STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

October 15, 2021

MJ Umali
Site Acquisition Consultant
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
mumali@clinellc.com

RE: **EM-VER-094-210819** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 605 Willard Avenue, Newington, Connecticut.

Dear MJ Umali:

The Connecticut Siting Council (Council) is in receipt of your correspondence of October 15, 2021 submitted in response to the Council's October 4, 2021 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

Melanie Bachman
Executive Director

MAB/CMW/laf

From: MJ Umali <mumali@clinellc.com>
Sent: Friday, October 15, 2021 10:04 AM
To: CSC-DL Siting Council <Siting.Council@ct.gov>
Cc: Mark.Hudak@americantower.com; ATC VZ Team <ATC-VZW@clinellc.com>; Sharon Bateman <sbateman@clinellc.com>
Subject: RE: VZW Exempt Modification Filing / Newington CT (370627 /13668695) / WEST FARMS CT

Good morning,

Please find response to Incomplete Memo with original filing attached above.

Thank you,

MJ Umali | Senior Site Acquisition Specialist
750 W Center St, Suite 301 | West Bridgewater, MA 02379
Mobile: 978-568-7906
mumali@clinellc.com | www.centerlinecommunications.com

MJ Umali, Site Acquisition Consultant
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (978) 568-7906
MUmali@centerlinecommunications.com

October 7, 2021

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

RE: EM-VER-094-210819 - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 605 Willard Avenue, Newington, Connecticut.

In response to Council Incomplete Letter for Multiple Telecommunications Facilities dated October 4, 2021, please see the following attachments outlined below per council requests:

1. Proof of mailing to Chief Elected Official of host municipality and underlying property owner
    a. Delivery Confirmation to Chief Elected Official - UPS Label: 1Z9Y45030300912420
    b. Delivery Confirmation to Property Owner – UPS Label: 1Z9Y45030303288449

2. Original Facility Approval with municipality

3. Original Filing sent to CSC on 8/13/2021 - VZW Exempt Modification Filing / Newington CT (370627 /13668695) / WEST FARMS CT

Sincerely,

MJ Umali

_____

MJ Umali, Site Acquisition Consultant
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (978) 568-7906
MUmali@centerlinecommunications.com

Proof of Delivery

Dear Customer,

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

Tracking Number
1Z9Y45030300912420

Weight
1.00 LBS

Service

UPS Ground

Shipped / Billed On
08/13/2021

Delivered On

09/16/2021 1:06 P.M.

Delivered To
NEWINGTON, CT, US

Received By

ID Verified

Left At
Receiver

Thank you for giving us this opportunity to serve you. Details are only available for shipments delivered within the last 120 days. Please print for your records if you require this information after 120 days.

Sincerely,

UPS

Tracking results provided by UPS: 10/05/2021 2:10 P.M. EST

Proof of Delivery

Dear Customer,

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

Tracking Number
1Z9Y45030303288449

Weight
1.00 LBS

Service

UPS Ground

Shipped / Billed On
08/13/2021

Delivered On

09/16/2021 11:14 A.M.

Delivered To
NEWINGTON, CT, US

Received By

ROB

Left At
Inside Delivery

Thank you for giving us this opportunity to serve you. Details are only available for shipments delivered within the last 120 days. Please print for your records if you require this information after 120 days.

Sincerely,

UPS

Tracking results provided by UPS: 10/05/2021 2:14 P.M. EST

APPLICATION FOR BUILDING PERMIT

COMMERCIAL * INDUSTRIAL * MULTI-FAMILY RESIDENTIAL

TOWN OF NEWINGTON, 131 CEDAR STREET, NEWINGTON CT 06111

TEL. 860-665-8580 FAX 860-665-8577-BUILDING DEPARTMENT

APPLICATION MUST BE FILLED OUT COMPLETELY IN INK

JOB LOCATION: 605 Willard Ave

CONTRACTOR'S NAME McPhee Electrical TEL. NO. 677-9797 Doug Barker

CONTRACTOR'S ADDRESS: 505 Main Street

CITY Farmington STATE CT ZIP 06032 STATE REG. NO.

OWNER'S NAME Marcus Group TEL. NO. 860-643-0440 ext: 222

OWNER'S ADDRESS 275 New State Road, ~~Newington~~ Manchester CT. 06

DETAILED DESCRIPTION OF WORK TO BE PERFORMED: Installation of a telecommunications monopole, associated equipment, buildings, ~~generator, and power~~ * Telephone (GENERATOR / POWER AND ALL RELATED ELECTRICAL WORK NOT INCLUDED)

* NEWINGTON

TOTAL VALUE OF WORK TO BE PERFORMED: $203,000

SIZE OF STRUCTURE TO BE BUILT: WIDTH DEPTH AREA (SQ.FT.) 180' High

T.P.Z./Z.B.A. APPROVAL: 8-24 Approval DATE:

ALL WORK COVERED BY THIS APPLICATION HAS BEEN AUTHORIZED BY THE (OWNER) OR (AGENT) OF THIS PROPERTY AND WILL BE DONE ACCORDING TO STATE CODES AND REGULATIONS. **NO WORK SHALL BE STARTED UNTIL THE BUILDING DEPARTMENT HAS RECEIVED THIS APPLICATION AND HAS ISSUED A BUILDING PERMIT. ALL PERMITS APPROVED SUBJECT TO FIELD INSPECTIONS.**

Signed Jeffrey York - Auth. Agent for Marcus Group 10-29-01 860-916-4380

(applicant) (date) (telephone no.)

Please print name Jeffrey A. York

BUILDING PERMITS PAID FOR: BUILDING X HEATING& AIR COND.

ELECTRICAL PLUMBING

BUILDING PERMIT FEE $ Paid Under

OCCUPANCY FEE $ OK #1127 and

ZONING FEE: $ OK #1162 10/29/01

TOTAL PAID $

REC'D BY:

DATE:

APPROVED BY:

DATE: 10/29/01

PERMIT NO.: 62860

Rev.2-01

Centerline Communications LLC

028226

CONNECTICUT SITING COUNCIL

Check: 28226
Date: 8/11/2021
Vendor: 0

Invoice	P.O. Num.	Invoice Amt	Prior Balance	Retention	Discount	Amt. Paid
531503-003		625.00	625.00	0.00	0.00	625.00
ATC - Verizon-13668695						
		625.00	625.00	0.00	0.00	625.00

028226

Centerline Communications LLC
750 W. Center Street
Suite 301
W. Bridgewater, MA 02379
(781) 713-4725

ROCKLAND TRUST COMPANY
MEDFIELD, MA 02052

53-447/113

28226

DATE 8/11/2021

AMOUNT **********625.00

PAY TO THE ORDER OF CONNECTICUT SITING COUNCIL

THE SUM OF SIX HUNDRED TWENTY FIVE DOLLARS AND NO CENTS **********

VOID AFTER 90 DAYS

AUTHORIZED SIGNATURE

Security features. Details on back

MJ Umali, Site Acquisition Consultant
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (978) 568-7906
MUmali@centerlinecommunications.com

August 11, 2021

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

RE: Notice of Exempt Modification // Site: WEST FARMS CT (ATC: 370627)
605 Willard Ave, Newington, CT 06111
N 41.6984 // W 72.7371

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless currently maintains 12 antennas at the 110-ft level on the existing 179-foot monopole tower, located at 605 Willard Ave, Newington, CT. The tower is owned by American Tower. The property is owned by the Town of Newington. Verizon Wireless facility was approved for tower sharing in 2002.Verizon Wireless now intends to remove 3 antennas and install 3 new ones for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless will remove 6 1-5/8" Coax 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 Beth DelBuono, Mayor of Newington, CT, its Town Planner, Renata Bertotti, American Tower, the tower owner, and the property owner, the Town of Newington.

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 July 21, 2021, by CLS Engineering, PLLC., a structural analysis dated July 8, 2021, by A.T. Engineering, PLLC., and a structural mount analysis by Maser Consulting Connecticut date June 24, 2021, and radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

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

2. The proposed modifications will not require the extension of the site boundary.

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

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

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

6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis by A.T. Engineering, PLLC, dated July 8, 2021, and a structural mount analysis by Maser Consulting Connecticut, dated June 24, 2021, pursuant to certain conditions defined therein. Design and engineering are fully illustrated within final construction drawings, signed, and stamped dated July 21, 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,

MJ Umali

_____

MJ Umali, Site Acquisition Consultant
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (978) 568-7906
MUmali@centerlinecommunications.com

Attachments

cc: Beth DelBuono, Mayor of Newington, CT - as chief elected official
Renata Bertotti, Town Planner of Newington, CT- as P&Z official
American Tower Corporation – as the tower owner
Town of Newington, CT – as the ground owner

UPS CampusShip: View/Print Label

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

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

3. **GETTING YOUR SHIPMENT TO UPS**
   Customers with a Daily Pickup
   Your driver will pickup your shipment(s) as usual.

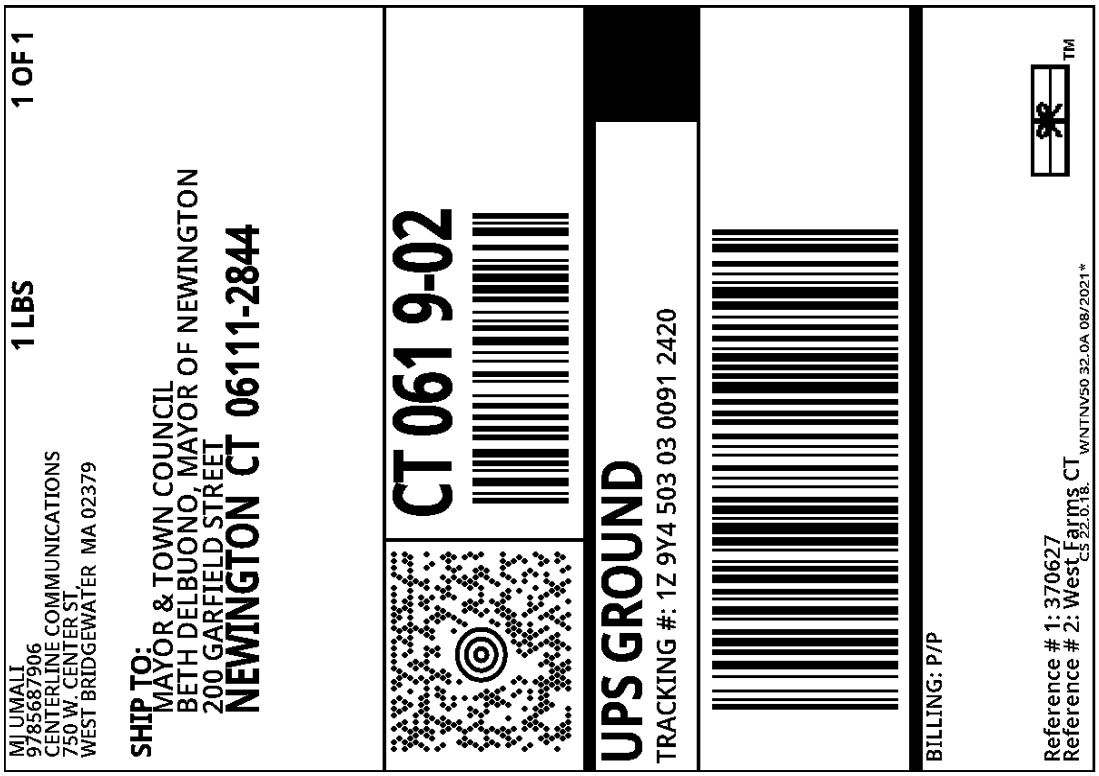
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To 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.

UPS Access Point™
CVS STORE # 972
555 WASHINGTON ST
SOUTH EASTON ,MA 02375

UPS Access Point™
CVS STORE # 7232
689 DEPOT ST
NORTH EASTON ,MA 02356

UPS Access Point™
TOWN LINE GENERAL STORE
450 E CENTER ST
WEST BRIDGEWATER ,MA 02379

FOLD HERE



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.

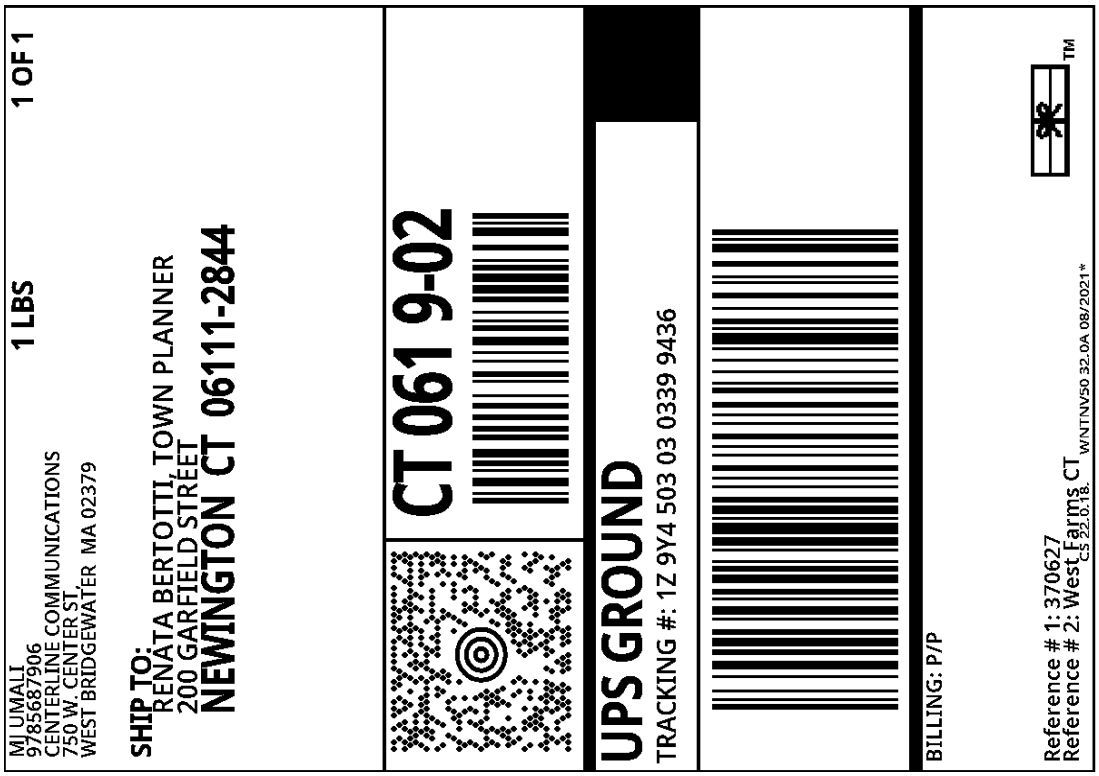
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To 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.

UPS Access Point™
CVS STORE # 972
555 WASHINGTON ST
SOUTH EASTON ,MA 02375

UPS Access Point™
CVS STORE # 7232
689 DEPOT ST
NORTH EASTON ,MA 02356

UPS Access Point™
TOWN LINE GENERAL STORE
450 E CENTER ST
WEST BRIDGEWATER ,MA 02379

FOLD HERE



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.

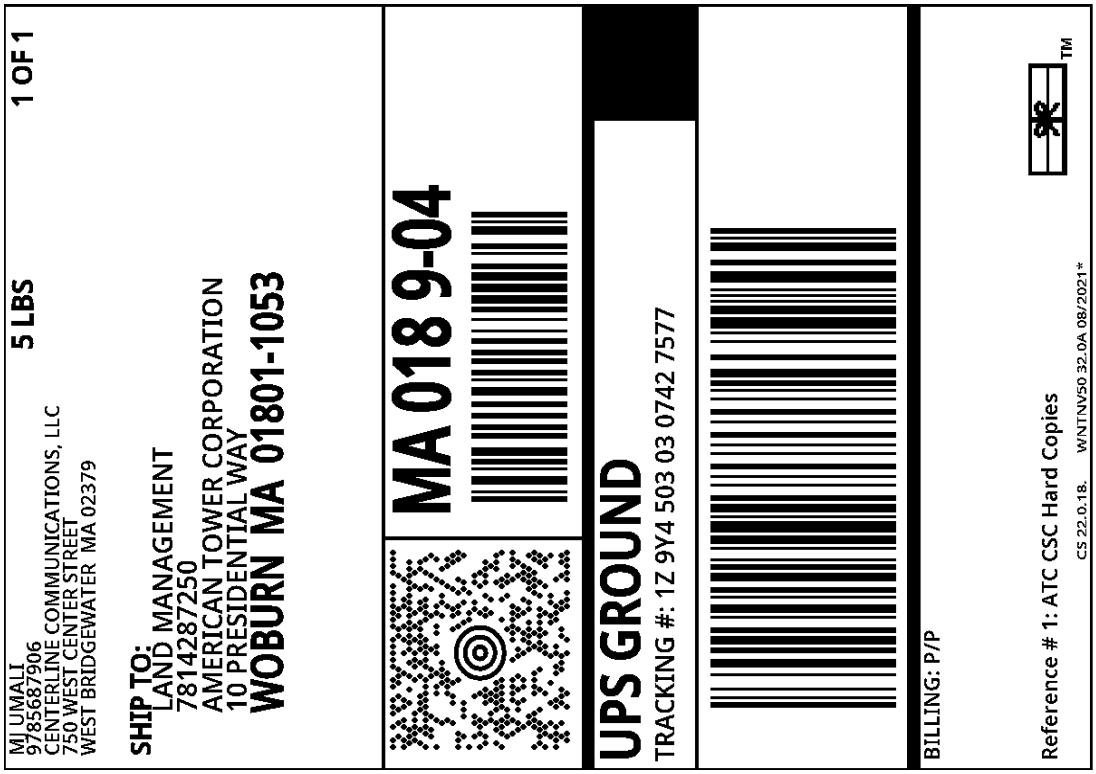
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To 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.

UPS Access Point™
CVS STORE # 972
555 WASHINGTON ST
SOUTH EASTON ,MA 02375

UPS Access Point™
CVS STORE # 7232
689 DEPOT ST
NORTH EASTON ,MA 02356

UPS Access Point™
TOWN LINE GENERAL STORE
450 E CENTER ST
WEST BRIDGEWATER ,MA 02379

FOLD HERE



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.

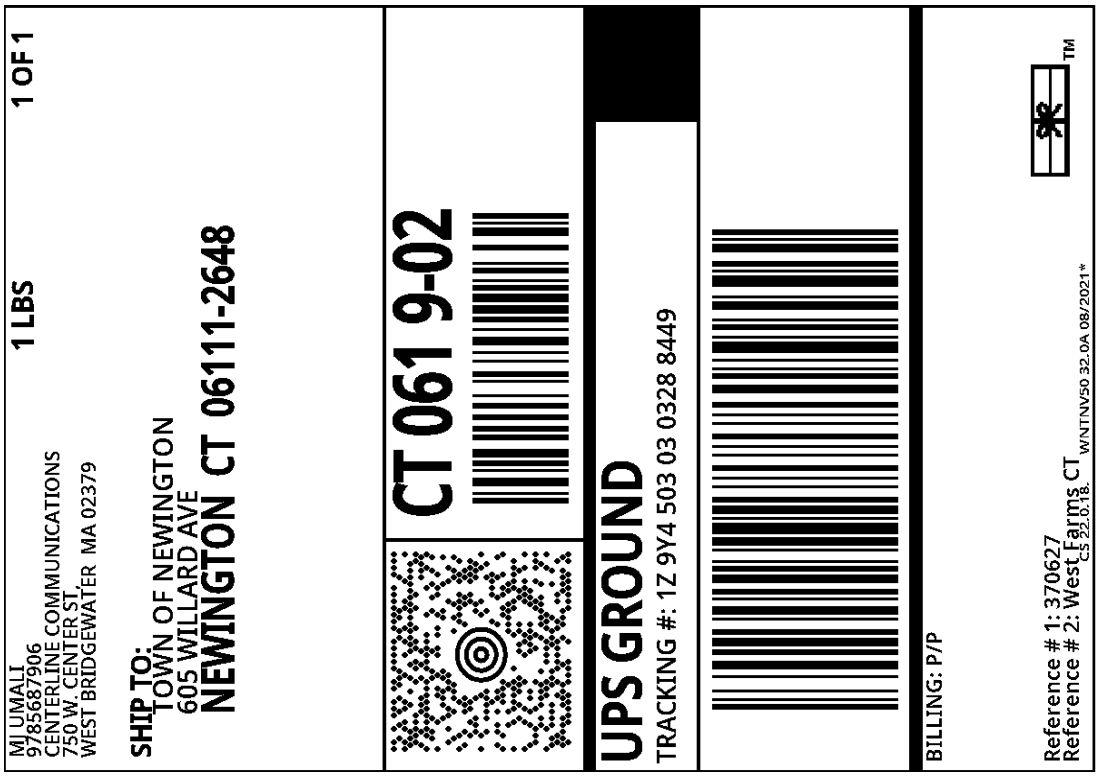
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To 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.

