
70	MP3C	Z	-10.056	-10.056	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	-10.056	-10.056	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	-10.056	-10.056	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	-10.056	-10.056	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	-10.056	-10.056	0	%100
79	M52	X	0	0	0	%100
80	M52	Z	-10.056	-10.056	0	%100
81	M61	X	0	0	0	%100
82	M61	Z	0	0	0	%100
83	M63	X	0	0	0	%100
84	M63	Z	-13.019	-13.019	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	-10.056	-10.056	0	%100
87	M71	X	0	0	0	%100
88	M71	Z	-13.019	-13.019	0	%100
89	M77	X	0	0	0	%100
90	M77	Z	0	0	0	%100
91	M79	X	0	0	0	%100
92	M79	Z	-13.019	-13.019	0	%100
93	M85	X	0	0	0	%100
94	M85	Z	-10.056	-10.056	0	%100
95	M87	X	0	0	0	%100
96	M87	Z	-13.019	-13.019	0	%100
97	M98	X	0	0	0	%100
98	M98	Z	-9.017	-9.017	0	%100
99	M101	X	0	0	0	%100
100	M101	Z	-9.017	-9.017	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	-9.017	-9.017	0	%100
103	M107	X	0	0	0	%100
104	M107	Z	-9.017	-9.017	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	8.23	8.23	0	%100
2	M1	Z	-14.255	-14.255	0	%100
3	M2	X	.591	.591	0	%100
4	M2	Z	-1.023	-1.023	0	%100
5	M3	X	8.23	8.23	0	%100
6	M3	Z	-14.255	-14.255	0	%100
7	M4	X	.591	.591	0	%100
8	M4	Z	-1.023	-1.023	0	%100
9	M5	X	6.616	6.616	0	%100
10	M5	Z	-11.459	-11.459	0	%100
11	M6	X	2.205	2.205	0	%100
12	M6	Z	-3.82	-3.82	0	%100
13	M7	X	6.616	6.616	0	%100
14	M7	Z	-11.459	-11.459	0	%100
15	M8	X	2.205	2.205	0	%100
16	M8	Z	-3.82	-3.82	0	%100
17	M9	X	7.939	7.939	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
18	M9	Z	-13.751	-13.751	0	%100
19	M10	X	2.646	2.646	0	%100
20	M10	Z	-4.584	-4.584	0	%100
21	M11	X	7.939	7.939	0	%100
22	M11	Z	-13.751	-13.751	0	%100
23	M12	X	2.646	2.646	0	%100
24	M12	Z	-4.584	-4.584	0	%100
25	M13	X	4.73	4.73	0	%100
26	M13	Z	-8.193	-8.193	0	%100
27	M14	X	4.73	4.73	0	%100
28	M14	Z	-8.193	-8.193	0	%100
29	M15	X	4.73	4.73	0	%100
30	M15	Z	-8.193	-8.193	0	%100
31	M16	X	1.577	1.577	0	%100
32	M16	Z	-2.731	-2.731	0	%100
33	M17	X	1.577	1.577	0	%100
34	M17	Z	-2.731	-2.731	0	%100
35	M18	X	1.577	1.577	0	%100
36	M18	Z	-2.731	-2.731	0	%100
37	M19	X	4.73	4.73	0	%100
38	M19	Z	-8.193	-8.193	0	%100
39	M20	X	4.73	4.73	0	%100
40	M20	Z	-8.193	-8.193	0	%100
41	M21	X	4.73	4.73	0	%100
42	M21	Z	-8.193	-8.193	0	%100
43	M22	X	1.577	1.577	0	%100
44	M22	Z	-2.731	-2.731	0	%100
45	M23	X	1.577	1.577	0	%100
46	M23	Z	-2.731	-2.731	0	%100
47	M24	X	1.577	1.577	0	%100
48	M24	Z	-2.731	-2.731	0	%100
49	MP1A	X	5.028	5.028	0	%100
50	MP1A	Z	-8.709	-8.709	0	%100
51	MP2A	X	6.087	6.087	0	%100
52	MP2A	Z	-10.542	-10.542	0	%100
53	MP3A	X	5.028	5.028	0	%100
54	MP3A	Z	-8.709	-8.709	0	%100
55	MP4A	X	5.028	5.028	0	%100
56	MP4A	Z	-8.709	-8.709	0	%100
57	MP1B	X	5.028	5.028	0	%100
58	MP1B	Z	-8.709	-8.709	0	%100
59	MP2B	X	6.087	6.087	0	%100
60	MP2B	Z	-10.542	-10.542	0	%100
61	MP3B	X	5.028	5.028	0	%100
62	MP3B	Z	-8.709	-8.709	0	%100
63	MP4B	X	5.028	5.028	0	%100
64	MP4B	Z	-8.709	-8.709	0	%100
65	MP1C	X	5.028	5.028	0	%100
66	MP1C	Z	-8.709	-8.709	0	%100
67	MP2C	X	6.087	6.087	0	%100
68	MP2C	Z	-10.542	-10.542	0	%100
69	MP3C	X	5.028	5.028	0	%100
70	MP3C	Z	-8.709	-8.709	0	%100
71	MP4C	X	5.028	5.028	0	%100
72	MP4C	Z	-8.709	-8.709	0	%100
73	M49	X	5.028	5.028	0	%100
74	M49	Z	-8.709	-8.709	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
75	M50	X	5.028	5.028	0	%100
76	M50	Z	-8.709	-8.709	0	%100
77	M51	X	5.028	5.028	0	%100
78	M51	Z	-8.709	-8.709	0	%100
79	M52	X	5.028	5.028	0	%100
80	M52	Z	-8.709	-8.709	0	%100
81	M61	X	1.257	1.257	0	%100
82	M61	Z	-2.177	-2.177	0	%100
83	M63	X	4.507	4.507	0	%100
84	M63	Z	-7.807	-7.807	0	%100
85	M69	X	3.771	3.771	0	%100
86	M69	Z	-6.532	-6.532	0	%100
87	M71	X	8.512	8.512	0	%100
88	M71	Z	-14.742	-14.742	0	%100
89	M77	X	1.257	1.257	0	%100
90	M77	Z	-2.177	-2.177	0	%100
91	M79	X	4.507	4.507	0	%100
92	M79	Z	-7.807	-7.807	0	%100
93	M85	X	3.771	3.771	0	%100
94	M85	Z	-6.532	-6.532	0	%100
95	M87	X	8.512	8.512	0	%100
96	M87	Z	-14.742	-14.742	0	%100
97	M98	X	8.413	8.413	0	%100
98	M98	Z	-14.572	-14.572	0	%100
99	M101	X	.604	.604	0	%100
100	M101	Z	-1.046	-1.046	0	%100
101	M104	X	8.413	8.413	0	%100
102	M104	Z	-14.572	-14.572	0	%100
103	M107	X	.604	.604	0	%100
104	M107	Z	-1.046	-1.046	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	14.255	14.255	0	%100
2	M1	Z	-8.23	-8.23	0	%100
3	M2	X	1.023	1.023	0	%100
4	M2	Z	-.591	-.591	0	%100
5	M3	X	14.255	14.255	0	%100
6	M3	Z	-8.23	-8.23	0	%100
7	M4	X	1.023	1.023	0	%100
8	M4	Z	-.591	-.591	0	%100
9	M5	X	3.82	3.82	0	%100
10	M5	Z	-2.205	-2.205	0	%100
11	M6	X	11.459	11.459	0	%100
12	M6	Z	-6.616	-6.616	0	%100
13	M7	X	3.82	3.82	0	%100
14	M7	Z	-2.205	-2.205	0	%100
15	M8	X	11.459	11.459	0	%100
16	M8	Z	-6.616	-6.616	0	%100
17	M9	X	4.584	4.584	0	%100
18	M9	Z	-2.646	-2.646	0	%100
19	M10	X	13.751	13.751	0	%100
20	M10	Z	-7.939	-7.939	0	%100
21	M11	X	4.584	4.584	0	%100
22	M11	Z	-2.646	-2.646	0	%100
23	M12	X	13.751	13.751	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
24	M12	Z	-7.939	-7.939	0	%100
25	M13	X	2.731	2.731	0	%100
26	M13	Z	-1.577	-1.577	0	%100
27	M14	X	2.731	2.731	0	%100
28	M14	Z	-1.577	-1.577	0	%100
29	M15	X	2.731	2.731	0	%100
30	M15	Z	-1.577	-1.577	0	%100
31	M16	X	8.193	8.193	0	%100
32	M16	Z	-4.73	-4.73	0	%100
33	M17	X	8.193	8.193	0	%100
34	M17	Z	-4.73	-4.73	0	%100
35	M18	X	8.193	8.193	0	%100
36	M18	Z	-4.73	-4.73	0	%100
37	M19	X	2.731	2.731	0	%100
38	M19	Z	-1.577	-1.577	0	%100
39	M20	X	2.731	2.731	0	%100
40	M20	Z	-1.577	-1.577	0	%100
41	M21	X	2.731	2.731	0	%100
42	M21	Z	-1.577	-1.577	0	%100
43	M22	X	8.193	8.193	0	%100
44	M22	Z	-4.73	-4.73	0	%100
45	M23	X	8.193	8.193	0	%100
46	M23	Z	-4.73	-4.73	0	%100
47	M24	X	8.193	8.193	0	%100
48	M24	Z	-4.73	-4.73	0	%100
49	MP1A	X	8.709	8.709	0	%100
50	MP1A	Z	-5.028	-5.028	0	%100
51	MP2A	X	10.542	10.542	0	%100
52	MP2A	Z	-6.087	-6.087	0	%100
53	MP3A	X	8.709	8.709	0	%100
54	MP3A	Z	-5.028	-5.028	0	%100
55	MP4A	X	8.709	8.709	0	%100
56	MP4A	Z	-5.028	-5.028	0	%100
57	MP1B	X	8.709	8.709	0	%100
58	MP1B	Z	-5.028	-5.028	0	%100
59	MP2B	X	10.542	10.542	0	%100
60	MP2B	Z	-6.087	-6.087	0	%100
61	MP3B	X	8.709	8.709	0	%100
62	MP3B	Z	-5.028	-5.028	0	%100
63	MP4B	X	8.709	8.709	0	%100
64	MP4B	Z	-5.028	-5.028	0	%100
65	MP1C	X	8.709	8.709	0	%100
66	MP1C	Z	-5.028	-5.028	0	%100
67	MP2C	X	10.542	10.542	0	%100
68	MP2C	Z	-6.087	-6.087	0	%100
69	MP3C	X	8.709	8.709	0	%100
70	MP3C	Z	-5.028	-5.028	0	%100
71	MP4C	X	8.709	8.709	0	%100
72	MP4C	Z	-5.028	-5.028	0	%100
73	M49	X	8.709	8.709	0	%100
74	M49	Z	-5.028	-5.028	0	%100
75	M50	X	8.709	8.709	0	%100
76	M50	Z	-5.028	-5.028	0	%100
77	M51	X	8.709	8.709	0	%100
78	M51	Z	-5.028	-5.028	0	%100
79	M52	X	8.709	8.709	0	%100
80	M52	Z	-5.028	-5.028	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
81	M61	X	6.532	6.532	0	%100
82	M61	Z	-3.771	-3.771	0	%100
83	M63	X	7.807	7.807	0	%100
84	M63	Z	-4.507	-4.507	0	%100
85	M69	X	2.177	2.177	0	%100
86	M69	Z	-1.257	-1.257	0	%100
87	M71	X	14.742	14.742	0	%100
88	M71	Z	-8.512	-8.512	0	%100
89	M77	X	6.532	6.532	0	%100
90	M77	Z	-3.771	-3.771	0	%100
91	M79	X	7.807	7.807	0	%100
92	M79	Z	-4.507	-4.507	0	%100
93	M85	X	2.177	2.177	0	%100
94	M85	Z	-1.257	-1.257	0	%100
95	M87	X	14.742	14.742	0	%100
96	M87	Z	-8.512	-8.512	0	%100
97	M98	X	14.572	14.572	0	%100
98	M98	Z	-8.413	-8.413	0	%100
99	M101	X	1.046	1.046	0	%100
100	M101	Z	-.604	-.604	0	%100
101	M104	X	14.572	14.572	0	%100
102	M104	Z	-8.413	-8.413	0	%100
103	M107	X	1.046	1.046	0	%100
104	M107	Z	-.604	-.604	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	8.821	8.821	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	8.821	8.821	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	8.821	8.821	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	8.821	8.821	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	17.643	17.643	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	17.643	17.643	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	21.171	21.171	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	21.171	21.171	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
30	M15	Z	0	0	0	%100
31	M16	X	12.614	12.614	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	12.614	12.614	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	12.614	12.614	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	12.614	12.614	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	12.614	12.614	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	12.614	12.614	0	%100
48	M24	Z	0	0	0	%100
49	MP1A	X	10.056	10.056	0	%100
50	MP1A	Z	0	0	0	%100
51	MP2A	X	12.173	12.173	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	10.056	10.056	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	10.056	10.056	0	%100
56	MP4A	Z	0	0	0	%100
57	MP1B	X	10.056	10.056	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	12.173	12.173	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	10.056	10.056	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	10.056	10.056	0	%100
64	MP4B	Z	0	0	0	%100
65	MP1C	X	10.056	10.056	0	%100
66	MP1C	Z	0	0	0	%100
67	MP2C	X	12.173	12.173	0	%100
68	MP2C	Z	0	0	0	%100
69	MP3C	X	10.056	10.056	0	%100
70	MP3C	Z	0	0	0	%100
71	MP4C	X	10.056	10.056	0	%100
72	MP4C	Z	0	0	0	%100
73	M49	X	10.056	10.056	0	%100
74	M49	Z	0	0	0	%100
75	M50	X	10.056	10.056	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	10.056	10.056	0	%100
78	M51	Z	0	0	0	%100
79	M52	X	10.056	10.056	0	%100
80	M52	Z	0	0	0	%100
81	M61	X	10.056	10.056	0	%100
82	M61	Z	0	0	0	%100
83	M63	X	13.019	13.019	0	%100
84	M63	Z	0	0	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
87	M71	X	13.019	13.019	0	%100
88	M71	Z	0	0	0	%100
89	M77	X	10.056	10.056	0	%100
90	M77	Z	0	0	0	%100
91	M79	X	13.019	13.019	0	%100
92	M79	Z	0	0	0	%100
93	M85	X	0	0	0	%100
94	M85	Z	0	0	0	%100
95	M87	X	13.019	13.019	0	%100
96	M87	Z	0	0	0	%100
97	M98	X	9.017	9.017	0	%100
98	M98	Z	0	0	0	%100
99	M101	X	9.017	9.017	0	%100
100	M101	Z	0	0	0	%100
101	M104	X	9.017	9.017	0	%100
102	M104	Z	0	0	0	%100
103	M107	X	9.017	9.017	0	%100
104	M107	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[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.023	1.023	0	%100
2	M1	Z	.591	.591	0	%100
3	M2	X	14.255	14.255	0	%100
4	M2	Z	8.23	8.23	0	%100
5	M3	X	1.023	1.023	0	%100
6	M3	Z	.591	.591	0	%100
7	M4	X	14.255	14.255	0	%100
8	M4	Z	8.23	8.23	0	%100
9	M5	X	3.82	3.82	0	%100
10	M5	Z	2.205	2.205	0	%100
11	M6	X	11.459	11.459	0	%100
12	M6	Z	6.616	6.616	0	%100
13	M7	X	3.82	3.82	0	%100
14	M7	Z	2.205	2.205	0	%100
15	M8	X	11.459	11.459	0	%100
16	M8	Z	6.616	6.616	0	%100
17	M9	X	4.584	4.584	0	%100
18	M9	Z	2.646	2.646	0	%100
19	M10	X	13.751	13.751	0	%100
20	M10	Z	7.939	7.939	0	%100
21	M11	X	4.584	4.584	0	%100
22	M11	Z	2.646	2.646	0	%100
23	M12	X	13.751	13.751	0	%100
24	M12	Z	7.939	7.939	0	%100
25	M13	X	2.731	2.731	0	%100
26	M13	Z	1.577	1.577	0	%100
27	M14	X	2.731	2.731	0	%100
28	M14	Z	1.577	1.577	0	%100
29	M15	X	2.731	2.731	0	%100
30	M15	Z	1.577	1.577	0	%100
31	M16	X	8.193	8.193	0	%100
32	M16	Z	4.73	4.73	0	%100
33	M17	X	8.193	8.193	0	%100
34	M17	Z	4.73	4.73	0	%100
35	M18	X	8.193	8.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
36	M18	Z	4.73	4.73	0	%100
37	M19	X	2.731	2.731	0	%100
38	M19	Z	1.577	1.577	0	%100
39	M20	X	2.731	2.731	0	%100
40	M20	Z	1.577	1.577	0	%100
41	M21	X	2.731	2.731	0	%100
42	M21	Z	1.577	1.577	0	%100
43	M22	X	8.193	8.193	0	%100
44	M22	Z	4.73	4.73	0	%100
45	M23	X	8.193	8.193	0	%100
46	M23	Z	4.73	4.73	0	%100
47	M24	X	8.193	8.193	0	%100
48	M24	Z	4.73	4.73	0	%100
49	MP1A	X	8.709	8.709	0	%100
50	MP1A	Z	5.028	5.028	0	%100
51	MP2A	X	10.542	10.542	0	%100
52	MP2A	Z	6.087	6.087	0	%100
53	MP3A	X	8.709	8.709	0	%100
54	MP3A	Z	5.028	5.028	0	%100
55	MP4A	X	8.709	8.709	0	%100
56	MP4A	Z	5.028	5.028	0	%100
57	MP1B	X	8.709	8.709	0	%100
58	MP1B	Z	5.028	5.028	0	%100
59	MP2B	X	10.542	10.542	0	%100
60	MP2B	Z	6.087	6.087	0	%100
61	MP3B	X	8.709	8.709	0	%100
62	MP3B	Z	5.028	5.028	0	%100
63	MP4B	X	8.709	8.709	0	%100
64	MP4B	Z	5.028	5.028	0	%100
65	MP1C	X	8.709	8.709	0	%100
66	MP1C	Z	5.028	5.028	0	%100
67	MP2C	X	10.542	10.542	0	%100
68	MP2C	Z	6.087	6.087	0	%100
69	MP3C	X	8.709	8.709	0	%100
70	MP3C	Z	5.028	5.028	0	%100
71	MP4C	X	8.709	8.709	0	%100
72	MP4C	Z	5.028	5.028	0	%100
73	M49	X	8.709	8.709	0	%100
74	M49	Z	5.028	5.028	0	%100
75	M50	X	8.709	8.709	0	%100
76	M50	Z	5.028	5.028	0	%100
77	M51	X	8.709	8.709	0	%100
78	M51	Z	5.028	5.028	0	%100
79	M52	X	8.709	8.709	0	%100
80	M52	Z	5.028	5.028	0	%100
81	M61	X	6.532	6.532	0	%100
82	M61	Z	3.771	3.771	0	%100
83	M63	X	14.742	14.742	0	%100
84	M63	Z	8.512	8.512	0	%100
85	M69	X	2.177	2.177	0	%100
86	M69	Z	1.257	1.257	0	%100
87	M71	X	7.807	7.807	0	%100
88	M71	Z	4.507	4.507	0	%100
89	M77	X	6.532	6.532	0	%100
90	M77	Z	3.771	3.771	0	%100
91	M79	X	14.742	14.742	0	%100
92	M79	Z	8.512	8.512	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
93	M85	X	2.177	2.177	0	%100
94	M85	Z	1.257	1.257	0	%100
95	M87	X	7.807	7.807	0	%100
96	M87	Z	4.507	4.507	0	%100
97	M98	X	1.046	1.046	0	%100
98	M98	Z	.604	.604	0	%100
99	M101	X	14.572	14.572	0	%100
100	M101	Z	8.413	8.413	0	%100
101	M104	X	1.046	1.046	0	%100
102	M104	Z	.604	.604	0	%100
103	M107	X	14.572	14.572	0	%100
104	M107	Z	8.413	8.413	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.591	.591	0	%100
2	M1	Z	1.023	1.023	0	%100
3	M2	X	8.23	8.23	0	%100
4	M2	Z	14.255	14.255	0	%100
5	M3	X	.591	.591	0	%100
6	M3	Z	1.023	1.023	0	%100
7	M4	X	8.23	8.23	0	%100
8	M4	Z	14.255	14.255	0	%100
9	M5	X	6.616	6.616	0	%100
10	M5	Z	11.459	11.459	0	%100
11	M6	X	2.205	2.205	0	%100
12	M6	Z	3.82	3.82	0	%100
13	M7	X	6.616	6.616	0	%100
14	M7	Z	11.459	11.459	0	%100
15	M8	X	2.205	2.205	0	%100
16	M8	Z	3.82	3.82	0	%100
17	M9	X	7.939	7.939	0	%100
18	M9	Z	13.751	13.751	0	%100
19	M10	X	2.646	2.646	0	%100
20	M10	Z	4.584	4.584	0	%100
21	M11	X	7.939	7.939	0	%100
22	M11	Z	13.751	13.751	0	%100
23	M12	X	2.646	2.646	0	%100
24	M12	Z	4.584	4.584	0	%100
25	M13	X	4.73	4.73	0	%100
26	M13	Z	8.193	8.193	0	%100
27	M14	X	4.73	4.73	0	%100
28	M14	Z	8.193	8.193	0	%100
29	M15	X	4.73	4.73	0	%100
30	M15	Z	8.193	8.193	0	%100
31	M16	X	1.577	1.577	0	%100
32	M16	Z	2.731	2.731	0	%100
33	M17	X	1.577	1.577	0	%100
34	M17	Z	2.731	2.731	0	%100
35	M18	X	1.577	1.577	0	%100
36	M18	Z	2.731	2.731	0	%100
37	M19	X	4.73	4.73	0	%100
38	M19	Z	8.193	8.193	0	%100
39	M20	X	4.73	4.73	0	%100
40	M20	Z	8.193	8.193	0	%100
41	M21	X	4.73	4.73	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
42	M21	Z	8.193	8.193	0	%100
43	M22	X	1.577	1.577	0	%100
44	M22	Z	2.731	2.731	0	%100
45	M23	X	1.577	1.577	0	%100
46	M23	Z	2.731	2.731	0	%100
47	M24	X	1.577	1.577	0	%100
48	M24	Z	2.731	2.731	0	%100
49	MP1A	X	5.028	5.028	0	%100
50	MP1A	Z	8.709	8.709	0	%100
51	MP2A	X	6.087	6.087	0	%100
52	MP2A	Z	10.542	10.542	0	%100
53	MP3A	X	5.028	5.028	0	%100
54	MP3A	Z	8.709	8.709	0	%100
55	MP4A	X	5.028	5.028	0	%100
56	MP4A	Z	8.709	8.709	0	%100
57	MP1B	X	5.028	5.028	0	%100
58	MP1B	Z	8.709	8.709	0	%100
59	MP2B	X	6.087	6.087	0	%100
60	MP2B	Z	10.542	10.542	0	%100
61	MP3B	X	5.028	5.028	0	%100
62	MP3B	Z	8.709	8.709	0	%100
63	MP4B	X	5.028	5.028	0	%100
64	MP4B	Z	8.709	8.709	0	%100
65	MP1C	X	5.028	5.028	0	%100
66	MP1C	Z	8.709	8.709	0	%100
67	MP2C	X	6.087	6.087	0	%100
68	MP2C	Z	10.542	10.542	0	%100
69	MP3C	X	5.028	5.028	0	%100
70	MP3C	Z	8.709	8.709	0	%100
71	MP4C	X	5.028	5.028	0	%100
72	MP4C	Z	8.709	8.709	0	%100
73	M49	X	5.028	5.028	0	%100
74	M49	Z	8.709	8.709	0	%100
75	M50	X	5.028	5.028	0	%100
76	M50	Z	8.709	8.709	0	%100
77	M51	X	5.028	5.028	0	%100
78	M51	Z	8.709	8.709	0	%100
79	M52	X	5.028	5.028	0	%100
80	M52	Z	8.709	8.709	0	%100
81	M61	X	1.257	1.257	0	%100
82	M61	Z	2.177	2.177	0	%100
83	M63	X	8.512	8.512	0	%100
84	M63	Z	14.742	14.742	0	%100
85	M69	X	3.771	3.771	0	%100
86	M69	Z	6.532	6.532	0	%100
87	M71	X	4.507	4.507	0	%100
88	M71	Z	7.807	7.807	0	%100
89	M77	X	1.257	1.257	0	%100
90	M77	Z	2.177	2.177	0	%100
91	M79	X	8.512	8.512	0	%100
92	M79	Z	14.742	14.742	0	%100
93	M85	X	3.771	3.771	0	%100
94	M85	Z	6.532	6.532	0	%100
95	M87	X	4.507	4.507	0	%100
96	M87	Z	7.807	7.807	0	%100
97	M98	X	.604	.604	0	%100
98	M98	Z	1.046	1.046	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
99	M101	X	8.413	8.413	0	%100
100	M101	Z	14.572	14.572	0	%100
101	M104	X	.604	.604	0	%100
102	M104	Z	1.046	1.046	0	%100
103	M107	X	8.413	8.413	0	%100
104	M107	Z	14.572	14.572	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	8.821	8.821	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	8.821	8.821	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	8.821	8.821	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	8.821	8.821	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	17.643	17.643	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	17.643	17.643	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	21.171	21.171	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	21.171	21.171	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	12.614	12.614	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	12.614	12.614	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	12.614	12.614	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	12.614	12.614	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	12.614	12.614	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	12.614	12.614	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
48	M24	Z	0	0	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	10.056	10.056	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	12.173	12.173	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	10.056	10.056	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	10.056	10.056	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	10.056	10.056	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	12.173	12.173	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	10.056	10.056	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	10.056	10.056	0	%100
65	MP1C	X	0	0	0	%100
66	MP1C	Z	10.056	10.056	0	%100
67	MP2C	X	0	0	0	%100
68	MP2C	Z	12.173	12.173	0	%100
69	MP3C	X	0	0	0	%100
70	MP3C	Z	10.056	10.056	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	10.056	10.056	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	10.056	10.056	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	10.056	10.056	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	10.056	10.056	0	%100
79	M52	X	0	0	0	%100
80	M52	Z	10.056	10.056	0	%100
81	M61	X	0	0	0	%100
82	M61	Z	0	0	0	%100
83	M63	X	0	0	0	%100
84	M63	Z	13.019	13.019	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	10.056	10.056	0	%100
87	M71	X	0	0	0	%100
88	M71	Z	13.019	13.019	0	%100
89	M77	X	0	0	0	%100
90	M77	Z	0	0	0	%100
91	M79	X	0	0	0	%100
92	M79	Z	13.019	13.019	0	%100
93	M85	X	0	0	0	%100
94	M85	Z	10.056	10.056	0	%100
95	M87	X	0	0	0	%100
96	M87	Z	13.019	13.019	0	%100
97	M98	X	0	0	0	%100
98	M98	Z	9.017	9.017	0	%100
99	M101	X	0	0	0	%100
100	M101	Z	9.017	9.017	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	9.017	9.017	0	%100
103	M107	X	0	0	0	%100
104	M107	Z	9.017	9.017	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-8.23	-8.23	0	%100
2	M1	Z	14.255	14.255	0	%100
3	M2	X	-.591	-.591	0	%100
4	M2	Z	1.023	1.023	0	%100
5	M3	X	-8.23	-8.23	0	%100
6	M3	Z	14.255	14.255	0	%100
7	M4	X	-.591	-.591	0	%100
8	M4	Z	1.023	1.023	0	%100
9	M5	X	-6.616	-6.616	0	%100
10	M5	Z	11.459	11.459	0	%100
11	M6	X	-2.205	-2.205	0	%100
12	M6	Z	3.82	3.82	0	%100
13	M7	X	-6.616	-6.616	0	%100
14	M7	Z	11.459	11.459	0	%100
15	M8	X	-2.205	-2.205	0	%100
16	M8	Z	3.82	3.82	0	%100
17	M9	X	-7.939	-7.939	0	%100
18	M9	Z	13.751	13.751	0	%100
19	M10	X	-2.646	-2.646	0	%100
20	M10	Z	4.584	4.584	0	%100
21	M11	X	-7.939	-7.939	0	%100
22	M11	Z	13.751	13.751	0	%100
23	M12	X	-2.646	-2.646	0	%100
24	M12	Z	4.584	4.584	0	%100
25	M13	X	-4.73	-4.73	0	%100
26	M13	Z	8.193	8.193	0	%100
27	M14	X	-4.73	-4.73	0	%100
28	M14	Z	8.193	8.193	0	%100
29	M15	X	-4.73	-4.73	0	%100
30	M15	Z	8.193	8.193	0	%100
31	M16	X	-1.577	-1.577	0	%100
32	M16	Z	2.731	2.731	0	%100
33	M17	X	-1.577	-1.577	0	%100
34	M17	Z	2.731	2.731	0	%100
35	M18	X	-1.577	-1.577	0	%100
36	M18	Z	2.731	2.731	0	%100
37	M19	X	-4.73	-4.73	0	%100
38	M19	Z	8.193	8.193	0	%100
39	M20	X	-4.73	-4.73	0	%100
40	M20	Z	8.193	8.193	0	%100
41	M21	X	-4.73	-4.73	0	%100
42	M21	Z	8.193	8.193	0	%100
43	M22	X	-1.577	-1.577	0	%100
44	M22	Z	2.731	2.731	0	%100
45	M23	X	-1.577	-1.577	0	%100
46	M23	Z	2.731	2.731	0	%100
47	M24	X	-1.577	-1.577	0	%100
48	M24	Z	2.731	2.731	0	%100
49	MP1A	X	-5.028	-5.028	0	%100
50	MP1A	Z	8.709	8.709	0	%100
51	MP2A	X	-6.087	-6.087	0	%100
52	MP2A	Z	10.542	10.542	0	%100
53	MP3A	X	-5.028	-5.028	0	%100
54	MP3A	Z	8.709	8.709	0	%100
55	MP4A	X	-5.028	-5.028	0	%100
56	MP4A	Z	8.709	8.709	0	%100
57	MP1B	X	-5.028	-5.028	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
58	MP1B	Z	8.709	8.709	0	%100
59	MP2B	X	-6.087	-6.087	0	%100
60	MP2B	Z	10.542	10.542	0	%100
61	MP3B	X	-5.028	-5.028	0	%100
62	MP3B	Z	8.709	8.709	0	%100
63	MP4B	X	-5.028	-5.028	0	%100
64	MP4B	Z	8.709	8.709	0	%100
65	MP1C	X	-5.028	-5.028	0	%100
66	MP1C	Z	8.709	8.709	0	%100
67	MP2C	X	-6.087	-6.087	0	%100
68	MP2C	Z	10.542	10.542	0	%100
69	MP3C	X	-5.028	-5.028	0	%100
70	MP3C	Z	8.709	8.709	0	%100
71	MP4C	X	-5.028	-5.028	0	%100
72	MP4C	Z	8.709	8.709	0	%100
73	M49	X	-5.028	-5.028	0	%100
74	M49	Z	8.709	8.709	0	%100
75	M50	X	-5.028	-5.028	0	%100
76	M50	Z	8.709	8.709	0	%100
77	M51	X	-5.028	-5.028	0	%100
78	M51	Z	8.709	8.709	0	%100
79	M52	X	-5.028	-5.028	0	%100
80	M52	Z	8.709	8.709	0	%100
81	M61	X	-1.257	-1.257	0	%100
82	M61	Z	2.177	2.177	0	%100
83	M63	X	-4.507	-4.507	0	%100
84	M63	Z	7.807	7.807	0	%100
85	M69	X	-3.771	-3.771	0	%100
86	M69	Z	6.532	6.532	0	%100
87	M71	X	-8.512	-8.512	0	%100
88	M71	Z	14.742	14.742	0	%100
89	M77	X	-1.257	-1.257	0	%100
90	M77	Z	2.177	2.177	0	%100
91	M79	X	-4.507	-4.507	0	%100
92	M79	Z	7.807	7.807	0	%100
93	M85	X	-3.771	-3.771	0	%100
94	M85	Z	6.532	6.532	0	%100
95	M87	X	-8.512	-8.512	0	%100
96	M87	Z	14.742	14.742	0	%100
97	M98	X	-8.413	-8.413	0	%100
98	M98	Z	14.572	14.572	0	%100
99	M101	X	-.604	-.604	0	%100
100	M101	Z	1.046	1.046	0	%100
101	M104	X	-8.413	-8.413	0	%100
102	M104	Z	14.572	14.572	0	%100
103	M107	X	-.604	-.604	0	%100
104	M107	Z	1.046	1.046	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-14.255	-14.255	0	%100
2	M1	Z	8.23	8.23	0	%100
3	M2	X	-1.023	-1.023	0	%100
4	M2	Z	.591	.591	0	%100
5	M3	X	-14.255	-14.255	0	%100
6	M3	Z	8.23	8.23	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
7	M4	X	-1.023	-1.023	0	%100
8	M4	Z	.591	.591	0	%100
9	M5	X	-3.82	-3.82	0	%100
10	M5	Z	2.205	2.205	0	%100
11	M6	X	-11.459	-11.459	0	%100
12	M6	Z	6.616	6.616	0	%100
13	M7	X	-3.82	-3.82	0	%100
14	M7	Z	2.205	2.205	0	%100
15	M8	X	-11.459	-11.459	0	%100
16	M8	Z	6.616	6.616	0	%100
17	M9	X	-4.584	-4.584	0	%100
18	M9	Z	2.646	2.646	0	%100
19	M10	X	-13.751	-13.751	0	%100
20	M10	Z	7.939	7.939	0	%100
21	M11	X	-4.584	-4.584	0	%100
22	M11	Z	2.646	2.646	0	%100
23	M12	X	-13.751	-13.751	0	%100
24	M12	Z	7.939	7.939	0	%100
25	M13	X	-2.731	-2.731	0	%100
26	M13	Z	1.577	1.577	0	%100
27	M14	X	-2.731	-2.731	0	%100
28	M14	Z	1.577	1.577	0	%100
29	M15	X	-2.731	-2.731	0	%100
30	M15	Z	1.577	1.577	0	%100
31	M16	X	-8.193	-8.193	0	%100
32	M16	Z	4.73	4.73	0	%100
33	M17	X	-8.193	-8.193	0	%100
34	M17	Z	4.73	4.73	0	%100
35	M18	X	-8.193	-8.193	0	%100
36	M18	Z	4.73	4.73	0	%100
37	M19	X	-2.731	-2.731	0	%100
38	M19	Z	1.577	1.577	0	%100
39	M20	X	-2.731	-2.731	0	%100
40	M20	Z	1.577	1.577	0	%100
41	M21	X	-2.731	-2.731	0	%100
42	M21	Z	1.577	1.577	0	%100
43	M22	X	-8.193	-8.193	0	%100
44	M22	Z	4.73	4.73	0	%100
45	M23	X	-8.193	-8.193	0	%100
46	M23	Z	4.73	4.73	0	%100
47	M24	X	-8.193	-8.193	0	%100
48	M24	Z	4.73	4.73	0	%100
49	MP1A	X	-8.709	-8.709	0	%100
50	MP1A	Z	5.028	5.028	0	%100
51	MP2A	X	-10.542	-10.542	0	%100
52	MP2A	Z	6.087	6.087	0	%100
53	MP3A	X	-8.709	-8.709	0	%100
54	MP3A	Z	5.028	5.028	0	%100
55	MP4A	X	-8.709	-8.709	0	%100
56	MP4A	Z	5.028	5.028	0	%100
57	MP1B	X	-8.709	-8.709	0	%100
58	MP1B	Z	5.028	5.028	0	%100
59	MP2B	X	-10.542	-10.542	0	%100
60	MP2B	Z	6.087	6.087	0	%100
61	MP3B	X	-8.709	-8.709	0	%100
62	MP3B	Z	5.028	5.028	0	%100
63	MP4B	X	-8.709	-8.709	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
64	MP4B	Z	5.028	5.028	0	%100
65	MP1C	X	-8.709	-8.709	0	%100
66	MP1C	Z	5.028	5.028	0	%100
67	MP2C	X	-10.542	-10.542	0	%100
68	MP2C	Z	6.087	6.087	0	%100
69	MP3C	X	-8.709	-8.709	0	%100
70	MP3C	Z	5.028	5.028	0	%100
71	MP4C	X	-8.709	-8.709	0	%100
72	MP4C	Z	5.028	5.028	0	%100
73	M49	X	-8.709	-8.709	0	%100
74	M49	Z	5.028	5.028	0	%100
75	M50	X	-8.709	-8.709	0	%100
76	M50	Z	5.028	5.028	0	%100
77	M51	X	-8.709	-8.709	0	%100
78	M51	Z	5.028	5.028	0	%100
79	M52	X	-8.709	-8.709	0	%100
80	M52	Z	5.028	5.028	0	%100
81	M61	X	-6.532	-6.532	0	%100
82	M61	Z	3.771	3.771	0	%100
83	M63	X	-7.807	-7.807	0	%100
84	M63	Z	4.507	4.507	0	%100
85	M69	X	-2.177	-2.177	0	%100
86	M69	Z	1.257	1.257	0	%100
87	M71	X	-14.742	-14.742	0	%100
88	M71	Z	8.512	8.512	0	%100
89	M77	X	-6.532	-6.532	0	%100
90	M77	Z	3.771	3.771	0	%100
91	M79	X	-7.807	-7.807	0	%100
92	M79	Z	4.507	4.507	0	%100
93	M85	X	-2.177	-2.177	0	%100
94	M85	Z	1.257	1.257	0	%100
95	M87	X	-14.742	-14.742	0	%100
96	M87	Z	8.512	8.512	0	%100
97	M98	X	-14.572	-14.572	0	%100
98	M98	Z	8.413	8.413	0	%100
99	M101	X	-1.046	-1.046	0	%100
100	M101	Z	.604	.604	0	%100
101	M104	X	-14.572	-14.572	0	%100
102	M104	Z	8.413	8.413	0	%100
103	M107	X	-1.046	-1.046	0	%100
104	M107	Z	.604	.604	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-8.821	-8.821	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-8.821	-8.821	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-8.821	-8.821	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-8.821	-8.821	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-17.643	-17.643	0	%100
12	M6	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-17.643	-17.643	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-21.171	-21.171	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-21.171	-21.171	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	-12.614	-12.614	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-12.614	-12.614	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-12.614	-12.614	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-12.614	-12.614	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-12.614	-12.614	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-12.614	-12.614	0	%100
48	M24	Z	0	0	0	%100
49	MP1A	X	-10.056	-10.056	0	%100
50	MP1A	Z	0	0	0	%100
51	MP2A	X	-12.173	-12.173	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-10.056	-10.056	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	-10.056	-10.056	0	%100
56	MP4A	Z	0	0	0	%100
57	MP1B	X	-10.056	-10.056	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	-12.173	-12.173	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	-10.056	-10.056	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	-10.056	-10.056	0	%100
64	MP4B	Z	0	0	0	%100
65	MP1C	X	-10.056	-10.056	0	%100
66	MP1C	Z	0	0	0	%100
67	MP2C	X	-12.173	-12.173	0	%100
68	MP2C	Z	0	0	0	%100
69	MP3C	X	-10.056	-10.056	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
70	MP3C	Z	0	0	0	%100
71	MP4C	X	-10.056	-10.056	0	%100
72	MP4C	Z	0	0	0	%100
73	M49	X	-10.056	-10.056	0	%100
74	M49	Z	0	0	0	%100
75	M50	X	-10.056	-10.056	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	-10.056	-10.056	0	%100
78	M51	Z	0	0	0	%100
79	M52	X	-10.056	-10.056	0	%100
80	M52	Z	0	0	0	%100
81	M61	X	-10.056	-10.056	0	%100
82	M61	Z	0	0	0	%100
83	M63	X	-13.019	-13.019	0	%100
84	M63	Z	0	0	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	0	0	0	%100
87	M71	X	-13.019	-13.019	0	%100
88	M71	Z	0	0	0	%100
89	M77	X	-10.056	-10.056	0	%100
90	M77	Z	0	0	0	%100
91	M79	X	-13.019	-13.019	0	%100
92	M79	Z	0	0	0	%100
93	M85	X	0	0	0	%100
94	M85	Z	0	0	0	%100
95	M87	X	-13.019	-13.019	0	%100
96	M87	Z	0	0	0	%100
97	M98	X	-9.017	-9.017	0	%100
98	M98	Z	0	0	0	%100
99	M101	X	-9.017	-9.017	0	%100
100	M101	Z	0	0	0	%100
101	M104	X	-9.017	-9.017	0	%100
102	M104	Z	0	0	0	%100
103	M107	X	-9.017	-9.017	0	%100
104	M107	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[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.023	-1.023	0	%100
2	M1	Z	-.591	-.591	0	%100
3	M2	X	-14.255	-14.255	0	%100
4	M2	Z	-8.23	-8.23	0	%100
5	M3	X	-1.023	-1.023	0	%100
6	M3	Z	-.591	-.591	0	%100
7	M4	X	-14.255	-14.255	0	%100
8	M4	Z	-8.23	-8.23	0	%100
9	M5	X	-3.82	-3.82	0	%100
10	M5	Z	-2.205	-2.205	0	%100
11	M6	X	-11.459	-11.459	0	%100
12	M6	Z	-6.616	-6.616	0	%100
13	M7	X	-3.82	-3.82	0	%100
14	M7	Z	-2.205	-2.205	0	%100
15	M8	X	-11.459	-11.459	0	%100
16	M8	Z	-6.616	-6.616	0	%100
17	M9	X	-4.584	-4.584	0	%100
18	M9	Z	-2.646	-2.646	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
19	M10	X	-13.751	-13.751	0	%100
20	M10	Z	-7.939	-7.939	0	%100
21	M11	X	-4.584	-4.584	0	%100
22	M11	Z	-2.646	-2.646	0	%100
23	M12	X	-13.751	-13.751	0	%100
24	M12	Z	-7.939	-7.939	0	%100
25	M13	X	-2.731	-2.731	0	%100
26	M13	Z	-1.577	-1.577	0	%100
27	M14	X	-2.731	-2.731	0	%100
28	M14	Z	-1.577	-1.577	0	%100
29	M15	X	-2.731	-2.731	0	%100
30	M15	Z	-1.577	-1.577	0	%100
31	M16	X	-8.193	-8.193	0	%100
32	M16	Z	-4.73	-4.73	0	%100
33	M17	X	-8.193	-8.193	0	%100
34	M17	Z	-4.73	-4.73	0	%100
35	M18	X	-8.193	-8.193	0	%100
36	M18	Z	-4.73	-4.73	0	%100
37	M19	X	-2.731	-2.731	0	%100
38	M19	Z	-1.577	-1.577	0	%100
39	M20	X	-2.731	-2.731	0	%100
40	M20	Z	-1.577	-1.577	0	%100
41	M21	X	-2.731	-2.731	0	%100
42	M21	Z	-1.577	-1.577	0	%100
43	M22	X	-8.193	-8.193	0	%100
44	M22	Z	-4.73	-4.73	0	%100
45	M23	X	-8.193	-8.193	0	%100
46	M23	Z	-4.73	-4.73	0	%100
47	M24	X	-8.193	-8.193	0	%100
48	M24	Z	-4.73	-4.73	0	%100
49	MP1A	X	-8.709	-8.709	0	%100
50	MP1A	Z	-5.028	-5.028	0	%100
51	MP2A	X	-10.542	-10.542	0	%100
52	MP2A	Z	-6.087	-6.087	0	%100
53	MP3A	X	-8.709	-8.709	0	%100
54	MP3A	Z	-5.028	-5.028	0	%100
55	MP4A	X	-8.709	-8.709	0	%100
56	MP4A	Z	-5.028	-5.028	0	%100
57	MP1B	X	-8.709	-8.709	0	%100
58	MP1B	Z	-5.028	-5.028	0	%100
59	MP2B	X	-10.542	-10.542	0	%100
60	MP2B	Z	-6.087	-6.087	0	%100
61	MP3B	X	-8.709	-8.709	0	%100
62	MP3B	Z	-5.028	-5.028	0	%100
63	MP4B	X	-8.709	-8.709	0	%100
64	MP4B	Z	-5.028	-5.028	0	%100
65	MP1C	X	-8.709	-8.709	0	%100
66	MP1C	Z	-5.028	-5.028	0	%100
67	MP2C	X	-10.542	-10.542	0	%100
68	MP2C	Z	-6.087	-6.087	0	%100
69	MP3C	X	-8.709	-8.709	0	%100
70	MP3C	Z	-5.028	-5.028	0	%100
71	MP4C	X	-8.709	-8.709	0	%100
72	MP4C	Z	-5.028	-5.028	0	%100
73	M49	X	-8.709	-8.709	0	%100
74	M49	Z	-5.028	-5.028	0	%100
75	M50	X	-8.709	-8.709	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
76	M50	Z	-5.028	-5.028	0	%100
77	M51	X	-8.709	-8.709	0	%100
78	M51	Z	-5.028	-5.028	0	%100
79	M52	X	-8.709	-8.709	0	%100
80	M52	Z	-5.028	-5.028	0	%100
81	M61	X	-6.532	-6.532	0	%100
82	M61	Z	-3.771	-3.771	0	%100
83	M63	X	-14.742	-14.742	0	%100
84	M63	Z	-8.512	-8.512	0	%100
85	M69	X	-2.177	-2.177	0	%100
86	M69	Z	-1.257	-1.257	0	%100
87	M71	X	-7.807	-7.807	0	%100
88	M71	Z	-4.507	-4.507	0	%100
89	M77	X	-6.532	-6.532	0	%100
90	M77	Z	-3.771	-3.771	0	%100
91	M79	X	-14.742	-14.742	0	%100
92	M79	Z	-8.512	-8.512	0	%100
93	M85	X	-2.177	-2.177	0	%100
94	M85	Z	-1.257	-1.257	0	%100
95	M87	X	-7.807	-7.807	0	%100
96	M87	Z	-4.507	-4.507	0	%100
97	M98	X	-1.046	-1.046	0	%100
98	M98	Z	-.604	-.604	0	%100
99	M101	X	-14.572	-14.572	0	%100
100	M101	Z	-8.413	-8.413	0	%100
101	M104	X	-1.046	-1.046	0	%100
102	M104	Z	-.604	-.604	0	%100
103	M107	X	-14.572	-14.572	0	%100
104	M107	Z	-8.413	-8.413	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.591	-.591	0	%100
2	M1	Z	-1.023	-1.023	0	%100
3	M2	X	-8.23	-8.23	0	%100
4	M2	Z	-14.255	-14.255	0	%100
5	M3	X	-.591	-.591	0	%100
6	M3	Z	-1.023	-1.023	0	%100
7	M4	X	-8.23	-8.23	0	%100
8	M4	Z	-14.255	-14.255	0	%100
9	M5	X	-6.616	-6.616	0	%100
10	M5	Z	-11.459	-11.459	0	%100
11	M6	X	-2.205	-2.205	0	%100
12	M6	Z	-3.82	-3.82	0	%100
13	M7	X	-6.616	-6.616	0	%100
14	M7	Z	-11.459	-11.459	0	%100
15	M8	X	-2.205	-2.205	0	%100
16	M8	Z	-3.82	-3.82	0	%100
17	M9	X	-7.939	-7.939	0	%100
18	M9	Z	-13.751	-13.751	0	%100
19	M10	X	-2.646	-2.646	0	%100
20	M10	Z	-4.584	-4.584	0	%100
21	M11	X	-7.939	-7.939	0	%100
22	M11	Z	-13.751	-13.751	0	%100
23	M12	X	-2.646	-2.646	0	%100
24	M12	Z	-4.584	-4.584	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
25	M13	X	-4.73	-4.73	0	%100
26	M13	Z	-8.193	-8.193	0	%100
27	M14	X	-4.73	-4.73	0	%100
28	M14	Z	-8.193	-8.193	0	%100
29	M15	X	-4.73	-4.73	0	%100
30	M15	Z	-8.193	-8.193	0	%100
31	M16	X	-1.577	-1.577	0	%100
32	M16	Z	-2.731	-2.731	0	%100
33	M17	X	-1.577	-1.577	0	%100
34	M17	Z	-2.731	-2.731	0	%100
35	M18	X	-1.577	-1.577	0	%100
36	M18	Z	-2.731	-2.731	0	%100
37	M19	X	-4.73	-4.73	0	%100
38	M19	Z	-8.193	-8.193	0	%100
39	M20	X	-4.73	-4.73	0	%100
40	M20	Z	-8.193	-8.193	0	%100
41	M21	X	-4.73	-4.73	0	%100
42	M21	Z	-8.193	-8.193	0	%100
43	M22	X	-1.577	-1.577	0	%100
44	M22	Z	-2.731	-2.731	0	%100
45	M23	X	-1.577	-1.577	0	%100
46	M23	Z	-2.731	-2.731	0	%100
47	M24	X	-1.577	-1.577	0	%100
48	M24	Z	-2.731	-2.731	0	%100
49	MP1A	X	-5.028	-5.028	0	%100
50	MP1A	Z	-8.709	-8.709	0	%100
51	MP2A	X	-6.087	-6.087	0	%100
52	MP2A	Z	-10.542	-10.542	0	%100
53	MP3A	X	-5.028	-5.028	0	%100
54	MP3A	Z	-8.709	-8.709	0	%100
55	MP4A	X	-5.028	-5.028	0	%100
56	MP4A	Z	-8.709	-8.709	0	%100
57	MP1B	X	-5.028	-5.028	0	%100
58	MP1B	Z	-8.709	-8.709	0	%100
59	MP2B	X	-6.087	-6.087	0	%100
60	MP2B	Z	-10.542	-10.542	0	%100
61	MP3B	X	-5.028	-5.028	0	%100
62	MP3B	Z	-8.709	-8.709	0	%100
63	MP4B	X	-5.028	-5.028	0	%100
64	MP4B	Z	-8.709	-8.709	0	%100
65	MP1C	X	-5.028	-5.028	0	%100
66	MP1C	Z	-8.709	-8.709	0	%100
67	MP2C	X	-6.087	-6.087	0	%100
68	MP2C	Z	-10.542	-10.542	0	%100
69	MP3C	X	-5.028	-5.028	0	%100
70	MP3C	Z	-8.709	-8.709	0	%100
71	MP4C	X	-5.028	-5.028	0	%100
72	MP4C	Z	-8.709	-8.709	0	%100
73	M49	X	-5.028	-5.028	0	%100
74	M49	Z	-8.709	-8.709	0	%100
75	M50	X	-5.028	-5.028	0	%100
76	M50	Z	-8.709	-8.709	0	%100
77	M51	X	-5.028	-5.028	0	%100
78	M51	Z	-8.709	-8.709	0	%100
79	M52	X	-5.028	-5.028	0	%100
80	M52	Z	-8.709	-8.709	0	%100
81	M61	X	-1.257	-1.257	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
82	M61	Z	-2.177	-2.177	0	%100
83	M63	X	-8.512	-8.512	0	%100
84	M63	Z	-14.742	-14.742	0	%100
85	M69	X	-3.771	-3.771	0	%100
86	M69	Z	-6.532	-6.532	0	%100
87	M71	X	-4.507	-4.507	0	%100
88	M71	Z	-7.807	-7.807	0	%100
89	M77	X	-1.257	-1.257	0	%100
90	M77	Z	-2.177	-2.177	0	%100
91	M79	X	-8.512	-8.512	0	%100
92	M79	Z	-14.742	-14.742	0	%100
93	M85	X	-3.771	-3.771	0	%100
94	M85	Z	-6.532	-6.532	0	%100
95	M87	X	-4.507	-4.507	0	%100
96	M87	Z	-7.807	-7.807	0	%100
97	M98	X	-.604	-.604	0	%100
98	M98	Z	-1.046	-1.046	0	%100
99	M101	X	-8.413	-8.413	0	%100
100	M101	Z	-14.572	-14.572	0	%100
101	M104	X	-.604	-.604	0	%100
102	M104	Z	-1.046	-1.046	0	%100
103	M107	X	-8.413	-8.413	0	%100
104	M107	Z	-14.572	-14.572	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-2.879	-2.879	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.879	-2.879	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-2.879	-2.879	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-2.879	-2.879	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-5.759	-5.759	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-5.759	-5.759	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-6.384	-6.384	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-6.384	-6.384	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-4.167	-4.167	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-4.167	-4.167	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-4.167	-4.167	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
31	M16	X	0	0	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-4.167	-4.167	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-4.167	-4.167	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-4.167	-4.167	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	0	0	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-4.414	-4.414	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-4.789	-4.789	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-4.414	-4.414	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-4.414	-4.414	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	-4.414	-4.414	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	-4.789	-4.789	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-4.414	-4.414	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-4.414	-4.414	0	%100
65	MP1C	X	0	0	0	%100
66	MP1C	Z	-4.414	-4.414	0	%100
67	MP2C	X	0	0	0	%100
68	MP2C	Z	-4.789	-4.789	0	%100
69	MP3C	X	0	0	0	%100
70	MP3C	Z	-4.414	-4.414	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	-4.414	-4.414	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	-4.414	-4.414	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	-4.414	-4.414	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	-4.414	-4.414	0	%100
79	M52	X	0	0	0	%100
80	M52	Z	-4.414	-4.414	0	%100
81	M61	X	0	0	0	%100
82	M61	Z	0	0	0	%100
83	M63	X	0	0	0	%100
84	M63	Z	-3.929	-3.929	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	-4.414	-4.414	0	%100
87	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
88	M71	Z	-3.929	-3.929	0	%100
89	M77	X	0	0	0	%100
90	M77	Z	0	0	0	%100
91	M79	X	0	0	0	%100
92	M79	Z	-3.929	-3.929	0	%100
93	M85	X	0	0	0	%100
94	M85	Z	-4.414	-4.414	0	%100
95	M87	X	0	0	0	%100
96	M87	Z	-3.929	-3.929	0	%100
97	M98	X	0	0	0	%100
98	M98	Z	-2.423	-2.423	0	%100
99	M101	X	0	0	0	%100
100	M101	Z	-2.423	-2.423	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	-2.423	-2.423	0	%100
103	M107	X	0	0	0	%100
104	M107	Z	-2.423	-2.423	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.686	2.686	0	%100
2	M1	Z	-4.653	-4.653	0	%100
3	M2	X	.193	.193	0	%100
4	M2	Z	-.334	-.334	0	%100
5	M3	X	2.686	2.686	0	%100
6	M3	Z	-4.653	-4.653	0	%100
7	M4	X	.193	.193	0	%100
8	M4	Z	-.334	-.334	0	%100
9	M5	X	2.159	2.159	0	%100
10	M5	Z	-3.74	-3.74	0	%100
11	M6	X	.72	.72	0	%100
12	M6	Z	-1.247	-1.247	0	%100
13	M7	X	2.159	2.159	0	%100
14	M7	Z	-3.74	-3.74	0	%100
15	M8	X	.72	.72	0	%100
16	M8	Z	-1.247	-1.247	0	%100
17	M9	X	2.394	2.394	0	%100
18	M9	Z	-4.147	-4.147	0	%100
19	M10	X	.798	.798	0	%100
20	M10	Z	-1.382	-1.382	0	%100
21	M11	X	2.394	2.394	0	%100
22	M11	Z	-4.147	-4.147	0	%100
23	M12	X	.798	.798	0	%100
24	M12	Z	-1.382	-1.382	0	%100
25	M13	X	1.563	1.563	0	%100
26	M13	Z	-2.706	-2.706	0	%100
27	M14	X	1.563	1.563	0	%100
28	M14	Z	-2.706	-2.706	0	%100
29	M15	X	1.563	1.563	0	%100
30	M15	Z	-2.706	-2.706	0	%100
31	M16	X	.521	.521	0	%100
32	M16	Z	-.902	-.902	0	%100
33	M17	X	.521	.521	0	%100
34	M17	Z	-.902	-.902	0	%100
35	M18	X	.521	.521	0	%100
36	M18	Z	-.902	-.902	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
37	M19	X	1.563	1.563	0	%100
38	M19	Z	-2.706	-2.706	0	%100
39	M20	X	1.563	1.563	0	%100
40	M20	Z	-2.706	-2.706	0	%100
41	M21	X	1.563	1.563	0	%100
42	M21	Z	-2.706	-2.706	0	%100
43	M22	X	.521	.521	0	%100
44	M22	Z	-.902	-.902	0	%100
45	M23	X	.521	.521	0	%100
46	M23	Z	-.902	-.902	0	%100
47	M24	X	.521	.521	0	%100
48	M24	Z	-.902	-.902	0	%100
49	MP1A	X	2.207	2.207	0	%100
50	MP1A	Z	-3.823	-3.823	0	%100
51	MP2A	X	2.395	2.395	0	%100
52	MP2A	Z	-4.148	-4.148	0	%100
53	MP3A	X	2.207	2.207	0	%100
54	MP3A	Z	-3.823	-3.823	0	%100
55	MP4A	X	2.207	2.207	0	%100
56	MP4A	Z	-3.823	-3.823	0	%100
57	MP1B	X	2.207	2.207	0	%100
58	MP1B	Z	-3.823	-3.823	0	%100
59	MP2B	X	2.395	2.395	0	%100
60	MP2B	Z	-4.148	-4.148	0	%100
61	MP3B	X	2.207	2.207	0	%100
62	MP3B	Z	-3.823	-3.823	0	%100
63	MP4B	X	2.207	2.207	0	%100
64	MP4B	Z	-3.823	-3.823	0	%100
65	MP1C	X	2.207	2.207	0	%100
66	MP1C	Z	-3.823	-3.823	0	%100
67	MP2C	X	2.395	2.395	0	%100
68	MP2C	Z	-4.148	-4.148	0	%100
69	MP3C	X	2.207	2.207	0	%100
70	MP3C	Z	-3.823	-3.823	0	%100
71	MP4C	X	2.207	2.207	0	%100
72	MP4C	Z	-3.823	-3.823	0	%100
73	M49	X	2.207	2.207	0	%100
74	M49	Z	-3.823	-3.823	0	%100
75	M50	X	2.207	2.207	0	%100
76	M50	Z	-3.823	-3.823	0	%100
77	M51	X	2.207	2.207	0	%100
78	M51	Z	-3.823	-3.823	0	%100
79	M52	X	2.207	2.207	0	%100
80	M52	Z	-3.823	-3.823	0	%100
81	M61	X	.552	.552	0	%100
82	M61	Z	-.956	-.956	0	%100
83	M63	X	1.2	1.2	0	%100
84	M63	Z	-2.079	-2.079	0	%100
85	M69	X	1.655	1.655	0	%100
86	M69	Z	-2.867	-2.867	0	%100
87	M71	X	2.729	2.729	0	%100
88	M71	Z	-4.727	-4.727	0	%100
89	M77	X	.552	.552	0	%100
90	M77	Z	-.956	-.956	0	%100
91	M79	X	1.2	1.2	0	%100
92	M79	Z	-2.079	-2.079	0	%100
93	M85	X	1.655	1.655	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
94	M85	Z	-2.867	-2.867	0	%100
95	M87	X	2.729	2.729	0	%100
96	M87	Z	-4.727	-4.727	0	%100
97	M98	X	2.261	2.261	0	%100
98	M98	Z	-3.916	-3.916	0	%100
99	M101	X	.162	.162	0	%100
100	M101	Z	-.281	-.281	0	%100
101	M104	X	2.261	2.261	0	%100
102	M104	Z	-3.916	-3.916	0	%100
103	M107	X	.162	.162	0	%100
104	M107	Z	-.281	-.281	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.653	4.653	0	%100
2	M1	Z	-2.686	-2.686	0	%100
3	M2	X	.334	.334	0	%100
4	M2	Z	-.193	-.193	0	%100
5	M3	X	4.653	4.653	0	%100
6	M3	Z	-2.686	-2.686	0	%100
7	M4	X	.334	.334	0	%100
8	M4	Z	-.193	-.193	0	%100
9	M5	X	1.247	1.247	0	%100
10	M5	Z	-.72	-.72	0	%100
11	M6	X	3.74	3.74	0	%100
12	M6	Z	-2.159	-2.159	0	%100
13	M7	X	1.247	1.247	0	%100
14	M7	Z	-.72	-.72	0	%100
15	M8	X	3.74	3.74	0	%100
16	M8	Z	-2.159	-2.159	0	%100
17	M9	X	1.382	1.382	0	%100
18	M9	Z	-.798	-.798	0	%100
19	M10	X	4.147	4.147	0	%100
20	M10	Z	-2.394	-2.394	0	%100
21	M11	X	1.382	1.382	0	%100
22	M11	Z	-.798	-.798	0	%100
23	M12	X	4.147	4.147	0	%100
24	M12	Z	-2.394	-2.394	0	%100
25	M13	X	.902	.902	0	%100
26	M13	Z	-.521	-.521	0	%100
27	M14	X	.902	.902	0	%100
28	M14	Z	-.521	-.521	0	%100
29	M15	X	.902	.902	0	%100
30	M15	Z	-.521	-.521	0	%100
31	M16	X	2.706	2.706	0	%100
32	M16	Z	-1.563	-1.563	0	%100
33	M17	X	2.706	2.706	0	%100
34	M17	Z	-1.563	-1.563	0	%100
35	M18	X	2.706	2.706	0	%100
36	M18	Z	-1.563	-1.563	0	%100
37	M19	X	.902	.902	0	%100
38	M19	Z	-.521	-.521	0	%100
39	M20	X	.902	.902	0	%100
40	M20	Z	-.521	-.521	0	%100
41	M21	X	.902	.902	0	%100
42	M21	Z	-.521	-.521	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
43	M22	X	2.706	2.706	0	%100
44	M22	Z	-1.563	-1.563	0	%100
45	M23	X	2.706	2.706	0	%100
46	M23	Z	-1.563	-1.563	0	%100
47	M24	X	2.706	2.706	0	%100
48	M24	Z	-1.563	-1.563	0	%100
49	MP1A	X	3.823	3.823	0	%100
50	MP1A	Z	-2.207	-2.207	0	%100
51	MP2A	X	4.148	4.148	0	%100
52	MP2A	Z	-2.395	-2.395	0	%100
53	MP3A	X	3.823	3.823	0	%100
54	MP3A	Z	-2.207	-2.207	0	%100
55	MP4A	X	3.823	3.823	0	%100
56	MP4A	Z	-2.207	-2.207	0	%100
57	MP1B	X	3.823	3.823	0	%100
58	MP1B	Z	-2.207	-2.207	0	%100
59	MP2B	X	4.148	4.148	0	%100
60	MP2B	Z	-2.395	-2.395	0	%100
61	MP3B	X	3.823	3.823	0	%100
62	MP3B	Z	-2.207	-2.207	0	%100
63	MP4B	X	3.823	3.823	0	%100
64	MP4B	Z	-2.207	-2.207	0	%100
65	MP1C	X	3.823	3.823	0	%100
66	MP1C	Z	-2.207	-2.207	0	%100
67	MP2C	X	4.148	4.148	0	%100
68	MP2C	Z	-2.395	-2.395	0	%100
69	MP3C	X	3.823	3.823	0	%100
70	MP3C	Z	-2.207	-2.207	0	%100
71	MP4C	X	3.823	3.823	0	%100
72	MP4C	Z	-2.207	-2.207	0	%100
73	M49	X	3.823	3.823	0	%100
74	M49	Z	-2.207	-2.207	0	%100
75	M50	X	3.823	3.823	0	%100
76	M50	Z	-2.207	-2.207	0	%100
77	M51	X	3.823	3.823	0	%100
78	M51	Z	-2.207	-2.207	0	%100
79	M52	X	3.823	3.823	0	%100
80	M52	Z	-2.207	-2.207	0	%100
81	M61	X	2.867	2.867	0	%100
82	M61	Z	-1.655	-1.655	0	%100
83	M63	X	2.079	2.079	0	%100
84	M63	Z	-1.2	-1.2	0	%100
85	M69	X	.956	.956	0	%100
86	M69	Z	-.552	-.552	0	%100
87	M71	X	4.727	4.727	0	%100
88	M71	Z	-2.729	-2.729	0	%100
89	M77	X	2.867	2.867	0	%100
90	M77	Z	-1.655	-1.655	0	%100
91	M79	X	2.079	2.079	0	%100
92	M79	Z	-1.2	-1.2	0	%100
93	M85	X	.956	.956	0	%100
94	M85	Z	-.552	-.552	0	%100
95	M87	X	4.727	4.727	0	%100
96	M87	Z	-2.729	-2.729	0	%100
97	M98	X	3.916	3.916	0	%100
98	M98	Z	-2.261	-2.261	0	%100
99	M101	X	.281	.281	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
100	M101	Z	-.162	-.162	0	%100
101	M104	X	3.916	3.916	0	%100
102	M104	Z	-2.261	-2.261	0	%100
103	M107	X	.281	.281	0	%100
104	M107	Z	-.162	-.162	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.879	2.879	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	2.879	2.879	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	2.879	2.879	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	2.879	2.879	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	5.759	5.759	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	5.759	5.759	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	6.384	6.384	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	6.384	6.384	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	4.167	4.167	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	4.167	4.167	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	4.167	4.167	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	4.167	4.167	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	4.167	4.167	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	4.167	4.167	0	%100
48	M24	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
49	MP1A	X	4.414	4.414	0	%100
50	MP1A	Z	0	0	0	%100
51	MP2A	X	4.789	4.789	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	4.414	4.414	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	4.414	4.414	0	%100
56	MP4A	Z	0	0	0	%100
57	MP1B	X	4.414	4.414	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	4.789	4.789	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	4.414	4.414	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	4.414	4.414	0	%100
64	MP4B	Z	0	0	0	%100
65	MP1C	X	4.414	4.414	0	%100
66	MP1C	Z	0	0	0	%100
67	MP2C	X	4.789	4.789	0	%100
68	MP2C	Z	0	0	0	%100
69	MP3C	X	4.414	4.414	0	%100
70	MP3C	Z	0	0	0	%100
71	MP4C	X	4.414	4.414	0	%100
72	MP4C	Z	0	0	0	%100
73	M49	X	4.414	4.414	0	%100
74	M49	Z	0	0	0	%100
75	M50	X	4.414	4.414	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	4.414	4.414	0	%100
78	M51	Z	0	0	0	%100
79	M52	X	4.414	4.414	0	%100
80	M52	Z	0	0	0	%100
81	M61	X	4.414	4.414	0	%100
82	M61	Z	0	0	0	%100
83	M63	X	3.929	3.929	0	%100
84	M63	Z	0	0	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	0	0	0	%100
87	M71	X	3.929	3.929	0	%100
88	M71	Z	0	0	0	%100
89	M77	X	4.414	4.414	0	%100
90	M77	Z	0	0	0	%100
91	M79	X	3.929	3.929	0	%100
92	M79	Z	0	0	0	%100
93	M85	X	0	0	0	%100
94	M85	Z	0	0	0	%100
95	M87	X	3.929	3.929	0	%100
96	M87	Z	0	0	0	%100
97	M98	X	2.423	2.423	0	%100
98	M98	Z	0	0	0	%100
99	M101	X	2.423	2.423	0	%100
100	M101	Z	0	0	0	%100
101	M104	X	2.423	2.423	0	%100
102	M104	Z	0	0	0	%100
103	M107	X	2.423	2.423	0	%100
104	M107	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[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.334	.334	0	%100
2	M1	Z	.193	.193	0	%100
3	M2	X	4.653	4.653	0	%100
4	M2	Z	2.686	2.686	0	%100
5	M3	X	.334	.334	0	%100
6	M3	Z	.193	.193	0	%100
7	M4	X	4.653	4.653	0	%100
8	M4	Z	2.686	2.686	0	%100
9	M5	X	1.247	1.247	0	%100
10	M5	Z	.72	.72	0	%100
11	M6	X	3.74	3.74	0	%100
12	M6	Z	2.159	2.159	0	%100
13	M7	X	1.247	1.247	0	%100
14	M7	Z	.72	.72	0	%100
15	M8	X	3.74	3.74	0	%100
16	M8	Z	2.159	2.159	0	%100
17	M9	X	1.382	1.382	0	%100
18	M9	Z	.798	.798	0	%100
19	M10	X	4.147	4.147	0	%100
20	M10	Z	2.394	2.394	0	%100
21	M11	X	1.382	1.382	0	%100
22	M11	Z	.798	.798	0	%100
23	M12	X	4.147	4.147	0	%100
24	M12	Z	2.394	2.394	0	%100
25	M13	X	.902	.902	0	%100
26	M13	Z	.521	.521	0	%100
27	M14	X	.902	.902	0	%100
28	M14	Z	.521	.521	0	%100
29	M15	X	.902	.902	0	%100
30	M15	Z	.521	.521	0	%100
31	M16	X	2.706	2.706	0	%100
32	M16	Z	1.563	1.563	0	%100
33	M17	X	2.706	2.706	0	%100
34	M17	Z	1.563	1.563	0	%100
35	M18	X	2.706	2.706	0	%100
36	M18	Z	1.563	1.563	0	%100
37	M19	X	.902	.902	0	%100
38	M19	Z	.521	.521	0	%100
39	M20	X	.902	.902	0	%100
40	M20	Z	.521	.521	0	%100
41	M21	X	.902	.902	0	%100
42	M21	Z	.521	.521	0	%100
43	M22	X	2.706	2.706	0	%100
44	M22	Z	1.563	1.563	0	%100
45	M23	X	2.706	2.706	0	%100
46	M23	Z	1.563	1.563	0	%100
47	M24	X	2.706	2.706	0	%100
48	M24	Z	1.563	1.563	0	%100
49	MP1A	X	3.823	3.823	0	%100
50	MP1A	Z	2.207	2.207	0	%100
51	MP2A	X	4.148	4.148	0	%100
52	MP2A	Z	2.395	2.395	0	%100
53	MP3A	X	3.823	3.823	0	%100
54	MP3A	Z	2.207	2.207	0	%100
55	MP4A	X	3.823	3.823	0	%100
56	MP4A	Z	2.207	2.207	0	%100
57	MP1B	X	3.823	3.823	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
58	MP1B	Z	2.207	2.207	0	%100
59	MP2B	X	4.148	4.148	0	%100
60	MP2B	Z	2.395	2.395	0	%100
61	MP3B	X	3.823	3.823	0	%100
62	MP3B	Z	2.207	2.207	0	%100
63	MP4B	X	3.823	3.823	0	%100
64	MP4B	Z	2.207	2.207	0	%100
65	MP1C	X	3.823	3.823	0	%100
66	MP1C	Z	2.207	2.207	0	%100
67	MP2C	X	4.148	4.148	0	%100
68	MP2C	Z	2.395	2.395	0	%100
69	MP3C	X	3.823	3.823	0	%100
70	MP3C	Z	2.207	2.207	0	%100
71	MP4C	X	3.823	3.823	0	%100
72	MP4C	Z	2.207	2.207	0	%100
73	M49	X	3.823	3.823	0	%100
74	M49	Z	2.207	2.207	0	%100
75	M50	X	3.823	3.823	0	%100
76	M50	Z	2.207	2.207	0	%100
77	M51	X	3.823	3.823	0	%100
78	M51	Z	2.207	2.207	0	%100
79	M52	X	3.823	3.823	0	%100
80	M52	Z	2.207	2.207	0	%100
81	M61	X	2.867	2.867	0	%100
82	M61	Z	1.655	1.655	0	%100
83	M63	X	4.727	4.727	0	%100
84	M63	Z	2.729	2.729	0	%100
85	M69	X	.956	.956	0	%100
86	M69	Z	.552	.552	0	%100
87	M71	X	2.079	2.079	0	%100
88	M71	Z	1.2	1.2	0	%100
89	M77	X	2.867	2.867	0	%100
90	M77	Z	1.655	1.655	0	%100
91	M79	X	4.727	4.727	0	%100
92	M79	Z	2.729	2.729	0	%100
93	M85	X	.956	.956	0	%100
94	M85	Z	.552	.552	0	%100
95	M87	X	2.079	2.079	0	%100
96	M87	Z	1.2	1.2	0	%100
97	M98	X	.281	.281	0	%100
98	M98	Z	.162	.162	0	%100
99	M101	X	3.916	3.916	0	%100
100	M101	Z	2.261	2.261	0	%100
101	M104	X	.281	.281	0	%100
102	M104	Z	.162	.162	0	%100
103	M107	X	3.916	3.916	0	%100
104	M107	Z	2.261	2.261	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.193	.193	0	%100
2	M1	Z	.334	.334	0	%100
3	M2	X	2.686	2.686	0	%100
4	M2	Z	4.653	4.653	0	%100
5	M3	X	.193	.193	0	%100
6	M3	Z	.334	.334	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
7	M4	X	2.686	2.686	0	%100
8	M4	Z	4.653	4.653	0	%100
9	M5	X	2.159	2.159	0	%100
10	M5	Z	3.74	3.74	0	%100
11	M6	X	.72	.72	0	%100
12	M6	Z	1.247	1.247	0	%100
13	M7	X	2.159	2.159	0	%100
14	M7	Z	3.74	3.74	0	%100
15	M8	X	.72	.72	0	%100
16	M8	Z	1.247	1.247	0	%100
17	M9	X	2.394	2.394	0	%100
18	M9	Z	4.147	4.147	0	%100
19	M10	X	.798	.798	0	%100
20	M10	Z	1.382	1.382	0	%100
21	M11	X	2.394	2.394	0	%100
22	M11	Z	4.147	4.147	0	%100
23	M12	X	.798	.798	0	%100
24	M12	Z	1.382	1.382	0	%100
25	M13	X	1.563	1.563	0	%100
26	M13	Z	2.706	2.706	0	%100
27	M14	X	1.563	1.563	0	%100
28	M14	Z	2.706	2.706	0	%100
29	M15	X	1.563	1.563	0	%100
30	M15	Z	2.706	2.706	0	%100
31	M16	X	.521	.521	0	%100
32	M16	Z	.902	.902	0	%100
33	M17	X	.521	.521	0	%100
34	M17	Z	.902	.902	0	%100
35	M18	X	.521	.521	0	%100
36	M18	Z	.902	.902	0	%100
37	M19	X	1.563	1.563	0	%100
38	M19	Z	2.706	2.706	0	%100
39	M20	X	1.563	1.563	0	%100
40	M20	Z	2.706	2.706	0	%100
41	M21	X	1.563	1.563	0	%100
42	M21	Z	2.706	2.706	0	%100
43	M22	X	.521	.521	0	%100
44	M22	Z	.902	.902	0	%100
45	M23	X	.521	.521	0	%100
46	M23	Z	.902	.902	0	%100
47	M24	X	.521	.521	0	%100
48	M24	Z	.902	.902	0	%100
49	MP1A	X	2.207	2.207	0	%100
50	MP1A	Z	3.823	3.823	0	%100
51	MP2A	X	2.395	2.395	0	%100
52	MP2A	Z	4.148	4.148	0	%100
53	MP3A	X	2.207	2.207	0	%100
54	MP3A	Z	3.823	3.823	0	%100
55	MP4A	X	2.207	2.207	0	%100
56	MP4A	Z	3.823	3.823	0	%100
57	MP1B	X	2.207	2.207	0	%100
58	MP1B	Z	3.823	3.823	0	%100
59	MP2B	X	2.395	2.395	0	%100
60	MP2B	Z	4.148	4.148	0	%100
61	MP3B	X	2.207	2.207	0	%100
62	MP3B	Z	3.823	3.823	0	%100
63	MP4B	X	2.207	2.207	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
64	MP4B	Z	3.823	3.823	0	%100
65	MP1C	X	2.207	2.207	0	%100
66	MP1C	Z	3.823	3.823	0	%100
67	MP2C	X	2.395	2.395	0	%100
68	MP2C	Z	4.148	4.148	0	%100
69	MP3C	X	2.207	2.207	0	%100
70	MP3C	Z	3.823	3.823	0	%100
71	MP4C	X	2.207	2.207	0	%100
72	MP4C	Z	3.823	3.823	0	%100
73	M49	X	2.207	2.207	0	%100
74	M49	Z	3.823	3.823	0	%100
75	M50	X	2.207	2.207	0	%100
76	M50	Z	3.823	3.823	0	%100
77	M51	X	2.207	2.207	0	%100
78	M51	Z	3.823	3.823	0	%100
79	M52	X	2.207	2.207	0	%100
80	M52	Z	3.823	3.823	0	%100
81	M61	X	.552	.552	0	%100
82	M61	Z	.956	.956	0	%100
83	M63	X	2.729	2.729	0	%100
84	M63	Z	4.727	4.727	0	%100
85	M69	X	1.655	1.655	0	%100
86	M69	Z	2.867	2.867	0	%100
87	M71	X	1.2	1.2	0	%100
88	M71	Z	2.079	2.079	0	%100
89	M77	X	.552	.552	0	%100
90	M77	Z	.956	.956	0	%100
91	M79	X	2.729	2.729	0	%100
92	M79	Z	4.727	4.727	0	%100
93	M85	X	1.655	1.655	0	%100
94	M85	Z	2.867	2.867	0	%100
95	M87	X	1.2	1.2	0	%100
96	M87	Z	2.079	2.079	0	%100
97	M98	X	.162	.162	0	%100
98	M98	Z	.281	.281	0	%100
99	M101	X	2.261	2.261	0	%100
100	M101	Z	3.916	3.916	0	%100
101	M104	X	.162	.162	0	%100
102	M104	Z	.281	.281	0	%100
103	M107	X	2.261	2.261	0	%100
104	M107	Z	3.916	3.916	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	2.879	2.879	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.879	2.879	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	2.879	2.879	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	2.879	2.879	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	5.759	5.759	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
13	M7	X	0	0	0	%100
14	M7	Z	5.759	5.759	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	6.384	6.384	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	6.384	6.384	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	4.167	4.167	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	4.167	4.167	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	4.167	4.167	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	4.167	4.167	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	4.167	4.167	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	4.167	4.167	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	0	0	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	4.414	4.414	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	4.789	4.789	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	4.414	4.414	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	4.414	4.414	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	4.414	4.414	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	4.789	4.789	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	4.414	4.414	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	4.414	4.414	0	%100
65	MP1C	X	0	0	0	%100
66	MP1C	Z	4.414	4.414	0	%100
67	MP2C	X	0	0	0	%100
68	MP2C	Z	4.789	4.789	0	%100
69	MP3C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
70	MP3C	Z	4.414	4.414	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	4.414	4.414	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	4.414	4.414	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	4.414	4.414	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	4.414	4.414	0	%100
79	M52	X	0	0	0	%100
80	M52	Z	4.414	4.414	0	%100
81	M61	X	0	0	0	%100
82	M61	Z	0	0	0	%100
83	M63	X	0	0	0	%100
84	M63	Z	3.929	3.929	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	4.414	4.414	0	%100
87	M71	X	0	0	0	%100
88	M71	Z	3.929	3.929	0	%100
89	M77	X	0	0	0	%100
90	M77	Z	0	0	0	%100
91	M79	X	0	0	0	%100
92	M79	Z	3.929	3.929	0	%100
93	M85	X	0	0	0	%100
94	M85	Z	4.414	4.414	0	%100
95	M87	X	0	0	0	%100
96	M87	Z	3.929	3.929	0	%100
97	M98	X	0	0	0	%100
98	M98	Z	2.423	2.423	0	%100
99	M101	X	0	0	0	%100
100	M101	Z	2.423	2.423	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	2.423	2.423	0	%100
103	M107	X	0	0	0	%100
104	M107	Z	2.423	2.423	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.686	-2.686	0	%100
2	M1	Z	4.653	4.653	0	%100
3	M2	X	-.193	-.193	0	%100
4	M2	Z	.334	.334	0	%100
5	M3	X	-2.686	-2.686	0	%100
6	M3	Z	4.653	4.653	0	%100
7	M4	X	-.193	-.193	0	%100
8	M4	Z	.334	.334	0	%100
9	M5	X	-2.159	-2.159	0	%100
10	M5	Z	3.74	3.74	0	%100
11	M6	X	-.72	-.72	0	%100
12	M6	Z	1.247	1.247	0	%100
13	M7	X	-2.159	-2.159	0	%100
14	M7	Z	3.74	3.74	0	%100
15	M8	X	-.72	-.72	0	%100
16	M8	Z	1.247	1.247	0	%100
17	M9	X	-2.394	-2.394	0	%100
18	M9	Z	4.147	4.147	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
19	M10	X	-.798	-.798	0	%100
20	M10	Z	1.382	1.382	0	%100
21	M11	X	-2.394	-2.394	0	%100
22	M11	Z	4.147	4.147	0	%100
23	M12	X	-.798	-.798	0	%100
24	M12	Z	1.382	1.382	0	%100
25	M13	X	-1.563	-1.563	0	%100
26	M13	Z	2.706	2.706	0	%100
27	M14	X	-1.563	-1.563	0	%100
28	M14	Z	2.706	2.706	0	%100
29	M15	X	-1.563	-1.563	0	%100
30	M15	Z	2.706	2.706	0	%100
31	M16	X	-.521	-.521	0	%100
32	M16	Z	.902	.902	0	%100
33	M17	X	-.521	-.521	0	%100
34	M17	Z	.902	.902	0	%100
35	M18	X	-.521	-.521	0	%100
36	M18	Z	.902	.902	0	%100
37	M19	X	-1.563	-1.563	0	%100
38	M19	Z	2.706	2.706	0	%100
39	M20	X	-1.563	-1.563	0	%100
40	M20	Z	2.706	2.706	0	%100
41	M21	X	-1.563	-1.563	0	%100
42	M21	Z	2.706	2.706	0	%100
43	M22	X	-.521	-.521	0	%100
44	M22	Z	.902	.902	0	%100
45	M23	X	-.521	-.521	0	%100
46	M23	Z	.902	.902	0	%100
47	M24	X	-.521	-.521	0	%100
48	M24	Z	.902	.902	0	%100
49	MP1A	X	-2.207	-2.207	0	%100
50	MP1A	Z	3.823	3.823	0	%100
51	MP2A	X	-2.395	-2.395	0	%100
52	MP2A	Z	4.148	4.148	0	%100
53	MP3A	X	-2.207	-2.207	0	%100
54	MP3A	Z	3.823	3.823	0	%100
55	MP4A	X	-2.207	-2.207	0	%100
56	MP4A	Z	3.823	3.823	0	%100
57	MP1B	X	-2.207	-2.207	0	%100
58	MP1B	Z	3.823	3.823	0	%100
59	MP2B	X	-2.395	-2.395	0	%100
60	MP2B	Z	4.148	4.148	0	%100
61	MP3B	X	-2.207	-2.207	0	%100
62	MP3B	Z	3.823	3.823	0	%100
63	MP4B	X	-2.207	-2.207	0	%100
64	MP4B	Z	3.823	3.823	0	%100
65	MP1C	X	-2.207	-2.207	0	%100
66	MP1C	Z	3.823	3.823	0	%100
67	MP2C	X	-2.395	-2.395	0	%100
68	MP2C	Z	4.148	4.148	0	%100
69	MP3C	X	-2.207	-2.207	0	%100
70	MP3C	Z	3.823	3.823	0	%100
71	MP4C	X	-2.207	-2.207	0	%100
72	MP4C	Z	3.823	3.823	0	%100
73	M49	X	-2.207	-2.207	0	%100
74	M49	Z	3.823	3.823	0	%100
75	M50	X	-2.207	-2.207	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
76	M50	Z	3.823	3.823	0	%100
77	M51	X	-2.207	-2.207	0	%100
78	M51	Z	3.823	3.823	0	%100
79	M52	X	-2.207	-2.207	0	%100
80	M52	Z	3.823	3.823	0	%100
81	M61	X	-.552	-.552	0	%100
82	M61	Z	.956	.956	0	%100
83	M63	X	-1.2	-1.2	0	%100
84	M63	Z	2.079	2.079	0	%100
85	M69	X	-1.655	-1.655	0	%100
86	M69	Z	2.867	2.867	0	%100
87	M71	X	-2.729	-2.729	0	%100
88	M71	Z	4.727	4.727	0	%100
89	M77	X	-.552	-.552	0	%100
90	M77	Z	.956	.956	0	%100
91	M79	X	-1.2	-1.2	0	%100
92	M79	Z	2.079	2.079	0	%100
93	M85	X	-1.655	-1.655	0	%100
94	M85	Z	2.867	2.867	0	%100
95	M87	X	-2.729	-2.729	0	%100
96	M87	Z	4.727	4.727	0	%100
97	M98	X	-2.261	-2.261	0	%100
98	M98	Z	3.916	3.916	0	%100
99	M101	X	-.162	-.162	0	%100
100	M101	Z	.281	.281	0	%100
101	M104	X	-2.261	-2.261	0	%100
102	M104	Z	3.916	3.916	0	%100
103	M107	X	-.162	-.162	0	%100
104	M107	Z	.281	.281	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.653	-4.653	0	%100
2	M1	Z	2.686	2.686	0	%100
3	M2	X	-.334	-.334	0	%100
4	M2	Z	.193	.193	0	%100
5	M3	X	-4.653	-4.653	0	%100
6	M3	Z	2.686	2.686	0	%100
7	M4	X	-.334	-.334	0	%100
8	M4	Z	.193	.193	0	%100
9	M5	X	-1.247	-1.247	0	%100
10	M5	Z	.72	.72	0	%100
11	M6	X	-3.74	-3.74	0	%100
12	M6	Z	2.159	2.159	0	%100
13	M7	X	-1.247	-1.247	0	%100
14	M7	Z	.72	.72	0	%100
15	M8	X	-3.74	-3.74	0	%100
16	M8	Z	2.159	2.159	0	%100
17	M9	X	-1.382	-1.382	0	%100
18	M9	Z	.798	.798	0	%100
19	M10	X	-4.147	-4.147	0	%100
20	M10	Z	2.394	2.394	0	%100
21	M11	X	-1.382	-1.382	0	%100
22	M11	Z	.798	.798	0	%100
23	M12	X	-4.147	-4.147	0	%100
24	M12	Z	2.394	2.394	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
25	M13	X	-.902	-.902	0	%100
26	M13	Z	.521	.521	0	%100
27	M14	X	-.902	-.902	0	%100
28	M14	Z	.521	.521	0	%100
29	M15	X	-.902	-.902	0	%100
30	M15	Z	.521	.521	0	%100
31	M16	X	-2.706	-2.706	0	%100
32	M16	Z	1.563	1.563	0	%100
33	M17	X	-2.706	-2.706	0	%100
34	M17	Z	1.563	1.563	0	%100
35	M18	X	-2.706	-2.706	0	%100
36	M18	Z	1.563	1.563	0	%100
37	M19	X	-.902	-.902	0	%100
38	M19	Z	.521	.521	0	%100
39	M20	X	-.902	-.902	0	%100
40	M20	Z	.521	.521	0	%100
41	M21	X	-.902	-.902	0	%100
42	M21	Z	.521	.521	0	%100
43	M22	X	-2.706	-2.706	0	%100
44	M22	Z	1.563	1.563	0	%100
45	M23	X	-2.706	-2.706	0	%100
46	M23	Z	1.563	1.563	0	%100
47	M24	X	-2.706	-2.706	0	%100
48	M24	Z	1.563	1.563	0	%100
49	MP1A	X	-3.823	-3.823	0	%100
50	MP1A	Z	2.207	2.207	0	%100
51	MP2A	X	-4.148	-4.148	0	%100
52	MP2A	Z	2.395	2.395	0	%100
53	MP3A	X	-3.823	-3.823	0	%100
54	MP3A	Z	2.207	2.207	0	%100
55	MP4A	X	-3.823	-3.823	0	%100
56	MP4A	Z	2.207	2.207	0	%100
57	MP1B	X	-3.823	-3.823	0	%100
58	MP1B	Z	2.207	2.207	0	%100
59	MP2B	X	-4.148	-4.148	0	%100
60	MP2B	Z	2.395	2.395	0	%100
61	MP3B	X	-3.823	-3.823	0	%100
62	MP3B	Z	2.207	2.207	0	%100
63	MP4B	X	-3.823	-3.823	0	%100
64	MP4B	Z	2.207	2.207	0	%100
65	MP1C	X	-3.823	-3.823	0	%100
66	MP1C	Z	2.207	2.207	0	%100
67	MP2C	X	-4.148	-4.148	0	%100
68	MP2C	Z	2.395	2.395	0	%100
69	MP3C	X	-3.823	-3.823	0	%100
70	MP3C	Z	2.207	2.207	0	%100
71	MP4C	X	-3.823	-3.823	0	%100
72	MP4C	Z	2.207	2.207	0	%100
73	M49	X	-3.823	-3.823	0	%100
74	M49	Z	2.207	2.207	0	%100
75	M50	X	-3.823	-3.823	0	%100
76	M50	Z	2.207	2.207	0	%100
77	M51	X	-3.823	-3.823	0	%100
78	M51	Z	2.207	2.207	0	%100
79	M52	X	-3.823	-3.823	0	%100
80	M52	Z	2.207	2.207	0	%100
81	M61	X	-2.867	-2.867	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
82	M61	Z	1.655	1.655	0	%100
83	M63	X	-2.079	-2.079	0	%100
84	M63	Z	1.2	1.2	0	%100
85	M69	X	-.956	-.956	0	%100
86	M69	Z	.552	.552	0	%100
87	M71	X	-4.727	-4.727	0	%100
88	M71	Z	2.729	2.729	0	%100
89	M77	X	-2.867	-2.867	0	%100
90	M77	Z	1.655	1.655	0	%100
91	M79	X	-2.079	-2.079	0	%100
92	M79	Z	1.2	1.2	0	%100
93	M85	X	-.956	-.956	0	%100
94	M85	Z	.552	.552	0	%100
95	M87	X	-4.727	-4.727	0	%100
96	M87	Z	2.729	2.729	0	%100
97	M98	X	-3.916	-3.916	0	%100
98	M98	Z	2.261	2.261	0	%100
99	M101	X	-.281	-.281	0	%100
100	M101	Z	.162	.162	0	%100
101	M104	X	-3.916	-3.916	0	%100
102	M104	Z	2.261	2.261	0	%100
103	M107	X	-.281	-.281	0	%100
104	M107	Z	.162	.162	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.879	-2.879	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-2.879	-2.879	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-2.879	-2.879	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-2.879	-2.879	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-5.759	-5.759	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-5.759	-5.759	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-6.384	-6.384	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-6.384	-6.384	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
31	M16	X	-4.167	-4.167	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-4.167	-4.167	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-4.167	-4.167	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-4.167	-4.167	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-4.167	-4.167	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-4.167	-4.167	0	%100
48	M24	Z	0	0	0	%100
49	MP1A	X	-4.414	-4.414	0	%100
50	MP1A	Z	0	0	0	%100
51	MP2A	X	-4.789	-4.789	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-4.414	-4.414	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	-4.414	-4.414	0	%100
56	MP4A	Z	0	0	0	%100
57	MP1B	X	-4.414	-4.414	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	-4.789	-4.789	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	-4.414	-4.414	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	-4.414	-4.414	0	%100
64	MP4B	Z	0	0	0	%100
65	MP1C	X	-4.414	-4.414	0	%100
66	MP1C	Z	0	0	0	%100
67	MP2C	X	-4.789	-4.789	0	%100
68	MP2C	Z	0	0	0	%100
69	MP3C	X	-4.414	-4.414	0	%100
70	MP3C	Z	0	0	0	%100
71	MP4C	X	-4.414	-4.414	0	%100
72	MP4C	Z	0	0	0	%100
73	M49	X	-4.414	-4.414	0	%100
74	M49	Z	0	0	0	%100
75	M50	X	-4.414	-4.414	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	-4.414	-4.414	0	%100
78	M51	Z	0	0	0	%100
79	M52	X	-4.414	-4.414	0	%100
80	M52	Z	0	0	0	%100
81	M61	X	-4.414	-4.414	0	%100
82	M61	Z	0	0	0	%100
83	M63	X	-3.929	-3.929	0	%100
84	M63	Z	0	0	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	0	0	0	%100
87	M71	X	-3.929	-3.929	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
88	M71	Z	0	0	0	%100
89	M77	X	-4.414	-4.414	0	%100
90	M77	Z	0	0	0	%100
91	M79	X	-3.929	-3.929	0	%100
92	M79	Z	0	0	0	%100
93	M85	X	0	0	0	%100
94	M85	Z	0	0	0	%100
95	M87	X	-3.929	-3.929	0	%100
96	M87	Z	0	0	0	%100
97	M98	X	-2.423	-2.423	0	%100
98	M98	Z	0	0	0	%100
99	M101	X	-2.423	-2.423	0	%100
100	M101	Z	0	0	0	%100
101	M104	X	-2.423	-2.423	0	%100
102	M104	Z	0	0	0	%100
103	M107	X	-2.423	-2.423	0	%100
104	M107	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[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.334	-.334	0	%100
2	M1	Z	-.193	-.193	0	%100
3	M2	X	-4.653	-4.653	0	%100
4	M2	Z	-2.686	-2.686	0	%100
5	M3	X	-.334	-.334	0	%100
6	M3	Z	-.193	-.193	0	%100
7	M4	X	-4.653	-4.653	0	%100
8	M4	Z	-2.686	-2.686	0	%100
9	M5	X	-1.247	-1.247	0	%100
10	M5	Z	-.72	-.72	0	%100
11	M6	X	-3.74	-3.74	0	%100
12	M6	Z	-2.159	-2.159	0	%100
13	M7	X	-1.247	-1.247	0	%100
14	M7	Z	-.72	-.72	0	%100
15	M8	X	-3.74	-3.74	0	%100
16	M8	Z	-2.159	-2.159	0	%100
17	M9	X	-1.382	-1.382	0	%100
18	M9	Z	-.798	-.798	0	%100
19	M10	X	-4.147	-4.147	0	%100
20	M10	Z	-2.394	-2.394	0	%100
21	M11	X	-1.382	-1.382	0	%100
22	M11	Z	-.798	-.798	0	%100
23	M12	X	-4.147	-4.147	0	%100
24	M12	Z	-2.394	-2.394	0	%100
25	M13	X	-.902	-.902	0	%100
26	M13	Z	-.521	-.521	0	%100
27	M14	X	-.902	-.902	0	%100
28	M14	Z	-.521	-.521	0	%100
29	M15	X	-.902	-.902	0	%100
30	M15	Z	-.521	-.521	0	%100
31	M16	X	-2.706	-2.706	0	%100
32	M16	Z	-1.563	-1.563	0	%100
33	M17	X	-2.706	-2.706	0	%100
34	M17	Z	-1.563	-1.563	0	%100
35	M18	X	-2.706	-2.706	0	%100
36	M18	Z	-1.563	-1.563	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
37	M19	X	-.902	-.902	0	%100
38	M19	Z	-.521	-.521	0	%100
39	M20	X	-.902	-.902	0	%100
40	M20	Z	-.521	-.521	0	%100
41	M21	X	-.902	-.902	0	%100
42	M21	Z	-.521	-.521	0	%100
43	M22	X	-2.706	-2.706	0	%100
44	M22	Z	-1.563	-1.563	0	%100
45	M23	X	-2.706	-2.706	0	%100
46	M23	Z	-1.563	-1.563	0	%100
47	M24	X	-2.706	-2.706	0	%100
48	M24	Z	-1.563	-1.563	0	%100
49	MP1A	X	-3.823	-3.823	0	%100
50	MP1A	Z	-2.207	-2.207	0	%100
51	MP2A	X	-4.148	-4.148	0	%100
52	MP2A	Z	-2.395	-2.395	0	%100
53	MP3A	X	-3.823	-3.823	0	%100
54	MP3A	Z	-2.207	-2.207	0	%100
55	MP4A	X	-3.823	-3.823	0	%100
56	MP4A	Z	-2.207	-2.207	0	%100
57	MP1B	X	-3.823	-3.823	0	%100
58	MP1B	Z	-2.207	-2.207	0	%100
59	MP2B	X	-4.148	-4.148	0	%100
60	MP2B	Z	-2.395	-2.395	0	%100
61	MP3B	X	-3.823	-3.823	0	%100
62	MP3B	Z	-2.207	-2.207	0	%100
63	MP4B	X	-3.823	-3.823	0	%100
64	MP4B	Z	-2.207	-2.207	0	%100
65	MP1C	X	-3.823	-3.823	0	%100
66	MP1C	Z	-2.207	-2.207	0	%100
67	MP2C	X	-4.148	-4.148	0	%100
68	MP2C	Z	-2.395	-2.395	0	%100
69	MP3C	X	-3.823	-3.823	0	%100
70	MP3C	Z	-2.207	-2.207	0	%100
71	MP4C	X	-3.823	-3.823	0	%100
72	MP4C	Z	-2.207	-2.207	0	%100
73	M49	X	-3.823	-3.823	0	%100
74	M49	Z	-2.207	-2.207	0	%100
75	M50	X	-3.823	-3.823	0	%100
76	M50	Z	-2.207	-2.207	0	%100
77	M51	X	-3.823	-3.823	0	%100
78	M51	Z	-2.207	-2.207	0	%100
79	M52	X	-3.823	-3.823	0	%100
80	M52	Z	-2.207	-2.207	0	%100
81	M61	X	-2.867	-2.867	0	%100
82	M61	Z	-1.655	-1.655	0	%100
83	M63	X	-4.727	-4.727	0	%100
84	M63	Z	-2.729	-2.729	0	%100
85	M69	X	-.956	-.956	0	%100
86	M69	Z	-.552	-.552	0	%100
87	M71	X	-2.079	-2.079	0	%100
88	M71	Z	-1.2	-1.2	0	%100
89	M77	X	-2.867	-2.867	0	%100
90	M77	Z	-1.655	-1.655	0	%100
91	M79	X	-4.727	-4.727	0	%100
92	M79	Z	-2.729	-2.729	0	%100
93	M85	X	-.956	-.956	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
94	M85	Z	-.552	-.552	0	%100
95	M87	X	-2.079	-2.079	0	%100
96	M87	Z	-1.2	-1.2	0	%100
97	M98	X	-.281	-.281	0	%100
98	M98	Z	-.162	-.162	0	%100
99	M101	X	-3.916	-3.916	0	%100
100	M101	Z	-2.261	-2.261	0	%100
101	M104	X	-.281	-.281	0	%100
102	M104	Z	-.162	-.162	0	%100
103	M107	X	-3.916	-3.916	0	%100
104	M107	Z	-2.261	-2.261	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.193	-.193	0	%100
2	M1	Z	-.334	-.334	0	%100
3	M2	X	-2.686	-2.686	0	%100
4	M2	Z	-4.653	-4.653	0	%100
5	M3	X	-.193	-.193	0	%100
6	M3	Z	-.334	-.334	0	%100
7	M4	X	-2.686	-2.686	0	%100
8	M4	Z	-4.653	-4.653	0	%100
9	M5	X	-2.159	-2.159	0	%100
10	M5	Z	-3.74	-3.74	0	%100
11	M6	X	-.72	-.72	0	%100
12	M6	Z	-1.247	-1.247	0	%100
13	M7	X	-2.159	-2.159	0	%100
14	M7	Z	-3.74	-3.74	0	%100
15	M8	X	-.72	-.72	0	%100
16	M8	Z	-1.247	-1.247	0	%100
17	M9	X	-2.394	-2.394	0	%100
18	M9	Z	-4.147	-4.147	0	%100
19	M10	X	-.798	-.798	0	%100
20	M10	Z	-1.382	-1.382	0	%100
21	M11	X	-2.394	-2.394	0	%100
22	M11	Z	-4.147	-4.147	0	%100
23	M12	X	-.798	-.798	0	%100
24	M12	Z	-1.382	-1.382	0	%100
25	M13	X	-1.563	-1.563	0	%100
26	M13	Z	-2.706	-2.706	0	%100
27	M14	X	-1.563	-1.563	0	%100
28	M14	Z	-2.706	-2.706	0	%100
29	M15	X	-1.563	-1.563	0	%100
30	M15	Z	-2.706	-2.706	0	%100
31	M16	X	-.521	-.521	0	%100
32	M16	Z	-.902	-.902	0	%100
33	M17	X	-.521	-.521	0	%100
34	M17	Z	-.902	-.902	0	%100
35	M18	X	-.521	-.521	0	%100
36	M18	Z	-.902	-.902	0	%100
37	M19	X	-1.563	-1.563	0	%100
38	M19	Z	-2.706	-2.706	0	%100
39	M20	X	-1.563	-1.563	0	%100
40	M20	Z	-2.706	-2.706	0	%100
41	M21	X	-1.563	-1.563	0	%100
42	M21	Z	-2.706	-2.706	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
43	M22	X	-.521	-.521	0	%100
44	M22	Z	-.902	-.902	0	%100
45	M23	X	-.521	-.521	0	%100
46	M23	Z	-.902	-.902	0	%100
47	M24	X	-.521	-.521	0	%100
48	M24	Z	-.902	-.902	0	%100
49	MP1A	X	-2.207	-2.207	0	%100
50	MP1A	Z	-3.823	-3.823	0	%100
51	MP2A	X	-2.395	-2.395	0	%100
52	MP2A	Z	-4.148	-4.148	0	%100
53	MP3A	X	-2.207	-2.207	0	%100
54	MP3A	Z	-3.823	-3.823	0	%100
55	MP4A	X	-2.207	-2.207	0	%100
56	MP4A	Z	-3.823	-3.823	0	%100
57	MP1B	X	-2.207	-2.207	0	%100
58	MP1B	Z	-3.823	-3.823	0	%100
59	MP2B	X	-2.395	-2.395	0	%100
60	MP2B	Z	-4.148	-4.148	0	%100
61	MP3B	X	-2.207	-2.207	0	%100
62	MP3B	Z	-3.823	-3.823	0	%100
63	MP4B	X	-2.207	-2.207	0	%100
64	MP4B	Z	-3.823	-3.823	0	%100
65	MP1C	X	-2.207	-2.207	0	%100
66	MP1C	Z	-3.823	-3.823	0	%100
67	MP2C	X	-2.395	-2.395	0	%100
68	MP2C	Z	-4.148	-4.148	0	%100
69	MP3C	X	-2.207	-2.207	0	%100
70	MP3C	Z	-3.823	-3.823	0	%100
71	MP4C	X	-2.207	-2.207	0	%100
72	MP4C	Z	-3.823	-3.823	0	%100
73	M49	X	-2.207	-2.207	0	%100
74	M49	Z	-3.823	-3.823	0	%100
75	M50	X	-2.207	-2.207	0	%100
76	M50	Z	-3.823	-3.823	0	%100
77	M51	X	-2.207	-2.207	0	%100
78	M51	Z	-3.823	-3.823	0	%100
79	M52	X	-2.207	-2.207	0	%100
80	M52	Z	-3.823	-3.823	0	%100
81	M61	X	-.552	-.552	0	%100
82	M61	Z	-.956	-.956	0	%100
83	M63	X	-2.729	-2.729	0	%100
84	M63	Z	-4.727	-4.727	0	%100
85	M69	X	-1.655	-1.655	0	%100
86	M69	Z	-2.867	-2.867	0	%100
87	M71	X	-1.2	-1.2	0	%100
88	M71	Z	-2.079	-2.079	0	%100
89	M77	X	-.552	-.552	0	%100
90	M77	Z	-.956	-.956	0	%100
91	M79	X	-2.729	-2.729	0	%100
92	M79	Z	-4.727	-4.727	0	%100
93	M85	X	-1.655	-1.655	0	%100
94	M85	Z	-2.867	-2.867	0	%100
95	M87	X	-1.2	-1.2	0	%100
96	M87	Z	-2.079	-2.079	0	%100
97	M98	X	-.162	-.162	0	%100
98	M98	Z	-.281	-.281	0	%100
99	M101	X	-2.261	-2.261	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
100	M101	Z	-3.916	-3.916	0	%100
101	M104	X	-.162	-.162	0	%100
102	M104	Z	-.281	-.281	0	%100
103	M107	X	-2.261	-2.261	0	%100
104	M107	Z	-3.916	-3.916	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.563	-.563	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.563	-.563	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.563	-.563	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.563	-.563	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-1.126	-1.126	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-1.126	-1.126	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-1.351	-1.351	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-1.351	-1.351	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-.805	-.805	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-.805	-.805	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-.805	-.805	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-.805	-.805	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-.805	-.805	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-.805	-.805	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-.642	-.642	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-.777	-.777	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-.642	-.642	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-.642	-.642	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	-.642	-.642	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	-.777	-.777	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	-.642	-.642	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-.642	-.642	0	%100
65	MP1C	X	0	0	0	%100
66	MP1C	Z	-.642	-.642	0	%100
67	MP2C	X	0	0	0	%100
68	MP2C	Z	-.777	-.777	0	%100
69	MP3C	X	0	0	0	%100
70	MP3C	Z	-.642	-.642	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	-.642	-.642	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	-.642	-.642	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	-.642	-.642	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	-.642	-.642	0	%100
79	M52	X	0	0	0	%100
80	M52	Z	-.642	-.642	0	%100
81	M61	X	0	0	0	%100
82	M61	Z	0	0	0	%100
83	M63	X	0	0	0	%100
84	M63	Z	-.831	-.831	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	-.642	-.642	0	%100
87	M71	X	0	0	0	%100
88	M71	Z	-.831	-.831	0	%100
89	M77	X	0	0	0	%100
90	M77	Z	0	0	0	%100
91	M79	X	0	0	0	%100
92	M79	Z	-.831	-.831	0	%100
93	M85	X	0	0	0	%100
94	M85	Z	-.642	-.642	0	%100
95	M87	X	0	0	0	%100
96	M87	Z	-.831	-.831	0	%100
97	M98	X	0	0	0	%100
98	M98	Z	-.575	-.575	0	%100
99	M101	X	0	0	0	%100
100	M101	Z	-.575	-.575	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	-.575	-.575	0	%100
103	M107	X	0	0	0	%100
104	M107	Z	-.575	-.575	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.525	.525	0	%100
2	M1	Z	-.91	-.91	0	%100
3	M2	X	.038	.038	0	%100
4	M2	Z	-.065	-.065	0	%100
5	M3	X	.525	.525	0	%100
6	M3	Z	-.91	-.91	0	%100
7	M4	X	.038	.038	0	%100
8	M4	Z	-.065	-.065	0	%100
9	M5	X	.422	.422	0	%100
10	M5	Z	-.731	-.731	0	%100
11	M6	X	.141	.141	0	%100
12	M6	Z	-.244	-.244	0	%100
13	M7	X	.422	.422	0	%100
14	M7	Z	-.731	-.731	0	%100
15	M8	X	.141	.141	0	%100
16	M8	Z	-.244	-.244	0	%100
17	M9	X	.507	.507	0	%100
18	M9	Z	-.877	-.877	0	%100
19	M10	X	.169	.169	0	%100
20	M10	Z	-.292	-.292	0	%100
21	M11	X	.507	.507	0	%100
22	M11	Z	-.877	-.877	0	%100
23	M12	X	.169	.169	0	%100
24	M12	Z	-.292	-.292	0	%100
25	M13	X	.302	.302	0	%100
26	M13	Z	-.523	-.523	0	%100
27	M14	X	.302	.302	0	%100
28	M14	Z	-.523	-.523	0	%100
29	M15	X	.302	.302	0	%100
30	M15	Z	-.523	-.523	0	%100
31	M16	X	.101	.101	0	%100
32	M16	Z	-.174	-.174	0	%100
33	M17	X	.101	.101	0	%100
34	M17	Z	-.174	-.174	0	%100
35	M18	X	.101	.101	0	%100
36	M18	Z	-.174	-.174	0	%100
37	M19	X	.302	.302	0	%100
38	M19	Z	-.523	-.523	0	%100
39	M20	X	.302	.302	0	%100
40	M20	Z	-.523	-.523	0	%100
41	M21	X	.302	.302	0	%100
42	M21	Z	-.523	-.523	0	%100
43	M22	X	.101	.101	0	%100
44	M22	Z	-.174	-.174	0	%100
45	M23	X	.101	.101	0	%100
46	M23	Z	-.174	-.174	0	%100
47	M24	X	.101	.101	0	%100
48	M24	Z	-.174	-.174	0	%100
49	MP1A	X	.321	.321	0	%100
50	MP1A	Z	-.556	-.556	0	%100
51	MP2A	X	.388	.388	0	%100
52	MP2A	Z	-.673	-.673	0	%100
53	MP3A	X	.321	.321	0	%100
54	MP3A	Z	-.556	-.556	0	%100
55	MP4A	X	.321	.321	0	%100
56	MP4A	Z	-.556	-.556	0	%100
57	MP1B	X	.321	.321	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
58	MP1B	Z	-.556	-.556	0	%100
59	MP2B	X	.388	.388	0	%100
60	MP2B	Z	-.673	-.673	0	%100
61	MP3B	X	.321	.321	0	%100
62	MP3B	Z	-.556	-.556	0	%100
63	MP4B	X	.321	.321	0	%100
64	MP4B	Z	-.556	-.556	0	%100
65	MP1C	X	.321	.321	0	%100
66	MP1C	Z	-.556	-.556	0	%100
67	MP2C	X	.388	.388	0	%100
68	MP2C	Z	-.673	-.673	0	%100
69	MP3C	X	.321	.321	0	%100
70	MP3C	Z	-.556	-.556	0	%100
71	MP4C	X	.321	.321	0	%100
72	MP4C	Z	-.556	-.556	0	%100
73	M49	X	.321	.321	0	%100
74	M49	Z	-.556	-.556	0	%100
75	M50	X	.321	.321	0	%100
76	M50	Z	-.556	-.556	0	%100
77	M51	X	.321	.321	0	%100
78	M51	Z	-.556	-.556	0	%100
79	M52	X	.321	.321	0	%100
80	M52	Z	-.556	-.556	0	%100
81	M61	X	.08	.08	0	%100
82	M61	Z	-.139	-.139	0	%100
83	M63	X	.288	.288	0	%100
84	M63	Z	-.498	-.498	0	%100
85	M69	X	.241	.241	0	%100
86	M69	Z	-.417	-.417	0	%100
87	M71	X	.543	.543	0	%100
88	M71	Z	-.941	-.941	0	%100
89	M77	X	.08	.08	0	%100
90	M77	Z	-.139	-.139	0	%100
91	M79	X	.288	.288	0	%100
92	M79	Z	-.498	-.498	0	%100
93	M85	X	.241	.241	0	%100
94	M85	Z	-.417	-.417	0	%100
95	M87	X	.543	.543	0	%100
96	M87	Z	-.941	-.941	0	%100
97	M98	X	.537	.537	0	%100
98	M98	Z	-.93	-.93	0	%100
99	M101	X	.039	.039	0	%100
100	M101	Z	-.067	-.067	0	%100
101	M104	X	.537	.537	0	%100
102	M104	Z	-.93	-.93	0	%100
103	M107	X	.039	.039	0	%100
104	M107	Z	-.067	-.067	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.91	.91	0	%100
2	M1	Z	-.525	-.525	0	%100
3	M2	X	.065	.065	0	%100
4	M2	Z	-.038	-.038	0	%100
5	M3	X	.91	.91	0	%100
6	M3	Z	-.525	-.525	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
7	M4	X	.065	.065	0	%100
8	M4	Z	-.038	-.038	0	%100
9	M5	X	.244	.244	0	%100
10	M5	Z	-.141	-.141	0	%100
11	M6	X	.731	.731	0	%100
12	M6	Z	-.422	-.422	0	%100
13	M7	X	.244	.244	0	%100
14	M7	Z	-.141	-.141	0	%100
15	M8	X	.731	.731	0	%100
16	M8	Z	-.422	-.422	0	%100
17	M9	X	.292	.292	0	%100
18	M9	Z	-.169	-.169	0	%100
19	M10	X	.877	.877	0	%100
20	M10	Z	-.507	-.507	0	%100
21	M11	X	.292	.292	0	%100
22	M11	Z	-.169	-.169	0	%100
23	M12	X	.877	.877	0	%100
24	M12	Z	-.507	-.507	0	%100
25	M13	X	.174	.174	0	%100
26	M13	Z	-.101	-.101	0	%100
27	M14	X	.174	.174	0	%100
28	M14	Z	-.101	-.101	0	%100
29	M15	X	.174	.174	0	%100
30	M15	Z	-.101	-.101	0	%100
31	M16	X	.523	.523	0	%100
32	M16	Z	-.302	-.302	0	%100
33	M17	X	.523	.523	0	%100
34	M17	Z	-.302	-.302	0	%100
35	M18	X	.523	.523	0	%100
36	M18	Z	-.302	-.302	0	%100
37	M19	X	.174	.174	0	%100
38	M19	Z	-.101	-.101	0	%100
39	M20	X	.174	.174	0	%100
40	M20	Z	-.101	-.101	0	%100
41	M21	X	.174	.174	0	%100
42	M21	Z	-.101	-.101	0	%100
43	M22	X	.523	.523	0	%100
44	M22	Z	-.302	-.302	0	%100
45	M23	X	.523	.523	0	%100
46	M23	Z	-.302	-.302	0	%100
47	M24	X	.523	.523	0	%100
48	M24	Z	-.302	-.302	0	%100
49	MP1A	X	.556	.556	0	%100
50	MP1A	Z	-.321	-.321	0	%100
51	MP2A	X	.673	.673	0	%100
52	MP2A	Z	-.388	-.388	0	%100
53	MP3A	X	.556	.556	0	%100
54	MP3A	Z	-.321	-.321	0	%100
55	MP4A	X	.556	.556	0	%100
56	MP4A	Z	-.321	-.321	0	%100
57	MP1B	X	.556	.556	0	%100
58	MP1B	Z	-.321	-.321	0	%100
59	MP2B	X	.673	.673	0	%100
60	MP2B	Z	-.388	-.388	0	%100
61	MP3B	X	.556	.556	0	%100
62	MP3B	Z	-.321	-.321	0	%100
63	MP4B	X	.556	.556	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
64	MP4B	Z	-.321	-.321	0	%100
65	MP1C	X	.556	.556	0	%100
66	MP1C	Z	-.321	-.321	0	%100
67	MP2C	X	.673	.673	0	%100
68	MP2C	Z	-.388	-.388	0	%100
69	MP3C	X	.556	.556	0	%100
70	MP3C	Z	-.321	-.321	0	%100
71	MP4C	X	.556	.556	0	%100
72	MP4C	Z	-.321	-.321	0	%100
73	M49	X	.556	.556	0	%100
74	M49	Z	-.321	-.321	0	%100
75	M50	X	.556	.556	0	%100
76	M50	Z	-.321	-.321	0	%100
77	M51	X	.556	.556	0	%100
78	M51	Z	-.321	-.321	0	%100
79	M52	X	.556	.556	0	%100
80	M52	Z	-.321	-.321	0	%100
81	M61	X	.417	.417	0	%100
82	M61	Z	-.241	-.241	0	%100
83	M63	X	.498	.498	0	%100
84	M63	Z	-.288	-.288	0	%100
85	M69	X	.139	.139	0	%100
86	M69	Z	-.08	-.08	0	%100
87	M71	X	.941	.941	0	%100
88	M71	Z	-.543	-.543	0	%100
89	M77	X	.417	.417	0	%100
90	M77	Z	-.241	-.241	0	%100
91	M79	X	.498	.498	0	%100
92	M79	Z	-.288	-.288	0	%100
93	M85	X	.139	.139	0	%100
94	M85	Z	-.08	-.08	0	%100
95	M87	X	.941	.941	0	%100
96	M87	Z	-.543	-.543	0	%100
97	M98	X	.93	.93	0	%100
98	M98	Z	-.537	-.537	0	%100
99	M101	X	.067	.067	0	%100
100	M101	Z	-.039	-.039	0	%100
101	M104	X	.93	.93	0	%100
102	M104	Z	-.537	-.537	0	%100
103	M107	X	.067	.067	0	%100
104	M107	Z	-.039	-.039	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.563	.563	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.563	.563	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.563	.563	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.563	.563	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	1.126	1.126	0	%100
12	M6	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	1.126	1.126	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	1.351	1.351	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	1.351	1.351	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	.805	.805	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	.805	.805	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	.805	.805	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	.805	.805	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	.805	.805	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	.805	.805	0	%100
48	M24	Z	0	0	0	%100
49	MP1A	X	.642	.642	0	%100
50	MP1A	Z	0	0	0	%100
51	MP2A	X	.777	.777	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	.642	.642	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	.642	.642	0	%100
56	MP4A	Z	0	0	0	%100
57	MP1B	X	.642	.642	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	.777	.777	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	.642	.642	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	.642	.642	0	%100
64	MP4B	Z	0	0	0	%100
65	MP1C	X	.642	.642	0	%100
66	MP1C	Z	0	0	0	%100
67	MP2C	X	.777	.777	0	%100
68	MP2C	Z	0	0	0	%100
69	MP3C	X	.642	.642	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
70	MP3C	Z	0	0	0	%100
71	MP4C	X	.642	.642	0	%100
72	MP4C	Z	0	0	0	%100
73	M49	X	.642	.642	0	%100
74	M49	Z	0	0	0	%100
75	M50	X	.642	.642	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	.642	.642	0	%100
78	M51	Z	0	0	0	%100
79	M52	X	.642	.642	0	%100
80	M52	Z	0	0	0	%100
81	M61	X	.642	.642	0	%100
82	M61	Z	0	0	0	%100
83	M63	X	.831	.831	0	%100
84	M63	Z	0	0	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	0	0	0	%100
87	M71	X	.831	.831	0	%100
88	M71	Z	0	0	0	%100
89	M77	X	.642	.642	0	%100
90	M77	Z	0	0	0	%100
91	M79	X	.831	.831	0	%100
92	M79	Z	0	0	0	%100
93	M85	X	0	0	0	%100
94	M85	Z	0	0	0	%100
95	M87	X	.831	.831	0	%100
96	M87	Z	0	0	0	%100
97	M98	X	.575	.575	0	%100
98	M98	Z	0	0	0	%100
99	M101	X	.575	.575	0	%100
100	M101	Z	0	0	0	%100
101	M104	X	.575	.575	0	%100
102	M104	Z	0	0	0	%100
103	M107	X	.575	.575	0	%100
104	M107	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[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.065	.065	0	%100
2	M1	Z	.038	.038	0	%100
3	M2	X	.91	.91	0	%100
4	M2	Z	.525	.525	0	%100
5	M3	X	.065	.065	0	%100
6	M3	Z	.038	.038	0	%100
7	M4	X	.91	.91	0	%100
8	M4	Z	.525	.525	0	%100
9	M5	X	.244	.244	0	%100
10	M5	Z	.141	.141	0	%100
11	M6	X	.731	.731	0	%100
12	M6	Z	.422	.422	0	%100
13	M7	X	.244	.244	0	%100
14	M7	Z	.141	.141	0	%100
15	M8	X	.731	.731	0	%100
16	M8	Z	.422	.422	0	%100
17	M9	X	.292	.292	0	%100
18	M9	Z	.169	.169	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
19	M10	X	.877	.877	0	%100
20	M10	Z	.507	.507	0	%100
21	M11	X	.292	.292	0	%100
22	M11	Z	.169	.169	0	%100
23	M12	X	.877	.877	0	%100
24	M12	Z	.507	.507	0	%100
25	M13	X	.174	.174	0	%100
26	M13	Z	.101	.101	0	%100
27	M14	X	.174	.174	0	%100
28	M14	Z	.101	.101	0	%100
29	M15	X	.174	.174	0	%100
30	M15	Z	.101	.101	0	%100
31	M16	X	.523	.523	0	%100
32	M16	Z	.302	.302	0	%100
33	M17	X	.523	.523	0	%100
34	M17	Z	.302	.302	0	%100
35	M18	X	.523	.523	0	%100
36	M18	Z	.302	.302	0	%100
37	M19	X	.174	.174	0	%100
38	M19	Z	.101	.101	0	%100
39	M20	X	.174	.174	0	%100
40	M20	Z	.101	.101	0	%100
41	M21	X	.174	.174	0	%100
42	M21	Z	.101	.101	0	%100
43	M22	X	.523	.523	0	%100
44	M22	Z	.302	.302	0	%100
45	M23	X	.523	.523	0	%100
46	M23	Z	.302	.302	0	%100
47	M24	X	.523	.523	0	%100
48	M24	Z	.302	.302	0	%100
49	MP1A	X	.556	.556	0	%100
50	MP1A	Z	.321	.321	0	%100
51	MP2A	X	.673	.673	0	%100
52	MP2A	Z	.388	.388	0	%100
53	MP3A	X	.556	.556	0	%100
54	MP3A	Z	.321	.321	0	%100
55	MP4A	X	.556	.556	0	%100
56	MP4A	Z	.321	.321	0	%100
57	MP1B	X	.556	.556	0	%100
58	MP1B	Z	.321	.321	0	%100
59	MP2B	X	.673	.673	0	%100
60	MP2B	Z	.388	.388	0	%100
61	MP3B	X	.556	.556	0	%100
62	MP3B	Z	.321	.321	0	%100
63	MP4B	X	.556	.556	0	%100
64	MP4B	Z	.321	.321	0	%100
65	MP1C	X	.556	.556	0	%100
66	MP1C	Z	.321	.321	0	%100
67	MP2C	X	.673	.673	0	%100
68	MP2C	Z	.388	.388	0	%100
69	MP3C	X	.556	.556	0	%100
70	MP3C	Z	.321	.321	0	%100
71	MP4C	X	.556	.556	0	%100
72	MP4C	Z	.321	.321	0	%100
73	M49	X	.556	.556	0	%100
74	M49	Z	.321	.321	0	%100
75	M50	X	.556	.556	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
76	M50	Z	.321	.321	0	%100
77	M51	X	.556	.556	0	%100
78	M51	Z	.321	.321	0	%100
79	M52	X	.556	.556	0	%100
80	M52	Z	.321	.321	0	%100
81	M61	X	.417	.417	0	%100
82	M61	Z	.241	.241	0	%100
83	M63	X	.941	.941	0	%100
84	M63	Z	.543	.543	0	%100
85	M69	X	.139	.139	0	%100
86	M69	Z	.08	.08	0	%100
87	M71	X	.498	.498	0	%100
88	M71	Z	.288	.288	0	%100
89	M77	X	.417	.417	0	%100
90	M77	Z	.241	.241	0	%100
91	M79	X	.941	.941	0	%100
92	M79	Z	.543	.543	0	%100
93	M85	X	.139	.139	0	%100
94	M85	Z	.08	.08	0	%100
95	M87	X	.498	.498	0	%100
96	M87	Z	.288	.288	0	%100
97	M98	X	.067	.067	0	%100
98	M98	Z	.039	.039	0	%100
99	M101	X	.93	.93	0	%100
100	M101	Z	.537	.537	0	%100
101	M104	X	.067	.067	0	%100
102	M104	Z	.039	.039	0	%100
103	M107	X	.93	.93	0	%100
104	M107	Z	.537	.537	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.038	.038	0	%100
2	M1	Z	.065	.065	0	%100
3	M2	X	.525	.525	0	%100
4	M2	Z	.91	.91	0	%100
5	M3	X	.038	.038	0	%100
6	M3	Z	.065	.065	0	%100
7	M4	X	.525	.525	0	%100
8	M4	Z	.91	.91	0	%100
9	M5	X	.422	.422	0	%100
10	M5	Z	.731	.731	0	%100
11	M6	X	.141	.141	0	%100
12	M6	Z	.244	.244	0	%100
13	M7	X	.422	.422	0	%100
14	M7	Z	.731	.731	0	%100
15	M8	X	.141	.141	0	%100
16	M8	Z	.244	.244	0	%100
17	M9	X	.507	.507	0	%100
18	M9	Z	.877	.877	0	%100
19	M10	X	.169	.169	0	%100
20	M10	Z	.292	.292	0	%100
21	M11	X	.507	.507	0	%100
22	M11	Z	.877	.877	0	%100
23	M12	X	.169	.169	0	%100
24	M12	Z	.292	.292	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
25	M13	X	.302	.302	0	%100
26	M13	Z	.523	.523	0	%100
27	M14	X	.302	.302	0	%100
28	M14	Z	.523	.523	0	%100
29	M15	X	.302	.302	0	%100
30	M15	Z	.523	.523	0	%100
31	M16	X	.101	.101	0	%100
32	M16	Z	.174	.174	0	%100
33	M17	X	.101	.101	0	%100
34	M17	Z	.174	.174	0	%100
35	M18	X	.101	.101	0	%100
36	M18	Z	.174	.174	0	%100
37	M19	X	.302	.302	0	%100
38	M19	Z	.523	.523	0	%100
39	M20	X	.302	.302	0	%100
40	M20	Z	.523	.523	0	%100
41	M21	X	.302	.302	0	%100
42	M21	Z	.523	.523	0	%100
43	M22	X	.101	.101	0	%100
44	M22	Z	.174	.174	0	%100
45	M23	X	.101	.101	0	%100
46	M23	Z	.174	.174	0	%100
47	M24	X	.101	.101	0	%100
48	M24	Z	.174	.174	0	%100
49	MP1A	X	.321	.321	0	%100
50	MP1A	Z	.556	.556	0	%100
51	MP2A	X	.388	.388	0	%100
52	MP2A	Z	.673	.673	0	%100
53	MP3A	X	.321	.321	0	%100
54	MP3A	Z	.556	.556	0	%100
55	MP4A	X	.321	.321	0	%100
56	MP4A	Z	.556	.556	0	%100
57	MP1B	X	.321	.321	0	%100
58	MP1B	Z	.556	.556	0	%100
59	MP2B	X	.388	.388	0	%100
60	MP2B	Z	.673	.673	0	%100
61	MP3B	X	.321	.321	0	%100
62	MP3B	Z	.556	.556	0	%100
63	MP4B	X	.321	.321	0	%100
64	MP4B	Z	.556	.556	0	%100
65	MP1C	X	.321	.321	0	%100
66	MP1C	Z	.556	.556	0	%100
67	MP2C	X	.388	.388	0	%100
68	MP2C	Z	.673	.673	0	%100
69	MP3C	X	.321	.321	0	%100
70	MP3C	Z	.556	.556	0	%100
71	MP4C	X	.321	.321	0	%100
72	MP4C	Z	.556	.556	0	%100
73	M49	X	.321	.321	0	%100
74	M49	Z	.556	.556	0	%100
75	M50	X	.321	.321	0	%100
76	M50	Z	.556	.556	0	%100
77	M51	X	.321	.321	0	%100
78	M51	Z	.556	.556	0	%100
79	M52	X	.321	.321	0	%100
80	M52	Z	.556	.556	0	%100
81	M61	X	.08	.08	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
82	M61	Z	.139	.139	0	%100
83	M63	X	.543	.543	0	%100
84	M63	Z	.941	.941	0	%100
85	M69	X	.241	.241	0	%100
86	M69	Z	.417	.417	0	%100
87	M71	X	.288	.288	0	%100
88	M71	Z	.498	.498	0	%100
89	M77	X	.08	.08	0	%100
90	M77	Z	.139	.139	0	%100
91	M79	X	.543	.543	0	%100
92	M79	Z	.941	.941	0	%100
93	M85	X	.241	.241	0	%100
94	M85	Z	.417	.417	0	%100
95	M87	X	.288	.288	0	%100
96	M87	Z	.498	.498	0	%100
97	M98	X	.039	.039	0	%100
98	M98	Z	.067	.067	0	%100
99	M101	X	.537	.537	0	%100
100	M101	Z	.93	.93	0	%100
101	M104	X	.039	.039	0	%100
102	M104	Z	.067	.067	0	%100
103	M107	X	.537	.537	0	%100
104	M107	Z	.93	.93	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.563	.563	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.563	.563	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.563	.563	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.563	.563	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	1.126	1.126	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	1.126	1.126	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	1.351	1.351	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	1.351	1.351	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	.805	.805	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	.805	.805	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	.805	.805	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
31	M16	X	0	0	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	.805	.805	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	.805	.805	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	.805	.805	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	0	0	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	.642	.642	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	.777	.777	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	.642	.642	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	.642	.642	0	%100
57	MP1B	X	0	0	0	%100
58	MP1B	Z	.642	.642	0	%100
59	MP2B	X	0	0	0	%100
60	MP2B	Z	.777	.777	0	%100
61	MP3B	X	0	0	0	%100
62	MP3B	Z	.642	.642	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	.642	.642	0	%100
65	MP1C	X	0	0	0	%100
66	MP1C	Z	.642	.642	0	%100
67	MP2C	X	0	0	0	%100
68	MP2C	Z	.777	.777	0	%100
69	MP3C	X	0	0	0	%100
70	MP3C	Z	.642	.642	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	.642	.642	0	%100
73	M49	X	0	0	0	%100
74	M49	Z	.642	.642	0	%100
75	M50	X	0	0	0	%100
76	M50	Z	.642	.642	0	%100
77	M51	X	0	0	0	%100
78	M51	Z	.642	.642	0	%100
79	M52	X	0	0	0	%100
80	M52	Z	.642	.642	0	%100
81	M61	X	0	0	0	%100
82	M61	Z	0	0	0	%100
83	M63	X	0	0	0	%100
84	M63	Z	.831	.831	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	.642	.642	0	%100
87	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
88	M71	Z	.831	.831	0	%100
89	M77	X	0	0	0	%100
90	M77	Z	0	0	0	%100
91	M79	X	0	0	0	%100
92	M79	Z	.831	.831	0	%100
93	M85	X	0	0	0	%100
94	M85	Z	.642	.642	0	%100
95	M87	X	0	0	0	%100
96	M87	Z	.831	.831	0	%100
97	M98	X	0	0	0	%100
98	M98	Z	.575	.575	0	%100
99	M101	X	0	0	0	%100
100	M101	Z	.575	.575	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	.575	.575	0	%100
103	M107	X	0	0	0	%100
104	M107	Z	.575	.575	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.525	-.525	0	%100
2	M1	Z	.91	.91	0	%100
3	M2	X	-.038	-.038	0	%100
4	M2	Z	.065	.065	0	%100
5	M3	X	-.525	-.525	0	%100
6	M3	Z	.91	.91	0	%100
7	M4	X	-.038	-.038	0	%100
8	M4	Z	.065	.065	0	%100
9	M5	X	-.422	-.422	0	%100
10	M5	Z	.731	.731	0	%100
11	M6	X	-.141	-.141	0	%100
12	M6	Z	.244	.244	0	%100
13	M7	X	-.422	-.422	0	%100
14	M7	Z	.731	.731	0	%100
15	M8	X	-.141	-.141	0	%100
16	M8	Z	.244	.244	0	%100
17	M9	X	-.507	-.507	0	%100
18	M9	Z	.877	.877	0	%100
19	M10	X	-.169	-.169	0	%100
20	M10	Z	.292	.292	0	%100
21	M11	X	-.507	-.507	0	%100
22	M11	Z	.877	.877	0	%100
23	M12	X	-.169	-.169	0	%100
24	M12	Z	.292	.292	0	%100
25	M13	X	-.302	-.302	0	%100
26	M13	Z	.523	.523	0	%100
27	M14	X	-.302	-.302	0	%100
28	M14	Z	.523	.523	0	%100
29	M15	X	-.302	-.302	0	%100
30	M15	Z	.523	.523	0	%100
31	M16	X	-.101	-.101	0	%100
32	M16	Z	.174	.174	0	%100
33	M17	X	-.101	-.101	0	%100
34	M17	Z	.174	.174	0	%100
35	M18	X	-.101	-.101	0	%100
36	M18	Z	.174	.174	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
37	M19	X	-.302	-.302	0	%100
38	M19	Z	.523	.523	0	%100
39	M20	X	-.302	-.302	0	%100
40	M20	Z	.523	.523	0	%100
41	M21	X	-.302	-.302	0	%100
42	M21	Z	.523	.523	0	%100
43	M22	X	-.101	-.101	0	%100
44	M22	Z	.174	.174	0	%100
45	M23	X	-.101	-.101	0	%100
46	M23	Z	.174	.174	0	%100
47	M24	X	-.101	-.101	0	%100
48	M24	Z	.174	.174	0	%100
49	MP1A	X	-.321	-.321	0	%100
50	MP1A	Z	.556	.556	0	%100
51	MP2A	X	-.388	-.388	0	%100
52	MP2A	Z	.673	.673	0	%100
53	MP3A	X	-.321	-.321	0	%100
54	MP3A	Z	.556	.556	0	%100
55	MP4A	X	-.321	-.321	0	%100
56	MP4A	Z	.556	.556	0	%100
57	MP1B	X	-.321	-.321	0	%100
58	MP1B	Z	.556	.556	0	%100
59	MP2B	X	-.388	-.388	0	%100
60	MP2B	Z	.673	.673	0	%100
61	MP3B	X	-.321	-.321	0	%100
62	MP3B	Z	.556	.556	0	%100
63	MP4B	X	-.321	-.321	0	%100
64	MP4B	Z	.556	.556	0	%100
65	MP1C	X	-.321	-.321	0	%100
66	MP1C	Z	.556	.556	0	%100
67	MP2C	X	-.388	-.388	0	%100
68	MP2C	Z	.673	.673	0	%100
69	MP3C	X	-.321	-.321	0	%100
70	MP3C	Z	.556	.556	0	%100
71	MP4C	X	-.321	-.321	0	%100
72	MP4C	Z	.556	.556	0	%100
73	M49	X	-.321	-.321	0	%100
74	M49	Z	.556	.556	0	%100
75	M50	X	-.321	-.321	0	%100
76	M50	Z	.556	.556	0	%100
77	M51	X	-.321	-.321	0	%100
78	M51	Z	.556	.556	0	%100
79	M52	X	-.321	-.321	0	%100
80	M52	Z	.556	.556	0	%100
81	M61	X	-.08	-.08	0	%100
82	M61	Z	.139	.139	0	%100
83	M63	X	-.288	-.288	0	%100
84	M63	Z	.498	.498	0	%100
85	M69	X	-.241	-.241	0	%100
86	M69	Z	.417	.417	0	%100
87	M71	X	-.543	-.543	0	%100
88	M71	Z	.941	.941	0	%100
89	M77	X	-.08	-.08	0	%100
90	M77	Z	.139	.139	0	%100
91	M79	X	-.288	-.288	0	%100
92	M79	Z	.498	.498	0	%100
93	M85	X	-.241	-.241	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
94	M85	Z	.417	.417	0	%100
95	M87	X	-.543	-.543	0	%100
96	M87	Z	.941	.941	0	%100
97	M98	X	-.537	-.537	0	%100
98	M98	Z	.93	.93	0	%100
99	M101	X	-.039	-.039	0	%100
100	M101	Z	.067	.067	0	%100
101	M104	X	-.537	-.537	0	%100
102	M104	Z	.93	.93	0	%100
103	M107	X	-.039	-.039	0	%100
104	M107	Z	.067	.067	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.91	-.91	0	%100
2	M1	Z	.525	.525	0	%100
3	M2	X	-.065	-.065	0	%100
4	M2	Z	.038	.038	0	%100
5	M3	X	-.91	-.91	0	%100
6	M3	Z	.525	.525	0	%100
7	M4	X	-.065	-.065	0	%100
8	M4	Z	.038	.038	0	%100
9	M5	X	-.244	-.244	0	%100
10	M5	Z	.141	.141	0	%100
11	M6	X	-.731	-.731	0	%100
12	M6	Z	.422	.422	0	%100
13	M7	X	-.244	-.244	0	%100
14	M7	Z	.141	.141	0	%100
15	M8	X	-.731	-.731	0	%100
16	M8	Z	.422	.422	0	%100
17	M9	X	-.292	-.292	0	%100
18	M9	Z	.169	.169	0	%100
19	M10	X	-.877	-.877	0	%100
20	M10	Z	.507	.507	0	%100
21	M11	X	-.292	-.292	0	%100
22	M11	Z	.169	.169	0	%100
23	M12	X	-.877	-.877	0	%100
24	M12	Z	.507	.507	0	%100
25	M13	X	-.174	-.174	0	%100
26	M13	Z	.101	.101	0	%100
27	M14	X	-.174	-.174	0	%100
28	M14	Z	.101	.101	0	%100
29	M15	X	-.174	-.174	0	%100
30	M15	Z	.101	.101	0	%100
31	M16	X	-.523	-.523	0	%100
32	M16	Z	.302	.302	0	%100
33	M17	X	-.523	-.523	0	%100
34	M17	Z	.302	.302	0	%100
35	M18	X	-.523	-.523	0	%100
36	M18	Z	.302	.302	0	%100
37	M19	X	-.174	-.174	0	%100
38	M19	Z	.101	.101	0	%100
39	M20	X	-.174	-.174	0	%100
40	M20	Z	.101	.101	0	%100
41	M21	X	-.174	-.174	0	%100
42	M21	Z	.101	.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
43	M22	X	-.523	-.523	0	%100
44	M22	Z	.302	.302	0	%100
45	M23	X	-.523	-.523	0	%100
46	M23	Z	.302	.302	0	%100
47	M24	X	-.523	-.523	0	%100
48	M24	Z	.302	.302	0	%100
49	MP1A	X	-.556	-.556	0	%100
50	MP1A	Z	.321	.321	0	%100
51	MP2A	X	-.673	-.673	0	%100
52	MP2A	Z	.388	.388	0	%100
53	MP3A	X	-.556	-.556	0	%100
54	MP3A	Z	.321	.321	0	%100
55	MP4A	X	-.556	-.556	0	%100
56	MP4A	Z	.321	.321	0	%100
57	MP1B	X	-.556	-.556	0	%100
58	MP1B	Z	.321	.321	0	%100
59	MP2B	X	-.673	-.673	0	%100
60	MP2B	Z	.388	.388	0	%100
61	MP3B	X	-.556	-.556	0	%100
62	MP3B	Z	.321	.321	0	%100
63	MP4B	X	-.556	-.556	0	%100
64	MP4B	Z	.321	.321	0	%100
65	MP1C	X	-.556	-.556	0	%100
66	MP1C	Z	.321	.321	0	%100
67	MP2C	X	-.673	-.673	0	%100
68	MP2C	Z	.388	.388	0	%100
69	MP3C	X	-.556	-.556	0	%100
70	MP3C	Z	.321	.321	0	%100
71	MP4C	X	-.556	-.556	0	%100
72	MP4C	Z	.321	.321	0	%100
73	M49	X	-.556	-.556	0	%100
74	M49	Z	.321	.321	0	%100
75	M50	X	-.556	-.556	0	%100
76	M50	Z	.321	.321	0	%100
77	M51	X	-.556	-.556	0	%100
78	M51	Z	.321	.321	0	%100
79	M52	X	-.556	-.556	0	%100
80	M52	Z	.321	.321	0	%100
81	M61	X	-.417	-.417	0	%100
82	M61	Z	.241	.241	0	%100
83	M63	X	-.498	-.498	0	%100
84	M63	Z	.288	.288	0	%100
85	M69	X	-.139	-.139	0	%100
86	M69	Z	.08	.08	0	%100
87	M71	X	-.941	-.941	0	%100
88	M71	Z	.543	.543	0	%100
89	M77	X	-.417	-.417	0	%100
90	M77	Z	.241	.241	0	%100
91	M79	X	-.498	-.498	0	%100
92	M79	Z	.288	.288	0	%100
93	M85	X	-.139	-.139	0	%100
94	M85	Z	.08	.08	0	%100
95	M87	X	-.941	-.941	0	%100
96	M87	Z	.543	.543	0	%100
97	M98	X	-.93	-.93	0	%100
98	M98	Z	.537	.537	0	%100
99	M101	X	-.067	-.067	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
100	M101	Z	.039	.039	0	%100
101	M104	X	-.93	-.93	0	%100
102	M104	Z	.537	.537	0	%100
103	M107	X	-.067	-.067	0	%100
104	M107	Z	.039	.039	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.563	-.563	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.563	-.563	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.563	-.563	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.563	-.563	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-1.126	-1.126	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-1.126	-1.126	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-1.351	-1.351	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-1.351	-1.351	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	-.805	-.805	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-.805	-.805	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-.805	-.805	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-.805	-.805	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-.805	-.805	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-.805	-.805	0	%100
48	M24	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
49	MP1A	X	-.642	-.642	0	%100
50	MP1A	Z	0	0	0	%100
51	MP2A	X	-.777	-.777	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-.642	-.642	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	-.642	-.642	0	%100
56	MP4A	Z	0	0	0	%100
57	MP1B	X	-.642	-.642	0	%100
58	MP1B	Z	0	0	0	%100
59	MP2B	X	-.777	-.777	0	%100
60	MP2B	Z	0	0	0	%100
61	MP3B	X	-.642	-.642	0	%100
62	MP3B	Z	0	0	0	%100
63	MP4B	X	-.642	-.642	0	%100
64	MP4B	Z	0	0	0	%100
65	MP1C	X	-.642	-.642	0	%100
66	MP1C	Z	0	0	0	%100
67	MP2C	X	-.777	-.777	0	%100
68	MP2C	Z	0	0	0	%100
69	MP3C	X	-.642	-.642	0	%100
70	MP3C	Z	0	0	0	%100
71	MP4C	X	-.642	-.642	0	%100
72	MP4C	Z	0	0	0	%100
73	M49	X	-.642	-.642	0	%100
74	M49	Z	0	0	0	%100
75	M50	X	-.642	-.642	0	%100
76	M50	Z	0	0	0	%100
77	M51	X	-.642	-.642	0	%100
78	M51	Z	0	0	0	%100
79	M52	X	-.642	-.642	0	%100
80	M52	Z	0	0	0	%100
81	M61	X	-.642	-.642	0	%100
82	M61	Z	0	0	0	%100
83	M63	X	-.831	-.831	0	%100
84	M63	Z	0	0	0	%100
85	M69	X	0	0	0	%100
86	M69	Z	0	0	0	%100
87	M71	X	-.831	-.831	0	%100
88	M71	Z	0	0	0	%100
89	M77	X	-.642	-.642	0	%100
90	M77	Z	0	0	0	%100
91	M79	X	-.831	-.831	0	%100
92	M79	Z	0	0	0	%100
93	M85	X	0	0	0	%100
94	M85	Z	0	0	0	%100
95	M87	X	-.831	-.831	0	%100
96	M87	Z	0	0	0	%100
97	M98	X	-.575	-.575	0	%100
98	M98	Z	0	0	0	%100
99	M101	X	-.575	-.575	0	%100
100	M101	Z	0	0	0	%100
101	M104	X	-.575	-.575	0	%100
102	M104	Z	0	0	0	%100
103	M107	X	-.575	-.575	0	%100
104	M107	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[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.065	-.065	0	%100
2	M1	Z	-.038	-.038	0	%100
3	M2	X	-.91	-.91	0	%100
4	M2	Z	-.525	-.525	0	%100
5	M3	X	-.065	-.065	0	%100
6	M3	Z	-.038	-.038	0	%100
7	M4	X	-.91	-.91	0	%100
8	M4	Z	-.525	-.525	0	%100
9	M5	X	-.244	-.244	0	%100
10	M5	Z	-.141	-.141	0	%100
11	M6	X	-.731	-.731	0	%100
12	M6	Z	-.422	-.422	0	%100
13	M7	X	-.244	-.244	0	%100
14	M7	Z	-.141	-.141	0	%100
15	M8	X	-.731	-.731	0	%100
16	M8	Z	-.422	-.422	0	%100
17	M9	X	-.292	-.292	0	%100
18	M9	Z	-.169	-.169	0	%100
19	M10	X	-.877	-.877	0	%100
20	M10	Z	-.507	-.507	0	%100
21	M11	X	-.292	-.292	0	%100
22	M11	Z	-.169	-.169	0	%100
23	M12	X	-.877	-.877	0	%100
24	M12	Z	-.507	-.507	0	%100
25	M13	X	-.174	-.174	0	%100
26	M13	Z	-.101	-.101	0	%100
27	M14	X	-.174	-.174	0	%100
28	M14	Z	-.101	-.101	0	%100
29	M15	X	-.174	-.174	0	%100
30	M15	Z	-.101	-.101	0	%100
31	M16	X	-.523	-.523	0	%100
32	M16	Z	-.302	-.302	0	%100
33	M17	X	-.523	-.523	0	%100
34	M17	Z	-.302	-.302	0	%100
35	M18	X	-.523	-.523	0	%100
36	M18	Z	-.302	-.302	0	%100
37	M19	X	-.174	-.174	0	%100
38	M19	Z	-.101	-.101	0	%100
39	M20	X	-.174	-.174	0	%100
40	M20	Z	-.101	-.101	0	%100
41	M21	X	-.174	-.174	0	%100
42	M21	Z	-.101	-.101	0	%100
43	M22	X	-.523	-.523	0	%100
44	M22	Z	-.302	-.302	0	%100
45	M23	X	-.523	-.523	0	%100
46	M23	Z	-.302	-.302	0	%100
47	M24	X	-.523	-.523	0	%100
48	M24	Z	-.302	-.302	0	%100
49	MP1A	X	-.556	-.556	0	%100
50	MP1A	Z	-.321	-.321	0	%100
51	MP2A	X	-.673	-.673	0	%100
52	MP2A	Z	-.388	-.388	0	%100
53	MP3A	X	-.556	-.556	0	%100
54	MP3A	Z	-.321	-.321	0	%100
55	MP4A	X	-.556	-.556	0	%100
56	MP4A	Z	-.321	-.321	0	%100
57	MP1B	X	-.556	-.556	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
58	MP1B	Z	-.321	-.321	0	%100
59	MP2B	X	-.673	-.673	0	%100
60	MP2B	Z	-.388	-.388	0	%100
61	MP3B	X	-.556	-.556	0	%100
62	MP3B	Z	-.321	-.321	0	%100
63	MP4B	X	-.556	-.556	0	%100
64	MP4B	Z	-.321	-.321	0	%100
65	MP1C	X	-.556	-.556	0	%100
66	MP1C	Z	-.321	-.321	0	%100
67	MP2C	X	-.673	-.673	0	%100
68	MP2C	Z	-.388	-.388	0	%100
69	MP3C	X	-.556	-.556	0	%100
70	MP3C	Z	-.321	-.321	0	%100
71	MP4C	X	-.556	-.556	0	%100
72	MP4C	Z	-.321	-.321	0	%100
73	M49	X	-.556	-.556	0	%100
74	M49	Z	-.321	-.321	0	%100
75	M50	X	-.556	-.556	0	%100
76	M50	Z	-.321	-.321	0	%100
77	M51	X	-.556	-.556	0	%100
78	M51	Z	-.321	-.321	0	%100
79	M52	X	-.556	-.556	0	%100
80	M52	Z	-.321	-.321	0	%100
81	M61	X	-.417	-.417	0	%100
82	M61	Z	-.241	-.241	0	%100
83	M63	X	-.941	-.941	0	%100
84	M63	Z	-.543	-.543	0	%100
85	M69	X	-.139	-.139	0	%100
86	M69	Z	-.08	-.08	0	%100
87	M71	X	-.498	-.498	0	%100
88	M71	Z	-.288	-.288	0	%100
89	M77	X	-.417	-.417	0	%100
90	M77	Z	-.241	-.241	0	%100
91	M79	X	-.941	-.941	0	%100
92	M79	Z	-.543	-.543	0	%100
93	M85	X	-.139	-.139	0	%100
94	M85	Z	-.08	-.08	0	%100
95	M87	X	-.498	-.498	0	%100
96	M87	Z	-.288	-.288	0	%100
97	M98	X	-.067	-.067	0	%100
98	M98	Z	-.039	-.039	0	%100
99	M101	X	-.93	-.93	0	%100
100	M101	Z	-.537	-.537	0	%100
101	M104	X	-.067	-.067	0	%100
102	M104	Z	-.039	-.039	0	%100
103	M107	X	-.93	-.93	0	%100
104	M107	Z	-.537	-.537	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.038	-.038	0	%100
2	M1	Z	-.065	-.065	0	%100
3	M2	X	-.525	-.525	0	%100
4	M2	Z	-.91	-.91	0	%100
5	M3	X	-.038	-.038	0	%100
6	M3	Z	-.065	-.065	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
7	M4	X	-.525	-.525	0	%100
8	M4	Z	-.91	-.91	0	%100
9	M5	X	-.422	-.422	0	%100
10	M5	Z	-.731	-.731	0	%100
11	M6	X	-.141	-.141	0	%100
12	M6	Z	-.244	-.244	0	%100
13	M7	X	-.422	-.422	0	%100
14	M7	Z	-.731	-.731	0	%100
15	M8	X	-.141	-.141	0	%100
16	M8	Z	-.244	-.244	0	%100
17	M9	X	-.507	-.507	0	%100
18	M9	Z	-.877	-.877	0	%100
19	M10	X	-.169	-.169	0	%100
20	M10	Z	-.292	-.292	0	%100
21	M11	X	-.507	-.507	0	%100
22	M11	Z	-.877	-.877	0	%100
23	M12	X	-.169	-.169	0	%100
24	M12	Z	-.292	-.292	0	%100
25	M13	X	-.302	-.302	0	%100
26	M13	Z	-.523	-.523	0	%100
27	M14	X	-.302	-.302	0	%100
28	M14	Z	-.523	-.523	0	%100
29	M15	X	-.302	-.302	0	%100
30	M15	Z	-.523	-.523	0	%100
31	M16	X	-.101	-.101	0	%100
32	M16	Z	-.174	-.174	0	%100
33	M17	X	-.101	-.101	0	%100
34	M17	Z	-.174	-.174	0	%100
35	M18	X	-.101	-.101	0	%100
36	M18	Z	-.174	-.174	0	%100
37	M19	X	-.302	-.302	0	%100
38	M19	Z	-.523	-.523	0	%100
39	M20	X	-.302	-.302	0	%100
40	M20	Z	-.523	-.523	0	%100
41	M21	X	-.302	-.302	0	%100
42	M21	Z	-.523	-.523	0	%100
43	M22	X	-.101	-.101	0	%100
44	M22	Z	-.174	-.174	0	%100
45	M23	X	-.101	-.101	0	%100
46	M23	Z	-.174	-.174	0	%100
47	M24	X	-.101	-.101	0	%100
48	M24	Z	-.174	-.174	0	%100
49	MP1A	X	-.321	-.321	0	%100
50	MP1A	Z	-.556	-.556	0	%100
51	MP2A	X	-.388	-.388	0	%100
52	MP2A	Z	-.673	-.673	0	%100
53	MP3A	X	-.321	-.321	0	%100
54	MP3A	Z	-.556	-.556	0	%100
55	MP4A	X	-.321	-.321	0	%100
56	MP4A	Z	-.556	-.556	0	%100
57	MP1B	X	-.321	-.321	0	%100
58	MP1B	Z	-.556	-.556	0	%100
59	MP2B	X	-.388	-.388	0	%100
60	MP2B	Z	-.673	-.673	0	%100
61	MP3B	X	-.321	-.321	0	%100
62	MP3B	Z	-.556	-.556	0	%100
63	MP4B	X	-.321	-.321	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
64	MP4B	Z	-.556	-.556	0	%100
65	MP1C	X	-.321	-.321	0	%100
66	MP1C	Z	-.556	-.556	0	%100
67	MP2C	X	-.388	-.388	0	%100
68	MP2C	Z	-.673	-.673	0	%100
69	MP3C	X	-.321	-.321	0	%100
70	MP3C	Z	-.556	-.556	0	%100
71	MP4C	X	-.321	-.321	0	%100
72	MP4C	Z	-.556	-.556	0	%100
73	M49	X	-.321	-.321	0	%100
74	M49	Z	-.556	-.556	0	%100
75	M50	X	-.321	-.321	0	%100
76	M50	Z	-.556	-.556	0	%100
77	M51	X	-.321	-.321	0	%100
78	M51	Z	-.556	-.556	0	%100
79	M52	X	-.321	-.321	0	%100
80	M52	Z	-.556	-.556	0	%100
81	M61	X	-.08	-.08	0	%100
82	M61	Z	-.139	-.139	0	%100
83	M63	X	-.543	-.543	0	%100
84	M63	Z	-.941	-.941	0	%100
85	M69	X	-.241	-.241	0	%100
86	M69	Z	-.417	-.417	0	%100
87	M71	X	-.288	-.288	0	%100
88	M71	Z	-.498	-.498	0	%100
89	M77	X	-.08	-.08	0	%100
90	M77	Z	-.139	-.139	0	%100
91	M79	X	-.543	-.543	0	%100
92	M79	Z	-.941	-.941	0	%100
93	M85	X	-.241	-.241	0	%100
94	M85	Z	-.417	-.417	0	%100
95	M87	X	-.288	-.288	0	%100
96	M87	Z	-.498	-.498	0	%100
97	M98	X	-.039	-.039	0	%100
98	M98	Z	-.067	-.067	0	%100
99	M101	X	-.537	-.537	0	%100
100	M101	Z	-.93	-.93	0	%100
101	M104	X	-.039	-.039	0	%100
102	M104	Z	-.067	-.067	0	%100
103	M107	X	-.537	-.537	0	%100
104	M107	Z	-.93	-.93	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M2	Y	-5.015	-5.917	3.75	5.312
2	M2	Y	-5.917	-4.371	5.312	6.875
3	M2	Y	-4.371	-.404	6.875	8.437
4	M3	Y	-.313	-1.219	2.812	3.75
5	M3	Y	-1.219	-5.243	3.75	4.687
6	M3	Y	-5.243	-9.516	4.687	5.625
7	M3	Y	-9.516	-7.055	5.625	6.562
8	M3	Y	-7.055	-.313	6.562	7.5
9	M6	Y	-5.225	-6.237	0	2.257
10	M6	Y	-6.237	-6.047	2.257	4.514
11	M6	Y	-6.047	-9.943	4.514	6.771
12	M6	Y	-9.943	-11.207	6.771	9.028