UPS Access Point™
CVS STORE # 972
555 WASHINGTON ST
SOUTH EASTON ,MA 02375

UPS Access Point™
CVS STORE # 7232
689 DEPOT ST
NORTH EASTON ,MA 02356

UPS Access Point™
TOWN LINE GENERAL STORE
450 E CENTER ST
WEST BRIDGEWATER ,MA 02379

FOLD HERE



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	**179 ft Monopole**
ATC Site Name	:	**Newington CT, CT**
ATC Asset Number	:	**370627**
Engineering Number	:	**13668695_C3_03**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**WEST FARMS CT**
Carrier Site Number	:	**469196**
Site Location	:	**605 Willard Ave.** **Newington, CT 06111-0000** **41.698400,-72.737100**
County	:	**Hartford**
Date	:	**July 8, 2021**
Max Usage	:	**69%**
Result	:	**Pass**

Prepared By:
Hussam Al Tahan
Structural Engineer II

Hussam Al Tahan

Reviewed By:

COA: PEC.0001553

AMERICAN TOWER®
CORPORATION

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 179 ft monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	PiRod Engineering File #A-118092, dated August 10, 2001
Foundation Drawing	PiRod Engineering File #A-118092, dated August 10, 2001
Geotechnical Report	Clarence Welti, dated August 1, 2001
Mount Analysis	Maser Consulting Project #21777585A, dated June 24, 2021

Analysis

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

Basic Wind Speed:	118 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1 1/2" 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
Spectral Response:	Ss = 0.19, S_1 = 0.05
Site Class:	D - Stiff Soil

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
189.0	1	Generic 18' Dipole	Low Profile Platform	-	TOWN OF NEWINGTON, CT
180.0	1	Generic 10' Omni		(3) 7/8" Coax	
	1	Generic 5' Dipole			
	1	Generic 8' Yagi			
170.0	3	Ericsson RRUS 4415 B25	Platform with Handrails	(3) 1 1/4" (1.25"-31.8mm) Fiber (1) 1 5/8" Hybriflex	T-MOBILE
	3	Ericsson Air6449 B41			
	3	Ericsson AIR32 B66Aa/B2a			
	3	Ericsson Radio 4449 B71 B85A			
	3	RFS APXVAARR24_43-U-NA20			
154.0	3	Ericsson RRUS 12	Triangular Platform with Handrails	(4) 0.39" (10mm) Fiber Trunk (8) 0.78" (19.7mm) 8 AWG 6 (6) 1 5/8" Coax (3) 2" conduit (1) 3/8" (0.38"-9.5mm) RET Control Cable	AT&T MOBILITY
	1	Raycap DC6-48-60-0-8F (31.4" Height)			
	3	Kathrein Scala 800 10121			
	1	Quintel QS66512-2			
	1	CCI OPA-65R-LCUU-H6			
	1	CCI DMP65R-BU6DA			
	3	Ericsson RRUS 32 B2			
	3	Ericsson RRUS 32 B30			
	3	Ericsson RRUS 4449 B5, B12			
	3	Ericsson RRUS 4478 B14			
	3	Ericsson RRUS 8843 B2, B66A			
	2	CCI OPA-65R-LCUU-H8 (92.7")			
	6	Powerwave Allgon LGP21401			
	2	CCI TPA-65R-LCUUUU-H8			
	2	CCI DMP65R-BU8D			
	2	Raycap DC6-48-60-18-8F ("Squid")			
140.0	3	Alcatel-Lucent TD-RRH8x20	Low Profile Platform	(4) 1 1/4" Hybriflex Cable	SPRINT NEXTEL
	3	Alcatel-Lucent 1900MHz RRH			
	3	Alcatel-Lucent 800 MHz 2X50W RRH w/ Filter			
	2	RFS APXVSPP18-C-A20			
	3	RFS APXVTM14-C-I20 (56.2 lbs)			
	1	RFS APXV9ERR18-C-A20			
110.0	3	Samsung B2/B66A RRH-BR049	Platform with Handrails	(6) 1 5/8" Coax (2) 1 5/8" Hybriflex	VERIZON WIRELESS
	3	Samsung B5/B13 RRH-BR04C			
	3	Antel BXA-80063/4CF ___ 5°			
	6	Commscope SBNHH-1D65B (40.6 lbs)			

Equipment to be Removed

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
110.0	2	RFS DB-T1-6Z-8AB-0Z	-	(6) 1 5/8" Coax	VERIZON WIRELESS
	3	Antel BXA-70063/4CF			

Proposed Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
110.0	3	Samsung MT6407-77A	Triangular Platform with Handrails with Reinforcement	-	VERIZON WIRELESS
	2	Raycap RRFDC-3315-PF-48			

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

Install proposed coax inside the pole shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	69%	Pass
Shaft	66%	Pass
Base Plate	57%	Pass

Foundations

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	4,601.2	6,211.6	3,856.1	62%
Shear (Kips)	37.2	50.2	30.4	61%
* The design reactions are factored by 1.35 per ANSI/TIA-222-H, Sec. 15.6.2				

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

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
110.0	Raycap RRFDC-3315-PF-48	VERIZON WIRELESS	0.886	1.026
	Samsung MT6407-77A			

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

AMERICAN TOWER®
CORPORATION

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:

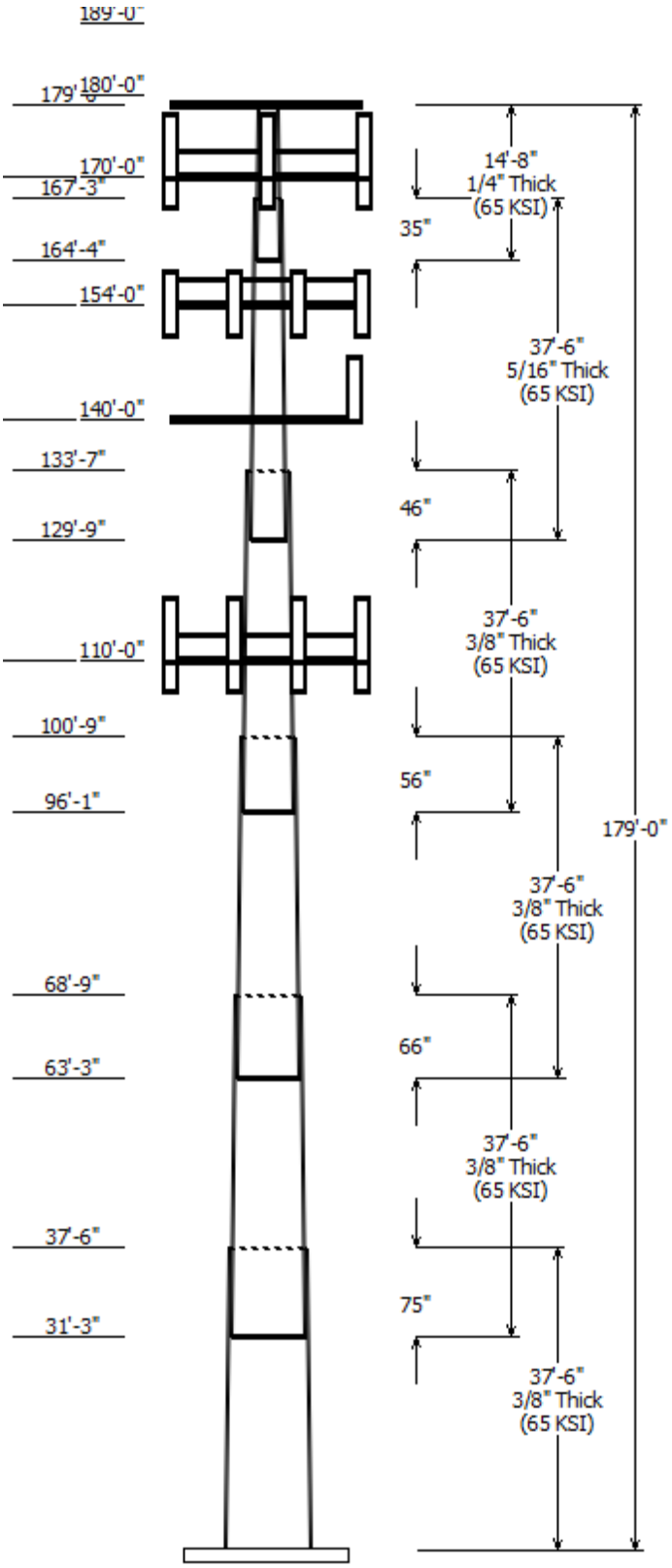
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

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

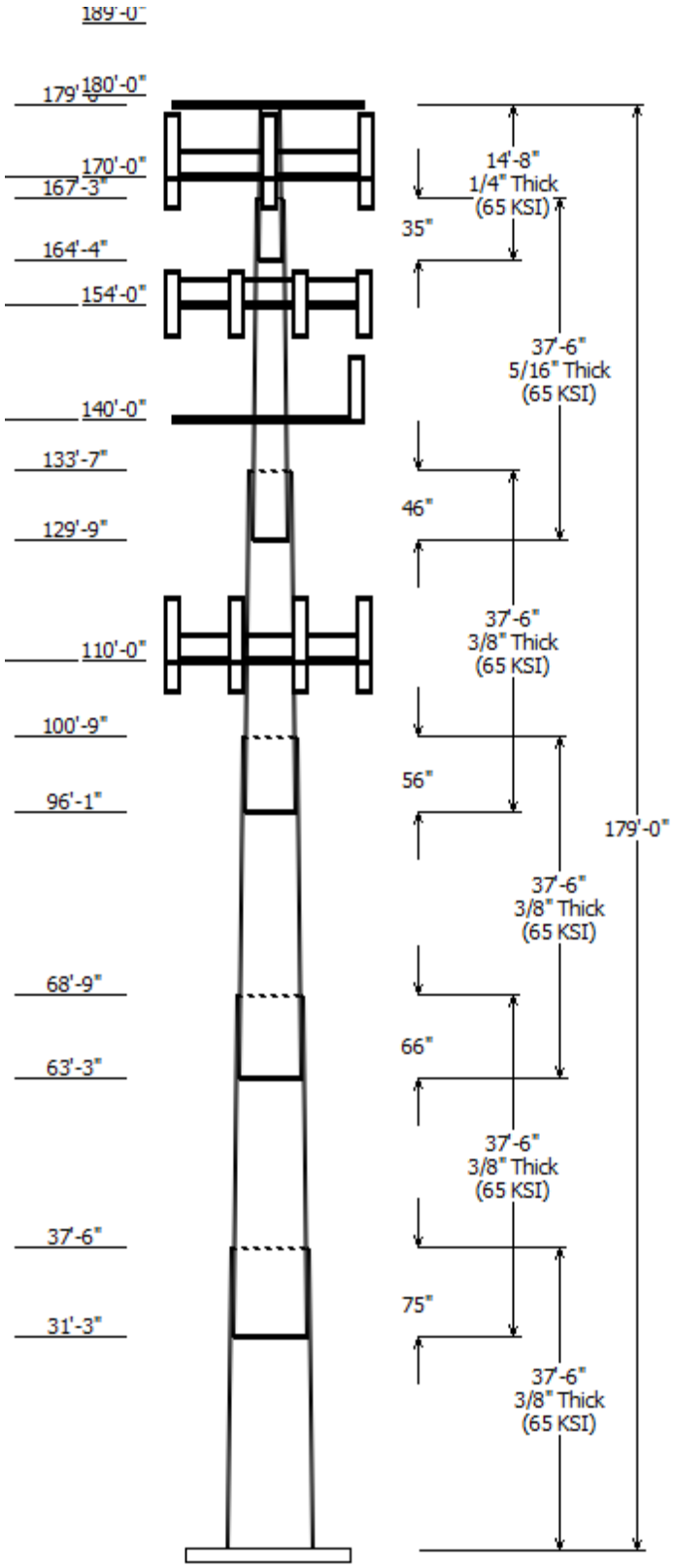
Client :	VERIZON WIRELESS		
Pole :	370627	Code:	ANSI/TIA-222-H
Location :	Newington CT, CT		
Description :	179' Pirod Monopole	Risk Category :	II
Shape :	18 Sides	Exposure :	B
Height :	179.00 (ft)	Topo Method :	Method 1
Base Elev (ft):	0.00	Topographic Category :	1
Taper:	0.303771 (in/ft)		

Sections Properties

Shaft Section	Length (ft)	Diameter (in) Accross Flats Top	Bottom	Thick (in)	Joint Type	Overlap Length (in)	Shape	Steel Grade (ksi)
1	37.500	51.60	63.00	0.375		0.000	18 Sides	65
2	37.500	42.86	54.25	0.375	Slip Joint	75.000	18 Sides	65
3	37.500	33.89	45.28	0.375	Slip Joint	66.000	18 Sides	65
4	37.500	24.67	36.06	0.375	Slip Joint	56.000	18 Sides	65
5	37.500	15.06	26.46	0.313	Slip Joint	46.000	18 Sides	65
6	14.667	12.00	16.45	0.250	Slip Joint	35.000	18 Sides	65

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
189.000	189.000	1	Generic 18' Dipole
180.000	180.000	1	Generic 8' Yagi
180.000	180.000	1	Generic 10' Omni
180.000	180.000	1	Generic 5' Dipole
179.000	179.000	1	Round Low Profile Platform
170.000	173.000	3	RFS APXVAARR24_43-U-NA20
170.000	170.000	3	Ericsson AIR32 B66Aa/B2a
170.000	170.000	3	Ericsson Air6449 B41
170.000	170.000	3	Ericsson RRUS 4415 B25
170.000	170.000	3	Ericsson Radio 4449 B71 B85A
170.000	170.000	1	Generic Round Platform with
154.000	154.000	2	CCI DMP65R-BU8D
154.000	154.000	2	CCI TPA-65R-LCUUUU-H8
154.000	154.000	2	CCI OPA-65R-LCUU-H8 (92.7")
154.000	154.000	1	CCI DMP65R-BU6DA
154.000	154.000	1	CCI OPA-65R-LCUU-H6
154.000	154.000	1	Quintel QS66512-2
154.000	154.000	1	Raycap DC6-48-60-0-8F (31.4" H
154.000	154.000	3	Ericsson RRUS 12
154.000	154.000	3	Ericsson RRUS 32 B2
154.000	154.000	3	Kathrein Scala 800 10121
154.000	154.000	3	Ericsson RRUS 32 B30
154.000	154.000	3	Ericsson RRUS 4449 B5, B12
154.000	154.000	3	Ericsson RRUS 4478 B14
154.000	154.000	3	Ericsson RRUS 8843 B2, B66A
154.000	154.000	2	Raycap DC6-48-60-18-8F
154.000	154.000	6	Powerwave Allgon LGP21401
154.000	154.000	1	Site Pro 1 RMQLP-4120-H10 Plat
140.000	143.000	1	RFS APXV9ERR18-C-A20
140.000	143.000	2	RFS APXVSPP18-C-A20
140.000	143.000	3	RFS APXVTM14-C-I20 (56.2 lbs)
140.000	143.000	3	Alcatel-Lucent TD-RRH8x20
140.000	143.000	3	Alcatel-Lucent 1900MHz RRH
140.000	143.000	3	Alcatel-Lucent 800 MHz 2X50W
140.000	140.000	1	Round Low Profile Platform
110.000	110.000	2	Raycap RRFDC-3315-PF-48
110.000	110.000	3	Samsung B5/B13 RRH-BR04C
110.000	110.000	3	Samsung B2/B66A RRH-BR049
110.000	110.000	1	Generic Flat Platform with Han
110.000	113.000	6	Commscope SBNHH-1D65B
110.000	110.000	3	Samsung MT6407-77A



110.000	113.000	3	Antel BXA-80063/4CF ___ 5°
110.000	110.000	1	Generic Mount Reinforcement

Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
0.000	110.0	1 5/8" Coax	No
0.000	110.0	1 5/8" Hybriflex	No
0.000	140.0	1 1/4" Hybriflex	No
0.000	154.0	0.39" (10mm)	No
0.000	154.0	0.78" (19.7mm) 8	No
0.000	154.0	1 5/8" Coax	No
0.000	154.0	2" conduit	No
0.000	154.0	3/8" (0.38"-	No
0.000	170.0	1 1/4" (1.25"-	No
0.000	170.0	1 5/8" Hybriflex	No
0.000	180.0	7/8" Coax	No

Load Cases

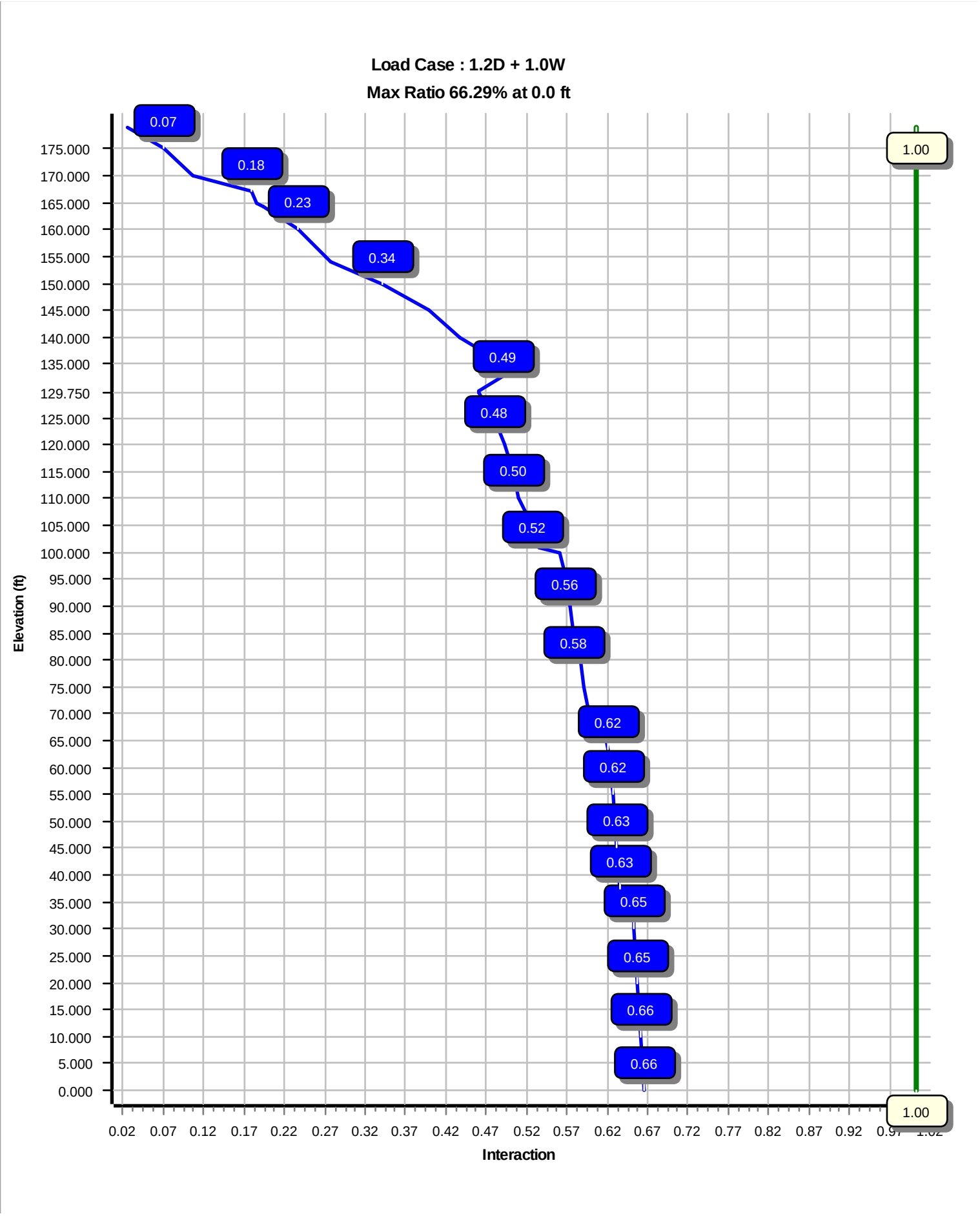
1.2D + 1.0W	118 mph with No Ice
0.9D + 1.0W	118 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.50 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	3856.11	30.39	62.73
0.9D + 1.0W	3787.52	30.37	47.04
1.2D + 1.0Di + 1.0Wi	1223.73	9.18	92.01
1.2D + 1.0Ev + 1.0Eh	235.11	1.57	63.15
0.9D - 1.0Ev + 1.0Eh	229.68	1.57	43.67
1.0D + 1.0W	883.56	7.03	52.31

Dish Deflections

Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
	0.00	0.000	0.000


Load Case : 1.2D + 1.0W
Max Ratio 66.29% at 0.0 ft
0.07
0.18
0.23
0.34
0.49
0.48
0.50
0.52
0.56
0.58
0.62
0.62
0.63
0.63
0.65
0.65
0.66
0.66
1.00
1.00
175.000
170.000
165.000
160.000
155.000
150.000
145.000
140.000
135.000
129.750
125.000
120.000
115.000
110.000
105.000
100.000
95.000
90.000
85.000
80.000
75.000
70.000
65.000
60.000
55.000
50.000
45.000
40.000
35.000
30.000
25.000
20.000
15.000
10.000
5.000
0.000
Elevation (ft)
0.02
0.07
0.12
0.17
0.22
0.27
0.32
0.37
0.42
0.47
0.52
0.57
0.62
0.67
0.72
0.77
0.82
0.87
0.92
Interaction

Site Number: 370627 Code: ANSI/TIA-222-H

Site Name: Newington CT, CT Engineering Number:13668695_C3_03 7/8/2021 10:26:19 PM

Customer: VERIZON WIRELESS

Analysis Parameters

Location :	Hartford County, CT	Height (ft) :	179
Code :	ANSI/TIA-222-H	Base Diameter (in) :	63.00
Shape :	18 Sides	Top Diameter (in) :	12.00
Pole Type :	Taper	Taper (in/ft) :	0.304
Pole Manfacturer :	Pirod	Rotation (deg) :	0.00
Kd (non-service) :	0.95	Ke :	1.00

Ice & Wind Parameters

Exposure Category:	B	Design Wind Speed Without Ice:	118 mph
Risk Category:	II	Design Wind Speed With Ice:	50 mph
Topographic Factor Procedure:	Method 1	Operational Wind Speed:	60 mph
Topographic Category:	1	Design Ice Thickness:	1.50 in
Crest Height:	0 ft	HMSL:	103.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil				
Period Based on Rayleigh Method (sec):	3.15				
T_L (sec):	6	p:	1	C_s:	0.030
S_s:	0.194	S_1:	0.055	C_s Max:	0.030
F_a:	1.600	F_v:	2.400	C_s Min:	0.030
S_{ds}:	0.207	S_{d1}:	0.088		

Load Cases

1.2D + 1.0W	118 mph with No Ice
0.9D + 1.0W	118 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.50 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

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 (ft)	Top Area (in²)	Top Ix (in⁴)	Top W/t Ratio	Top D/t Ratio	Taper (in/ft)
1-18	37.500	0.3750	65		0.00	8,646	63.00	0.00	74.54	36933.4	27.86	168.00	51.60	37.50	60.98	20222.7	22.50	137.62	0.303771
2-18	37.500	0.3750	65	Slip	75.00	7,318	54.25	31.25	64.13	23524.0	23.75	144.69	42.86	68.75	50.57	11536.1	18.39	114.31	0.303771
3-18	37.500	0.3750	65	Slip	66.00	5,956	45.28	63.25	53.45	13622.2	19.53	120.76	33.89	100.75	39.90	5663.6	14.17	90.39	0.303771
4-18	37.500	0.3750	65	Slip	56.00	4,555	36.06	96.08	42.48	6834.9	15.19	96.17	24.67	133.58	28.92	2156.7	9.84	65.79	0.303771
5-18	37.500	0.3125	65	Slip	46.00	2,589	26.46	129.75	25.93	2240.4	13.17	84.67	15.06	167.25	14.64	402.7	6.74	48.22	0.303771
6-18	14.667	0.2500	65	Slip	35.00	554	16.45	164.33	12.86	426.6	9.84	65.82	12.00	179.00	9.32	162.6	6.70	48.00	0.303771
				Shaft Weight		29,617													

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
189.00	Generic 18' Dipole	1	1.00	0.000	55.00	6.770	1.00	258.06	17.658	1.00
180.00	Generic 5' Dipole	1	1.00	0.000	15.00	1.740	1.00	72.45	4.037	1.00
180.00	Generic 10' Omni	1	1.00	0.000	25.00	3.000	1.00	102.33	6.666	1.00
180.00	Generic 8' Yagi	1	1.00	0.000	30.00	12.000	1.00	375.04	46.025	1.00
179.00	Round Low Profile Platform	1	1.00	0.000	1,500.00	21.700	1.00	2,160.05	41.260	1.00
170.00	Ericsson Radio 4449 B71 B85A	3	0.80	0.000	75.00	1.650	0.50	135.97	2.511	0.50
170.00	Ericsson RRUS 4415 B25	3	0.80	0.000	46.00	1.842	0.50	95.71	2.751	0.50
170.00	Ericsson Air6449 B41	3	0.80	0.000	104.00	5.682	0.63	242.17	7.291	0.63
170.00	Ericsson AIR32 B66Aa/B2a	3	0.80	0.000	132.20	6.510	0.71	294.02	8.731	0.71
170.00	RFS APXVAARR24_43-U-NA20	3	0.80	3.000	127.90	20.243	0.63	525.92	24.003	0.63
170.00	Generic Round Platform with	1	1.00	0.000	2,500.00	27.200	1.00	4,142.16	51.983	1.00
154.00	Powerwave Allgon LGP21401	6	0.75	0.000	14.10	1.104	0.50	39.13	1.820	0.50
154.00	Raycap DC6-48-60-18-8F	2	0.75	0.000	31.80	1.470	1.00	93.71	2.171	1.00
154.00	Ericsson RRUS 8843 B2, B66A	3	0.75	0.000	72.00	1.639	0.50	133.50	2.487	0.50
154.00	Ericsson RRUS 4478 B14	3	0.75	0.000	59.90	1.842	0.50	115.38	2.742	0.50
154.00	Ericsson RRUS 4449 B5, B12	3	0.75	0.000	71.00	1.969	0.50	135.67	2.905	0.50
154.00	Ericsson RRUS 32 B30	3	0.75	0.000	60.00	2.743	0.67	133.82	3.916	0.67
154.00	Ericsson RRUS 32 B2	3	0.75	0.000	53.00	2.743	0.67	126.80	3.916	0.67
154.00	Ericsson RRUS 12	3	0.75	0.000	50.00	3.145	0.62	131.16	4.308	0.62
154.00	Raycap DC6-48-60-0-8F (31.4"	1	0.75	0.000	16.00	4.788	1.00	145.97	6.264	1.00
154.00	Kathrein Scala 800 10121	3	0.75	0.000	46.30	5.162	0.68	161.32	7.276	0.68
154.00	Quintel QS66512-2	1	0.75	0.000	111.00	8.133	1.00	310.95	10.930	1.00
154.00	CCI OPA-65R-LCUU-H6	1	0.75	0.000	73.00	9.658	1.00	277.21	12.439	1.00
154.00	CCI DMP65R-BU6DA	1	0.75	0.000	79.40	12.709	1.00	337.87	15.507	1.00
154.00	CCI OPA-65R-LCUU-H8 (92.7")	2	0.75	0.000	88.00	12.746	0.75	337.13	16.354	0.75
154.00	CCI TPA-65R-LCUUUU-H8	2	0.75	0.000	81.60	13.298	0.77	359.32	17.044	0.77
154.00	CCI DMP65R-BU8D	2	0.75	0.000	95.70	17.871	0.72	436.73	21.569	0.72
154.00	Site Pro 1 RMQLP-4120-H10	1	1.00	0.000	3,250.00	27.200	1.00	5,362.76	51.727	1.00
140.00	Alcatel-Lucent 800 MHz 2X50W	3	0.80	3.000	64.00	2.058	0.67	140.53	3.009	0.67
140.00	Alcatel-Lucent 1900MHz RRH	3	0.80	3.000	44.00	3.258	0.72	152.22	4.439	0.72
140.00	Alcatel-Lucent TD-RRH8x20	3	0.80	3.000	66.10	3.690	0.60	148.99	4.951	0.60
140.00	RFS APXVTM14-C-I20 (56.2 lbs)	3	0.80	3.000	56.20	6.342	0.66	192.91	8.506	0.66
140.00	RFS APXVSPP18-C-A20	2	0.80	3.000	57.00	8.024	0.77	228.35	10.795	0.77
140.00	RFS APXV9ERR18-C-A20	1	0.80	3.000	62.00	8.024	1.00	241.91	10.795	1.00
140.00	Round Low Profile Platform	1	1.00	0.000	1,500.00	21.700	1.00	2,143.60	40.772	1.00
110.00	Samsung B2/B66A RRH-BR049	3	0.75	0.000	84.40	1.875	0.50	146.23	2.750	0.50
110.00	Samsung B5/B13 RRH-BR04C	3	0.75	0.000	70.30	1.875	0.50	125.74	2.750	0.50
110.00	Raycap RRFDC-3315-PF-48	2	0.75	0.000	26.90	2.512	0.67	104.11	3.521	0.67
110.00	Antel BXA-80063/4CF ___ 5°	3	0.75	3.000	9.90	4.708	0.64	121.39	5.634	0.64
110.00	Samsung MT6407-77A	3	0.75	0.000	81.60	4.709	0.61	180.39	6.181	0.61
110.00	Generic Mount Reinforcement	1	1.00	0.000	200.00	7.500	1.00	387.57	14.757	1.00
110.00	Commscope SBNHH-1D65B	6	0.75	3.000	40.60	8.079	0.69	209.58	10.779	0.69
110.00	Generic Flat Platform with	1	1.00	0.000	2,500.00	42.400	1.00	4,221.79	62.727	1.00

Totals Num Loadings:43 99 17,128.00 35,470.20

Linear Appurtenance Properties

Load Case Azimuth (deg) : 0

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	180.00	3	7/8" Coax	1.09	0.33	N	0	0.00	0.00	0	0.00	N	TOWN OF
0.00	170.00	3	1 1/4" (1.25"- 31.8mm)	1.25	1.05	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	170.00	1	1 5/8" Hybriflex	1.98	1.30	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	154.00	4	0.39" (10mm) Fiber	0.39	0.06	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	154.00	8	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	154.00	6	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	154.00	3	2" conduit	2.38	3.65	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	154.00	1	3/8" (0.38"- 9.5mm)	0.38	0.23	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	140.00	4	1 1/4" Hybriflex Cable	1.54	1.00	N	0	0.00	0.00	0	0.00	N	SPRINT NEXTEL
0.00	110.00	6	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	VERIZON WIRELESS
0.00	110.00	2	1 5/8" Hybriflex	1.98	1.30	N	0	0.00	0.00	0	0.00	N	VERIZON WIRELESS

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		0.3750	63.000	74.537	36,933.4	27.86	168.00	68.6	1154.	0.0	0.0
5.00		0.3750	61.481	72.729	34,310.8	27.15	163.95	69.5	1099.	0.0	1,252.8
10.00		0.3750	59.962	70.921	31,815.3	26.43	159.90	70.3	1045.	0.0	1,222.0
15.00		0.3750	58.443	69.113	29,443.9	25.72	155.85	71.2	992.3	0.0	1,191.3
20.00		0.3750	56.925	67.306	27,193.4	25.00	151.80	72.0	940.9	0.0	1,160.5
25.00		0.3750	55.406	65.498	25,060.6	24.29	147.75	72.8	890.9	0.0	1,129.8
30.00		0.3750	53.887	63.690	23,042.3	23.57	143.70	73.7	842.2	0.0	1,099.0
31.25	Bot - Section 2	0.3750	53.507	63.238	22,555.3	23.40	142.69	73.9	830.3	0.0	269.9
35.00		0.3750	52.368	61.882	21,135.4	22.86	139.65	74.5	794.9	0.0	1,608.0
37.50	Top - Section 1	0.3750	52.359	61.871	21,123.9	22.86	139.62	74.5	794.6	0.0	1,052.8
40.00		0.3750	51.599	60.967	20,211.6	22.50	137.60	74.9	771.5	0.0	522.5
45.00		0.3750	50.080	59.160	18,466.5	21.78	133.55	75.8	726.3	0.0	1,021.9
50.00		0.3750	48.561	57.352	16,824.8	21.07	129.50	76.6	682.4	0.0	991.2
55.00		0.3750	47.043	55.544	15,283.5	20.36	125.45	77.5	639.9	0.0	960.4
60.00		0.3750	45.524	53.736	13,839.3	19.64	121.40	78.3	598.8	0.0	929.6
63.25	Bot - Section 3	0.3750	44.536	52.561	12,951.1	19.18	118.76	78.8	572.8	0.0	587.8
65.00		0.3750	44.005	51.929	12,489.0	18.93	117.35	79.1	559.0	0.0	627.5
68.75	Top - Section 2	0.3750	43.616	51.465	12,157.8	18.75	116.31	79.4	549.0	0.0	1,319.4
70.00		0.3750	43.236	51.014	11,840.3	18.57	115.30	79.6	539.4	0.0	217.9
75.00		0.3750	41.717	49.206	10,625.7	17.85	111.25	80.4	501.7	0.0	852.6
80.00		0.3750	40.198	47.398	9,497.0	17.14	107.20	81.2	465.3	0.0	821.8
85.00		0.3750	38.679	45.590	8,451.3	16.42	103.15	82.1	430.4	0.0	791.0
90.00		0.3750	37.161	43.783	7,485.3	15.71	99.09	82.6	396.7	0.0	760.3
95.00		0.3750	35.642	41.975	6,595.9	15.00	95.04	82.6	364.5	0.0	729.5
96.08	Bot - Section 4	0.3750	35.313	41.583	6,412.9	14.84	94.17	82.6	357.7	0.0	154.0
100.0		0.3750	34.123	40.167	5,779.8	14.28	90.99	82.6	333.6	0.0	1,101.4
100.7	Top - Section 3	0.3750	34.645	40.788	6,052.3	14.53	92.39	82.6	344.1	0.0	206.6
105.0		0.3750	33.354	39.252	5,393.7	13.92	88.94	82.6	318.5	0.0	578.8
110.0		0.3750	31.835	37.444	4,682.3	13.21	84.89	82.6	289.7	0.0	652.4
115.0		0.3750	30.316	35.636	4,036.4	12.49	80.84	82.6	262.2	0.0	621.7
120.0		0.3750	28.797	33.829	3,452.7	11.78	76.79	82.6	236.2	0.0	590.9
125.0		0.3750	27.279	32.021	2,928.3	11.06	72.74	82.6	211.4	0.0	560.2
129.7	Bot - Section 5	0.3750	25.836	30.304	2,481.9	10.38	68.90	82.6	189.2	0.0	503.7
130.0		0.3750	25.760	30.213	2,459.8	10.35	68.69	82.6	188.1	0.0	47.8
133.5	Top - Section 4	0.3125	25.296	24.780	1,954.2	12.51	80.95	82.6	152.2	0.0	669.2
135.0		0.3125	24.866	24.353	1,854.9	12.27	79.57	82.6	146.9	0.0	118.4
140.0		0.3125	23.347	22.847	1,531.6	11.41	74.71	82.6	129.2	0.0	401.5
145.0		0.3125	21.828	21.340	1,248.1	10.55	69.85	82.6	112.6	0.0	375.9
150.0		0.3125	20.309	19.834	1,002.0	9.70	64.99	82.6	97.2	0.0	350.3
154.0		0.3125	19.094	18.629	830.2	9.01	61.10	82.6	85.6	0.0	261.8
155.0		0.3125	18.791	18.327	790.6	8.84	60.13	82.6	82.9	0.0	62.9
160.0		0.3125	17.272	16.821	611.2	7.98	55.27	82.6	69.7	0.0	299.0
164.3	Bot - Section 6	0.3125	15.955	15.515	479.7	7.24	51.06	82.6	59.2	0.0	238.4
165.0		0.3125	15.753	15.314	461.3	7.13	50.41	82.6	57.7	0.0	64.0
167.2	Top - Section 5	0.2500	15.569	12.155	360.4	9.22	62.28	82.6	45.6	0.0	209.8
170.0		0.2500	14.734	11.493	304.6	8.63	58.94	82.6	40.7	0.0	110.6
175.0		0.2500	13.215	10.287	218.5	7.56	52.86	82.6	32.6	0.0	185.3
179.0		0.2500	12.000	9.323	162.6	6.70	48.00	82.6	26.7	0.0	133.5
											29,617.5

Load Case: 1.2D + 1.0W — 118 mph with No Ice — 27 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.20
Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		249.7	0.0					0.0	0.0	249.7	0.0	0.0	0.0
5.00		493.3	1,503.3					0.0	228.1	493.3	1,731.5	0.0	0.0
10.00		481.1	1,466.4					0.0	228.1	481.1	1,694.5	0.0	0.0
15.00		468.9	1,429.5					0.0	228.1	468.9	1,657.6	0.0	0.0
20.00		456.7	1,392.6					0.0	228.1	456.7	1,620.7	0.0	0.0
25.00		444.5	1,355.7					0.0	228.1	444.5	1,583.8	0.0	0.0
30.00		273.4	1,318.8					0.0	228.1	273.4	1,546.9	0.0	0.0
31.25	Bot - Section 2	220.5	323.9					0.0	57.0	220.5	381.0	0.0	0.0
35.00		278.1	1,929.6					0.0	171.1	278.1	2,100.7	0.0	0.0
37.50	Top - Section 1	224.0	1,263.3					0.0	114.1	224.0	1,377.4	0.0	0.0
40.00		337.8	627.0					0.0	114.1	337.8	741.0	0.0	0.0
45.00		451.3	1,226.3					0.0	228.1	451.3	1,454.4	0.0	0.0
50.00		451.0	1,189.4					0.0	228.1	451.0	1,417.5	0.0	0.0
55.00		449.0	1,152.5					0.0	228.1	449.0	1,380.6	0.0	0.0
60.00		368.1	1,115.6					0.0	228.1	368.1	1,343.7	0.0	0.0
63.25	Bot - Section 3	223.0	705.3					0.0	148.3	223.0	853.6	0.0	0.0
65.00		245.9	753.0					0.0	79.8	245.9	832.9	0.0	0.0
68.75	Top - Section 2	222.7	1,583.2					0.0	171.1	222.7	1,754.3	0.0	0.0
70.00		274.8	261.5					0.0	57.0	274.8	318.6	0.0	0.0
75.00		435.1	1,023.1					0.0	228.1	435.1	1,251.2	0.0	0.0
80.00		427.1	986.2					0.0	228.1	427.1	1,214.3	0.0	0.0
85.00		418.1	949.3					0.0	228.1	418.1	1,177.4	0.0	0.0
90.00		408.3	912.3					0.0	228.1	408.3	1,140.5	0.0	0.0
95.00		244.6	875.4					0.0	228.1	244.6	1,103.6	0.0	0.0
96.08	Bot - Section 4	199.4	184.8					0.0	49.4	199.4	234.2	0.0	0.0
100.00		186.0	1,321.7					0.0	178.7	186.0	1,500.4	0.0	0.0
100.75	Top - Section 3	194.6	247.9					0.0	34.2	194.6	282.1	0.0	0.0
105.00		353.5	694.5					0.0	193.9	353.5	888.4	0.0	0.0
110.00	Appurtenance(s)	370.5	782.9	3,588.4	0.0	3,630.4	4,483.2	0.0	228.1	3,958.9	5,494.3	0.0	0.0
115.00		357.3	746.0					0.0	183.0	357.3	929.0	0.0	0.0
120.00		343.6	709.1					0.0	183.0	343.6	892.1	0.0	0.0
125.00		321.4	672.2					0.0	183.0	321.4	855.2	0.0	0.0
129.75	Bot - Section 5	161.2	604.4					0.0	173.9	161.2	778.3	0.0	0.0
130.00		121.6	57.3					0.0	9.2	121.6	66.5	0.0	0.0
133.58	Top - Section 4	157.3	803.1					0.0	131.1	157.3	934.2	0.0	0.0
135.00		193.3	142.1					0.0	51.9	193.3	194.0	0.0	0.0
140.00	Appurtenance(s)	291.1	481.8	2,525.4	0.0	4,947.9	2,840.3	0.0	183.0	2,816.5	3,505.1	0.0	0.0
145.00		274.9	451.1					0.0	159.0	274.9	610.1	0.0	0.0
150.00		233.9	420.3					0.0	159.0	233.9	579.3	0.0	0.0
154.00	Appurtenance(s)	124.9	314.1	5,561.3	0.0	0.0	6,533.8	0.0	127.2	5,686.2	6,975.1	0.0	0.0
155.00		140.6	75.5					0.0	6.5	140.6	82.0	0.0	0.0
160.00		209.9	358.8					0.0	32.6	209.9	391.4	0.0	0.0
164.33	Bot - Section 6	107.9	286.1					0.0	28.3	107.9	314.4	0.0	0.0
165.00		61.1	76.7					0.0	4.4	61.1	81.1	0.0	0.0
167.25	Top - Section 5	101.7	251.8					0.0	14.7	101.7	266.4	0.0	0.0
170.00	Appurtenance(s)	147.3	132.8	3,492.6	0.0	3,938.4	4,746.4	0.0	18.0	3,639.8	4,897.1	0.0	0.0
175.00		159.7	222.3					0.0	5.9	159.7	228.3	0.0	0.0
179.00	Appurtenance(s)	67.2	160.2	939.9	0.0	0.0	1,800.0	0.0	4.8	1,007.1	1,964.9	0.0	0.0

Load Case: 1.2D + 1.0W — 118 mph with No Ice — 27 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.20
Wind Load Factor :1.00