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
13	M6	Y	-11.207	-6.077	9.028	11.285
14	M6	Y	-6.077	-2.474	11.285	13.542
15	M10	Y	-1.329	-8.257	0	1.467
16	M10	Y	-8.257	-9.628	1.467	2.933
17	M10	Y	-9.628	-11.892	2.933	4.4
18	M10	Y	-11.892	-11.057	4.4	5.867
19	M10	Y	-11.057	-.848	5.867	7.333
20	M13	Y	-5.006	-11.919	0	.621
21	M13	Y	-11.919	-14.299	.621	1.242
22	M13	Y	-14.299	-20.125	1.242	1.862
23	M13	Y	-20.125	-18.097	1.862	2.483
24	M13	Y	-18.097	-1.148	2.483	3.104
25	M14	Y	-.63	-15.146	.31	1.707
26	M14	Y	-15.146	-29.662	1.707	3.104
27	M15	Y	-3.166	-8.135	0	.559
28	M15	Y	-8.135	-14.797	.559	1.117
29	M15	Y	-14.797	-26.565	1.117	1.676
30	M15	Y	-26.565	-17.202	1.676	2.235
31	M15	Y	-17.202	-.248	2.235	2.794
32	M3	Y	-5.015	-5.917	3.75	5.312
33	M3	Y	-5.917	-4.371	5.312	6.875
34	M3	Y	-4.371	-.404	6.875	8.437
35	M4	Y	-.313	-1.219	2.812	3.75
36	M4	Y	-1.219	-5.243	3.75	4.687
37	M4	Y	-5.243	-9.516	4.687	5.625
38	M4	Y	-9.516	-7.055	5.625	6.562
39	M4	Y	-7.055	-.313	6.562	7.5
40	M7	Y	-5.225	-6.237	0	2.257
41	M7	Y	-6.237	-6.047	2.257	4.514
42	M7	Y	-6.047	-9.943	4.514	6.771
43	M7	Y	-9.943	-11.207	6.771	9.028
44	M7	Y	-11.207	-6.077	9.028	11.285
45	M7	Y	-6.077	-2.474	11.285	13.542
46	M11	Y	-1.329	-8.257	0	1.467
47	M11	Y	-8.257	-9.628	1.467	2.933
48	M11	Y	-9.628	-11.892	2.933	4.4
49	M11	Y	-11.892	-11.057	4.4	5.867
50	M11	Y	-11.057	-.848	5.867	7.333
51	M16	Y	-5.006	-11.919	0	.621
52	M16	Y	-11.919	-14.299	.621	1.242
53	M16	Y	-14.299	-20.125	1.242	1.862
54	M16	Y	-20.125	-18.097	1.862	2.483
55	M16	Y	-18.097	-1.148	2.483	3.104
56	M17	Y	-.63	-15.146	.31	1.707
57	M17	Y	-15.146	-29.662	1.707	3.104
58	M18	Y	-3.166	-8.135	0	.559
59	M18	Y	-8.135	-14.797	.559	1.117
60	M18	Y	-14.797	-26.565	1.117	1.676
61	M18	Y	-26.565	-17.202	1.676	2.235
62	M18	Y	-17.202	-.248	2.235	2.794
63	M1	Y	-.313	-1.219	2.812	3.75
64	M1	Y	-1.219	-5.243	3.75	4.687
65	M1	Y	-5.243	-9.516	4.687	5.625
66	M1	Y	-9.516	-7.055	5.625	6.562
67	M1	Y	-7.055	-.313	6.562	7.5
68	M4	Y	-5.015	-5.917	3.75	5.312
69	M4	Y	-5.917	-4.371	5.312	6.875