Totals:	29,534.5	62,621.5	0.00	0.00

Load Case: 1.2D + 1.0W — 118 mph with No Ice — 27 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	-62.73	-30.39	0.00	-3,856.11	0.00	3,856.11	4,604.11	1,308.12	7,398.90	5,943.65	0.00	0.00	0.663
5.00	-60.92	-30.05	0.00	-3,704.16	0.00	3,704.16	4,547.42	1,276.39	7,044.39	5,727.25	0.08	-0.15	0.661
10.00	-59.15	-29.72	0.00	-3,553.91	0.00	3,553.91	4,488.01	1,244.67	6,698.58	5,511.07	0.31	-0.30	0.659
15.00	-57.42	-29.40	0.00	-3,405.30	0.00	3,405.30	4,425.86	1,212.94	6,361.48	5,295.36	0.71	-0.45	0.657
20.00	-55.72	-29.09	0.00	-3,258.30	0.00	3,258.30	4,360.98	1,181.22	6,033.07	5,080.38	1.27	-0.61	0.655
25.00	-54.05	-28.79	0.00	-3,112.86	0.00	3,112.86	4,293.36	1,149.49	5,713.38	4,866.38	2.00	-0.78	0.653
30.00	-52.46	-28.59	0.00	-2,968.93	0.00	2,968.93	4,223.01	1,117.76	5,402.38	4,653.64	2.91	-0.95	0.651
31.25	-52.03	-28.44	0.00	-2,933.20	0.00	2,933.20	4,205.00	1,109.83	5,325.99	4,600.68	3.16	-1.00	0.651
35.00	-49.88	-28.23	0.00	-2,826.53	0.00	2,826.53	4,149.93	1,086.04	5,100.09	4,442.40	4.00	-1.13	0.649
37.50	-48.46	-28.05	0.00	-2,755.97	0.00	2,755.97	4,149.47	1,085.84	5,098.24	4,441.10	4.62	-1.23	0.633
40.00	-47.66	-27.82	0.00	-2,685.83	0.00	2,685.83	4,111.89	1,069.98	4,950.38	4,336.13	5.29	-1.32	0.632
45.00	-46.13	-27.48	0.00	-2,546.75	0.00	2,546.75	4,034.69	1,038.25	4,661.20	4,127.64	6.77	-1.51	0.629
50.00	-44.63	-27.14	0.00	-2,409.34	0.00	2,409.34	3,954.76	1,006.53	4,380.71	3,921.32	8.45	-1.70	0.626
55.00	-43.17	-26.80	0.00	-2,273.63	0.00	2,273.63	3,872.09	974.80	4,108.94	3,717.40	10.34	-1.90	0.624
60.00	-41.76	-26.51	0.00	-2,139.62	0.00	2,139.62	3,786.70	943.07	3,845.86	3,516.15	12.43	-2.10	0.620
63.25	-40.87	-26.34	0.00	-2,053.46	0.00	2,053.46	3,729.72	922.45	3,679.52	3,386.89	13.91	-2.24	0.618
65.00	-39.99	-26.14	0.00	-2,007.37	0.00	2,007.37	3,698.56	911.35	3,591.48	3,317.83	14.75	-2.32	0.617
68.75	-38.20	-25.92	0.00	-1,909.33	0.00	1,909.33	3,675.54	903.22	3,527.71	3,267.52	16.64	-2.49	0.596
70.00	-37.83	-25.73	0.00	-1,876.93	0.00	1,876.93	3,652.91	895.29	3,466.04	3,218.63	17.30	-2.55	0.594
75.00	-36.50	-25.37	0.00	-1,748.31	0.00	1,748.31	3,560.66	863.56	3,224.77	3,025.21	20.08	-2.76	0.589
80.00	-35.21	-25.03	0.00	-1,621.44	0.00	1,621.44	3,465.68	831.83	2,992.21	2,835.36	23.09	-2.99	0.583
85.00	-33.95	-24.69	0.00	-1,496.30	0.00	1,496.30	3,367.96	800.11	2,768.35	2,649.35	26.35	-3.22	0.576
90.00	-32.74	-24.35	0.00	-1,372.87	0.00	1,372.87	3,252.82	768.38	2,553.19	2,456.33	29.85	-3.46	0.570
95.00	-31.59	-24.12	0.00	-1,251.10	0.00	1,251.10	3,118.51	736.66	2,346.73	2,256.70	33.61	-3.71	0.566
96.08	-31.31	-23.98	0.00	-1,224.96	0.00	1,224.96	3,089.41	729.78	2,303.15	2,214.56	34.46	-3.77	0.564
100.00	-29.77	-23.76	0.00	-1,131.03	0.00	1,131.03	2,984.21	704.93	2,148.98	2,065.52	37.64	-3.98	0.559
100.75	-29.45	-23.62	0.00	-1,113.21	0.00	1,113.21	3,030.38	715.84	2,215.99	2,130.29	38.26	-4.02	0.533
105.00	-28.49	-23.32	0.00	-1,012.85	0.00	1,012.85	2,916.22	688.87	2,052.20	1,971.97	41.94	-4.24	0.525
110.00	-23.23	-19.06	0.00	-892.63	0.00	892.63	2,781.91	657.14	1,867.55	1,793.54	46.52	-4.50	0.507
115.00	-22.25	-18.73	0.00	-797.36	0.00	797.36	2,647.61	625.42	1,691.61	1,623.57	51.36	-4.75	0.500
120.00	-21.30	-18.41	0.00	-703.73	0.00	703.73	2,513.30	593.69	1,524.37	1,462.07	56.47	-5.02	0.491
125.00	-20.40	-18.11	0.00	-611.69	0.00	611.69	2,378.99	561.97	1,365.83	1,309.02	61.87	-5.29	0.477
129.75	-19.60	-17.92	0.00	-525.70	0.00	525.70	2,251.40	531.83	1,223.29	1,171.46	67.26	-5.55	0.459
130.00	-19.51	-17.83	0.00	-521.22	0.00	521.22	2,244.69	530.24	1,216.00	1,164.43	67.55	-5.57	0.457
133.58	-18.55	-17.63	0.00	-457.33	0.00	457.33	1,841.02	434.89	981.50	942.04	71.80	-5.77	0.497
135.00	-18.32	-17.48	0.00	-432.36	0.00	432.36	1,809.31	427.40	947.99	909.67	73.52	-5.85	0.487
140.00	-15.05	-14.38	0.00	-340.04	0.00	340.04	1,697.39	400.96	834.35	799.95	79.80	-6.15	0.435
145.00	-14.41	-14.11	0.00	-268.11	0.00	268.11	1,585.46	374.52	727.97	697.27	86.38	-6.43	0.395
150.00	-13.81	-13.87	0.00	-197.55	0.00	197.55	1,473.54	348.08	628.84	601.65	93.25	-6.70	0.339
154.00	-7.54	-7.41	0.00	-142.07	0.00	142.07	1,384.00	326.93	554.76	530.23	98.93	-6.89	0.274
155.00	-7.46	-7.28	0.00	-134.65	0.00	134.65	1,361.62	321.64	536.96	513.08	100.38	-6.94	0.268
160.00	-7.07	-7.05	0.00	-98.25	0.00	98.25	1,249.70	295.20	452.34	431.55	107.74	-7.15	0.234
164.33	-6.76	-6.91	0.00	-67.71	0.00	67.71	1,152.70	272.29	384.86	366.60	114.29	-7.31	0.191

Load Case: 1.2D + 1.0W 118 mph with No Ice 27 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.20
Wind Load Factor :1.00

165.00	-6.68	-6.85	0.00	-63.10	0.00	63.10	1,137.78	268.77	374.96	357.08	115.31	-7.34	0.183
167.25	-6.42	-6.72	0.00	-47.69	0.00	47.69	903.09	213.33	295.25	282.29	118.78	-7.42	0.177
170.00	-2.04	-2.48	0.00	-25.27	0.00	25.27	853.84	201.69	263.94	252.11	123.07	-7.49	0.103
175.00	-1.83	-2.29	0.00	-12.88	0.00	12.88	764.30	180.54	211.50	201.60	130.94	-7.58	0.066
179.00	0.00	-2.03	0.00	-3.70	0.00	3.70	692.67	163.62	173.72	165.26	137.30	-7.62	0.023

Load Case: 0.9D + 1.0W — 118 mph with No Ice (Reduced DL) — 27 Iterations

Gust Response Factor :1.10
Dead Load Factor :0.90
Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		249.7	0.0					0.0	0.0	249.7	0.0	0.0	0.0
5.00		493.3	1,127.5					0.0	171.1	493.3	1,298.6	0.0	0.0
10.00		481.1	1,099.8					0.0	171.1	481.1	1,270.9	0.0	0.0
15.00		468.9	1,072.1					0.0	171.1	468.9	1,243.2	0.0	0.0
20.00		456.7	1,044.5					0.0	171.1	456.7	1,215.5	0.0	0.0
25.00		444.5	1,016.8					0.0	171.1	444.5	1,187.9	0.0	0.0
30.00		273.4	989.1					0.0	171.1	273.4	1,160.2	0.0	0.0
31.25	Bot - Section 2	220.5	242.9					0.0	42.8	220.5	285.7	0.0	0.0
35.00		278.1	1,447.2					0.0	128.3	278.1	1,575.5	0.0	0.0
37.50	Top - Section 1	224.0	947.5					0.0	85.5	224.0	1,033.0	0.0	0.0
40.00		337.8	470.2					0.0	85.5	337.8	555.8	0.0	0.0
45.00		451.3	919.7					0.0	171.1	451.3	1,090.8	0.0	0.0
50.00		451.0	892.0					0.0	171.1	451.0	1,063.1	0.0	0.0
55.00		449.0	864.4					0.0	171.1	449.0	1,035.4	0.0	0.0
60.00		368.1	836.7					0.0	171.1	368.1	1,007.8	0.0	0.0
63.25	Bot - Section 3	223.0	529.0					0.0	111.2	223.0	640.2	0.0	0.0
65.00		245.9	564.8					0.0	59.9	245.9	624.7	0.0	0.0
68.75	Top - Section 2	222.7	1,187.4					0.0	128.3	222.7	1,315.7	0.0	0.0
70.00		274.8	196.2					0.0	42.8	274.8	238.9	0.0	0.0
75.00		435.1	767.3					0.0	171.1	435.1	938.4	0.0	0.0
80.00		427.1	739.6					0.0	171.1	427.1	910.7	0.0	0.0
85.00		418.1	711.9					0.0	171.1	418.1	883.0	0.0	0.0
90.00		408.3	684.3					0.0	171.1	408.3	855.4	0.0	0.0
95.00		244.6	656.6					0.0	171.1	244.6	827.7	0.0	0.0
96.08	Bot - Section 4	199.4	138.6					0.0	37.1	199.4	175.7	0.0	0.0
100.00		186.0	991.3					0.0	134.0	186.0	1,125.3	0.0	0.0
100.75	Top - Section 3	194.6	185.9					0.0	25.7	194.6	211.6	0.0	0.0
105.00		353.5	520.9					0.0	145.4	353.5	666.3	0.0	0.0
110.00	Appurtenance(s)	370.5	587.2	3,588.4	0.0	3,630.4	3,362.4	0.0	171.1	3,958.9	4,120.7	0.0	0.0
115.00		357.3	559.5					0.0	137.2	357.3	696.8	0.0	0.0
120.00		343.6	531.8					0.0	137.2	343.6	669.1	0.0	0.0
125.00		321.4	504.2					0.0	137.2	321.4	641.4	0.0	0.0
129.75	Bot - Section 5	161.2	453.3					0.0	130.4	161.2	583.7	0.0	0.0
130.00		121.6	43.0					0.0	6.9	121.6	49.9	0.0	0.0
133.58	Top - Section 4	157.3	602.3					0.0	98.4	157.3	700.7	0.0	0.0
135.00		193.3	106.6					0.0	38.9	193.3	145.5	0.0	0.0
140.00	Appurtenance(s)	291.1	361.4	2,525.4	0.0	4,947.9	2,130.2	0.0	137.2	2,816.5	2,628.8	0.0	0.0
145.00		274.9	338.3					0.0	119.2	274.9	457.6	0.0	0.0
150.00		233.9	315.2					0.0	119.2	233.9	434.5	0.0	0.0
154.00	Appurtenance(s)	124.9	235.6	5,561.3	0.0	0.0	4,900.3	0.0	95.4	5,686.2	5,231.3	0.0	0.0
155.00		140.6	56.6					0.0	4.9	140.6	61.5	0.0	0.0
160.00		209.9	269.1					0.0	24.5	209.9	293.6	0.0	0.0
164.33	Bot - Section 6	107.9	214.6					0.0	21.2	107.9	235.8	0.0	0.0
165.00		61.1	57.6					0.0	3.3	61.1	60.8	0.0	0.0
167.25	Top - Section 5	101.7	188.8					0.0	11.0	101.7	199.8	0.0	0.0
170.00	Appurtenance(s)	147.3	99.6	3,492.6	0.0	3,938.4	3,559.8	0.0	13.5	3,639.8	3,672.8	0.0	0.0
175.00		159.7	166.8					0.0	4.5	159.7	171.2	0.0	0.0
179.00	Appurtenance(s)	67.2	120.1	939.9	0.0	0.0	1,350.0	0.0	3.6	1,007.1	1,473.7	0.0	0.0

Load Case: 0.9D + 1.0W — 118 mph with No Ice (Reduced DL) — 27 Iterations

Gust Response Factor :1.10
Dead Load Factor :0.90
Wind Load Factor :1.00

Totals:	29,534.5	46,966.1	0.00	0.00

Load Case: 0.9D + 1.0W — 118 mph with No Ice (Reduced DL) — 27 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	-47.04	-30.37	0.00	-3,787.52	0.00	3,787.52	4,604.11	1,308.12	7,398.90	5,943.65	0.00	0.00	0.648
5.00	-45.67	-29.99	0.00	-3,635.68	0.00	3,635.68	4,547.42	1,276.39	7,044.39	5,727.25	0.08	-0.14	0.645
10.00	-44.32	-29.62	0.00	-3,485.74	0.00	3,485.74	4,488.01	1,244.67	6,698.58	5,511.07	0.31	-0.29	0.643
15.00	-43.00	-29.26	0.00	-3,337.64	0.00	3,337.64	4,425.86	1,212.94	6,361.48	5,295.36	0.69	-0.44	0.641
20.00	-41.71	-28.91	0.00	-3,191.35	0.00	3,191.35	4,360.98	1,181.22	6,033.07	5,080.38	1.24	-0.60	0.638
25.00	-40.44	-28.57	0.00	-3,046.80	0.00	3,046.80	4,293.36	1,149.49	5,713.38	4,866.38	1.96	-0.76	0.636
30.00	-39.23	-28.35	0.00	-2,903.97	0.00	2,903.97	4,223.01	1,117.76	5,402.38	4,653.64	2.85	-0.93	0.634
31.25	-38.91	-28.18	0.00	-2,868.54	0.00	2,868.54	4,205.00	1,109.83	5,325.99	4,600.68	3.10	-0.98	0.633
35.00	-37.28	-27.95	0.00	-2,762.84	0.00	2,762.84	4,149.93	1,086.04	5,100.09	4,442.40	3.92	-1.11	0.632
37.50	-36.21	-27.76	0.00	-2,692.97	0.00	2,692.97	4,149.47	1,085.84	5,098.24	4,441.10	4.53	-1.20	0.616
40.00	-35.60	-27.50	0.00	-2,623.56	0.00	2,623.56	4,111.89	1,069.98	4,950.38	4,336.13	5.18	-1.30	0.614
45.00	-34.43	-27.13	0.00	-2,486.06	0.00	2,486.06	4,034.69	1,038.25	4,661.20	4,127.64	6.64	-1.48	0.612
50.00	-33.29	-26.76	0.00	-2,350.40	0.00	2,350.40	3,954.76	1,006.53	4,380.71	3,921.32	8.28	-1.66	0.609
55.00	-32.18	-26.39	0.00	-2,216.58	0.00	2,216.58	3,872.09	974.80	4,108.94	3,717.40	10.13	-1.86	0.605
60.00	-31.11	-26.08	0.00	-2,084.62	0.00	2,084.62	3,786.70	943.07	3,845.86	3,516.15	12.18	-2.06	0.602
63.25	-30.43	-25.89	0.00	-1,999.85	0.00	1,999.85	3,729.72	922.45	3,679.52	3,386.89	13.62	-2.19	0.599
65.00	-29.76	-25.68	0.00	-1,954.54	0.00	1,954.54	3,698.56	911.35	3,591.48	3,317.83	14.44	-2.27	0.598
68.75	-28.41	-25.46	0.00	-1,858.23	0.00	1,858.23	3,675.54	903.22	3,527.71	3,267.52	16.29	-2.43	0.577
70.00	-28.12	-25.24	0.00	-1,826.40	0.00	1,826.40	3,652.91	895.29	3,466.04	3,218.63	16.93	-2.49	0.576
75.00	-27.11	-24.87	0.00	-1,700.18	0.00	1,700.18	3,560.66	863.56	3,224.77	3,025.21	19.65	-2.70	0.570
80.00	-26.13	-24.50	0.00	-1,575.84	0.00	1,575.84	3,465.68	831.83	2,992.21	2,835.36	22.59	-2.92	0.564
85.00	-25.17	-24.14	0.00	-1,453.34	0.00	1,453.34	3,367.96	800.11	2,768.35	2,649.35	25.77	-3.15	0.557
90.00	-24.24	-23.78	0.00	-1,332.66	0.00	1,332.66	3,252.82	768.38	2,553.19	2,456.33	29.19	-3.38	0.551
95.00	-23.37	-23.55	0.00	-1,213.76	0.00	1,213.76	3,118.51	736.66	2,346.73	2,256.70	32.86	-3.62	0.546
96.08	-23.15	-23.39	0.00	-1,188.25	0.00	1,188.25	3,089.41	729.78	2,303.15	2,214.56	33.69	-3.68	0.545
100.00	-21.99	-23.17	0.00	-1,096.64	0.00	1,096.64	2,984.21	704.93	2,148.98	2,065.52	36.78	-3.88	0.539
100.75	-21.74	-23.02	0.00	-1,079.26	0.00	1,079.26	3,030.38	715.84	2,215.99	2,130.29	37.40	-3.92	0.515
105.00	-21.01	-22.70	0.00	-981.45	0.00	981.45	2,916.22	688.87	2,052.20	1,971.97	40.98	-4.14	0.506
110.00	-17.12	-18.52	0.00	-864.31	0.00	864.31	2,781.91	657.14	1,867.55	1,793.54	45.44	-4.38	0.489
115.00	-16.37	-18.18	0.00	-771.70	0.00	771.70	2,647.61	625.42	1,691.61	1,623.57	50.16	-4.63	0.482
120.00	-15.65	-17.86	0.00	-680.79	0.00	680.79	2,513.30	593.69	1,524.37	1,462.07	55.14	-4.88	0.473
125.00	-14.96	-17.55	0.00	-591.51	0.00	591.51	2,378.99	561.97	1,365.83	1,309.02	60.39	-5.15	0.459
129.75	-14.36	-17.37	0.00	-508.16	0.00	508.16	2,251.40	531.83	1,223.29	1,171.46	65.63	-5.40	0.441
130.00	-14.29	-17.27	0.00	-503.82	0.00	503.82	2,244.69	530.24	1,216.00	1,164.43	65.92	-5.42	0.440
133.58	-13.56	-17.08	0.00	-441.95	0.00	441.95	1,841.02	434.89	981.50	942.04	70.05	-5.61	0.478
135.00	-13.38	-16.91	0.00	-417.76	0.00	417.76	1,809.31	427.40	947.99	909.67	71.73	-5.69	0.468
140.00	-10.99	-13.90	0.00	-328.24	0.00	328.24	1,697.39	400.96	834.35	799.95	77.84	-5.98	0.418
145.00	-10.50	-13.62	0.00	-258.76	0.00	258.76	1,585.46	374.52	727.97	697.27	84.24	-6.25	0.379
150.00	-10.04	-13.38	0.00	-190.64	0.00	190.64	1,473.54	348.08	628.84	601.65	90.91	-6.51	0.325
154.00	-5.48	-7.14	0.00	-137.11	0.00	137.11	1,384.00	326.93	554.76	530.23	96.44	-6.69	0.263
155.00	-5.42	-7.01	0.00	-129.97	0.00	129.97	1,361.62	321.64	536.96	513.08	97.84	-6.74	0.258
160.00	-5.14	-6.78	0.00	-94.93	0.00	94.93	1,249.70	295.20	452.34	431.55	104.99	-6.94	0.225
164.33	-4.90	-6.65	0.00	-65.55	0.00	65.55	1,152.70	272.29	384.86	366.60	111.36	-7.10	0.184

Load Case: 0.9D + 1.0W — 118 mph with No Ice (Reduced DL) — 27 Iterations

Gust Response Factor :1.10
Dead Load Factor :0.90
Wind Load Factor :1.00

165.00	-4.85	-6.59	0.00	-61.11	0.00	61.11	1,137.78	268.77	374.96	357.08	112.35	-7.13	0.176
167.25	-4.65	-6.47	0.00	-46.29	0.00	46.29	903.09	213.33	295.25	282.29	115.72	-7.20	0.170
170.00	-1.46	-2.40	0.00	-24.56	0.00	24.56	853.84	201.69	263.94	252.11	119.88	-7.28	0.099
175.00	-1.31	-2.22	0.00	-12.58	0.00	12.58	764.30	180.54	211.50	201.60	127.53	-7.36	0.064
179.00	0.00	-2.03	0.00	-3.70	0.00	3.70	692.67	163.62	173.72	165.26	133.70	-7.41	0.023

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph with 1.50 in Radial Ice — 27 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