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
70	M4	Y	-4.371	-.404	6.875	8.437
71	M8	Y	-5.225	-6.237	0	2.257
72	M8	Y	-6.237	-6.047	2.257	4.514
73	M8	Y	-6.047	-9.943	4.514	6.771
74	M8	Y	-9.943	-11.207	6.771	9.028
75	M8	Y	-11.207	-6.077	9.028	11.285
76	M8	Y	-6.077	-2.474	11.285	13.542
77	M12	Y	-1.329	-8.257	0	1.467
78	M12	Y	-8.257	-9.628	1.467	2.933
79	M12	Y	-9.628	-11.892	2.933	4.4
80	M12	Y	-11.892	-11.057	4.4	5.867
81	M12	Y	-11.057	-.848	5.867	7.333
82	M19	Y	-5.006	-11.919	0	.621
83	M19	Y	-11.919	-14.299	.621	1.242
84	M19	Y	-14.299	-20.125	1.242	1.862
85	M19	Y	-20.125	-18.097	1.862	2.483
86	M19	Y	-18.097	-1.148	2.483	3.104
87	M20	Y	-.63	-15.146	.31	1.707
88	M20	Y	-15.146	-29.662	1.707	3.104
89	M21	Y	-3.166	-8.135	0	.559
90	M21	Y	-8.135	-14.797	.559	1.117
91	M21	Y	-14.797	-26.565	1.117	1.676
92	M21	Y	-26.565	-17.202	1.676	2.235
93	M21	Y	-17.202	-.248	2.235	2.794
94	M1	Y	-5.015	-5.917	3.75	5.312
95	M1	Y	-5.917	-4.371	5.312	6.875
96	M1	Y	-4.371	-.404	6.875	8.437
97	M2	Y	-.313	-1.219	2.812	3.75
98	M2	Y	-1.219	-5.243	3.75	4.687
99	M2	Y	-5.243	-9.516	4.687	5.625
100	M2	Y	-9.516	-7.055	5.625	6.562
101	M2	Y	-7.055	-.313	6.562	7.5
102	M5	Y	-5.225	-6.237	0	2.257
103	M5	Y	-6.237	-6.047	2.257	4.514
104	M5	Y	-6.047	-9.943	4.514	6.771
105	M5	Y	-9.943	-11.207	6.771	9.028
106	M5	Y	-11.207	-6.077	9.028	11.285
107	M5	Y	-6.077	-2.474	11.285	13.542
108	M9	Y	-1.329	-8.257	0	1.467
109	M9	Y	-8.257	-9.628	1.467	2.933
110	M9	Y	-9.628	-11.892	2.933	4.4
111	M9	Y	-11.892	-11.057	4.4	5.867
112	M9	Y	-11.057	-.848	5.867	7.333
113	M22	Y	-5.006	-11.919	0	.621
114	M22	Y	-11.919	-14.299	.621	1.242
115	M22	Y	-14.299	-20.125	1.242	1.862
116	M22	Y	-20.125	-18.097	1.862	2.483
117	M22	Y	-18.097	-1.148	2.483	3.104
118	M23	Y	-.63	-15.146	.31	1.707
119	M23	Y	-15.146	-29.662	1.707	3.104
120	M24	Y	-3.166	-8.135	0	.559
121	M24	Y	-8.135	-14.797	.559	1.117
122	M24	Y	-14.797	-26.565	1.117	1.676
123	M24	Y	-26.565	-17.202	1.676	2.235
124	M24	Y	-17.202	-.248	2.235	2.794

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M2	Y	-8.024	-9.466	3.75	5.312
2	M2	Y	-9.466	-6.994	5.312	6.875
3	M2	Y	-6.994	-.646	6.875	8.437
4	M3	Y	-.5	-1.95	2.812	3.75
5	M3	Y	-1.95	-8.389	3.75	4.687
6	M3	Y	-8.389	-15.226	4.687	5.625
7	M3	Y	-15.226	-11.288	5.625	6.562
8	M3	Y	-11.288	-.5	6.562	7.5
9	M6	Y	-8.36	-9.979	0	2.257
10	M6	Y	-9.979	-9.676	2.257	4.514
11	M6	Y	-9.676	-15.909	4.514	6.771
12	M6	Y	-15.909	-17.931	6.771	9.028
13	M6	Y	-17.931	-9.724	9.028	11.285
14	M6	Y	-9.724	-3.958	11.285	13.542
15	M10	Y	-2.126	-13.211	0	1.467
16	M10	Y	-13.211	-15.405	1.467	2.933
17	M10	Y	-15.405	-19.027	2.933	4.4
18	M10	Y	-19.027	-17.691	4.4	5.867
19	M10	Y	-17.691	-1.357	5.867	7.333
20	M13	Y	-8.01	-19.07	0	.621
21	M13	Y	-19.07	-22.878	.621	1.242
22	M13	Y	-22.878	-32.2	1.242	1.862
23	M13	Y	-32.2	-28.955	1.862	2.483
24	M13	Y	-28.955	-1.836	2.483	3.104
25	M14	Y	-1.008	-24.234	.31	1.707
26	M14	Y	-24.234	-47.459	1.707	3.104
27	M15	Y	-5.066	-13.016	0	.559
28	M15	Y	-13.016	-23.674	.559	1.117
29	M15	Y	-23.674	-42.504	1.117	1.676
30	M15	Y	-42.504	-27.524	1.676	2.235
31	M15	Y	-27.524	-.397	2.235	2.794
32	M3	Y	-8.024	-9.466	3.75	5.312
33	M3	Y	-9.466	-6.994	5.312	6.875
34	M3	Y	-6.994	-.646	6.875	8.437
35	M4	Y	-.5	-1.95	2.812	3.75
36	M4	Y	-1.95	-8.389	3.75	4.687
37	M4	Y	-8.389	-15.226	4.687	5.625
38	M4	Y	-15.226	-11.288	5.625	6.562
39	M4	Y	-11.288	-.5	6.562	7.5
40	M7	Y	-8.36	-9.979	0	2.257
41	M7	Y	-9.979	-9.676	2.257	4.514
42	M7	Y	-9.676	-15.909	4.514	6.771
43	M7	Y	-15.909	-17.931	6.771	9.028
44	M7	Y	-17.931	-9.724	9.028	11.285
45	M7	Y	-9.724	-3.958	11.285	13.542
46	M11	Y	-2.126	-13.211	0	1.467
47	M11	Y	-13.211	-15.405	1.467	2.933
48	M11	Y	-15.405	-19.027	2.933	4.4
49	M11	Y	-19.027	-17.691	4.4	5.867
50	M11	Y	-17.691	-1.357	5.867	7.333
51	M16	Y	-8.01	-19.07	0	.621
52	M16	Y	-19.07	-22.878	.621	1.242
53	M16	Y	-22.878	-32.2	1.242	1.862
54	M16	Y	-32.2	-28.955	1.862	2.483
55	M16	Y	-28.955	-1.836	2.483	3.104
56	M17	Y	-1.008	-24.234	.31	1.707
57	M17	Y	-24.234	-47.459	1.707	3.104