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		76.4	0.0					0.0	0.0	76.4	0.0	0.0	0.0
5.00		151.3	1,958.1					0.0	228.1	151.3	2,186.2	0.0	0.0
10.00		148.2	1,962.8					0.0	228.1	148.2	2,190.9	0.0	0.0
15.00		144.9	1,939.5					0.0	228.1	144.9	2,167.6	0.0	0.0
20.00		141.5	1,907.0					0.0	228.1	141.5	2,135.2	0.0	0.0
25.00		138.0	1,869.8					0.0	228.1	138.0	2,097.9	0.0	0.0
30.00		85.0	1,829.6					0.0	228.1	85.0	2,057.7	0.0	0.0
31.25	Bot - Section 2	68.7	452.2					0.0	57.0	68.7	509.2	0.0	0.0
35.00		86.6	2,314.6					0.0	171.1	86.6	2,485.7	0.0	0.0
37.50	Top - Section 1	69.9	1,518.8					0.0	114.1	69.9	1,632.9	0.0	0.0
40.00		105.6	880.6					0.0	114.1	105.6	994.7	0.0	0.0
45.00		141.3	1,723.7					0.0	228.1	141.3	1,951.8	0.0	0.0
50.00		141.6	1,677.7					0.0	228.1	141.6	1,905.9	0.0	0.0
55.00		141.3	1,630.9					0.0	228.1	141.3	1,859.1	0.0	0.0
60.00		116.1	1,583.4					0.0	228.1	116.1	1,811.6	0.0	0.0
63.25	Bot - Section 3	70.4	1,005.2					0.0	148.3	70.4	1,153.5	0.0	0.0
65.00		77.7	916.0					0.0	79.8	77.7	995.8	0.0	0.0
68.75	Top - Section 2	70.5	1,925.2					0.0	171.1	70.5	2,096.3	0.0	0.0
70.00		87.2	375.0					0.0	57.0	87.2	432.0	0.0	0.0
75.00		138.3	1,463.6					0.0	228.1	138.3	1,691.7	0.0	0.0
80.00		136.2	1,414.2					0.0	228.1	136.2	1,642.3	0.0	0.0
85.00		133.8	1,364.4					0.0	228.1	133.8	1,592.5	0.0	0.0
90.00		131.1	1,314.3					0.0	228.1	131.1	1,542.4	0.0	0.0
95.00		78.7	1,263.9					0.0	228.1	78.7	1,492.0	0.0	0.0
96.08	Bot - Section 4	64.3	268.5					0.0	49.4	64.3	317.9	0.0	0.0
100.00		60.0	1,621.6					0.0	178.7	60.0	1,800.2	0.0	0.0
100.75	Top - Section 3	63.0	305.1					0.0	34.2	63.0	339.3	0.0	0.0
105.00		114.7	1,007.9					0.0	193.9	114.7	1,201.8	0.0	0.0
110.00	Appurtenance(s)	120.8	1,137.3	931.0	0.0	850.6	7,991.7	0.0	228.1	1,051.8	9,357.1	0.0	0.0
115.00		117.1	1,085.9					0.0	183.0	117.1	1,268.9	0.0	0.0
120.00		113.2	1,034.4					0.0	183.0	113.2	1,217.4	0.0	0.0
125.00		106.6	982.6					0.0	183.0	106.6	1,165.6	0.0	0.0
129.75	Bot - Section 5	53.6	885.8					0.0	173.9	53.6	1,059.6	0.0	0.0
130.00		40.6	72.5					0.0	9.2	40.6	81.6	0.0	0.0
133.58	Top - Section 4	52.6	1,011.9					0.0	131.1	52.6	1,143.1	0.0	0.0
135.00		65.0	223.5					0.0	51.9	65.0	275.4	0.0	0.0
140.00	Appurtenance(s)	98.5	753.4	697.0	0.0	1,204.4	4,875.7	0.0	183.0	795.5	5,812.2	0.0	0.0
145.00		93.9	707.2					0.0	159.0	93.9	866.2	0.0	0.0
150.00		80.6	660.8					0.0	159.0	80.6	819.8	0.0	0.0
154.00	Appurtenance(s)	43.4	496.5	1,433.3	0.0	0.0	12,096.6	0.0	127.2	1,476.7	12,720.2	0.0	0.0
155.00		49.4	120.5					0.0	6.5	49.4	127.0	0.0	0.0
160.00		74.3	567.6					0.0	32.6	74.3	600.2	0.0	0.0
164.33	Bot - Section 6	38.5	455.0					0.0	28.3	38.5	483.3	0.0	0.0
165.00		22.0	103.2					0.0	4.4	22.0	107.6	0.0	0.0
167.25	Top - Section 5	36.7	337.8					0.0	14.7	36.7	352.5	0.0	0.0
170.00	Appurtenance(s)	54.0	233.0	924.7	0.0	838.5	8,238.6	0.0	18.0	978.7	8,489.6	0.0	0.0
175.00		59.5	388.2					0.0	5.9	59.5	394.2	0.0	0.0
179.00	Appurtenance(s)	25.3	282.4	320.9	0.0	0.0	2,367.1	0.0	4.8	346.2	2,654.2	0.0	0.0

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.50 in Radial Ice 27 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

Totals:	8,634.68	91,279.9	0.00	0.00

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph with 1.50 in Radial Ice — 27 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	-92.01	-9.18	0.00	-1,223.73	0.00	1,223.73	4,604.11	1,308.12	7,398.90	5,943.65	0.00	0.00	0.226
5.00	-89.82	-9.10	0.00	-1,177.84	0.00	1,177.84	4,547.42	1,276.39	7,044.39	5,727.25	0.02	-0.05	0.225
10.00	-87.62	-9.02	0.00	-1,132.35	0.00	1,132.35	4,488.01	1,244.67	6,698.58	5,511.07	0.10	-0.09	0.225
15.00	-85.45	-8.95	0.00	-1,087.24	0.00	1,087.24	4,425.86	1,212.94	6,361.48	5,295.36	0.22	-0.14	0.225
20.00	-83.30	-8.88	0.00	-1,042.50	0.00	1,042.50	4,360.98	1,181.22	6,033.07	5,080.38	0.40	-0.20	0.224
25.00	-81.20	-8.81	0.00	-998.11	0.00	998.11	4,293.36	1,149.49	5,713.38	4,866.38	0.64	-0.25	0.224
30.00	-79.13	-8.76	0.00	-954.07	0.00	954.07	4,223.01	1,117.76	5,402.38	4,653.64	0.93	-0.30	0.224
31.25	-78.62	-8.73	0.00	-943.12	0.00	943.12	4,205.00	1,109.83	5,325.99	4,600.68	1.01	-0.32	0.224
35.00	-76.13	-8.68	0.00	-910.39	0.00	910.39	4,149.93	1,086.04	5,100.09	4,442.40	1.28	-0.36	0.223
37.50	-74.49	-8.64	0.00	-888.69	0.00	888.69	4,149.47	1,085.84	5,098.24	4,441.10	1.47	-0.39	0.218
40.00	-73.49	-8.58	0.00	-867.10	0.00	867.10	4,111.89	1,069.98	4,950.38	4,336.13	1.69	-0.42	0.218
45.00	-71.53	-8.50	0.00	-824.19	0.00	824.19	4,034.69	1,038.25	4,661.20	4,127.64	2.16	-0.48	0.217
50.00	-69.62	-8.42	0.00	-781.68	0.00	781.68	3,954.76	1,006.53	4,380.71	3,921.32	2.70	-0.54	0.217
55.00	-67.75	-8.34	0.00	-739.59	0.00	739.59	3,872.09	974.80	4,108.94	3,717.40	3.31	-0.61	0.217
60.00	-65.93	-8.27	0.00	-697.90	0.00	697.90	3,786.70	943.07	3,845.86	3,516.15	3.98	-0.68	0.216
63.25	-64.78	-8.22	0.00	-671.04	0.00	671.04	3,729.72	922.45	3,679.52	3,386.89	4.46	-0.72	0.216
65.00	-63.78	-8.18	0.00	-656.66	0.00	656.66	3,698.56	911.35	3,591.48	3,317.83	4.73	-0.75	0.215
68.75	-61.68	-8.12	0.00	-626.00	0.00	626.00	3,675.54	903.22	3,527.71	3,267.52	5.34	-0.80	0.208
70.00	-61.24	-8.07	0.00	-615.86	0.00	615.86	3,652.91	895.29	3,466.04	3,218.63	5.55	-0.82	0.208
75.00	-59.54	-7.98	0.00	-575.50	0.00	575.50	3,560.66	863.56	3,224.77	3,025.21	6.45	-0.89	0.207
80.00	-57.89	-7.90	0.00	-535.58	0.00	535.58	3,465.68	831.83	2,992.21	2,835.36	7.42	-0.97	0.206
85.00	-56.29	-7.81	0.00	-496.09	0.00	496.09	3,367.96	800.11	2,768.35	2,649.35	8.48	-1.04	0.204
90.00	-54.74	-7.73	0.00	-457.03	0.00	457.03	3,252.82	768.38	2,553.19	2,456.33	9.61	-1.12	0.203
95.00	-53.24	-7.67	0.00	-418.37	0.00	418.37	3,118.51	736.66	2,346.73	2,256.70	10.84	-1.21	0.203
96.08	-52.92	-7.64	0.00	-410.06	0.00	410.06	3,089.41	729.78	2,303.15	2,214.56	11.11	-1.23	0.202
100.00	-51.11	-7.58	0.00	-380.14	0.00	380.14	2,984.21	704.93	2,148.98	2,065.52	12.15	-1.30	0.201
100.75	-50.77	-7.55	0.00	-374.46	0.00	374.46	3,030.38	715.84	2,215.99	2,130.29	12.35	-1.31	0.193
105.00	-49.56	-7.47	0.00	-342.39	0.00	342.39	2,916.22	688.87	2,052.20	1,971.97	13.55	-1.39	0.191
110.00	-40.22	-6.25	0.00	-304.18	0.00	304.18	2,781.91	657.14	1,867.55	1,793.54	15.05	-1.47	0.184
115.00	-38.95	-6.16	0.00	-272.93	0.00	272.93	2,647.61	625.42	1,691.61	1,623.57	16.64	-1.56	0.183
120.00	-37.73	-6.07	0.00	-242.14	0.00	242.14	2,513.30	593.69	1,524.37	1,462.07	18.32	-1.65	0.181
125.00	-36.55	-5.99	0.00	-211.78	0.00	211.78	2,378.99	561.97	1,365.83	1,309.02	20.10	-1.74	0.177
129.75	-35.49	-5.93	0.00	-183.33	0.00	183.33	2,251.40	531.83	1,223.29	1,171.46	21.88	-1.83	0.172
130.00	-35.41	-5.91	0.00	-181.84	0.00	181.84	2,244.69	530.24	1,216.00	1,164.43	21.98	-1.84	0.172
133.58	-34.26	-5.85	0.00	-160.66	0.00	160.66	1,841.02	434.89	981.50	942.04	23.39	-1.91	0.189
135.00	-33.98	-5.82	0.00	-152.36	0.00	152.36	1,809.31	427.40	947.99	909.67	23.96	-1.94	0.186
140.00	-28.19	-4.87	0.00	-122.06	0.00	122.06	1,697.39	400.96	834.35	799.95	26.05	-2.05	0.169
145.00	-27.32	-4.80	0.00	-97.69	0.00	97.69	1,585.46	374.52	727.97	697.27	28.25	-2.15	0.158
150.00	-26.50	-4.72	0.00	-73.71	0.00	73.71	1,473.54	348.08	628.84	601.65	30.55	-2.25	0.141
154.00	-13.84	-2.75	0.00	-54.82	0.00	54.82	1,384.00	326.93	554.76	530.23	32.46	-2.32	0.113
155.00	-13.72	-2.71	0.00	-52.07	0.00	52.07	1,361.62	321.64	536.96	513.08	32.95	-2.34	0.112
160.00	-13.12	-2.63	0.00	-38.53	0.00	38.53	1,249.70	295.20	452.34	431.55	35.44	-2.42	0.100
164.33	-12.63	-2.58	0.00	-27.14	0.00	27.14	1,152.70	272.29	384.86	366.60	37.67	-2.48	0.085

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.50 in Radial Ice 27 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

165.00	-12.53	-2.55	0.00	-25.43	0.00	25.43	1,137.78	268.77	374.96	357.08	38.02	-2.50	0.082
167.25	-12.18	-2.51	0.00	-19.68	0.00	19.68	903.09	213.33	295.25	282.29	39.20	-2.53	0.083
170.00	-3.74	-1.16	0.00	-11.94	0.00	11.94	853.84	201.69	263.94	252.11	40.67	-2.56	0.052
175.00	-3.35	-1.08	0.00	-6.16	0.00	6.16	764.30	180.54	211.50	201.60	43.37	-2.60	0.035
179.00	0.00	-0.93	0.00	-1.84	0.00	1.84	692.67	163.62	173.72	165.26	45.56	-2.62	0.011

Load Case: 1.0D + 1.0W Serviceability 60 mph 26 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.00
Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		57.8	0.0					0.0	0.0	57.8	0.0	0.0	0.0
5.00		114.1	1,252.8					0.0	190.1	114.1	1,442.9	0.0	0.0
10.00		111.3	1,222.0					0.0	190.1	111.3	1,412.1	0.0	0.0
15.00		108.5	1,191.3					0.0	190.1	108.5	1,381.4	0.0	0.0
20.00		105.7	1,160.5					0.0	190.1	105.7	1,350.6	0.0	0.0
25.00		102.8	1,129.8					0.0	190.1	102.8	1,319.9	0.0	0.0
30.00		63.3	1,099.0					0.0	190.1	63.3	1,289.1	0.0	0.0
31.25	Bot - Section 2	51.0	269.9					0.0	47.5	51.0	317.5	0.0	0.0
35.00		64.3	1,608.0					0.0	142.6	64.3	1,750.6	0.0	0.0
37.50	Top - Section 1	51.8	1,052.8					0.0	95.0	51.8	1,147.8	0.0	0.0
40.00		78.1	522.5					0.0	95.0	78.1	617.5	0.0	0.0
45.00		104.4	1,021.9					0.0	190.1	104.4	1,212.0	0.0	0.0
50.00		104.3	991.2					0.0	190.1	104.3	1,181.3	0.0	0.0
55.00		103.9	960.4					0.0	190.1	103.9	1,150.5	0.0	0.0
60.00		85.2	929.6					0.0	190.1	85.2	1,119.7	0.0	0.0
63.25	Bot - Section 3	51.6	587.8					0.0	123.6	51.6	711.3	0.0	0.0
65.00		56.9	627.5					0.0	66.5	56.9	694.1	0.0	0.0
68.75	Top - Section 2	51.5	1,319.4					0.0	142.6	51.5	1,461.9	0.0	0.0
70.00		63.6	217.9					0.0	47.5	63.6	265.5	0.0	0.0
75.00		100.7	852.6					0.0	190.1	100.7	1,042.7	0.0	0.0
80.00		98.8	821.8					0.0	190.1	98.8	1,011.9	0.0	0.0
85.00		96.7	791.0					0.0	190.1	96.7	981.1	0.0	0.0
90.00		94.5	760.3					0.0	190.1	94.5	950.4	0.0	0.0
95.00		56.6	729.5					0.0	190.1	56.6	919.6	0.0	0.0
96.08	Bot - Section 4	46.1	154.0					0.0	41.2	46.1	195.2	0.0	0.0
100.00		43.0	1,101.4					0.0	148.9	43.0	1,250.3	0.0	0.0
100.75	Top - Section 3	45.0	206.6					0.0	28.5	45.0	235.1	0.0	0.0
105.00		81.8	578.8					0.0	161.6	81.8	740.3	0.0	0.0
110.00	Appurtenance(s)	85.7	652.4	830.1	0.0	839.8	3,736.0	0.0	190.1	915.8	4,578.5	0.0	0.0
115.00		82.7	621.7					0.0	152.5	82.7	774.2	0.0	0.0
120.00		79.5	590.9					0.0	152.5	79.5	743.4	0.0	0.0
125.00		74.3	560.2					0.0	152.5	74.3	712.7	0.0	0.0
129.75	Bot - Section 5	37.3	503.7					0.0	144.9	37.3	648.6	0.0	0.0
130.00		28.1	47.8					0.0	7.6	28.1	55.4	0.0	0.0
133.58	Top - Section 4	36.4	669.2					0.0	109.3	36.4	778.5	0.0	0.0
135.00		44.7	118.4					0.0	43.2	44.7	161.6	0.0	0.0
140.00	Appurtenance(s)	67.3	401.5	584.2	0.0	1,144.6	2,366.9	0.0	152.5	651.5	2,920.9	0.0	0.0
145.00		63.6	375.9					0.0	132.5	63.6	508.4	0.0	0.0
150.00		54.1	350.3					0.0	132.5	54.1	482.8	0.0	0.0
154.00	Appurtenance(s)	28.9	261.8	1,286.5	0.0	0.0	5,444.8	0.0	106.0	1,315.4	5,812.6	0.0	0.0
155.00		32.5	62.9					0.0	5.4	32.5	68.3	0.0	0.0
160.00		48.6	299.0					0.0	27.2	48.6	326.2	0.0	0.0
164.33	Bot - Section 6	25.0	238.4					0.0	23.6	25.0	262.0	0.0	0.0
165.00		14.1	64.0					0.0	3.6	14.1	67.6	0.0	0.0
167.25	Top - Section 5	23.5	209.8					0.0	12.2	23.5	222.0	0.0	0.0
170.00	Appurtenance(s)	34.5	110.6	807.9	0.0	911.1	3,955.3	0.0	15.0	842.4	4,080.9	0.0	0.0
175.00		38.8	185.3					0.0	5.0	38.8	190.2	0.0	0.0
179.00	Appurtenance(s)	17.0	133.5	217.4	0.0	0.0	1,500.0	0.0	4.0	234.4	1,637.4	0.0	0.0

Load Case: 1.0D + 1.0W Serviceability 60 mph 26 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.00
Wind Load Factor :1.00

Totals:	6,835.93	52,184.6	0.00	0.00

Load Case: 1.0D + 1.0W Serviceability 60 mph 26 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	-52.31	-7.03	0.00	-883.56	0.00	883.56	4,604.11	1,308.12	7,398.90	5,943.65	0.00	0.00	0.160
5.00	-50.86	-6.95	0.00	-848.41	0.00	848.41	4,547.42	1,276.39	7,044.39	5,727.25	0.02	-0.03	0.159
10.00	-49.44	-6.86	0.00	-813.69	0.00	813.69	4,488.01	1,244.67	6,698.58	5,511.07	0.07	-0.07	0.159
15.00	-48.06	-6.78	0.00	-779.37	0.00	779.37	4,425.86	1,212.94	6,361.48	5,295.36	0.16	-0.10	0.158
20.00	-46.70	-6.71	0.00	-745.45	0.00	745.45	4,360.98	1,181.22	6,033.07	5,080.38	0.29	-0.14	0.157
25.00	-45.38	-6.63	0.00	-711.93	0.00	711.93	4,293.36	1,149.49	5,713.38	4,866.38	0.46	-0.18	0.157
30.00	-44.09	-6.58	0.00	-678.78	0.00	678.78	4,223.01	1,117.76	5,402.38	4,653.64	0.67	-0.22	0.156
31.25	-43.77	-6.54	0.00	-670.55	0.00	670.55	4,205.00	1,109.83	5,325.99	4,600.68	0.72	-0.23	0.156
35.00	-42.02	-6.49	0.00	-646.01	0.00	646.01	4,149.93	1,086.04	5,100.09	4,442.40	0.92	-0.26	0.156
37.50	-40.87	-6.45	0.00	-629.78	0.00	629.78	4,149.47	1,085.84	5,098.24	4,441.10	1.06	-0.28	0.152
40.00	-40.24	-6.39	0.00	-613.65	0.00	613.65	4,111.89	1,069.98	4,950.38	4,336.13	1.21	-0.30	0.151
45.00	-39.03	-6.31	0.00	-581.70	0.00	581.70	4,034.69	1,038.25	4,661.20	4,127.64	1.55	-0.34	0.151
50.00	-37.84	-6.23	0.00	-550.15	0.00	550.15	3,954.76	1,006.53	4,380.71	3,921.32	1.93	-0.39	0.150
55.00	-36.69	-6.14	0.00	-519.02	0.00	519.02	3,872.09	974.80	4,108.94	3,717.40	2.37	-0.43	0.149
60.00	-35.57	-6.07	0.00	-488.29	0.00	488.29	3,786.70	943.07	3,845.86	3,516.15	2.84	-0.48	0.148
63.25	-34.85	-6.03	0.00	-468.55	0.00	468.55	3,729.72	922.45	3,679.52	3,386.89	3.18	-0.51	0.148
65.00	-34.16	-5.99	0.00	-458.00	0.00	458.00	3,698.56	911.35	3,591.48	3,317.83	3.37	-0.53	0.147
68.75	-32.69	-5.93	0.00	-435.55	0.00	435.55	3,675.54	903.22	3,527.71	3,267.52	3.81	-0.57	0.142
70.00	-32.42	-5.89	0.00	-428.13	0.00	428.13	3,652.91	895.29	3,466.04	3,218.63	3.96	-0.58	0.142
75.00	-31.38	-5.80	0.00	-398.70	0.00	398.70	3,560.66	863.56	3,224.77	3,025.21	4.59	-0.63	0.141
80.00	-30.36	-5.72	0.00	-369.69	0.00	369.69	3,465.68	831.83	2,992.21	2,835.36	5.28	-0.68	0.139
85.00	-29.38	-5.64	0.00	-341.09	0.00	341.09	3,367.96	800.11	2,768.35	2,649.35	6.03	-0.74	0.138
90.00	-28.42	-5.56	0.00	-312.90	0.00	312.90	3,252.82	768.38	2,553.19	2,456.33	6.83	-0.79	0.136
95.00	-27.50	-5.51	0.00	-285.10	0.00	285.10	3,118.51	736.66	2,346.73	2,256.70	7.69	-0.85	0.135
96.08	-27.30	-5.47	0.00	-279.14	0.00	279.14	3,089.41	729.78	2,303.15	2,214.56	7.88	-0.86	0.135
100.00	-26.05	-5.42	0.00	-257.71	0.00	257.71	2,984.21	704.93	2,148.98	2,065.52	8.61	-0.91	0.134
100.75	-25.81	-5.39	0.00	-253.64	0.00	253.64	3,030.38	715.84	2,215.99	2,130.29	8.75	-0.92	0.128
105.00	-25.07	-5.32	0.00	-230.75	0.00	230.75	2,916.22	688.87	2,052.20	1,971.97	9.59	-0.97	0.126
110.00	-20.50	-4.34	0.00	-203.33	0.00	203.33	2,781.91	657.14	1,867.55	1,793.54	10.63	-1.03	0.121
115.00	-19.73	-4.27	0.00	-181.61	0.00	181.61	2,647.61	625.42	1,691.61	1,623.57	11.74	-1.08	0.119
120.00	-18.98	-4.19	0.00	-160.29	0.00	160.29	2,513.30	593.69	1,524.37	1,462.07	12.91	-1.14	0.117
125.00	-18.26	-4.12	0.00	-139.33	0.00	139.33	2,378.99	561.97	1,365.83	1,309.02	14.14	-1.21	0.114
129.75	-17.61	-4.08	0.00	-119.74	0.00	119.74	2,251.40	531.83	1,223.29	1,171.46	15.37	-1.27	0.110
130.00	-17.56	-4.06	0.00	-118.72	0.00	118.72	2,244.69	530.24	1,216.00	1,164.43	15.44	-1.27	0.110
133.58	-16.78	-4.01	0.00	-104.18	0.00	104.18	1,841.02	434.89	981.50	942.04	16.41	-1.32	0.120
135.00	-16.61	-3.98	0.00	-98.49	0.00	98.49	1,809.31	427.40	947.99	909.67	16.80	-1.34	0.118
140.00	-13.71	-3.27	0.00	-77.45	0.00	77.45	1,697.39	400.96	834.35	799.95	18.24	-1.40	0.105
145.00	-13.20	-3.21	0.00	-61.08	0.00	61.08	1,585.46	374.52	727.97	697.27	19.74	-1.47	0.096
150.00	-12.71	-3.16	0.00	-45.02	0.00	45.02	1,473.54	348.08	628.84	601.65	21.31	-1.53	0.084
154.00	-6.94	-1.69	0.00	-32.40	0.00	32.40	1,384.00	326.93	554.76	530.23	22.61	-1.57	0.066
155.00	-6.87	-1.66	0.00	-30.71	0.00	30.71	1,361.62	321.64	536.96	513.08	22.94	-1.58	0.065
160.00	-6.54	-1.60	0.00	-22.43	0.00	22.43	1,249.70	295.20	452.34	431.55	24.63	-1.63	0.057
164.33	-6.28	-1.57	0.00	-15.48	0.00	15.48	1,152.70	272.29	384.86	366.60	26.13	-1.67	0.048