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
58	M18	Y	-5.066	-13.016	0	.559
59	M18	Y	-13.016	-23.674	.559	1.117
60	M18	Y	-23.674	-42.504	1.117	1.676
61	M18	Y	-42.504	-27.524	1.676	2.235
62	M18	Y	-27.524	-.397	2.235	2.794
63	M1	Y	-.5	-1.95	2.812	3.75
64	M1	Y	-1.95	-8.389	3.75	4.687
65	M1	Y	-8.389	-15.226	4.687	5.625
66	M1	Y	-15.226	-11.288	5.625	6.562
67	M1	Y	-11.288	-.5	6.562	7.5
68	M4	Y	-8.024	-9.466	3.75	5.312
69	M4	Y	-9.466	-6.994	5.312	6.875
70	M4	Y	-6.994	-.646	6.875	8.437
71	M8	Y	-8.36	-9.979	0	2.257
72	M8	Y	-9.979	-9.676	2.257	4.514
73	M8	Y	-9.676	-15.909	4.514	6.771
74	M8	Y	-15.909	-17.931	6.771	9.028
75	M8	Y	-17.931	-9.724	9.028	11.285
76	M8	Y	-9.724	-3.958	11.285	13.542
77	M12	Y	-2.126	-13.211	0	1.467
78	M12	Y	-13.211	-15.405	1.467	2.933
79	M12	Y	-15.405	-19.027	2.933	4.4
80	M12	Y	-19.027	-17.691	4.4	5.867
81	M12	Y	-17.691	-1.357	5.867	7.333
82	M19	Y	-8.01	-19.07	0	.621
83	M19	Y	-19.07	-22.878	.621	1.242
84	M19	Y	-22.878	-32.2	1.242	1.862
85	M19	Y	-32.2	-28.955	1.862	2.483
86	M19	Y	-28.955	-1.836	2.483	3.104
87	M20	Y	-1.008	-24.234	.31	1.707
88	M20	Y	-24.234	-47.459	1.707	3.104
89	M21	Y	-5.066	-13.016	0	.559
90	M21	Y	-13.016	-23.674	.559	1.117
91	M21	Y	-23.674	-42.504	1.117	1.676
92	M21	Y	-42.504	-27.524	1.676	2.235
93	M21	Y	-27.524	-.397	2.235	2.794
94	M1	Y	-8.024	-9.466	3.75	5.312
95	M1	Y	-9.466	-6.994	5.312	6.875
96	M1	Y	-6.994	-.646	6.875	8.437
97	M2	Y	-.5	-1.95	2.812	3.75
98	M2	Y	-1.95	-8.389	3.75	4.687
99	M2	Y	-8.389	-15.226	4.687	5.625
100	M2	Y	-15.226	-11.288	5.625	6.562
101	M2	Y	-11.288	-.5	6.562	7.5
102	M5	Y	-8.36	-9.979	0	2.257
103	M5	Y	-9.979	-9.676	2.257	4.514
104	M5	Y	-9.676	-15.909	4.514	6.771
105	M5	Y	-15.909	-17.931	6.771	9.028
106	M5	Y	-17.931	-9.724	9.028	11.285
107	M5	Y	-9.724	-3.958	11.285	13.542
108	M9	Y	-2.126	-13.211	0	1.467
109	M9	Y	-13.211	-15.405	1.467	2.933
110	M9	Y	-15.405	-19.027	2.933	4.4
111	M9	Y	-19.027	-17.691	4.4	5.867
112	M9	Y	-17.691	-1.357	5.867	7.333
113	M22	Y	-8.01	-19.07	0	.621
114	M22	Y	-19.07	-22.878	.621	1.242

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
115	M22	Y	-22.878	-32.2	1.242	1.862
116	M22	Y	-32.2	-28.955	1.862	2.483
117	M22	Y	-28.955	-1.836	2.483	3.104
118	M23	Y	-1.008	-24.234	.31	1.707
119	M23	Y	-24.234	-47.459	1.707	3.104
120	M24	Y	-5.066	-13.016	0	.559
121	M24	Y	-13.016	-23.674	.559	1.117
122	M24	Y	-23.674	-42.504	1.117	1.676
123	M24	Y	-42.504	-27.524	1.676	2.235
124	M24	Y	-27.524	-.397	2.235	2.794

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N10	N11	N15	N14	Y	Two Way	-.01
2	N11	N12	N16	N15	Y	Two Way	-.01
3	N12	N9	N13	N16	Y	Two Way	-.01
4	N9	N10	N14	N13	Y	Two Way	-.01

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N10	N11	N15	N14	Y	Two Way	-.016
2	N11	N12	N16	N15	Y	Two Way	-.016
3	N12	N9	N13	N16	Y	Two Way	-.016
4	N9	N10	N14	N13	Y	Two Way	-.016

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	N5	m...	4082.502	11	478.006	18	4989.217	12	.731	17	2.022	1	.226	1
2		min	-2495.84	5	-113.772	12	-3393.013	6	-.228	11	-2.015	7	-.692	7
3	N7	m...	2933.337	8	461.606	20	3755.453	3	.762	21	1.69	1	.524	8
4		min	-4063.4...	2	-30.924	2	-2635.671	9	.101	3	-1.678	7	-.194	2
5	N1	m...	3206.311	11	497.443	24	2687.741	11	-.087	5	1.694	12	.565	12
6		min	-3996.0...	5	-18.966	5	-3447.472	5	-.843	23	-1.688	6	-.17	6
7	N3	m...	4609.196	9	490.388	15	3415.171	2	.191	10	2.014	12	.207	8
8		min	-3036.3...	3	-106.938	9	-5007.523	8	-.71	4	-1.999	6	-.665	2
9	N115	m...	3575.2	15	3103.594	15	-236.179	9	0	1	0	1	0	7
10		min	247.319	9	211.802	9	-3575.785	15	0	7	0	7	0	1
11	N130	m...	3549.872	17	3082.226	17	3550.67	17	0	1	0	1	0	1
12		min	77.788	11	68.464	11	66.496	11	0	7	0	7	0	7
13	N145	m...	-135.966	2	4004.807	20	4642.302	20	0	10	0	4	0	4
14		min	-4643.5...	20	127.08	2	147.05	2	0	4	0	10	0	10
15	N160	m...	-188.11	6	4053.864	24	-198.91	6	0	4	0	10	0	4
16		min	-4700.6...	24	171.023	6	-4701.3	24	0	10	0	4	0	10
17	Totals:	m...	7299.982	10	14799.35	19	7150.619	1						
18		min	-7299.9...	4	5463.072	1	-7150.625	7						

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

	Member	Shape	Code Che...	Loc[ft]	LC	Shear Che...	Loc[ft]	Dir	LC	phi*...	phi*...	phi*...	phi*...	...	Eqn
1	MP3B	PIPE_2.0	.540	6.109	1	.113	1.948		12	1351...	32130	1.872	1.872	2	H1-...
2	MP2C	PIPE_2.5	.508	6.094	8	.157	6.094		11	2613...	50715	3.596	3.596	...	H1-...
3	MP2B	PIPE_2.5	.501	6.094	5	.190	6.094		2	2613...	50715	3.596	3.596	...	H1-...
4	MP3A	PIPE_2.0	.500	6.109	11	.096	1.948		9	1351...	32130	1.872	1.872	...	H1-...

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

	Member	Shape	Code Che...	Loc[ft]	LC	Shear Che...	Loc[ft]	Dir	LC	phi*...	phi*...	phi*...	phi*...	...	Eqn
5	MP4B	PIPE_2.0	.495	6.109	2	.097	2.125		11	1351..	32130	1.872	1.872	...	H1-...
6	MP3C	PIPE_2.0	.479	6.109	3	.093	6.109		7	1351..	32130	1.872	1.872	...	H1-...
7	MP4A	PIPE_2.0	.478	6.109	11	.104	1.24		2	1351..	32130	1.872	1.872	...	H1-...
8	MP2A	PIPE_2.5	.461	6.094	4	.160	6.094		12	2613..	50715	3.596	3.596	...	H1-...
9	MP4C	PIPE_2.0	.446	6.109	3	.101	1.24		7	1351..	32130	1.872	1.872	...	H1-...
10	MP1B	PIPE_2.0	.442	6.109	6	.162	6.109		8	1351..	32130	1.872	1.872	...	H1-...
11	MP1C	PIPE_2.0	.438	6.109	9	.150	6.109		11	1351..	32130	1.872	1.872	...	H1-...
12	M13	L2x2x4	.427	3.104	4	.024	0	z	16	1878..	3058..	.691	1.577	...	H2-1
13	MP1A	PIPE_2.0	.420	6.109	4	.164	6.109		6	1351..	32130	1.872	1.872	...	H1-...
14	M16	L2x2x4	.420	3.104	7	.024	0	z	19	1878..	3058..	.691	1.577	...	H2-1
15	M11	L3X3X5	.396	0	7	.174	0	z	19	1764..	57672	2.015	4.502	...	H2-1
16	M14	L2x2x4	.396	3.104	4	.014	0	z	4	1878..	3058..	.691	1.577	...	H2-1
17	M23	L2x2x4	.379	3.104	1	.013	0	z	13	1878..	3058..	.691	1.577	...	H2-1
18	M22	L2x2x4	.377	3.104	1	.023	0	z	13	1878..	3058..	.691	1.577	...	H2-1
19	M17	L2x2x4	.358	3.104	7	.015	0	z	7	1878..	3058..	.691	1.577	...	H2-1
20	M49	PIPE_2.0	.354	6.094	8	.082	6.094		7	1214..	32130	1.872	1.872	...	H1-...
21	M24	L2x2x4	.353	3.104	12	.025	0	z	24	1878..	3058..	.691	1.577	...	H2-1
22	M15	L2x2x4	.350	3.104	4	.025	0	z	15	1878..	3058..	.691	1.577	...	H2-1
23	M77	PIPE_2.0	.308	8.315	1	.127	12.339		8	5934..	32130	1.872	1.872	...	H1-...
24	M10	L3X3X5	.305	0	5	.190	7.333	z	13	1764..	57672	2.015	4.437	...	H2-1
25	M9	L3X3X5	.302	7.333	1	.195	7.333	z	22	1764..	57672	2.015	4.572	...	H2-1
26	M50	PIPE_2.0	.296	6.094	8	.093	6.094		7	1214..	32130	1.872	1.872	...	H1-...
27	M18	L2x2x4	.293	3.104	7	.021	0	z	19	1878..	3058..	.691	1.577	...	H2-1
28	M69	PIPE_2.0	.289	8.449	5	.100	12.339		5	5934..	32130	1.872	1.872	...	H1-...
29	M87	L2.5x2.5x3x0.5	.285	3.534	24	.005	0	z	3	3208..	5847..	4.246	2.58	...	H1-...
30	M52	PIPE_2.0	.283	6.094	7	.079	6.094		7	1214..	32130	1.872	1.872	...	H1-...
31	M79	L2.5x2.5x3x0.5	.282	3.534	20	.005	0	z	5	3208..	5847..	4.246	2.58	...	H1-...
32	M85	PIPE_2.0	.278	.536	4	.104	12.339		11	5934..	32130	1.872	1.872	...	H1-...
33	M51	PIPE_2.0	.277	6.094	1	.089	6.094		7	1214..	32130	1.872	1.872	...	H1-...
34	M6	HSS4X4X3	.268	13.542	13	.167	0	y	10	5106..	1068..	12.6...	12.6...	...	H1-...
35	M5	HSS4X4X3	.261	13.542	22	.146	0	y	7	5106..	1068..	12.6...	12.6...	...	H1-...
36	M7	HSS4X4X3	.258	0	22	.168	0	y	1	5106..	1068..	12.6...	12.6...	...	H1-...
37	M3	HSS4X4X4	.255	5.957	24	.102	5.957	y	14	9657..	1395..	16.1...	16.1...	...	H1-...
38	M2	HSS4X4X4	.249	5.957	20	.093	5.957	y	22	9657..	1395..	16.1...	16.1...	...	H1-...
39	M12	L3X3X5	.212	7.333	21	.118	7.333	z	19	1764..	57672	2.015	4.572	...	H2-1
40	M4	HSS4X4X4	.194	5.957	14	.095	5.957	y	14	9657..	1395..	16.1...	16.1...	...	H1-...
41	M1	HSS4X4X4	.185	5.957	17	.097	5.957	y	19	9657..	1395..	16.1...	16.1...	...	H1-...
42	M63	L2.5x2.5x3x0.5	.185	6.924	15	.006	6.924	y	13	3208..	5847..	4.246	2.58	...	H1-...
43	M71	L2.5x2.5x3x0.5	.184	6.924	17	.006	0	y	19	3208..	5847..	4.246	2.58	...	H1-...
44	M8	HSS4X4X3	.180	0	14	.063	13.542	z	3	5106..	1068..	12.6...	12.6...	...	H1-...
45	M20	L2x2x4	.158	3.104	7	.010	0	z	22	1878..	3058..	.691	1.577	...	H2-1
46	M21	L2x2x4	.158	2.069	22	.017	0	z	21	1878..	3058..	.691	1.547	...	H2-1
47	M61	PIPE_2.0	.154	.671	8	.116	4.56		7	5934..	32130	1.872	1.872	...	H1-...
48	M19	L2x2x4	.152	2.069	22	.015	0	z	22	1878..	3058..	.691	1.564	...	H2-1
49	M107	WT3X8	.023	0	8	.084	0	z	2	7255..	76788	4.563	1.852	...	H1-...
50	M101	WT3X8	.022	0	1	.110	1.417	z	2	7255..	76788	4.563	1.852	...	H1-...
51	M98	WT3X8	.021	0	10	.107	1.417	z	11	7255..	76788	4.563	1.852	...	H1-...
52	M104	WT3X8	.019	1.417	1	.071	1.417	z	6	7255..	76788	4.563	1.852	...	H1-...

TIA-222-H CONNECTION CHECK
Mount to Tower Connection - Typ. All Sectors
2021740.469181.02

Bolt Information		
Bolt Diameter (d)	0.75	in
Net Tensile Area (An)	0.334	in^2
# of Bolts Total (n)	4	
Bolt Distance Up-Down	8	in
Bolt Distance Left-Right	3	in
Bolt Grade	A325N	
Bolt Tensile Strength (F_{ub})	120	ksi

Flange Information		
Height (h)	10	in
Width (w)	6	in
Thickness (t)	0.5	in
Steel Grade	A36	
Plate Yield Strength (Fy)	36	ksi
Support Arm Height	4	in
Support Arm Width	4	in

RISA 3D Reactions		
Moment (M)	0.20	k-ft
Axial (T)	6.64	kips
Shear (V)	0.16	kips

Bolt Capacity		
Nominal Tensile Strength (R_{nt})	40.135	kips
Nominal Shear Strength (R_{nv})	26.51	kips
Bolt Tensile Force (T_{ub})	1.81	kips
Bolt Shear Force (V_{ub})	0.041	kips
$T_{ub}/\phi R_{nt}$	0.06013	
$V_{ub}/\phi R_{nv}$	0.00207	
$(V_{ub}/\phi R_{nv})^2+(T_{ub}/\phi R_{nt})^2$	0.00362	
Bolt Capacity =	6.0%	OK

Plate Capacity		
Bolt Circle (D_{BC})	8.544	in
Effective Width (B_{eff})	6.00	in
Flexural Moment (M_u)	7.24	k-in
Flexural Strength (ϕM_n)	12.15	k-in
Plate Capacity=	59.6%	OK

Weld Capacity		
Fillet (leg) =	0.310	in
Throat (eff) =	0.22	in
Fexx =	70.00	ksi
ø =	0.75	
øRn =	6.90	kips/in
Weld Capacity=	28.1%	OK

TIA-222-H CONNECTION CHECK
Mod Kickers to Tower Connection - Typ. All Sectors
2021740.469181.02

Bolt Information		
Bolt Diameter (d)	0.625	in
Net Tensile Area (An)	0.226	in^2
# of Bolts Total (n)	4	
Bolt Distance Up-Down	6	in
Bolt Distance Left-Right	6	in
Bolt Grade	A325N	
Bolt Tensile Strength (F_{ub})	120	ksi

RISA 3D Reactions		
Moment (M)	0.00	k-ft
Axial (T)	-6.65	kips
Shear (V)	4.05	kips

Bolt Capacity		
Nominal Tensile Strength (R_{nt})	27.120	kips
Nominal Shear Strength (R_{nv})	18.41	kips
Bolt Tensile Force (T_{ub})	-1.66	kips
Bolt Shear Force (V_{ub})	1.013	kips
$T_{ub}/\phi R_{nt}$	-0.08171	
$V_{ub}/\phi R_{nv}$	0.07341	
$(V_{ub}/\phi R_{nv})^2+(T_{ub}/\phi R_{nt})^2$	0.01207	
Bolt Capacity =	7.3%	OK

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Purpose – to provide TES 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 TES 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 TES.
    - 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 TES 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 TES 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 TES 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:

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: 469181-VZW - EAST WOODSTOCK CT

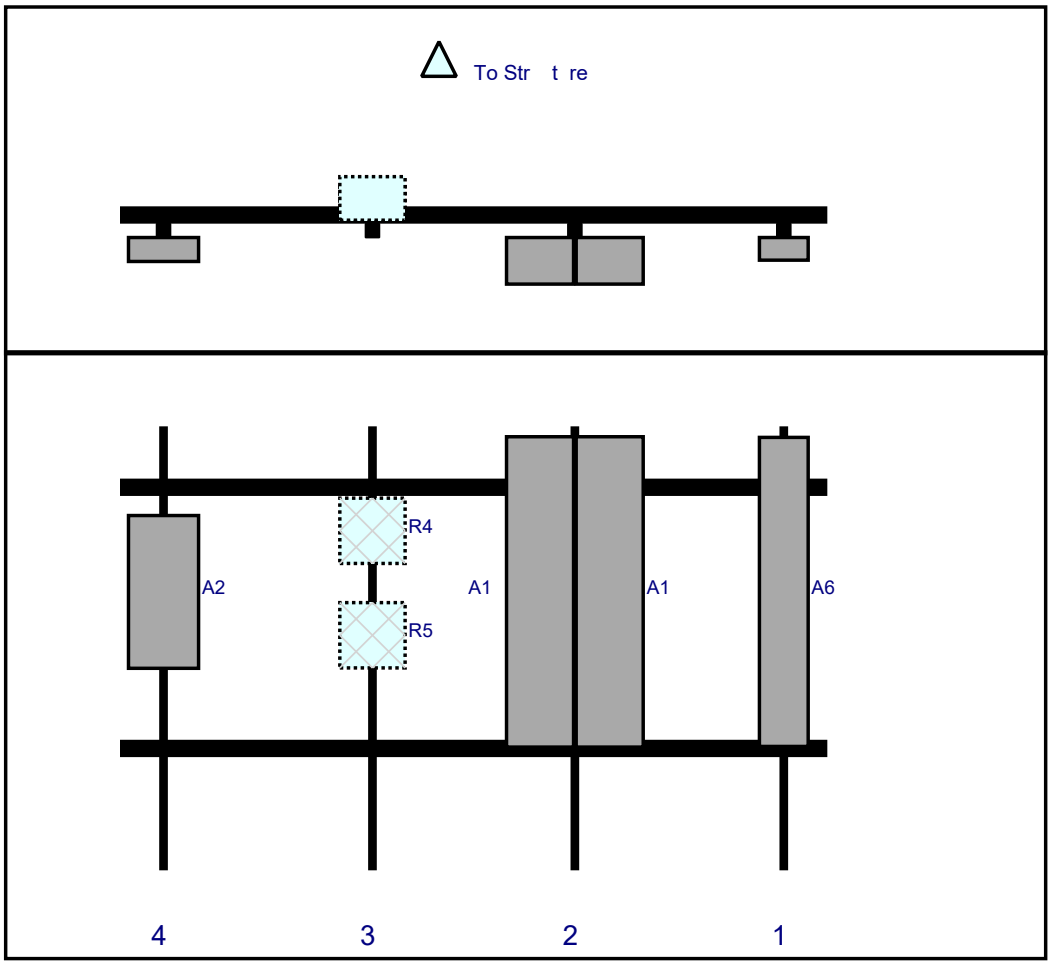
Se tor: **A** 7/9/2021

Str t re Type: Sel S pport 10084239

Mo t Elev: 157.00 P ge: 1

Plan View

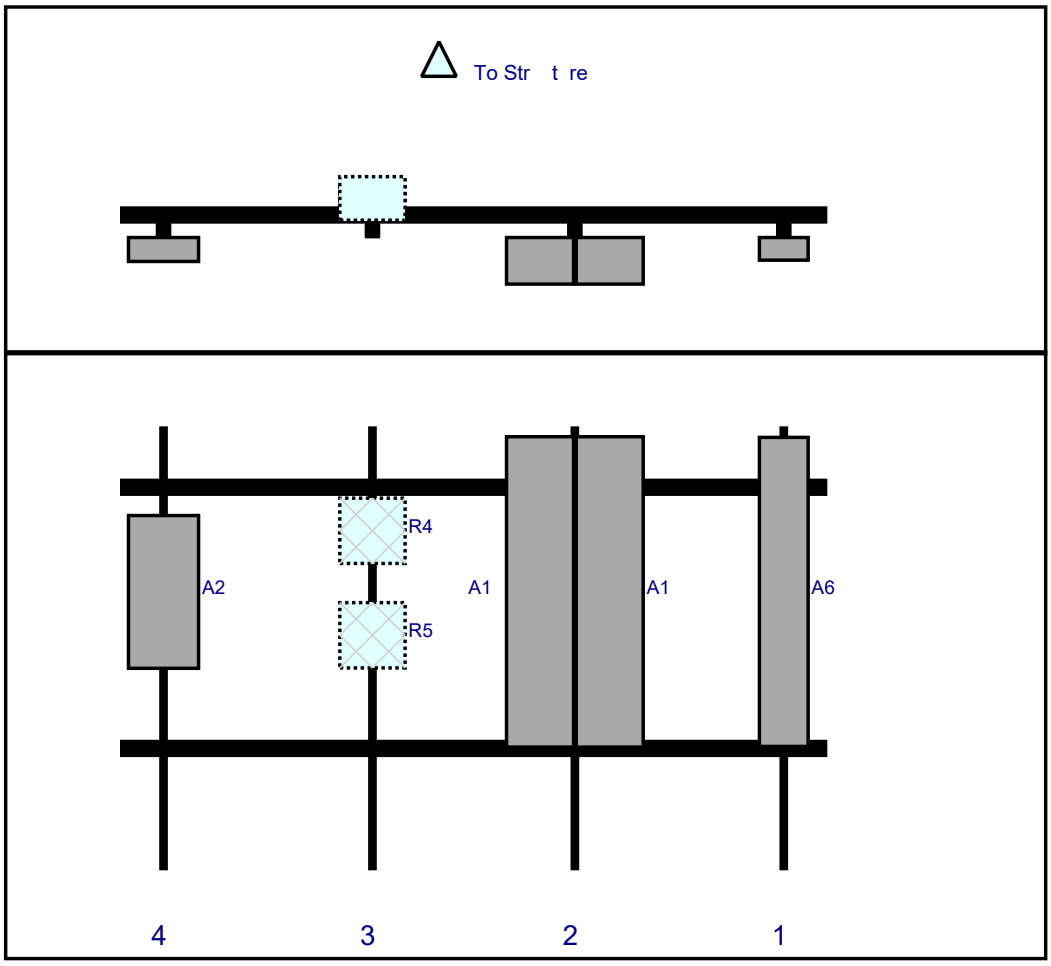
Front View
Loo i g t Str t re



Re #	Model	Height (i)	Width (i)	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A6	BXA-70063-6CF	71	11.2	152.5	1		Fro t	38.04	0	Ret i ed	03/28/2021
A1	MX06FRO660-02	71.3	15.4	104.5	2		Fro t	38.04	8	Added	
A1	MX06FRO660-02	71.3	15.4	104.5	2		Fro t	38.04	-8	Added	
R4	B2/B66A RRH-BR049	15	15	58	3		Behi d	24	0	Added	
R5	B5/B13 RRH-BR04C	15	15	58	3		Behi d	48	0	Added	
A2	MT6407-77A	35.1	16.1	10	4		Fro t	38.04	0	Added	

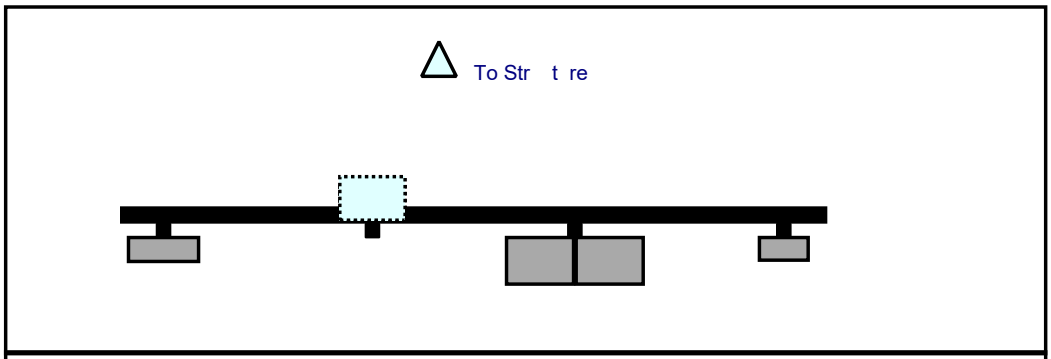
Plan View

Front View
Loo i g t Str t re

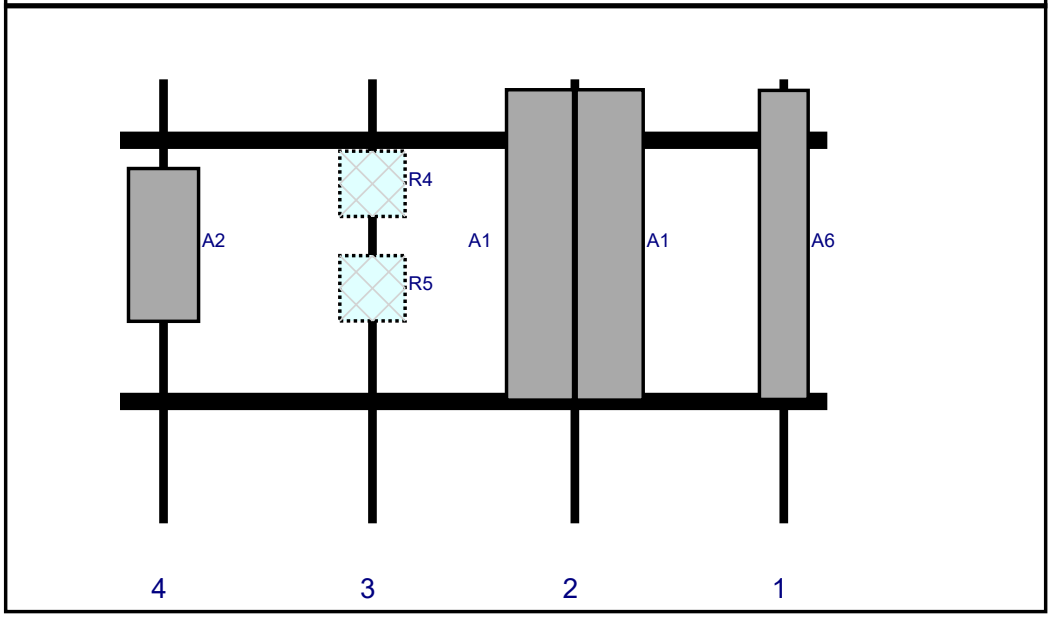


Re #	Model	Height (i)	Width (i)	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A6	BXA-70063-6CF	71	11.2	152.5	1		Fro t	38.04	0	Ret i ed	03/28/2021
A1	MX06FRO660-02	71.3	15.4	104.5	2		Fro t	38.04	8	Added	
A1	MX06FRO660-02	71.3	15.4	104.5	2		Fro t	38.04	-8	Added	
R4	B2/B66A RRH-BR049	15	15	58	3		Behi d	24	0	Added	
R5	B5/B13 RRH-BR04C	15	15	58	3		Behi d	48	0	Added	
A2	MT6407-77A	35.1	16.1	10	4		Fro t	38.04	0	Added	

Plan View



Front View
Loo i g t Str t re



Re #	Model	Height (i)	Width (i)	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A6	BXA-70063-6CF	71	11.2	152.5	1		Fro t	38.04	0	Ret i ed	03/28/2021
A1	MX06FRO660-02	71.3	15.4	104.5	2		Fro t	38.04	8	Added	
A1	MX06FRO660-02	71.3	15.4	104.5	2		Fro t	38.04	-8	Added	
R4	B2/B66A RRH-BR049	15	15	58	3		Behi d	24	0	Added	
R5	B5/B13 RRH-BR04C	15	15	58	3		Behi d	48	0	Added	
A2	MT6407-77A	35.1	16.1	10	4		Fro t	38.04	0	Added	

GPD Engineering and Architecture
Professional Corporation

June 30, 2021
2021740.469181.02

Subject	TIA-222-H Usage
Site Information	Site ID: 469181-VZW / East Woodstock CT Site Name: East Woodstock CT Carrier Name: Verizon Wireless Address: 445 Prospect St Woodstock, Connecticut 06281 Windham County Latitude: 42.014830° Longitude: -71.980692°
Structure Information	Tower Type: 160-Ft Monopole Mount Type: 13.54-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 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. 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 maps 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 methods, seismic analysis, 30-degree increment wind directions 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,

GPD Group

Christopher J. Scheks, P.E.
Connecticut #: 0030026

Site Name: ***EAST WOODSTOCK 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	623	2494	160	0.0035	0.5007	0.70%
VZW Cellular	874	4	623	2494	160	0.0035	0.5827	0.60%
VZW PCS	1977.5	4	1428	5713	160	0.0080	1.0000	0.80%
VZW AWS	2120	4	1530	6122	160	0.0086	1.0000	0.86%
VZW CBAND	3730.08	4	6531	26125	160	0.0367	1.0000	3.67%
Total Percentage of Maximum Permissible Exposure								6.63%

*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

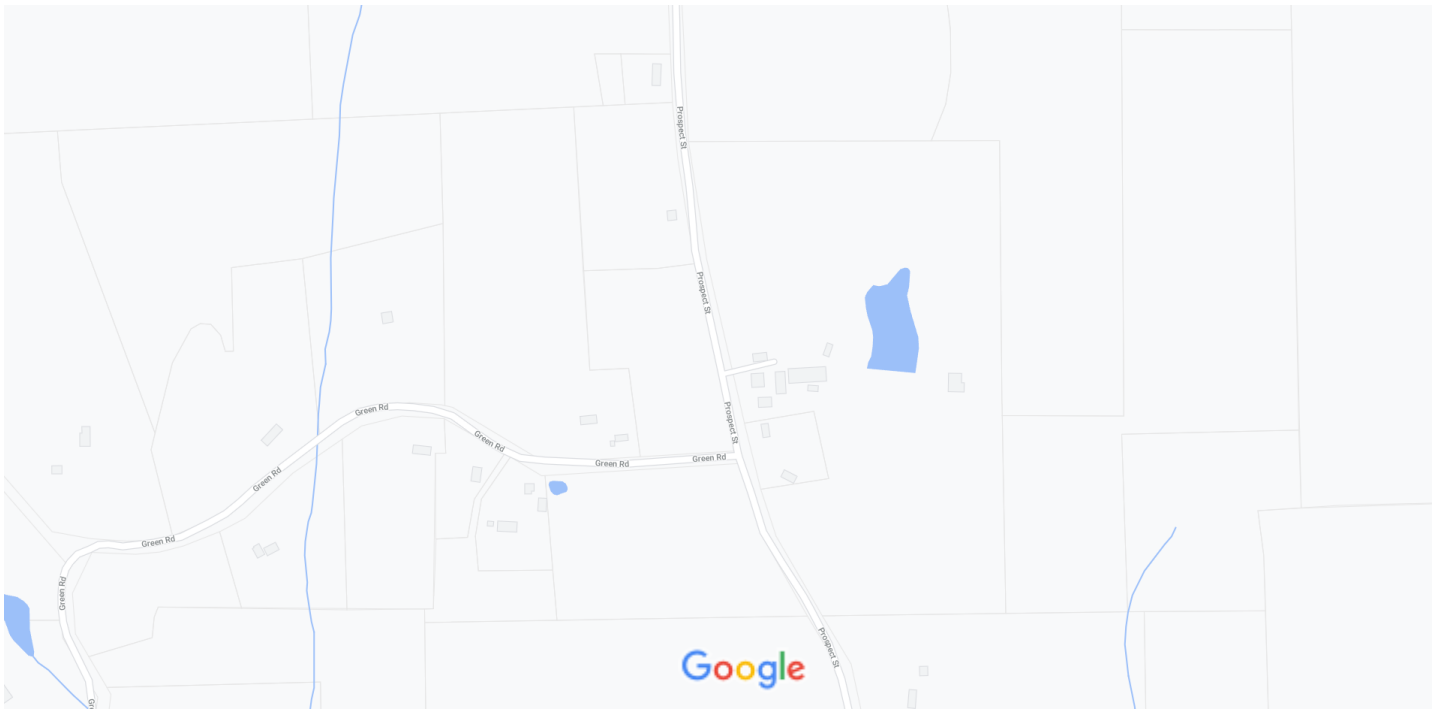
MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