Load Case: 1.0D + 1.0W Serviceability 60 mph 26 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.00
Wind Load Factor :1.00

165.00	-6.21	-1.56	0.00	-14.43	0.00	14.43	1,137.78	268.77	374.96	357.08	26.36	-1.67	0.046
167.25	-5.99	-1.53	0.00	-10.92	0.00	10.92	903.09	213.33	295.25	282.29	27.15	-1.69	0.045
170.00	-1.94	-0.57	0.00	-5.80	0.00	5.80	853.84	201.69	263.94	252.11	28.13	-1.71	0.025
175.00	-1.75	-0.52	0.00	-2.95	0.00	2.95	764.30	180.54	211.50	201.60	29.93	-1.73	0.017
179.00	0.00	-0.47	0.00	-0.86	0.00	0.86	692.67	163.62	173.72	165.26	31.39	-1.74	0.005

Equivalent Lateral Forces Method Analysis

Spectral Response Acceleration for Short Period (S_s):	0.19
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.05
Long-Period Transition Period (T_L):	6
Importance Factor (I_E):	1.00
Site Coefficient F_a:	1.60
Site Coeffiecient F_v:	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.21
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.09
Seismic Response Coefficient (C_s):	0.03
Upper Limit C_s	0.03
Lower Limit C_s	0.03
Period based on Rayleigh Method (sec):	3.15
Redundancy Factor (p):	1.00
Seismic Force Distribution Exponent (k):	2.00
Total Unfactored Dead Load:	52.31 k
Seismic Base Shear (E):	1.57 k

Load Case 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)
47	177.00	137	4,305	0.007	11	171
46	172.50	190	5,661	0.009	14	236
45	168.63	126	3,571	0.006	9	156
44	166.13	222	6,128	0.010	15	276
43	164.67	68	1,833	0.003	5	84
42	162.17	262	6,889	0.011	17	325
41	157.50	326	8,092	0.013	20	405
40	154.50	68	1,631	0.003	4	85
39	152.00	368	8,497	0.014	21	457
38	147.50	483	10,503	0.017	26	599
37	142.50	508	10,324	0.017	26	631
36	137.50	554	10,475	0.017	26	688
35	134.29	162	2,915	0.005	7	201
34	131.79	779	13,522	0.022	34	966
33	129.88	55	934	0.002	2	69
32	127.38	649	10,522	0.017	27	805
31	122.50	713	10,695	0.017	27	885
30	117.50	743	10,264	0.016	26	923
29	112.50	774	9,798	0.016	25	961
28	107.50	843	9,737	0.016	25	1,046
27	102.88	740	7,835	0.013	20	919
26	100.38	235	2,369	0.004	6	292
25	98.04	1,250	12,018	0.019	30	1,552
24	95.54	195	1,782	0.003	4	242
23	92.50	920	7,869	0.013	20	1,142

22	87.50	950	7,276	0.012	18	1,180
21	82.50	981	6,678	0.011	17	1,218
20	77.50	1,012	6,078	0.010	15	1,256
19	72.50	1,043	5,480	0.009	14	1,294
18	69.38	265	1,278	0.002	3	330
17	66.88	1,462	6,538	0.010	16	1,815
16	64.13	694	2,854	0.005	7	862
15	61.63	711	2,701	0.004	7	883
14	57.50	1,120	3,702	0.006	9	1,390
13	52.50	1,150	3,171	0.005	8	1,428
12	47.50	1,181	2,665	0.004	7	1,466
11	42.50	1,212	2,189	0.004	6	1,505
10	38.75	618	927	0.001	2	767
9	36.25	1,148	1,508	0.002	4	1,425
8	33.13	1,751	1,921	0.003	5	2,173
7	30.63	317	298	0.000	1	394
6	27.50	1,289	975	0.002	2	1,600
5	22.50	1,320	668	0.001	2	1,638
4	17.50	1,351	414	0.001	1	1,677
3	12.50	1,381	216	0.000	1	1,715
2	7.50	1,412	79	0.000	0	1,753
1	2.50	1,443	9	0.000	0	1,791
Generic 18' Dipole	179.00	55	1,762	0.003	4	68
Generic 5' Dipole	179.00	15	481	0.001	1	19
Generic 10' Omni	179.00	25	801	0.001	2	31
Generic 8' Yagi	179.00	30	961	0.002	2	37
Round Low Profile Pl	179.00	1,500	48,062	0.077	121	1,862
Ericsson Radio 4449	170.00	225	6,503	0.010	16	279
Ericsson RRUS 4415 B	170.00	138	3,988	0.006	10	171
Ericsson Air6449 B41	170.00	312	9,017	0.014	23	387
Ericsson AIR32 B66Aa	170.00	397	11,462	0.018	29	492
RFS APXVAARR24_43-U-	170.00	384	11,089	0.018	28	476
Generic Round Platfo	170.00	2,500	72,250	0.116	182	3,103
Powerwave Allgon LGP	154.00	85	2,006	0.003	5	105
Raycap DC6-48-60-18-	154.00	64	1,508	0.002	4	79
Ericsson RRUS 8843 B	154.00	216	5,123	0.008	13	268
Ericsson RRUS 4478 B	154.00	180	4,262	0.007	11	223
Ericsson RRUS 4449 B	154.00	213	5,052	0.008	13	264
Ericsson RRUS 32 B30	154.00	180	4,269	0.007	11	223
Ericsson RRUS 32 B2	154.00	159	3,771	0.006	10	197
Ericsson RRUS 12	154.00	150	3,557	0.006	9	186
Raycap DC6-48-60-0-8	154.00	16	379	0.001	1	20
Kathrein Scala 800 1	154.00	139	3,294	0.005	8	172
Quintel QS66512-2	154.00	111	2,632	0.004	7	138
CCI OPA-65R-LCUU-H6	154.00	73	1,731	0.003	4	91
CCI DMP65R-BU6DA	154.00	79	1,883	0.003	5	99
CCI OPA-65R-LCUU-H8	154.00	176	4,174	0.007	11	218
CCI TPA-65R-LCUUUU-H	154.00	163	3,870	0.006	10	203
CCI DMP65R-BU8D	154.00	191	4,539	0.007	11	238
Site Pro 1 RMQLP-412	154.00	3,250	77,077	0.124	194	4,035
Alcatel-Lucent 800 M	140.00	192	3,763	0.006	9	238
Alcatel-Lucent 1900M	140.00	132	2,587	0.004	7	164
Alcatel-Lucent TD-RR	140.00	198	3,887	0.006	10	246
RFS APXVTM14-C-I20 (	140.00	169	3,305	0.005	8	209
RFS APXVSPP18-C-A20	140.00	114	2,234	0.004	6	142
RFS APXV9ERR18-C-A20	140.00	62	1,215	0.002	3	77
Round Low Profile Pl	140.00	1,500	29,400	0.047	74	1,862
Samsung B2/B66A RRH-	110.00	253	3,064	0.005	8	314
Samsung B5/B13 RRH-B	110.00	211	2,552	0.004	6	262
Raycap RRFDC-3315-PF	110.00	54	651	0.001	2	67
Antel BXA-80063/4CF	110.00	30	359	0.001	1	37
Samsung MT6407-77A	110.00	245	2,962	0.005	7	304
Generic Mount Reinfo	110.00	200	2,420	0.004	6	248
Commscope SBNHH-1D65	110.00	244	2,948	0.005	7	302

Generic Flat Platfor	110.00	2,500	30,250	0.049	76	3,103
		52,310	622,895	1.000	1,569	64,936

Load Case 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)
47	177.00	137	4,305	0.007	11	118
46	172.50	190	5,661	0.009	14	163
45	168.63	126	3,571	0.006	9	108
44	166.13	222	6,128	0.010	15	191
43	164.67	68	1,833	0.003	5	58
42	162.17	262	6,889	0.011	17	225
41	157.50	326	8,092	0.013	20	280
40	154.50	68	1,631	0.003	4	59
39	152.00	368	8,497	0.014	21	316
38	147.50	483	10,503	0.017	26	415
37	142.50	508	10,324	0.017	26	437
36	137.50	554	10,475	0.017	26	476
35	134.29	162	2,915	0.005	7	139
34	131.79	779	13,522	0.022	34	668
33	129.88	55	934	0.002	2	48
32	127.38	649	10,522	0.017	27	557
31	122.50	713	10,695	0.017	27	612
30	117.50	743	10,264	0.016	26	638
29	112.50	774	9,798	0.016	25	665
28	107.50	843	9,737	0.016	25	723
27	102.88	740	7,835	0.013	20	636
26	100.38	235	2,369	0.004	6	202
25	98.04	1,250	12,018	0.019	30	1,074
24	95.54	195	1,782	0.003	4	168
23	92.50	920	7,869	0.013	20	790
22	87.50	950	7,276	0.012	18	816
21	82.50	981	6,678	0.011	17	842
20	77.50	1,012	6,078	0.010	15	869
19	72.50	1,043	5,480	0.009	14	895
18	69.38	265	1,278	0.002	3	228
17	66.88	1,462	6,538	0.010	16	1,255
16	64.13	694	2,854	0.005	7	596
15	61.63	711	2,701	0.004	7	611
14	57.50	1,120	3,702	0.006	9	961
13	52.50	1,150	3,171	0.005	8	988
12	47.50	1,181	2,665	0.004	7	1,014
11	42.50	1,212	2,189	0.004	6	1,041
10	38.75	618	927	0.001	2	530
9	36.25	1,148	1,508	0.002	4	986
8	33.13	1,751	1,921	0.003	5	1,503
7	30.63	317	298	0.000	1	273
6	27.50	1,289	975	0.002	2	1,107
5	22.50	1,320	668	0.001	2	1,133
4	17.50	1,351	414	0.001	1	1,160
3	12.50	1,381	216	0.000	1	1,186
2	7.50	1,412	79	0.000	0	1,212
1	2.50	1,443	9	0.000	0	1,239
Generic 18' Dipole	179.00	55	1,762	0.003	4	47
Generic 5' Dipole	179.00	15	481	0.001	1	13
Generic 10' Omni	179.00	25	801	0.001	2	21
Generic 8' Yagi	179.00	30	961	0.002	2	26
Round Low Profile Pl	179.00	1,500	48,062	0.077	121	1,288
Ericsson Radio 4449	170.00	225	6,503	0.010	16	193
Ericsson RRUS 4415 B	170.00	138	3,988	0.006	10	118

Ericsson Air6449 B41	170.00	312	9,017	0.014	23	268
Ericsson AIR32 B66Aa	170.00	397	11,462	0.018	29	341
RFS APXVAARR24_43-U-	170.00	384	11,089	0.018	28	329
Generic Round Platfo	170.00	2,500	72,250	0.116	182	2,147
Powerwave Allgon LGP	154.00	85	2,006	0.003	5	73
Raycap DC6-48-60-18-	154.00	64	1,508	0.002	4	55
Ericsson RRUS 8843 B	154.00	216	5,123	0.008	13	185
Ericsson RRUS 4478 B	154.00	180	4,262	0.007	11	154
Ericsson RRUS 4449 B	154.00	213	5,052	0.008	13	183
Ericsson RRUS 32 B30	154.00	180	4,269	0.007	11	155
Ericsson RRUS 32 B2	154.00	159	3,771	0.006	10	137
Ericsson RRUS 12	154.00	150	3,557	0.006	9	129
Raycap DC6-48-60-0-8	154.00	16	379	0.001	1	14
Kathrein Scala 800 1	154.00	139	3,294	0.005	8	119
Quintel QS66512-2	154.00	111	2,632	0.004	7	95
CCI OPA-65R-LCUU-H6	154.00	73	1,731	0.003	4	63
CCI DMP65R-BU6DA	154.00	79	1,883	0.003	5	68
CCI OPA-65R-LCUU-H8	154.00	176	4,174	0.007	11	151
CCI TPA-65R-LCUUUU-H	154.00	163	3,870	0.006	10	140
CCI DMP65R-BU8D	154.00	191	4,539	0.007	11	164
Site Pro 1 RMQLP-412	154.00	3,250	77,077	0.124	194	2,790
Alcatel-Lucent 800 M	140.00	192	3,763	0.006	9	165
Alcatel-Lucent 1900M	140.00	132	2,587	0.004	7	113
Alcatel-Lucent TD-RR	140.00	198	3,887	0.006	10	170
RFS APXVTM14-C-I20 (	140.00	169	3,305	0.005	8	145
RFS APXVSPP18-C-A20	140.00	114	2,234	0.004	6	98
RFS APXV9ERR18-C-A20	140.00	62	1,215	0.002	3	53
Round Low Profile Pl	140.00	1,500	29,400	0.047	74	1,288
Samsung B2/B66A RRH-	110.00	253	3,064	0.005	8	217
Samsung B5/B13 RRH-B	110.00	211	2,552	0.004	6	181
Raycap RRFDC-3315-PF	110.00	54	651	0.001	2	46
Antel BXA-80063/4CF	110.00	30	359	0.001	1	26
Samsung MT6407-77A	110.00	245	2,962	0.005	7	210
Generic Mount Reinfo	110.00	200	2,420	0.004	6	172
Commscope SBNHH-1D65	110.00	244	2,948	0.005	7	209
Generic Flat Platfor	110.00	2,500	30,250	0.049	76	2,147
		52,310	622,895	1.000	1,569	44,914

Load Case 1.2D + 1.0Ev + 1.0Eh Seismic

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	-63.15	-1.57	0.00	-235.11	0.00	235.11	4,604.11	1,308.12	7,398.90	5,943.65	0.00	0.00	0.053
5.00	-61.39	-1.58	0.00	-227.24	0.00	227.24	4,547.42	1,276.39	7,044.39	5,727.25	0.00	-0.01	0.053
10.00	-59.68	-1.59	0.00	-219.33	0.00	219.33	4,488.01	1,244.67	6,698.58	5,511.07	0.02	-0.02	0.053
15.00	-58.00	-1.60	0.00	-211.38	0.00	211.38	4,425.86	1,212.94	6,361.48	5,295.36	0.04	-0.03	0.053
20.00	-56.36	-1.61	0.00	-203.38	0.00	203.38	4,360.98	1,181.22	6,033.07	5,080.38	0.08	-0.04	0.053
25.00	-54.76	-1.61	0.00	-195.34	0.00	195.34	4,293.36	1,149.49	5,713.38	4,866.38	0.12	-0.05	0.053
30.00	-54.37	-1.62	0.00	-187.28	0.00	187.28	4,223.01	1,117.76	5,402.38	4,653.64	0.18	-0.06	0.053
31.25	-52.19	-1.62	0.00	-185.25	0.00	185.25	4,205.00	1,109.83	5,325.99	4,600.68	0.20	-0.06	0.053
35.00	-50.77	-1.62	0.00	-179.19	0.00	179.19	4,149.93	1,086.04	5,100.09	4,442.40	0.25	-0.07	0.053
37.50	-50.00	-1.62	0.00	-175.14	0.00	175.14	4,149.47	1,085.84	5,098.24	4,441.10	0.29	-0.08	0.051
40.00	-48.50	-1.62	0.00	-171.09	0.00	171.09	4,111.89	1,069.98	4,950.38	4,336.13	0.33	-0.08	0.051
45.00	-47.03	-1.62	0.00	-162.99	0.00	162.99	4,034.69	1,038.25	4,661.20	4,127.64	0.42	-0.09	0.051
50.00	-45.60	-1.62	0.00	-154.89	0.00	154.89	3,954.76	1,006.53	4,380.71	3,921.32	0.53	-0.11	0.051
55.00	-44.21	-1.62	0.00	-146.79	0.00	146.79	3,872.09	974.80	4,108.94	3,717.40	0.64	-0.12	0.051
60.00	-43.33	-1.62	0.00	-138.70	0.00	138.70	3,786.70	943.07	3,845.86	3,516.15	0.78	-0.13	0.051
63.25	-42.47	-1.61	0.00	-133.44	0.00	133.44	3,729.72	922.45	3,679.52	3,386.89	0.87	-0.14	0.051
65.00	-40.65	-1.60	0.00	-130.62	0.00	130.62	3,698.56	911.35	3,591.48	3,317.83	0.92	-0.15	0.050
68.75	-40.32	-1.60	0.00	-124.62	0.00	124.62	3,675.54	903.22	3,527.71	3,267.52	1.04	-0.16	0.049
70.00	-39.03	-1.59	0.00	-122.62	0.00	122.62	3,652.91	895.29	3,466.04	3,218.63	1.08	-0.16	0.049
75.00	-37.77	-1.58	0.00	-114.68	0.00	114.68	3,560.66	863.56	3,224.77	3,025.21	1.26	-0.18	0.049
80.00	-36.55	-1.57	0.00	-106.79	0.00	106.79	3,465.68	831.83	2,992.21	2,835.36	1.45	-0.19	0.048
85.00	-35.37	-1.56	0.00	-98.95	0.00	98.95	3,367.96	800.11	2,768.35	2,649.35	1.66	-0.21	0.048
90.00	-34.23	-1.54	0.00	-91.17	0.00	91.17	3,252.82	768.38	2,553.19	2,456.33	1.89	-0.22	0.048
95.00	-33.99	-1.54	0.00	-83.47	0.00	83.47	3,118.51	736.66	2,346.73	2,256.70	2.13	-0.24	0.048
96.08	-32.43	-1.51	0.00	-81.80	0.00	81.80	3,089.41	729.78	2,303.15	2,214.56	2.18	-0.24	0.047
100.00	-32.14	-1.51	0.00	-75.88	0.00	75.88	2,984.21	704.93	2,148.98	2,065.52	2.39	-0.26	0.048
100.75	-31.22	-1.49	0.00	-74.75	0.00	74.75	3,030.38	715.84	2,215.99	2,130.29	2.43	-0.26	0.045
105.00	-30.18	-1.47	0.00	-68.43	0.00	68.43	2,916.22	688.87	2,052.20	1,971.97	2.66	-0.27	0.045
110.00	-24.58	-1.31	0.00	-61.09	0.00	61.09	2,781.91	657.14	1,867.55	1,793.54	2.96	-0.29	0.043
115.00	-23.66	-1.29	0.00	-54.55	0.00	54.55	2,647.61	625.42	1,691.61	1,623.57	3.28	-0.31	0.043
120.00	-22.77	-1.26	0.00	-48.12	0.00	48.12	2,513.30	593.69	1,524.37	1,462.07	3.61	-0.33	0.042
125.00	-21.97	-1.24	0.00	-41.82	0.00	41.82	2,378.99	561.97	1,365.83	1,309.02	3.96	-0.35	0.041
129.75	-21.90	-1.24	0.00	-35.94	0.00	35.94	2,251.40	531.83	1,223.29	1,171.46	4.31	-0.36	0.040
130.00	-20.93	-1.20	0.00	-35.63	0.00	35.63	2,244.69	530.24	1,216.00	1,164.43	4.33	-0.36	0.040
133.58	-20.73	-1.19	0.00	-31.33	0.00	31.33	1,841.02	434.89	981.50	942.04	4.61	-0.38	0.045
135.00	-20.04	-1.17	0.00	-29.64	0.00	29.64	1,809.31	427.40	947.99	909.67	4.73	-0.38	0.044
140.00	-16.47	-1.01	0.00	-23.80	0.00	23.80	1,697.39	400.96	834.35	799.95	5.14	-0.40	0.039
145.00	-15.87	-0.98	0.00	-18.76	0.00	18.76	1,585.46	374.52	727.97	697.27	5.57	-0.42	0.037
150.00	-15.42	-0.96	0.00	-13.86	0.00	13.86	1,473.54	348.08	628.84	601.65	6.03	-0.44	0.033
154.00	-8.58	-0.58	0.00	-10.01	0.00	10.01	1,384.00	326.93	554.76	530.23	6.41	-0.46	0.025
155.00	-8.17	-0.56	0.00	-9.43	0.00	9.43	1,361.62	321.64	536.96	513.08	6.50	-0.46	0.024
160.00	-7.85	-0.54	0.00	-6.65	0.00	6.65	1,249.70	295.20	452.34	431.55	6.99	-0.47	0.022
164.33	-7.76	-0.53	0.00	-4.31	0.00	4.31	1,152.70	272.29	384.86	366.60	7.43	-0.49	0.019
165.00	-7.49	-0.52	0.00	-3.96	0.00	3.96	1,137.78	268.77	374.96	357.08	7.50	-0.49	0.018
167.25	-7.33	-0.51	0.00	-2.79	0.00	2.79	903.09	213.33	295.25	282.29	7.73	-0.49	0.018
170.00	-2.19	-0.16	0.00	-1.40	0.00	1.40	853.84	201.69	263.94	252.11	8.01	-0.50	0.008
175.00	-2.02	-0.15	0.00	-0.59	0.00	0.59	764.30	180.54	211.50	201.60	8.53	-0.50	0.006