Google Maps Map



Map data ©2021 200 ft

445 PROSPECT ST

Location	445 PROSPECT ST	**Mblu**	5703/ 05/ 06/ /
Acct#	R0327400	**Owner**	RICH FREDERICK C + BARBARA P + RICH
Assessment	$419,580	**Appraisal**	$717,900
PID	3445	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$319,600	$398,300	$717,900
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$223,900	$195,680	$419,580

Owner of Record

Owner	RICH FREDERICK C + BARBARA P + RICH	**Sale Price**	$0
Co-Owner	FREDERICK C JR + KIMBERLY	**Certificate**	1
Address	445 PROSPECT ST WOODSTOCK , CT 06281	**Book & Page**	249/ 220
		Sale Date	

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
RICH FREDERICK C + BARBARA P + RICH	$0	1	249/ 220	

Building Information

Building 1 : Section 1

Year Built:	1960
Living Area:	1,617
Replacement Cost:	$254,123
Building Percent Good:	80
Replacement Cost Less Depreciation:	$203,300

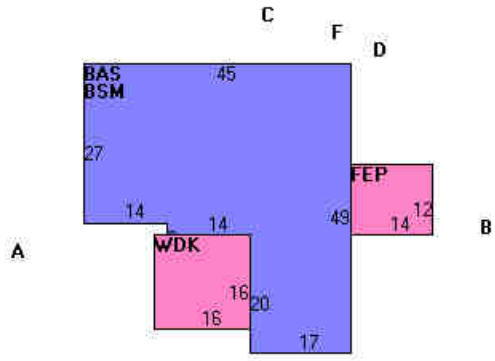
Building Attributes

Field	Description
Style	Ranch
Model	Residential
Grade:	C
Stories:	1.0
Living Units	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure:	Gable
Roof Cover	Arch. Shingles
Interior Wall 1	Plastered
Interior Wall 2	Drywall
Interior Flr 1	Carpet
Interior Flr 2	Hardwood
Heat Fuel	Oil
Heat Type:	Hot Water
AC Type:	None
Total Bedrooms:	2 Bedrooms
Total Bthrms:	1
Total Half Baths:	0
Total Xtra Fixtrs:	1
Total Rooms:	6
Bath Style:	Average
Kitchen Style:	Above Average
Whirlpool Tubs	
Bsmt. Garages	0

Building Photo

(http://images.vgsi.com/photos/WoodstockCTPhotos//\00\00\22/34.JPG)

Building Layout



(http://images.vgsi.com/photos/WoodstockCTPhotos//Sketches/3445_3445

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	1,617	1,617
BSM	Basement Area	1,617	0
FEP	Enclosed Porch	168	0
WDK	Wood Deck	256	0
		3,658	1,617

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
FPL1	Fireplace, 1 Sty	1 UNITS	$2,800	1

Land

Land Use

Land Line Valuation

Use Code	101	**Size (Acres)**	44.2
Description	Single Family	**Frontage**	
Zone		**Depth**	
Neighborhood		**Assessed Value**	$195,680
Alt Land Appr	No	**Appraised Value**	$398,300
Category			

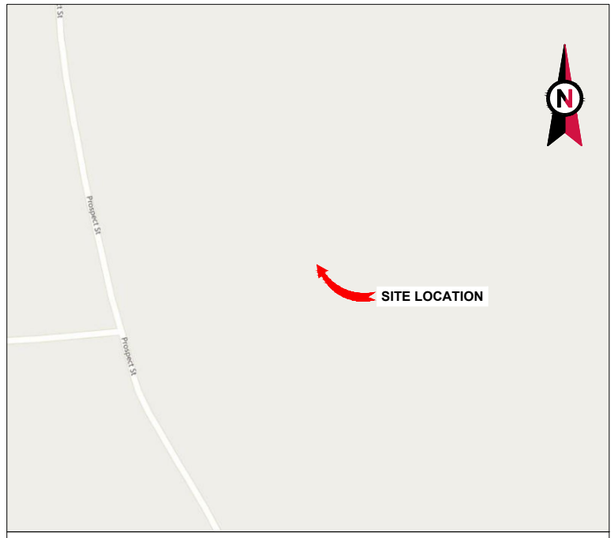
Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
BRN2	Barn w Bsmt	FR	Frame	1680 S.F.	$26,300	1
BRN2	Barn w Bsmt	CB	CindBk/Frame	1800 S.F.	$33,100	1
BRN1	Barn 1 Story	FR	Frame	3360 S.F.	$39,100	1
BRN1	Barn 1 Story	CB	CindBk/Frame	350 S.F.	$5,000	1
SHD1	Shed	FR	Frame	720 S.F.	$4,500	1
SHD1	Shed	FR	Frame	336 S.F.	$2,100	1
BRN8	Pole Barn	FR	Frame	640 S.F.	$2,400	1
SHD1	Shed	FR	Frame	96 S.F.	$600	1
LNT	Lean-To	FR	Frame	200 S.F.	$400	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$247,400	$348,500	$595,900
2019	$247,400	$348,500	$595,900
2018	$247,400	$348,500	$595,900

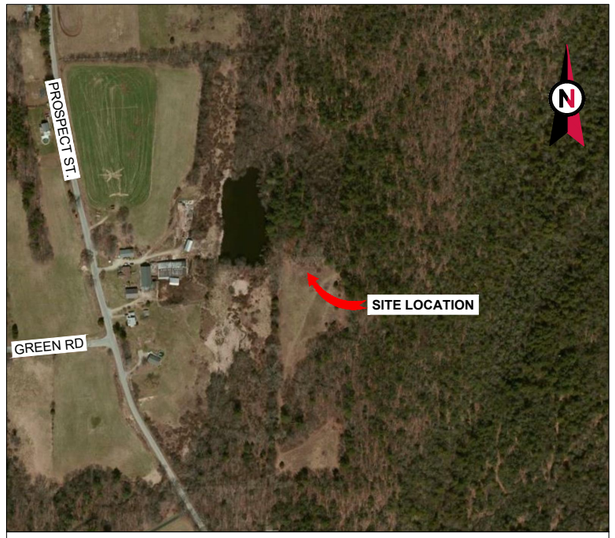
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$173,400	$154,820	$328,220
2019	$173,400	$154,820	$328,220
2018	$173,400	$154,820	$328,220



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: EAST WOODSTOCK, CT CT
ATC SITE NUMBER: 415484
VERIZON SITE NAME: EAST WOODSTOCK CT
VERIZON SITE NUMBER:469181
SITE ADDRESS: 445 PROSPECT ST
WOODSTOCK, CT 06281



LOCATION MAP

VERIZON
ANTENNA AMENDMENT DRAWINGS

COMPLIANCE CODE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. 2018 CONNECTICUT STATE BUILDING CODE, INCORPORATING THE IBC
2. 2017 NATIONAL ELECTRIC CODE - NFPA 70
3. LOCAL BUILDING CODE
4. CITY/COUNTY ORDINANCES

UTILITY COMPANIES

POWER COMPANY: NORTHEAST UTILITY SERVICE
PHONE: (806) 622-7764

TELEPHONE COMPANY: N/A
PHONE: (555) 555-5555

811 Know what's below. Call before you dig.

PROJECT SUMMARY

SITE ADDRESS:

445 PROSPECT ST

WOODSTOCK, CT 06281

COUNTY: WINDHAM

GEOGRAPHIC COORDINATES:

LATITUDE: 42.01483072

LONGITUDE: -71.9806872

GROUND ELEVATION: 520' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS

ENGINEER:

COLLIERS ENGINEERING & DESIGN CT, P.C.
D/B/A MASER CONSULTING
135 NEW ROAD
MADISON, CT 06443

PROJECT #:
21904489A

PROPERTY OWNER:

OX-BOW ACRES
445 PROSPECT ST
WOODSTOCK, CT 06281

PROJECT DESCRIPTION

THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:

REMOVE (9) ANTENNA(s), (3) RRH(s), (2) OVP(s) AND (2) HYBRID CABLE(s)

INSTALL MOUNT MODIFICATIONS, (9) ANTENNA(s), (6) RRH(s), (1) OVP(s) AND (2) HYBRID CABLE(s)

EXISTING (3) ANTENNA(s) TO REMAIN

PROJECT NOTES

1. THE FACILITY IS UNMANNED.
2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.
3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.
4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.
5. HANDICAP ACCESS IS NOT REQUIRED.
6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).

PROJECT LOCATION DIRECTIONS

I-84 EAST TO RT 190 EAST (EXIT 73) TO RT 197 EAST. CONTINUE STRAIGHT RT 197 FOR 5 MILES. AFTER INTERSECTION WITH RT 169 LOOK FOR PROSPECT ST ON YOUR RIGHT. SITE WILL BE ON THE RIGHT SIDE.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	11/01/21	AJC
G-002	GENERAL NOTES	0	11/01/21	AJC
C-101	DETAILED SITE PLAN	0	11/01/21	AJC
C-201	TOWER ELEVATION	0	11/01/21	AJC
C-401	ANTENNA INFORMATION & SCHEDULE	0	11/01/21	AJC
C-501	CONSTRUCTION DETAILS	0	11/01/21	AJC
E-501	GROUNDING DETAILS	0	11/01/21	AJC
R-601	SUPPLEMENTAL			
R-602	SUPPLEMENTAL			
R-603	SUPPLEMENTAL			
R-604	SUPPLEMENTAL			
R-605	SUPPLEMENTAL			
R-606	SUPPLEMENTAL			

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL VENDOR PROJECT #:	10084239
VZW LOCATION CODE (PSLC):	469181
ANALYSIS DATE:	10/21/21

*** PMI AND REQUIREMENTS ARE EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	YES

VZW APPROVED SMART KIT VENDORS

REFER TO MOUNT MODIFICATION DRAWINGS PAGE FOR VZW SMART KIT APPROVED VENDORS

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Madison, CT 06443
Phone: 860.395.0055
COLLIERS ENGINEERING & DESIGN CT, P.C.
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REV.	DESCRIPTION	BY	DATE
A	PRELIM	AJC	09/22/21
0	FOR CONSTRUCTION	AMN	11/01/21

ATC SITE NUMBER:
415484

ATC SITE NAME:
EAST WOODSTOCK, CT CT

VERIZON SITE NAME:
EAST WOODSTOCK CT

SITE ADDRESS:
445 PROSPECT ST
WOODSTOCK, CT 06281

SEAL:

C.T. JPC. 0000131

verizon

DATE DRAWN:	09/22/21
ATC JOB NO:	13714941_D1
CUSTOMER ID:	EAST WOODSTOCK CT
CUSTOMER #:	469181

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	0

GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, VERIZON "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
   - A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
   - B. AC/TELCO INTERFACE BOX (PPC)
   - C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
   - D. TOWERS, MONOPOLES
   - E. TOWER LIGHTING
   - F. GENERATORS & LIQUID PROPANE TANK
   - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
   - H. ANTENNAS (INSTALLED BY OTHERS)
   - I. TRANSMISSION LINE
   - J. TRANSMISSION LINE JUMPERS
   - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
   - L. TRANSMISSION LINE GROUND KITS
   - M. HANGERS
   - N. HOISTING GRIPS
   - O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF VERIZON TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH VERIZON AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.
22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY VERIZON REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON REP. ANY WORK FOUND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
32. VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
33. VERIZON OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON OR THEIR ARCHITECT/ENGINEER.

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:
   - A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY VERIZON UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OD COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL AND
   - B. INSTALL ANTENNA AS INDICATE ON DRAWINGS AND VERIZON SPECIFICATIONS.
   - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS
   - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.
   - E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
   - F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
   - G. ANTENNA AND COAXIAL CABLE GROUNDING:
2. ALL EXTERIOR #6 GREED GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.
3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

AMERICAN TOWER®

Colliers Engineering & Design

www.colliersengineering.com

Doing Business as MASER CONSULTING

MADISON
135 New Road

Madison, CT 06443
Phone: 860.395.0055

COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

REV.	DESCRIPTION	BY	DATE
A	PRELIM	AJC	09/22/21
0	FOR CONSTRUCTION	AMN	11/01/21

ATC SITE NUMBER:
415484

ATC SITE NAME:
EAST WOODSTOCK, CT CT

VERIZON SITE NAME:
EAST WOODSTOCK CT

SITE ADDRESS:
445 PROSPECT ST
WOODSTOCK, CT 06281

SEAL:

C.T. JPC. 0000131

verizon

DATE DRAWN:	09/22/21
ATC JOB NO:	13714941_D1
CUSTOMER ID:	EAST WOODSTOCK CT
CUSTOMER #:	469181

GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	0

SITE PLAN NOTES:

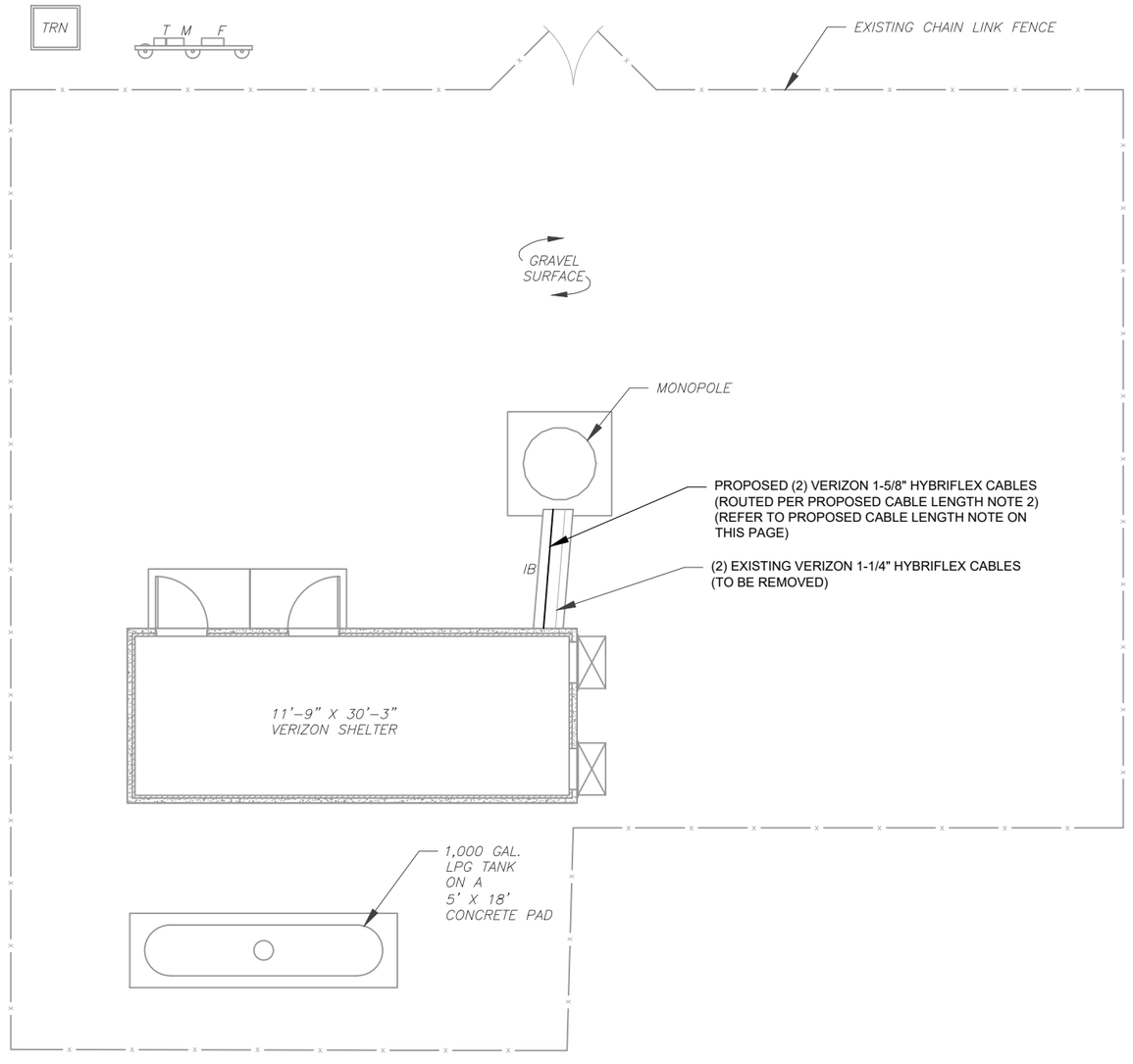
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.

3. THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

LEGEND

⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACAL
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
——x——	CHAINLINK FENCE



1 DETAILED SITE PLAN

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 UNIT = 10 FEET

PROPOSED CABLE LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **190'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.

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WOODSTOCK, CT 06281

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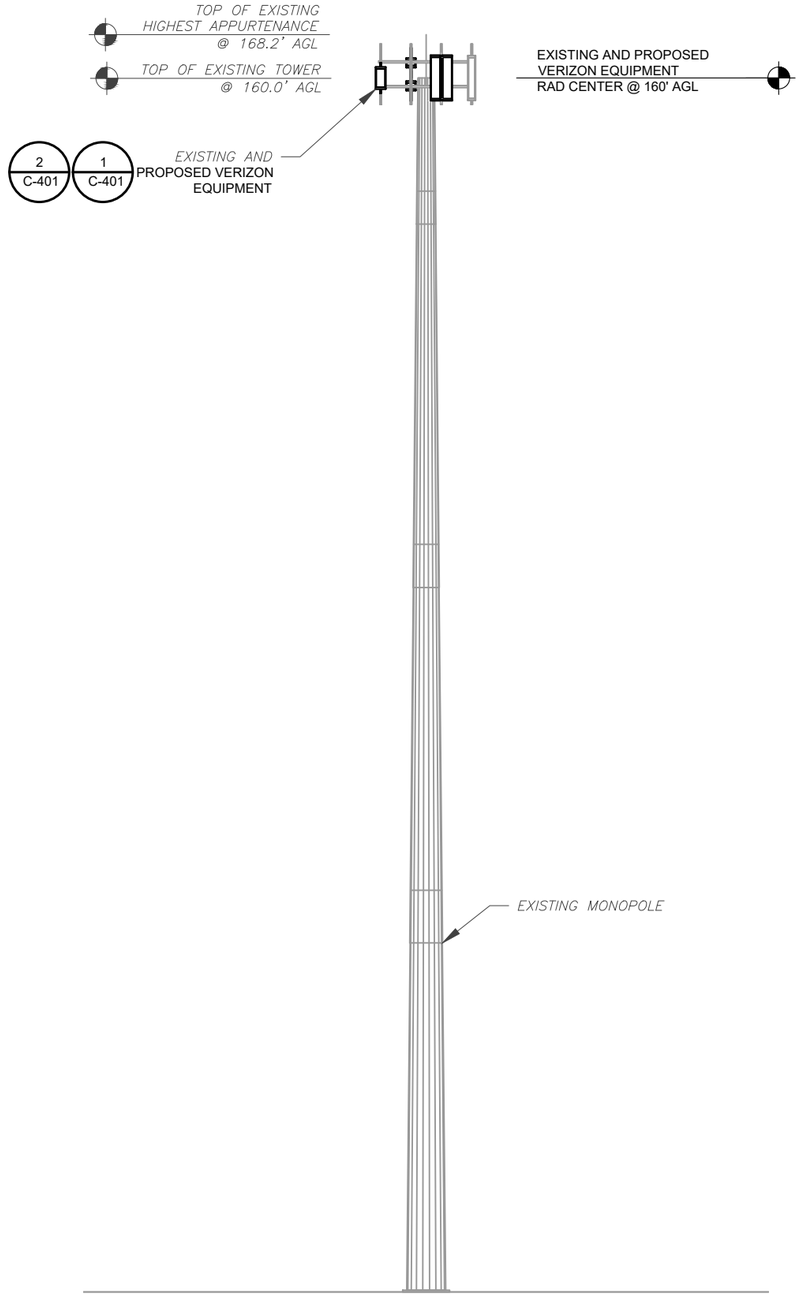
verizon

DATE DRAWN:	09/22/21
ATC JOB NO:	13714941_D1
CUSTOMER ID:	EAST WOODSTOCK CT
CUSTOMER #:	469181

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0



1 TOWER ELEVATION
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY GPD ENGINEERING AND ARCHITECTURE PROFESSIONAL CORPORATION, DATED 10/21/21, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

TOWER NOTE:
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
3. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
4. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)
5. TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	AJC	09/22/21
0	FOR CONSTRUCTION	AMN	11/01/21

ATC SITE NUMBER:
415484

ATC SITE NAME:
EAST WOODSTOCK, CT CT

VERIZON SITE NAME:
EAST WOODSTOCK CT

SITE ADDRESS:
445 PROSPECT ST
WOODSTOCK, CT 06281

SEAL:

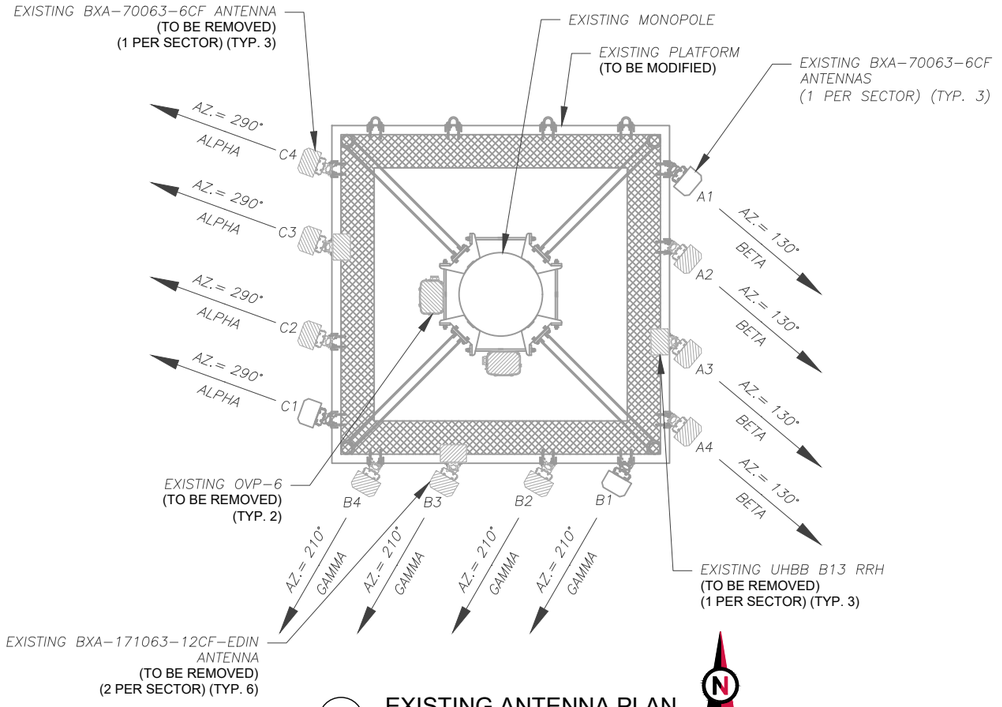
C.T. JPC. 0000131

verizon

DATE DRAWN:	09/22/21
ATC JOB NO:	13714941_D1
CUSTOMER ID:	EAST WOODSTOCK CT
CUSTOMER #:	469181

TOWER ELEVATION

SHEET NUMBER:	REVISION:
C-201	0

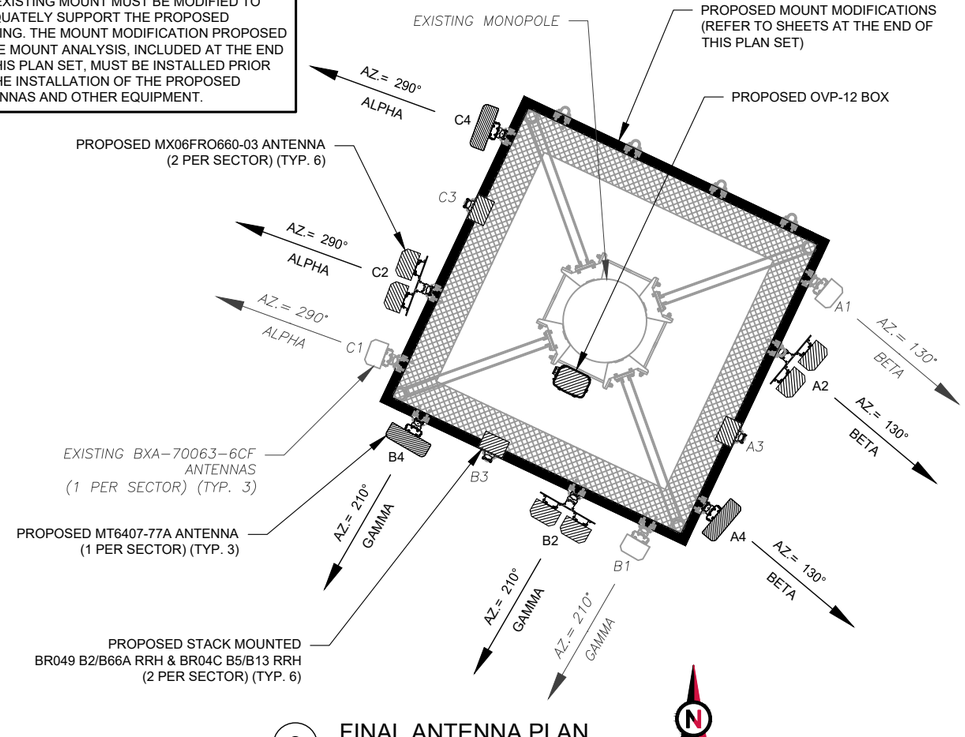


1 EXISTING ANTENNA PLAN

SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY GPD ENGINEERING AND ARCHITECTURE PROFESSIONAL CORPORATION, DATED 10/21/21, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

CONTRACTOR SHALL RE-ORIENT ANTENNA MOUNT(s) AS NECESSARY TO ACHIEVE PROPOSED ANTENNA AZIMUTHS



2 FINAL ANTENNA PLAN

SCALE: N.T.S.

EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	160'	290°	A1	BXA–70063–6CF	LTE	0/2	RMN	–	–
			A2	BXA–171063–12CF–EDIN	CDMA	0/0	RMV	–	–
			A3	BXA–171063–12CF–EDIN	CDMA	0/0	RMV	UHBB B13 RRH	RMV
			A4	BXA–70063–6CF	LTE	0/2	RMV	–	–
BETA	160'	130°	B1	BXA–70063–6CF	LTE	0/2	RMN	–	–
			B2	BXA–171063–12CF–EDIN	CDMA	0/0	RMV	–	–
			B3	BXA–171063–12CF–EDIN	CDMA	0/0	RMV	UHBB B13 RRH	RMV
			B4	BXA–70063–6CF	LTE	0/2	RMV	–	–
GAMMA	160'	210°	C1	BXA–70063–6CF	LTE	0/2	RMN	–	–
			C2	BXA–171063–12CF–EDIN	CDMA	0/0	RMV	–	–
			C3	BXA–171063–12CF–EDIN	CDMA	0/0	RMV	UHBB B13 RRH	RMV
			C4	BXA–70063–6CF	LTE	0/2	RMV	–	–
DELTA	160'	–	D1	–	–	–	–	–	–
			D2	–	–	–	–	–	–
			D3	–	–	–	–	–	–
			D4	–	–	–	–	–	–

NOTES

1. CONFIRM WITH VERIZON REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

STATUS ABBREVIATIONS

RMV: TO BE REMOVED
RMN: TO REMAIN
REL: TO BE RELOCATED
ADD: TO BE ADDED

CABLE LENGTHS FOR JUMPERS

JUNCTION BOX TO RRU: 15'
RRU TO ANTENNA: 10'

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	160'	290°	A1	BXA–70063–6CF	LTE	0/2	RMN	-	-
			A2	(2) - MX06FRO660-03	LTE 700/850/1900	0/2	ADD	-	-
			A3	-	-	-	-	B5/B13 RRH-BR04C B2/B66A RRH-BR049	ADD
			A4	MT6407-77A	5G	0/6	ADD	-	-
BETA	160'	130°	B1	BXA–70063–6CF	LTE	0/2	RMN	-	-
			B2	(2) - MX06FRO660-03	LTE 700/850/1900	0/2	ADD	-	-
			B3	-	-	-	-	B5/B13 RRH-BR04C B2/B66A RRH-BR049	ADD
			B4	MT6407-77A	5G	0/6	ADD	-	-
GAMMA	160'	210°	C1	BXA–70063–6CF	LTE	0/2	RMN	-	-
			C2	(2) - MX06FRO660-03	LTE 700/850/1900	0/2	ADD	-	-
			C3	-	-	-	-	B5/B13 RRH-BR04C B2/B66A RRH-BR049	ADD
			C4	MT6407-77A	5G	0/6	ADD	-	-
DELTA	160'	-	D1	-	-	-	-	-	-
			D2	-	-	-	-	-	-
			D3	-	-	-	-	-	-
			D4	-	-	-	-	-	-

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(2) OVP–6	RMV	----	(2) 1–1/4"	RMV

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
RVZDC-6627-PF-48	ADD	----	(2) 1-5/8"	ADD

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REV.	DESCRIPTION	BY	DATE
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WOODSTOCK, CT 06281

SEAL:

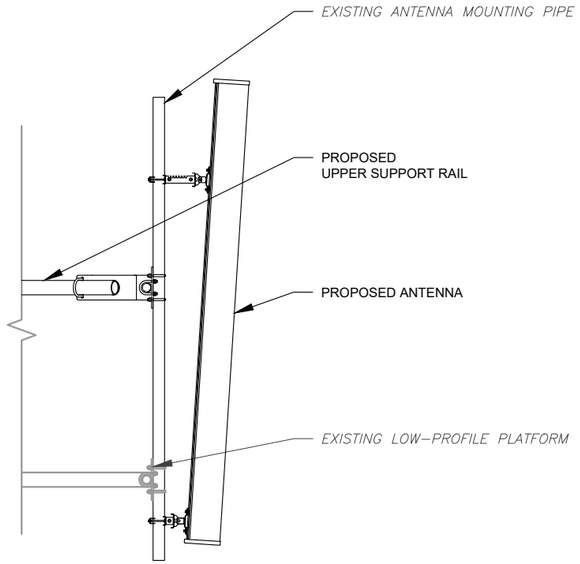
C.T. JPC. 0000131

verizon

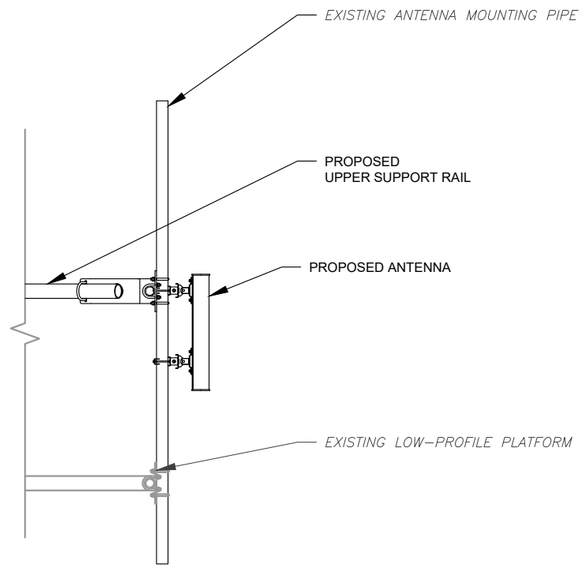
DATE DRAWN:	09/22/21
ATC JOB NO:	13714941_D1
CUSTOMER ID:	EAST WOODSTOCK CT
CUSTOMER #:	469181

ANTENNA INFORMATION & SCHEDULE

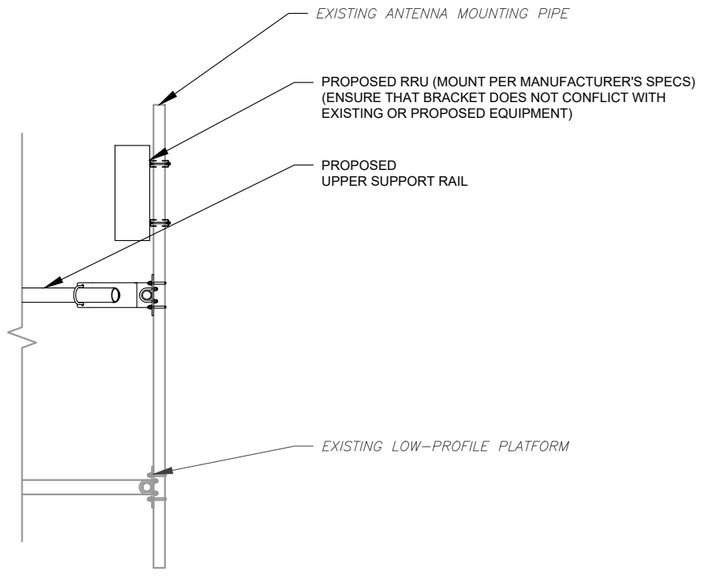
SHEET NUMBER:	REVISION:
C-401	0



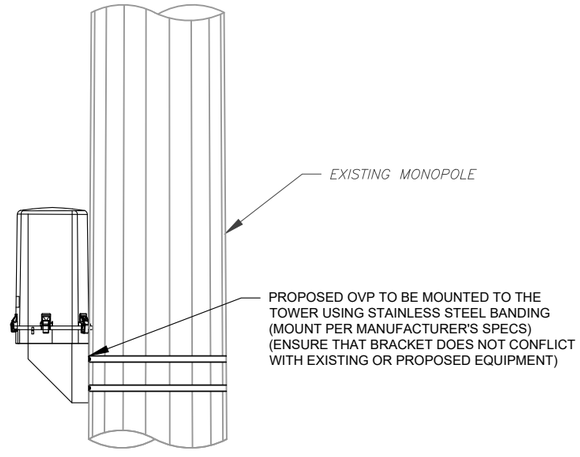
1 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



2 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



4 PROPOSED OVP MOUNTING
SCALE: N.T.S.

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VERIZON SITE NAME:
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SITE ADDRESS:
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SEAL:

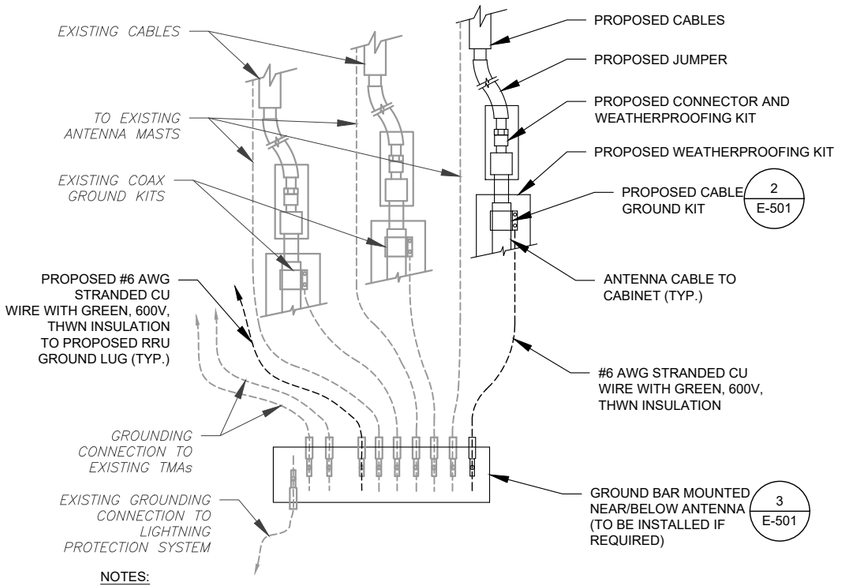
C.T. JPC. 0000131

verizon

DATE DRAWN:	09/22/21
ATC JOB NO:	13714941_D1
CUSTOMER ID:	EAST WOODSTOCK CT
CUSTOMER #:	469181

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

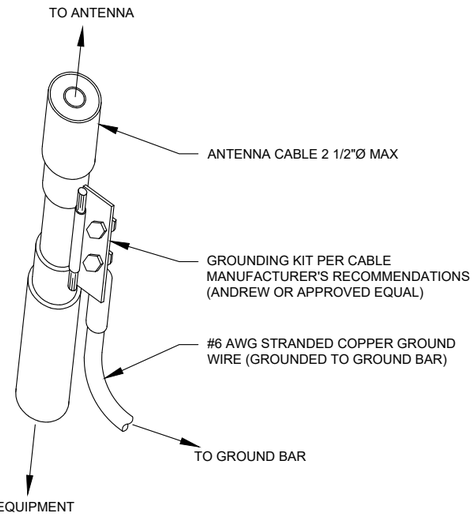


NOTES:

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH VERIZON GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

1 TYPICAL ANTENNA GROUNDING DIAGRAM

SCALE: N.T.S.