179.00	0.00	-0.13	0.00	0.00	0.00	0.00	692.67	163.62	173.72	165.26	8.95	-0.50	0.000

Load Case 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 (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	-43.67	-1.57	0.00	-229.68	0.00	229.68	4,604.11	1,308.12	7,398.90	5,943.65	0.00	0.00	0.048
5.00	-42.46	-1.58	0.00	-221.83	0.00	221.83	4,547.42	1,276.39	7,044.39	5,727.25	0.00	-0.01	0.048
10.00	-41.28	-1.58	0.00	-213.94	0.00	213.94	4,488.01	1,244.67	6,698.58	5,511.07	0.02	-0.02	0.048
15.00	-40.12	-1.59	0.00	-206.02	0.00	206.02	4,425.86	1,212.94	6,361.48	5,295.36	0.04	-0.03	0.048
20.00	-38.98	-1.59	0.00	-198.07	0.00	198.07	4,360.98	1,181.22	6,033.07	5,080.38	0.08	-0.04	0.048
25.00	-37.88	-1.60	0.00	-190.11	0.00	190.11	4,293.36	1,149.49	5,713.38	4,866.38	0.12	-0.05	0.048
30.00	-37.60	-1.60	0.00	-182.12	0.00	182.12	4,223.01	1,117.76	5,402.38	4,653.64	0.17	-0.06	0.048
31.25	-36.10	-1.60	0.00	-180.12	0.00	180.12	4,205.00	1,109.83	5,325.99	4,600.68	0.19	-0.06	0.048
35.00	-35.11	-1.60	0.00	-174.13	0.00	174.13	4,149.93	1,086.04	5,100.09	4,442.40	0.24	-0.07	0.048
37.50	-34.58	-1.60	0.00	-170.14	0.00	170.14	4,149.47	1,085.84	5,098.24	4,441.10	0.28	-0.07	0.047
40.00	-33.54	-1.60	0.00	-166.15	0.00	166.15	4,111.89	1,069.98	4,950.38	4,336.13	0.32	-0.08	0.046
45.00	-32.53	-1.59	0.00	-158.17	0.00	158.17	4,034.69	1,038.25	4,661.20	4,127.64	0.41	-0.09	0.046
50.00	-31.54	-1.59	0.00	-150.20	0.00	150.20	3,954.76	1,006.53	4,380.71	3,921.32	0.51	-0.10	0.046
55.00	-30.58	-1.59	0.00	-142.24	0.00	142.24	3,872.09	974.80	4,108.94	3,717.40	0.63	-0.12	0.046
60.00	-29.97	-1.58	0.00	-134.31	0.00	134.31	3,786.70	943.07	3,845.86	3,516.15	0.76	-0.13	0.046
63.25	-29.37	-1.58	0.00	-129.16	0.00	129.16	3,729.72	922.45	3,679.52	3,386.89	0.85	-0.14	0.046
65.00	-28.12	-1.56	0.00	-126.40	0.00	126.40	3,698.56	911.35	3,591.48	3,317.83	0.90	-0.14	0.046
68.75	-27.89	-1.56	0.00	-120.54	0.00	120.54	3,675.54	903.22	3,527.71	3,267.52	1.01	-0.15	0.044
70.00	-26.99	-1.55	0.00	-118.58	0.00	118.58	3,652.91	895.29	3,466.04	3,218.63	1.06	-0.16	0.044
75.00	-26.12	-1.54	0.00	-110.83	0.00	110.83	3,560.66	863.56	3,224.77	3,025.21	1.23	-0.17	0.044
80.00	-25.28	-1.53	0.00	-103.13	0.00	103.13	3,465.68	831.83	2,992.21	2,835.36	1.41	-0.19	0.044
85.00	-24.46	-1.51	0.00	-95.50	0.00	95.50	3,367.96	800.11	2,768.35	2,649.35	1.62	-0.20	0.043
90.00	-23.67	-1.50	0.00	-87.94	0.00	87.94	3,252.82	768.38	2,553.19	2,456.33	1.83	-0.22	0.043
95.00	-23.51	-1.49	0.00	-80.46	0.00	80.46	3,118.51	736.66	2,346.73	2,256.70	2.07	-0.23	0.043
96.08	-22.43	-1.46	0.00	-78.84	0.00	78.84	3,089.41	729.78	2,303.15	2,214.56	2.12	-0.24	0.043
100.00	-22.23	-1.46	0.00	-73.11	0.00	73.11	2,984.21	704.93	2,148.98	2,065.52	2.32	-0.25	0.043
100.75	-21.59	-1.44	0.00	-72.02	0.00	72.02	3,030.38	715.84	2,215.99	2,130.29	2.36	-0.25	0.041
105.00	-20.87	-1.42	0.00	-65.89	0.00	65.89	2,916.22	688.87	2,052.20	1,971.97	2.59	-0.27	0.041
110.00	-17.00	-1.27	0.00	-58.80	0.00	58.80	2,781.91	657.14	1,867.55	1,793.54	2.88	-0.28	0.039
115.00	-16.36	-1.24	0.00	-52.47	0.00	52.47	2,647.61	625.42	1,691.61	1,623.57	3.18	-0.30	0.039
120.00	-15.75	-1.22	0.00	-46.26	0.00	46.26	2,513.30	593.69	1,524.37	1,462.07	3.50	-0.32	0.038
125.00	-15.19	-1.19	0.00	-40.18	0.00	40.18	2,378.99	561.97	1,365.83	1,309.02	3.84	-0.33	0.037
129.75	-15.14	-1.19	0.00	-34.52	0.00	34.52	2,251.40	531.83	1,223.29	1,171.46	4.19	-0.35	0.036
130.00	-14.47	-1.16	0.00	-34.22	0.00	34.22	2,244.69	530.24	1,216.00	1,164.43	4.20	-0.35	0.036
133.58	-14.34	-1.15	0.00	-30.08	0.00	30.08	1,841.02	434.89	981.50	942.04	4.47	-0.37	0.040
135.00	-13.86	-1.12	0.00	-28.45	0.00	28.45	1,809.31	427.40	947.99	909.67	4.58	-0.37	0.039
140.00	-11.39	-0.97	0.00	-22.84	0.00	22.84	1,697.39	400.96	834.35	799.95	4.98	-0.39	0.035
145.00	-10.98	-0.94	0.00	-18.00	0.00	18.00	1,585.46	374.52	727.97	697.27	5.40	-0.41	0.033
150.00	-10.66	-0.92	0.00	-13.29	0.00	13.29	1,473.54	348.08	628.84	601.65	5.84	-0.43	0.029
154.00	-5.93	-0.56	0.00	-9.61	0.00	9.61	1,384.00	326.93	554.76	530.23	6.21	-0.44	0.022
155.00	-5.65	-0.53	0.00	-9.05	0.00	9.05	1,361.62	321.64	536.96	513.08	6.30	-0.44	0.022
160.00	-5.43	-0.52	0.00	-6.38	0.00	6.38	1,249.70	295.20	452.34	431.55	6.77	-0.46	0.019
164.33	-5.37	-0.51	0.00	-4.14	0.00	4.14	1,152.70	272.29	384.86	366.60	7.19	-0.47	0.016
165.00	-5.18	-0.50	0.00	-3.80	0.00	3.80	1,137.78	268.77	374.96	357.08	7.26	-0.47	0.015
167.25	-5.07	-0.49	0.00	-2.68	0.00	2.68	903.09	213.33	295.25	282.29	7.48	-0.47	0.015
170.00	-1.51	-0.15	0.00	-1.34	0.00	1.34	853.84	201.69	263.94	252.11	7.75	-0.48	0.007
175.00	-1.39	-0.14	0.00	-0.57	0.00	0.57	764.30	180.54	211.50	201.60	8.26	-0.48	0.005

179.00	0.00	-0.13	0.00	0.00	0.00	0.00	692.67	163.62	173.72	165.26	8.66	-0.48	0.000

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	30.39	0.00	62.73	0.00	0.00	3856.11	0.00	0.66
0.9D + 1.0W	30.37	0.00	47.04	0.00	0.00	3787.52	0.00	0.65
1.2D + 1.0Di + 1.0Wi	9.18	0.00	92.01	0.00	0.00	1223.73	0.00	0.23
1.2D + 1.0Ev + 1.0Eh	1.57	0.00	63.15	0.00	0.00	235.11	0.00	0.05
0.9D - 1.0Ev + 1.0Eh	1.57	0.00	43.67	0.00	0.00	229.68	0.00	0.05
1.0D + 1.0W	7.03	0.00	52.31	0.00	0.00	883.56	0.00	0.16

Base Plate & Anchor Rod Analysis

Pole Dimensions		
Number of Sides	18	-
Diameter	63	in
Thickness	3/8	in
Orientation Offset		°

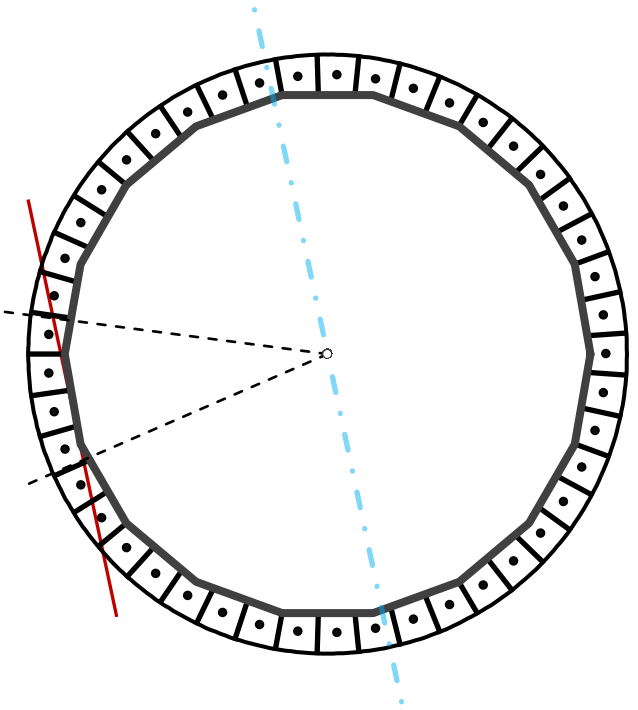
Base Reactions		
Moment, Mu	3,856.1	k-ft
Axial, Pu	62.7	k
Shear, Vu	30.4	k
Neutral Axis	102	°

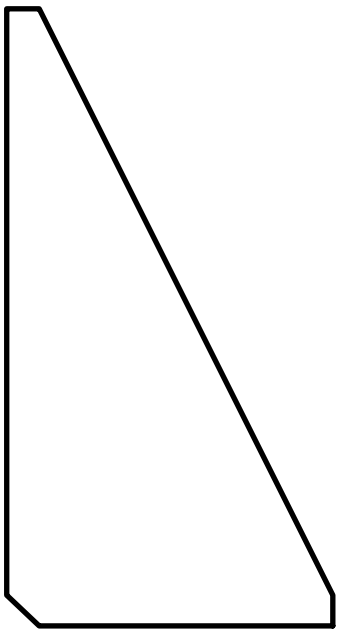
Report Capacities		
Component	Capacity	Result
Base Plate	57%	Pass
Anchor Rods	69%	Pass
Dwyidag	-	-

Base Plate		
Shape	Round	-
Diameter, ø	73	in
Thickness	1	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	3	in
Applied Moment, Mu	344.6	k
Bending Stress, ϕMn	599.9	k

Original Anchor Rods		
Arrangement	Radial	-
Quantity	45	-
Diameter, ø	1 1/4	in
Bolt Circle	68	in
Grade	A687	
Yield Strength, Fy	105	ksi
Tensile Strength, Fu	125	ksi
Spacing	4.7	in
Orientation Offset		°
Applied Force, Pu	63.1	k
Anchor Rods, ϕPn	90.9	k

Stiffeners		
Arrangement	Radial	-
Quantity	45	-
Height	10	in
Width	5	in
Effective Width	5.000	in
Thickness	3/4	in
Effective Thickness	0.750	in
Notch	0.5	in
Flat Edge	0.5	in
Grade	A36	-
Yield Strength, Fy	36	ksi
Tensile Strength, Fu	58	ksi
Horizontal Weld	Fillet	
Horizontal Fillet Size	5/16	in
Bevel Depth	0	in
Vertical Weld	Fillet	
Vertical Fillet Size	5/16	in
Weld Strength	70	ksi
Electrode Coefficient	1	-
Orientation Offset		°
Vertical Weld, ϕRn	137.6	k
Horz. Weld, ϕRn	73.9	k
Ten. Capacity, ϕTn	109.4	k
Comp. Capacity, ϕPn	992.8	k





Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	30.4	3856.1	1.00
Anchor Rod Forces	30.4	3856.1	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	20.9	2651.2	0.69

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in^2	in^2	in^4	#	in^4
Pole	73.4043	4.0780	0.1917		35988.93
Bolt	1.2272	0.9691	0.0747	7	24200.88
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	3.3750	3.0375	31.2500		79185.11

Base Plate

Shape	Round	-
Diameter, D	73	in
Thickness, t	1	in
Yield Strength, Fy	50	ksi
Tensile Strength, Fu	65	ksi
Base Plate Chord	36.878	in
Detail Type	d	-
Detail Factor	0.50	-
Clear Distance	3	-

External Base Plate

Chord Length AA	29.077	in
Additional AA	24.245	in
Section Modulus, Z	13.331	in^3
Applied Moment, Mu	344.6	k-ft
Bending Capacity, ϕMn	599.9	k-ft
Capacity, Mu/ϕMn	0.574	OK
Chord Length AB	26.862	in
Additional AB	17.302	in
Section Modulus, Z	11.041	in^3
Applied Moment, Mu	197.1	k-ft
Bending Capacity, ϕMn	496.8	k-ft
Capacity, Mu/ϕMn	0.397	OK
Bend Line Length	20.725	in
Additional Bend Line	258.750	in
Section Modulus, Z	69.869	in^3
Applied Moment, Mu	288.7	k-ft
Bending Capacity, ϕMn	3144.1	k-ft
Capacity, Mu/ϕMn	0.092	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		

Anchor Rods

Anchor Rod Quantity, N	45	-
Rod Diameter, d	1.25	in
Bolt Circle, BC	68	in
Yield Strength, Fy	105	ksi
Tensile Strength, Fu	125	ksi
Applied Axial, Pu	63.1	k
Applied Shear, Vu	0.0	k
Compressive Capacity, ϕPn	90.9	k
Tensile Capacity, ϕRnt	0.695	OK
Interaction Capacity	0.486	OK

Base Plate Stiffeners

Applied Axial Force, Pu	42.3	k
Applied Horizontal Force, Vu	0.23	k

Vertical Weld

Vert.-to-Stiffener a=e_x/l	0.167	-
Spacing Ratio, k	0.075	-
Weld Coefficient, C	3.670	-
Compressive Capacity, ϕPn	137.6	k
Vert.-to-Plate a=e_x/l	0.333	-
Spacing Ratio, k	0.075	-
Weld Coefficient, C	2.940	-
Shear Capacity, ϕVn	110.3	k
$P_u/\phi_P P_n + V_u/\phi_V V_n$	0.310	OK

Horizontal Weld

Horz.-to-Stiffener a=e_x/l	0.167	-
Spacing Ratio, k	0.150	-
Weld Coefficient, C	3.940	-
Effective Fillet	0.313	in
Compressive Capacity, ϕPn	73.9	k
Horz.-to-Pole a=e_x/l	0.333	-
Spacing Ratio, k	0.150	-
Weld Coefficient, C	3.090	-
Shear Capacity, ϕVn	57.9	k
$P_u/\phi_P P_n + V_u/\phi_V V_n$	0.577	OK

Plate Tension

Gross Cross Section	3.375	in^2
Net Cross Section	3.038	in^2
Tensile Capacity, ϕTn	109.4	k
Capacity, Tu/ϕTn	0.194	OK

Plate Compression

Radius of Gyration	0.217	in^3
kl/r	27.71	-
4.71 $\sqrt{(E/Fy)}$	133.68	-
Buckling Stress(Fe)	372.7	-
Crit. Buckling Stress(Fcr)	326.8	ksi
Compressive Capacity, ϕPn	992.8	k
Capacity, Pu/ϕPn	0.021	OK

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
(856) 797-0412
peter.albano@maserconsulting.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10074258
Maser Consulting Connecticut Project #: 21777585A

June 24, 2021

Site Information	*Site ID:*	*469196-VZW / WEST FARMS CT*
	Site Name:	*WEST FARMS CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*605 WILLARD AVE* *Newington, Connecticut 06111* *Hartford County*
	Latitude:	*41.698372°*
	Longitude:	*-72.737147°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.00-Ft Platform*

FUZE ID # 16231949

Analysis Results

Platform: **66.3% Pass**

Digitally signed by Taqi Khawaja
Date: 2021.06.25 10:36:19-04'00'

******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: Lauren Luzier

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: 325089, dated March 18, 2021*
Mount Mapping Report	*RKS Design & Engineering, LLC, Site ID: ATC:37062, VZW: 469196 dated April 18, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut Project #: 21777585A, dated May 28, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut Project #: 21777585A, dated June 24, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	118 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.996
Seismic Parameters:	S_S:	0.194
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
109.5	110.00	6	Andrew	SBNHH-1D65B	Retained
		3	Amphenol Antel	BXA-80063/4CF	
		3	Samsung	B2/B66A RRH-BRO49	
		3	Samsung	B5/B13 RRH-BRO4C	
		2	Raycap	RRFDC-3315-PF-48*	
		3	Samsung	MT6407-77A	Added

* Equipment is 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 Maser Consulting and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting to verify deviation will not adversely impact the analysis.

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

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

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

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

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

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

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting 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 Maser Consulting.

Analysis Results:

Component	Utilization %	Pass/Fail
Cross Members	28.1 %	Pass
Face Horizontal	66.3 %	Pass
Grating Angle	36.1 %	Pass
Mount Pipe	32.2 %	Pass
Standoff	21.7 %	Pass
MOD Kickers	5.2 %	Pass
MOD Support Rail	15.4 %	Pass
MOD Support Rail Corner Angle	20.7 %	Pass
Mount Connection	44.3 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**66.3%**

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 and Wind Speed Usage Letter


04/18/2021 14:48


04/18/2021 14:11

V4.0 Updated on 3-31-2021

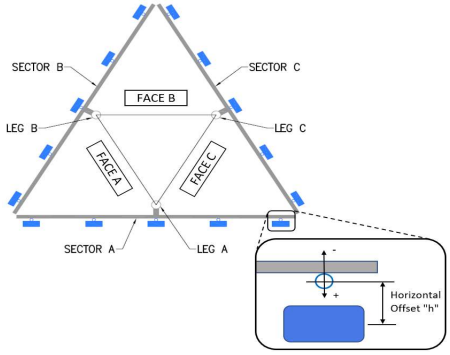
PAUL J. FORD & COMPANY

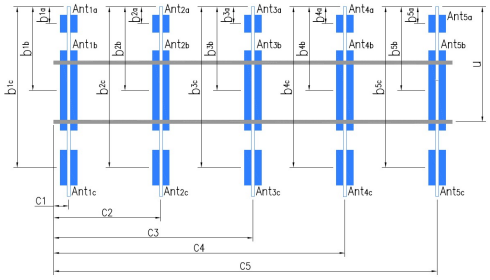
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
UNKNOWN

Tower Owner:	ATC	**Mapping Date:**	4/18/2021
Site Name:	ATC: NEWINGTON CT, VZW:WEST FARMS CT	**Tower Type:**	Monopole
Site Number or ID:	ATC: 370627, VZW: 469196	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	**Mount Elevation (Ft.):**	109

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 72" LONG	45.00	18.00	C1	PIPE 2.375" Ø X 0.15" X 72" LONG	45.00	18.00
A2	PIPE 2.375" Ø X 0.15" X 72" LONG	45.00	66.50	C2	PIPE 2.375" Ø X 0.15" X 72" LONG	45.00	64.00
A3	PIPE 2.375" Ø X 0.15" X 72" LONG	45.00	113.50	C3	PIPE 2.375" Ø X 0.15" X 72" LONG	45.00	111.50
A4	PIPE 2.375" Ø X 0.15" X 72" LONG	45.00	149.50	C4	PIPE 2.375" Ø X 0.15" X 72" LONG	45.00	149.50
A5				C5			
A6				C6			
B1	PIPE 2.375" Ø X 0.15" X 72" LONG	45.00	18.00	D1			
B2	PIPE 2.375" Ø X 0.15" X 72" LONG	45.00	64.25	D2			
B3	PIPE 2.375" Ø X 0.15" X 72" LONG	45.00	113.75	D3			
B4	PIPE 2.375" Ø X 0.15" X 72" LONG	45.00	151.00	D4			
B5				D5			
B6				D6			

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

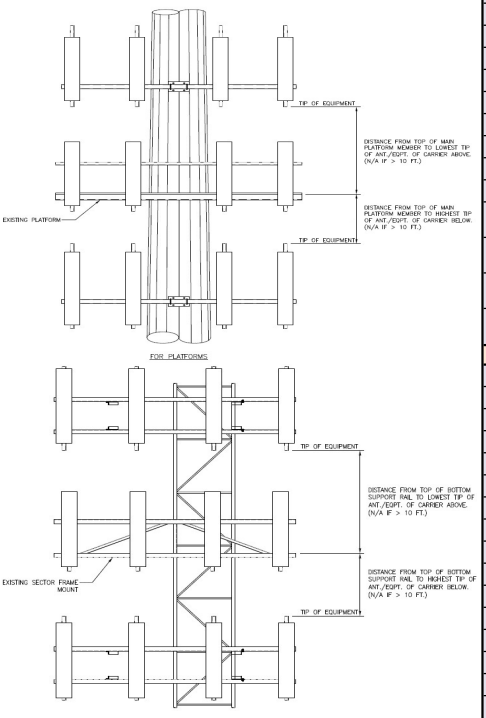
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	37.9
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.375

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	(2) SBNHH-1D65B	11.90	7.10	72.00		109.583	38.00	10.00	50.00	12, 248
Ant_{1c}										
Ant_{2a}	RFV01U-D1A	15.00	10.00	15.00		111.25	18.00	-8.50		252, 399
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	RFV01U-D2A	15.00	8.00	15.00		111.25	18.00	-8.00		254, 406
Ant_{3b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		109.875	34.50	11.50	50.00	12, 254
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-80063-4CF-EDIN	11.20	5.20	47.40		110.229	30.25	9.25	50.00	12, 257
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

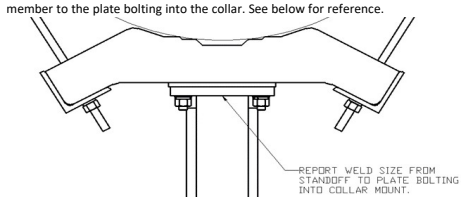
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	50.00	Deg	Leg A:		Deg
Sector B:	170.00	Deg	Leg B:		Deg
Sector C:	290.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	120.00	Deg	N/A
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

Please insert a photo of the mount centerline measurement here.