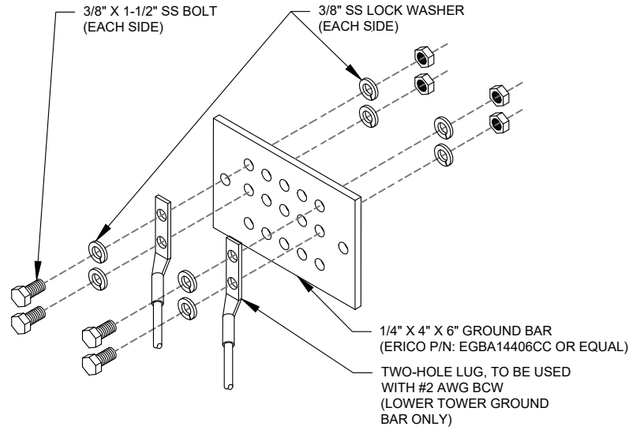


GROUND KIT NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.



GROUND BAR NOTES:

1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

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verizon

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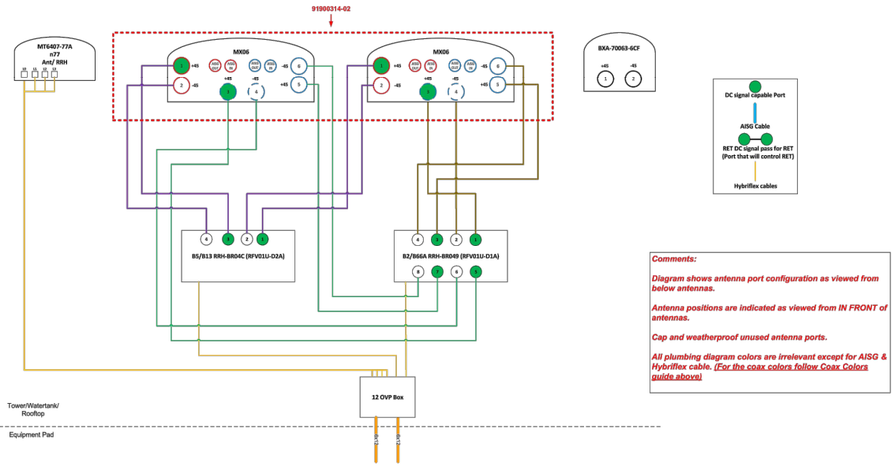
CUSTOMER ID:	EAST WOODSTOCK CT
CUSTOMER #:	469181

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0

- Port 1 & 2 are for low band (698-896 MHz).
- Port 3,4,5, & 6 are for high band (1695-2360 MHz).
- Smart Bias Tee (SBT) is through port 1 & 3 for low band and port 1 for high band.
- AISG cable is only needed when drawn in the diagrams below, if it is not drawn then SBT is enough to control all RET motors.
- Not all SBT ports are needed to control RET, only green port connection to green port will control RET.

RET DC signal pass for RET (Port that will control RET)



DC signal capable Port

AISG Cable

RET DC signal pass for RET (Port that will control RET)

Hybriflex cables

Comments:

Diagram shows antenna port configuration as viewed from below antennas.

Antenna positions are indicated as viewed from IN FRONT of antennas.

Cap and weatherproof unused antenna ports.

All plumbing diagram colors are irrelevant except for AISG & Hybriflex cable. (For the coax colors follow Coax Colors guide above)

Equipment Summary

Added

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity
Mount	Tower						JMA	91900314-02			PHYSICAL	3
Hybrid Cable	Tower	LTE	LTE 5G	LTE	LTE	5G	N/A	6x12 Hybriflex LI		1 5/8"	PHYSICAL	2
OVP Box	Tower	LTE	LTE 5G	LTE	LTE	5G	Raycap	OVP-12			PHYSICAL	1
RRU	Tower			LTE	LTE		Samsung	B2/B66A RRH-BR049 (RFV01U-D1A)			PHYSICAL	3
RRU	Tower	LTE	LTE 5G				Samsung	B5/B13 RRH-BR04C (RFV01U-D2A)			PHYSICAL	3
RRU	Tower					5G	Samsung	MT6407-77A			PHYSICAL	3

Removed

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity
Hybrid Cable	Tower	LTE					N/A	Hybriflex		1 5/8"	PHYSICAL	2
RRU	Tower	LTE					Nokia	UHBB B13 RRH 2x40			PHYSICAL	3
OVP Box	Tower	LTE					Raycap	OVP-6			PHYSICAL	2

Retained

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity

SUPPLEMENTAL

SHEET NUMBER: R-601

REVISION: -

MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

X-Pol Hex-Port 6 ft 60° Fast Roll Off antenna with independent tilt on 700 & 850 MHz:

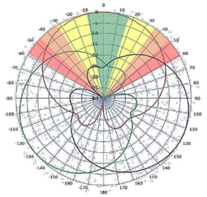
2 ports 698-798, 824-894 MHz and 4 ports 1695-2180 MHz

- Fast Roll Off (FRO™) azimuth beam pattern improves Intra- and Inter-cell SINR
- Compatible with dual band 700/850 MHz radios with independent low band EDT without external diplexers
- Fully integrated (iRETs) with independent RET control for low and high bands for ease of network optimization
- SON-Ready array spacing supports beamforming capabilities
- Suitable for LTE/CDMA/PCS/UMTS/GSM air interface technologies
- Integrated Smart Bias-Ts reduce leasing costs

Fast Roll-Off antennas increase data throughput without compromising coverage

The horizontal beam produced by Fast Roll-Off (FRO) technology increases the Signal to Interference & Noise Ratio (SINR) by eliminating overlap between sectors .

Non-FRO antenna



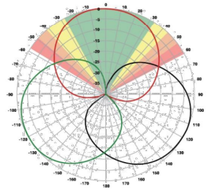
Large traditional antenna pattern overlap creates harmful interference.

JMA's FRO antenna pattern minimizes overlap, thereby minimizing interference.

LTE throughput	SINR	Speed (bps/Hz)	Speed increase	CQI
Excellent	>18	>4.5	333+%	8-10
Good	15-18	3.3-4.5	277%	6-7
Fair	10-15	2-3.3	160%	4-6
Poor	<10	<2	0%	1-3

The LTE radio automatically selects the best throughput based on measured SINR.

JMA FRO antenna

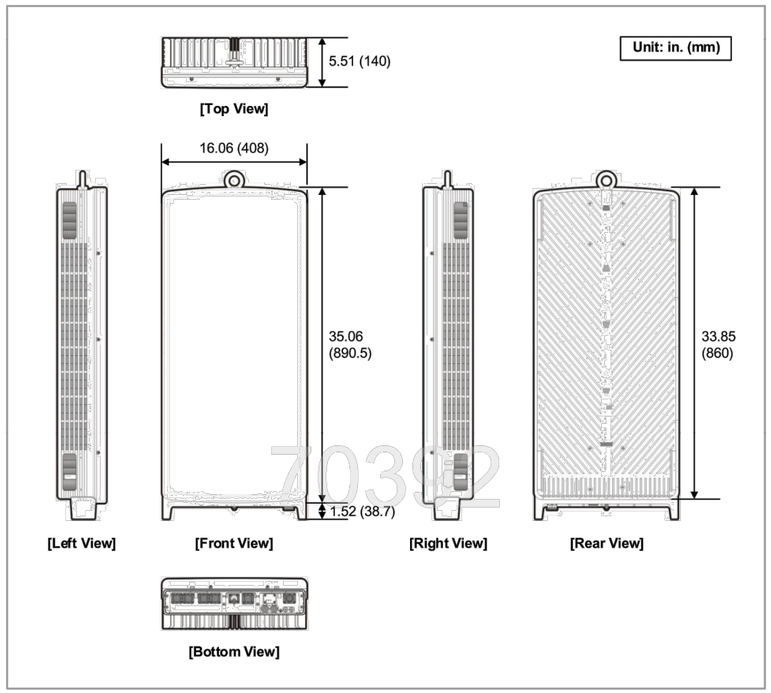


Electrical specification (minimum/maximum)	Ports 1, 2		Ports 3, 4, 5, 6		
Frequency bands, MHz	698-798	824-894	1695-1880	1850-1990	1920-2180
Polarization	± 45°		± 45°		
Average gain over all tilts, dBi	14.4	14.0	17.6	18.0	18.2
Horizontal beamwidth (HBW), degrees	60.5	53.0	55.0	55.0	55.5
Front-to-back ratio, co-polar power @180°± 30°, dB	>24	>24.0	>25.0	>25.0	>25.0
X-Pol discrimination (CPR) at boresight, dB	>15.0	>14.2	>18	>18	>15
Sector power ratio, percent	<3.5	<3.0	<3.7	<3.8	<3.6
Vertical beamwidth (VBW), degrees[1]	13.1	11.8	6.0	5.5	5.5
Electrical downtilt (EDT) range, degrees	2-14	2-14	0-9		
First upper side lobe (USLS) suppression, dB[1]	≤-15.0	≤-16.5	≤-16.0	≤-16.0	≤-16.0
Cross-polar isolation, port-to-port, dB[1]	25	25	25	25	25
Max VSWR / return loss, dB	1.5:1 / -14.0		1.5:1 / -14.0		
Max passive intermodulation (PIM), 2x20W carrier, dBc	-153		-153		
Max input power per any port, watts	300		250		
Total composite power all ports, watts	1500				

[1] Typical value over frequency and tilt

The following figures depict the physical views of the MT6407-77A.

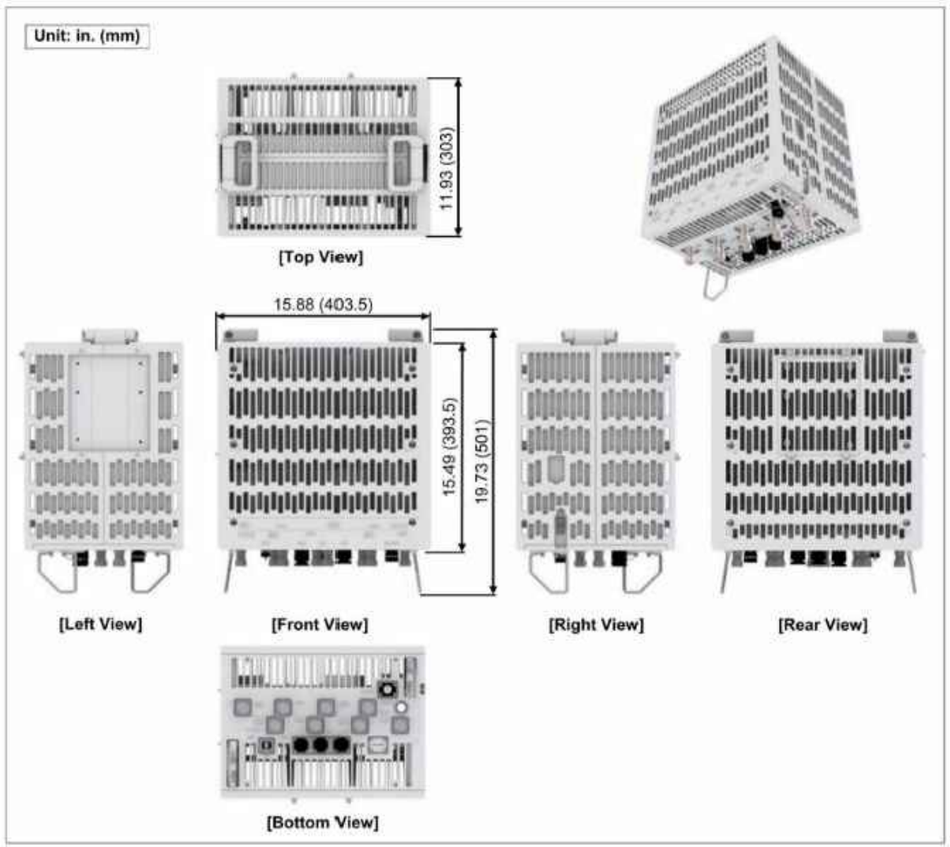
Figure 1. Appearance



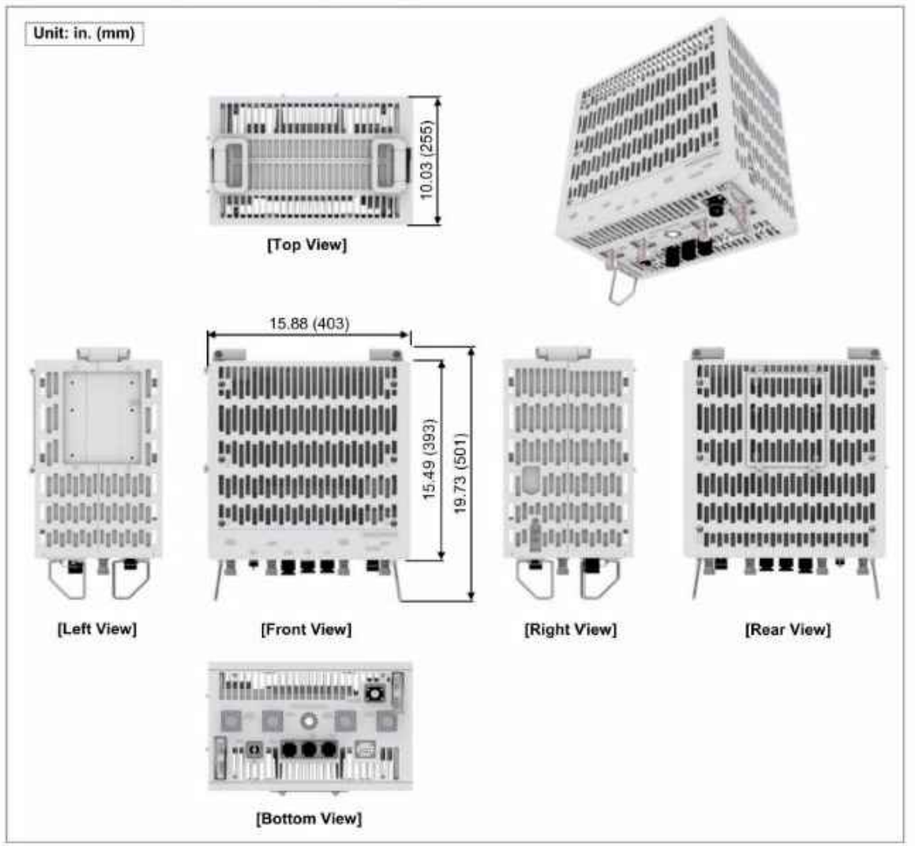
SUPPLEMENTAL

SHEET NUMBER: R-602

REVISION: -



RFV01U-D1A



RFV01U-D2A

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-603	-

GPD Engineering And Architecture Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
(317) 295-3174

Maser Consulting Contact:
Peter.albano@colliersengineering.com
(856) 371-9457

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10084239
GPD Project #: 2021740.469181.02
Maser Project #: 21777431

October 21, 2021

Site Information

Site ID:	*469181-VZW / EAST WOODSTOCK CT*
Site Name:	*EAST WOODSTOCK CT*
Carrier Name:	*Verizon Wireless*
Address:	*445 Prospect St. Woodstock, Connecticut 06281, Windham County*
Latitude:	*42.014830°*
Longitude:	*-71.980692°*

Structure Information

Tower Type:	*160-Ft Monopole*
Mount Type:	*13.54-Ft Platform Mount*

FUZE ID # 16272086

Analysis Results

Platform Mount: **59.6% 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: Eric Nieto

Respectfully Submitted by:

Christopher J. Scheks, P.E.
Connecticut #: 0030026

10/21/2021

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
157.00	160.00	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48*	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Amphenol Antel	BXA-70063-6CF	Retained

* Equipment to be flush mounted directly to the Monopole. They are not mounted on the Platform Mount and are not included in this mount analysis.

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 GPD 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 GPD 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 GPD, 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.

1 MOUNT ANALYSIS

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	25.5 %	Pass
Toerail	26.8 %	Pass
Grating Angle	39.6 %	Pass
Grating Plate	42.7 %	Pass
Mount Pipe (P2 STD)	54.0 %	Pass
Mod Mount Pipe (P2.5 STD)	50.8 %	Pass
Mod Mount Pipe (P2 STD)	35.4 %	Pass
Mod Support Rail	30.8 %	Pass
Mod Kickers	28.5 %	Pass
Mod SR Corner Bracing	11.0 %	Pass
Mount Connection	59.6 %	Pass
Structure Rating – *(Controlling Utilization of all Components)*	**59.6%**	

Recommendation:

The existing mount 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:

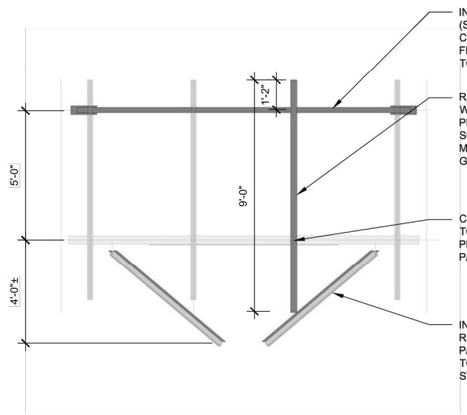
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption Wind Speed Letter

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. PLEASE REFERENCE THE MOUNT ANALYSIS REPORT FOR COMPLETE MOUNT ANALYSIS CALCULATIONS AND DETAILS. SUPPLEMENTAL PAGES INCLUDED IN THE CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR IS TO VERIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONSTRUCTION.

SUPPLEMENTAL

SHEET NUMBER: R-604

REVISION: -



INSTALL A NEW SUPPORT RAIL KIT (SITE PRO 1 P/N: F4P-HRK14) CONNECTED TO MOUNT PIPES, FIELD TRIM SUPPORT RAIL PIPES TO REQUIRED LENGTH

REPLACE EXISTING MOUNT PIPE WITH NEW LARGER DIAMETER PIPE, SEE MODIFICATION SCHEDULE ON THIS SHEET FOR MEMBER SIZE (ALPHA, BETA, GAMMA SECTORS ONLY)

CONNECT NEW MOUNT PIPE TO TOERAIL USING NEW CROSSOVER PLATE ASSEMBLIES (SITE PRO 1 P/N: SQCX4-K)

INSTALL A NEW KICKER STYLE REINFORCEMENT KIT (SITE PRO 1 P/N: PQ-1245L) CONNECTED TO TOWER SHAFT AND MOUNT STANDOFF

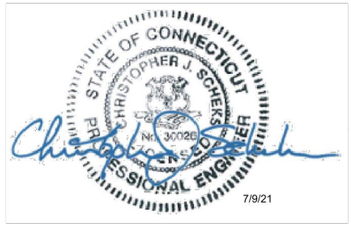
1 ELEVATION VIEW
S-02

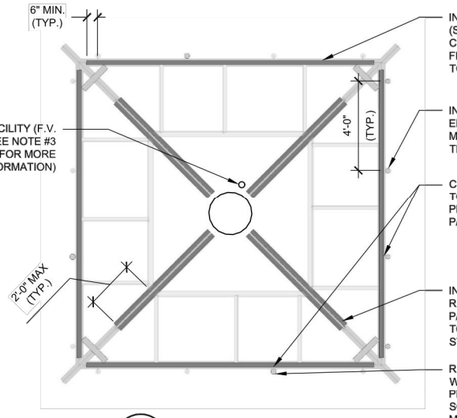
NOTE:
1. DETAIL IS TYPICAL FOR ALPHA, BETA, & GAMMA SECTORS. ONLY ONE SECTOR SHOWN FOR DETAIL CLARITY.
2. ALL FIELD CUT MEMBERS SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF BRUSH APPLIED ZRC ZINC RICH COLD GALVANIZING PAINT.
3. NEW MOUNT PIPES ON EMPTY FACE NOT SHOWN FOR DETAIL CLARITY.

MODIFICATION SCHEDULE

MEMBER TYPE	ELEVATION	EXISTING MEMBER	NEW MEMBER	REFERENCE DETAIL/SHEET	NOTES
SUPPORT RAIL KIT	157'-0"±	13'-6" PLATFORM	SUPPORT RAIL KIT	SHEETS S-02 & S-03	INSTALL A NEW SUPPORT RAIL KIT CONNECTED TO MOUNT PIPES.
KICKER STYLE REINFORCEMENT KIT			KICKER STYLE REINFORCEMENT KIT	SHEETS S-02 & S-03	INSTALL A NEW KICKER STYLE REINFORCEMENT KIT CONNECTED TO TOWER SHAFT AND MOUNT STANDOFF.
MOUNT PIPE			(1) P2.5 STD MOUNT PIPE (PER SECTOR)	SHEETS S-02 & S-03	REPLACE EXISTING MOUNT PIPE WITH NEW LARGER DIAMETER MOUNT PIPE.
MOUNT PIPE			(4) P2 STD MOUNT PIPE	SHEETS S-02 & S-03	INSTALL NEW MOUNT PIPES ON EMPTY FACE OF MOUNT CONNECTED TO TOE RAIL.

NOTES:
1. ANY SUBSTITUTION OF PARTS SPECIFIED IN THIS DESIGN PACKAGE SHALL REQUIRE ENGINEER APPROVAL PRIOR TO FABRICATION.
2. ALL MATERIAL REMOVED FROM MOUNT SHALL BE DISPOSED OF BY CONTRACTOR OFF SITE.
3. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB OR ANY SYSTEM INSTALLED ON THE STRUCTURE.





INSTALL A NEW SUPPORT RAIL KIT (SITE PRO 1 P/N: F4P-HRK14) CONNECTED TO MOUNT PIPES, FIELD TRIM SUPPORT RAIL PIPES TO REQUIRED LENGTH

INSTALL NEW MOUNT PIPES ON EMPTY FACE OF MOUNT, SEE MODIFICATION SCHEDULE ON THIS SHEET FOR MEMBER SIZE

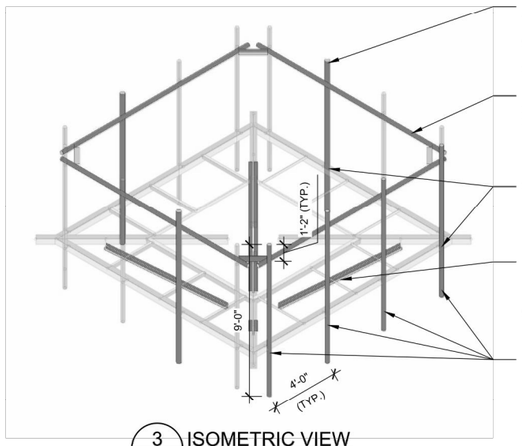
CONNECT NEW MOUNT PIPES TO TOERAIL USING NEW CROSSOVER PLATE ASSEMBLIES (SITE PRO 1 P/N: SQCX4-K)

INSTALL A NEW KICKER STYLE REINFORCEMENT KIT (SITE PRO 1 P/N: PQ-1245L) CONNECTED TO TOWER SHAFT AND MOUNT STANDOFF

REPLACE EXISTING MOUNT PIPE WITH NEW LARGER DIAMETER PIPE, SEE MODIFICATION SCHEDULE ON THIS SHEET FOR MEMBER SIZE (ALPHA, BETA, GAMMA SECTORS ONLY)

2 PLAN VIEW
S-02

NOTE:
1. ALL FIELD CUT MEMBERS SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF BRUSH APPLIED ZRC ZINC RICH COLD GALVANIZING PAINT.



REPLACE EXISTING MOUNT PIPE WITH NEW LARGER DIAMETER PIPE, SEE MODIFICATION SCHEDULE ON THIS SHEET FOR MEMBER SIZE (ALPHA, BETA, GAMMA SECTORS ONLY)

INSTALL A NEW SUPPORT RAIL KIT (SITE PRO 1 P/N: F4P-HRK14) CONNECTED TO MOUNT PIPES, FIELD TRIM SUPPORT RAIL PIPES TO REQUIRED LENGTH

CONNECT NEW MOUNT PIPE TO TOERAIL USING NEW CROSSOVER PLATE ASSEMBLIES (SITE PRO 1 P/N: SQCX4-K)

INSTALL A NEW KICKER STYLE REINFORCEMENT KIT (SITE PRO 1 P/N: PQ-1245L) CONNECTED TO TOWER SHAFT AND MOUNT STANDOFF

INSTALL NEW MOUNT PIPES ON EMPTY FACE OF MOUNT, SEE MODIFICATION SCHEDULE ON THIS SHEET FOR MEMBER SIZE

3 ISOMETRIC VIEW
S-02

NOTE:
1. ALL FIELD CUT MEMBERS SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF BRUSH APPLIED ZRC ZINC RICH COLD GALVANIZING PAINT.

1 MOUNT MODIFICATIONS

GPD Engineering and Architecture Professional Corporation
620 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

DESIGN DRAWINGS PREPARED FOR:
verizon
EAST WOODSTOCK CT
SITE #: 469181

DESIGN DRAWINGS PREPARED FOR:
verizon
SMART TOOL PROJECT #: 10084239

REV	DATE	DESCRIPTION
0	7/9/21	INITIAL RELEASE

EAST WOODSTOCK CT
445 PROSPECT ST
WOODSTOCK, CT 06281

MODIFICATION SCHEDULE & DETAILS

ISSUED FOR:	
PERMIT	7/9/2021
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
EAN	EAN
PROJECT MANAGER	APPROVED BY
DP	CJS

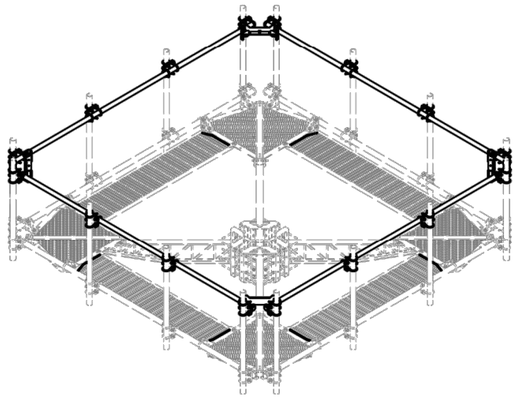
JOB NO.
2021740.469181.02

S-02

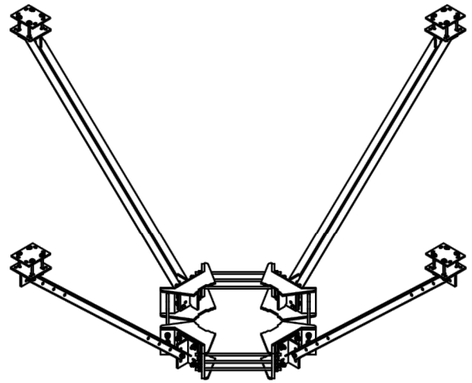
SUPPLEMENTAL

SHEET NUMBER:
R-605

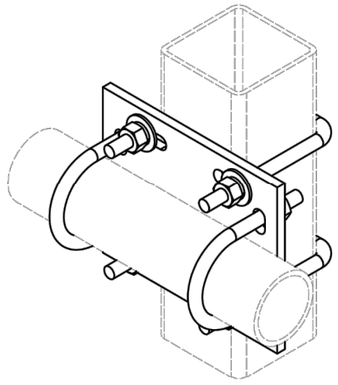
REVISION:
-



4 S-03 F4P-HRK14 SUPPORT RAIL KIT



5 S-03 PQ-1245L KICKER STYLE REINFORCEMENT KIT



6 S-03 SCX7-U CROSSOVER PLATE ASSEMBLIES

1 MOUNT MODIFICATIONS

GPD Engineering and Architecture Professional Corporation

520 South Main Street
Akron, OH 44311
330.572.2100 Fax 330.572.2102

DESIGN DRAWINGS PREPARED FOR:

verizon

EAST WOODSTOCK CT
SITE #: 469181

DESIGN DRAWINGS PREPARED FOR:

verizon

SMART TOOL PROJECT #: 10084239

REV	DATE	DESCRIPTION
0	7/9/21	INITIAL RELEASE

STATE OF CONNECTICUT
CHRISTOPHER J. SCHEKS
No. 30026
PROFESSIONAL ENGINEER
7/9/21

EAST WOODSTOCK CT
445 PROSPECT ST
WOODSTOCK, CT 06281

DETAILS/PARTS

ISSUED FOR:	
PERMIT	7/9/2021
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
EAN	EAN
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.
2021740.469181.02

S-03

SUPPLEMENTAL

SHEET NUMBER:
R-606

REVISION:
-