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



Sector B										
Ant_{1a}										
Ant_{1b}	(2) SBNHH-1D65B	11.90	7.10	72.00		109.583	38.00	10.00	170.00	19, 259
Ant_{1c}										
Ant_{2a}	RFV01U-D1A	15.00	10.00	15.00		111.25	18.00	-8.50		263, 423
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	RFV01U-D2A	15.00	8.00	15.00		111.25	18.00	-8.00		267, 430
Ant_{3b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		109.875	34.50	11.50	170.00	19, 267
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-80063-4CF-EDIN	11.20	5.20	47.40		110.229	30.25	9.25	170.00	19, 268
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	(2) SBNHH-1D65B	11.90	7.10	72.00		109.583	38.00	10.00	290.00	26, 271
Ant_{1c}										
Ant_{2a}	RFV01U-D1A	15.00	10.00	15.00		111.25	18.00	-8.50		275, 313
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	RFV01U-D2A	15.00	8.00	15.00		111.25	18.00	-8.00		280, 336
Ant_{3b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		109.875	34.50	11.50	290.00	26, 280
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-80063-4CF-EDIN	11.20	5.20	47.40		110.229	30.25	9.25	290.00	26, 281
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	15.75	10.25	18.50			45.25			276, 316
Ant on Tower	RRFDC-3315-PF-48	15.75	10.25	18.50			51.25			320
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(8): (6) FH 1-5/8, (2)1.5" Ø HYBRID	46
2	ALL THREADED ROD OF COLLAR BENT.	234
3		
4		
5		
6		
7		
8		

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

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

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

V4.0 Updated on 3-31-2021

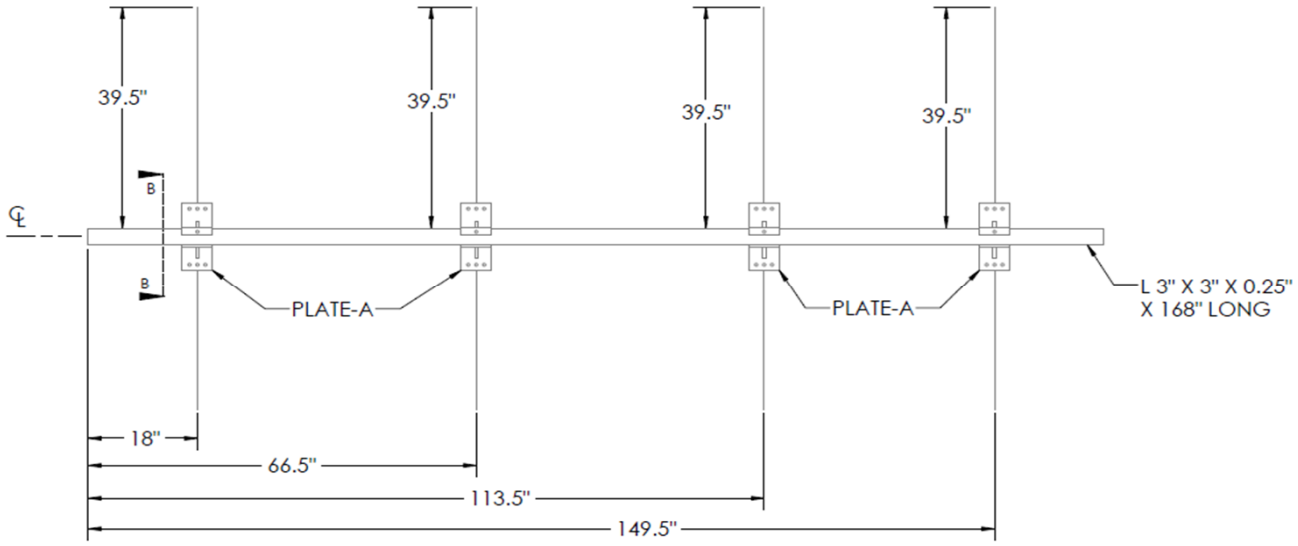
PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

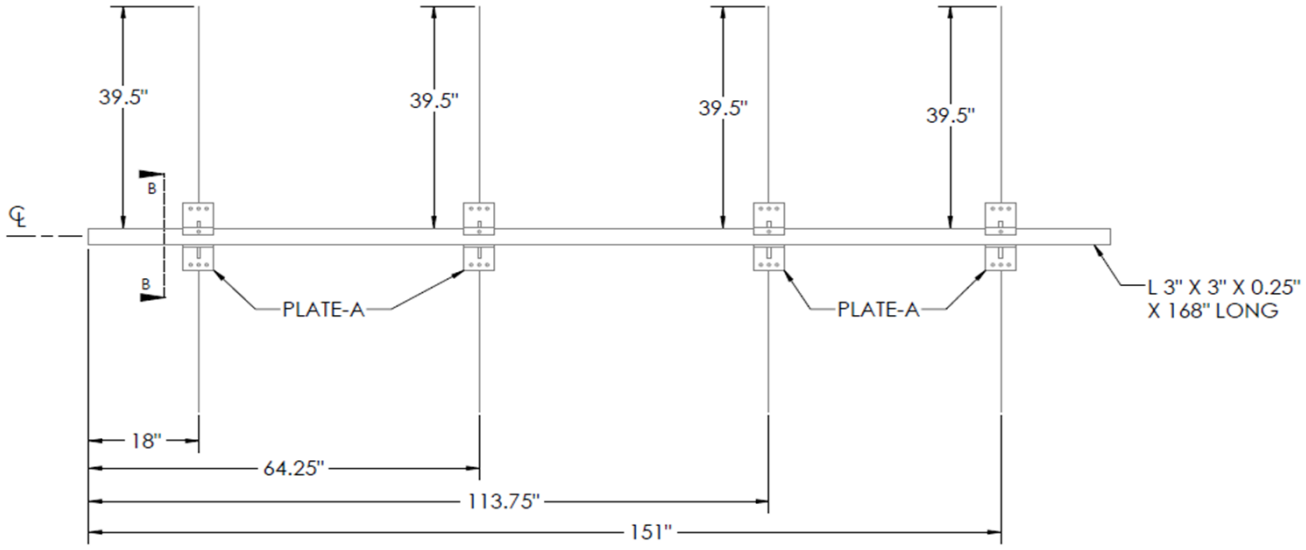
FCC #
UNKNOWN

Tower Owner:	ATC	**Mapping Date:**	4/18/2021
Site Name:	ATC: NEWINGTON CT, VZW:WEST FARMS CT	**Tower Type:**	Monopole
Site Number or ID:	ATC: 370627	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	**Mount Elevation (Ft.):**	109

Please Insert Sketches of the Antenna Mount

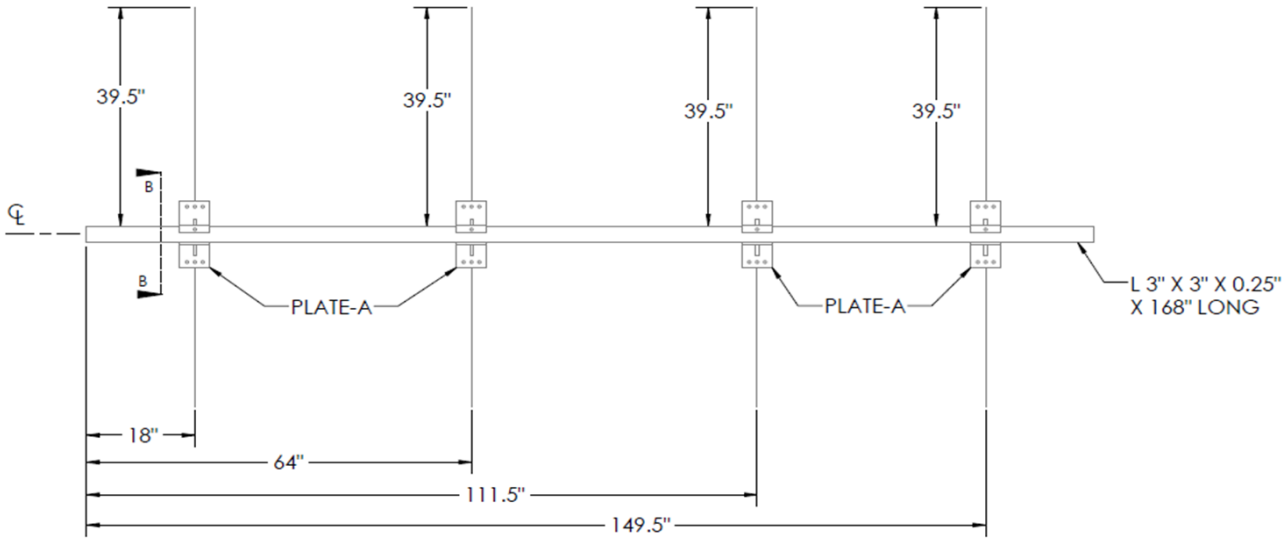


SECTOR-A

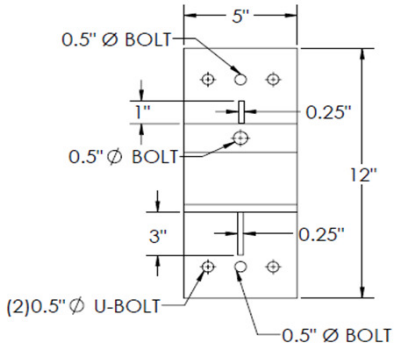


SECTOR-B

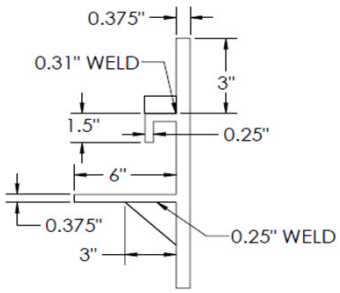
Please Insert Sketches of the Antenna Mount, cont'd



SECTOR-C

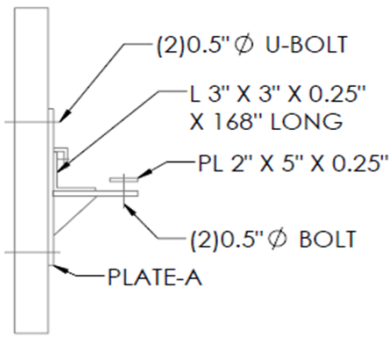


FRONT VIEW



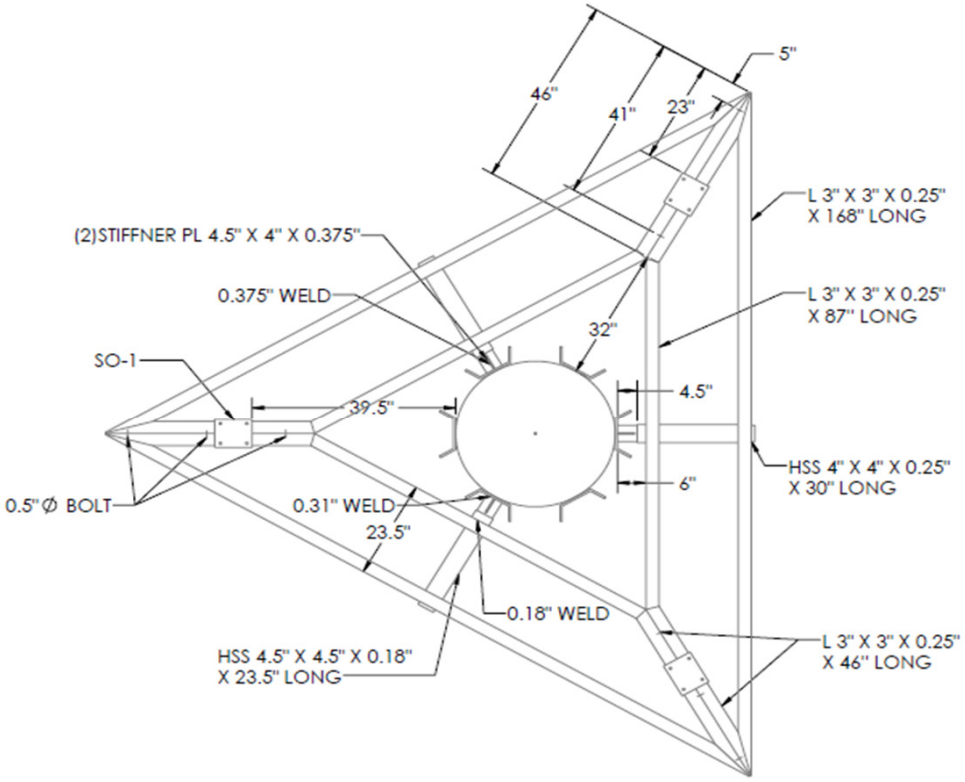
SIDE VIEW

DETAIL OF PL-A

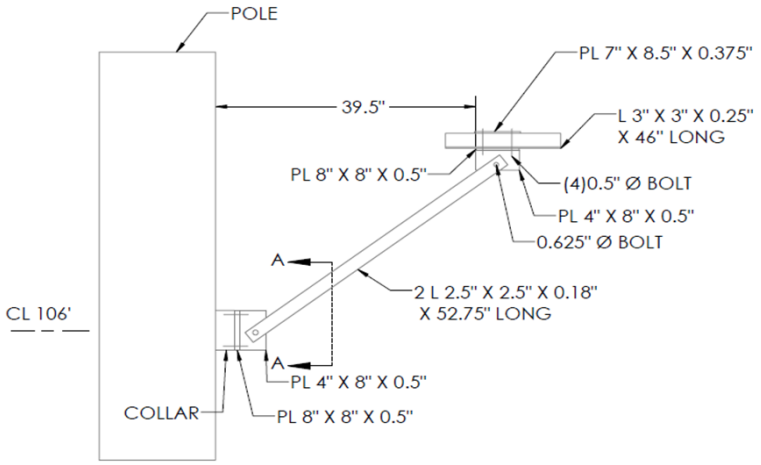


SECTION B-B

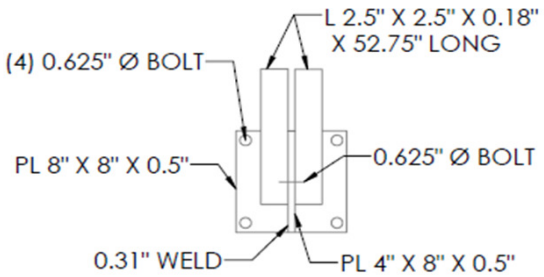
Please Insert Sketches of the Antenna Mount, cont'd



MOUNT PLAN VIEW

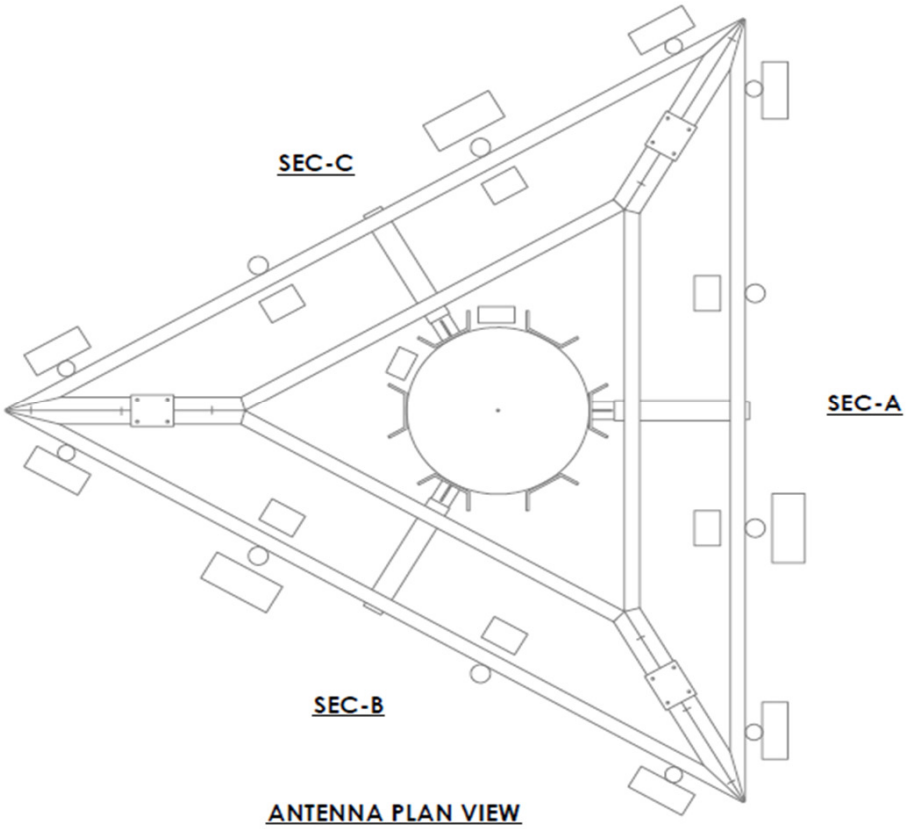


STAND OFF VIEW-1

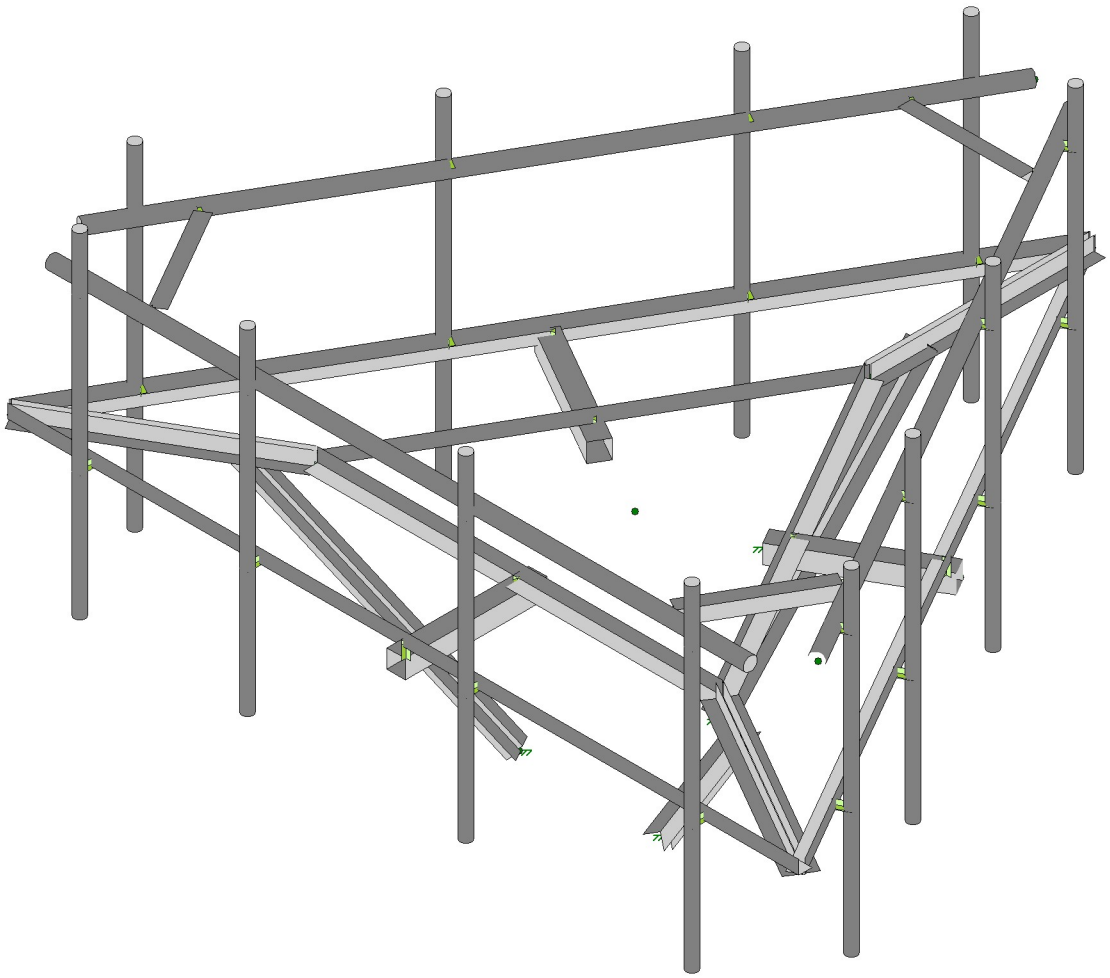


SECTION A-A

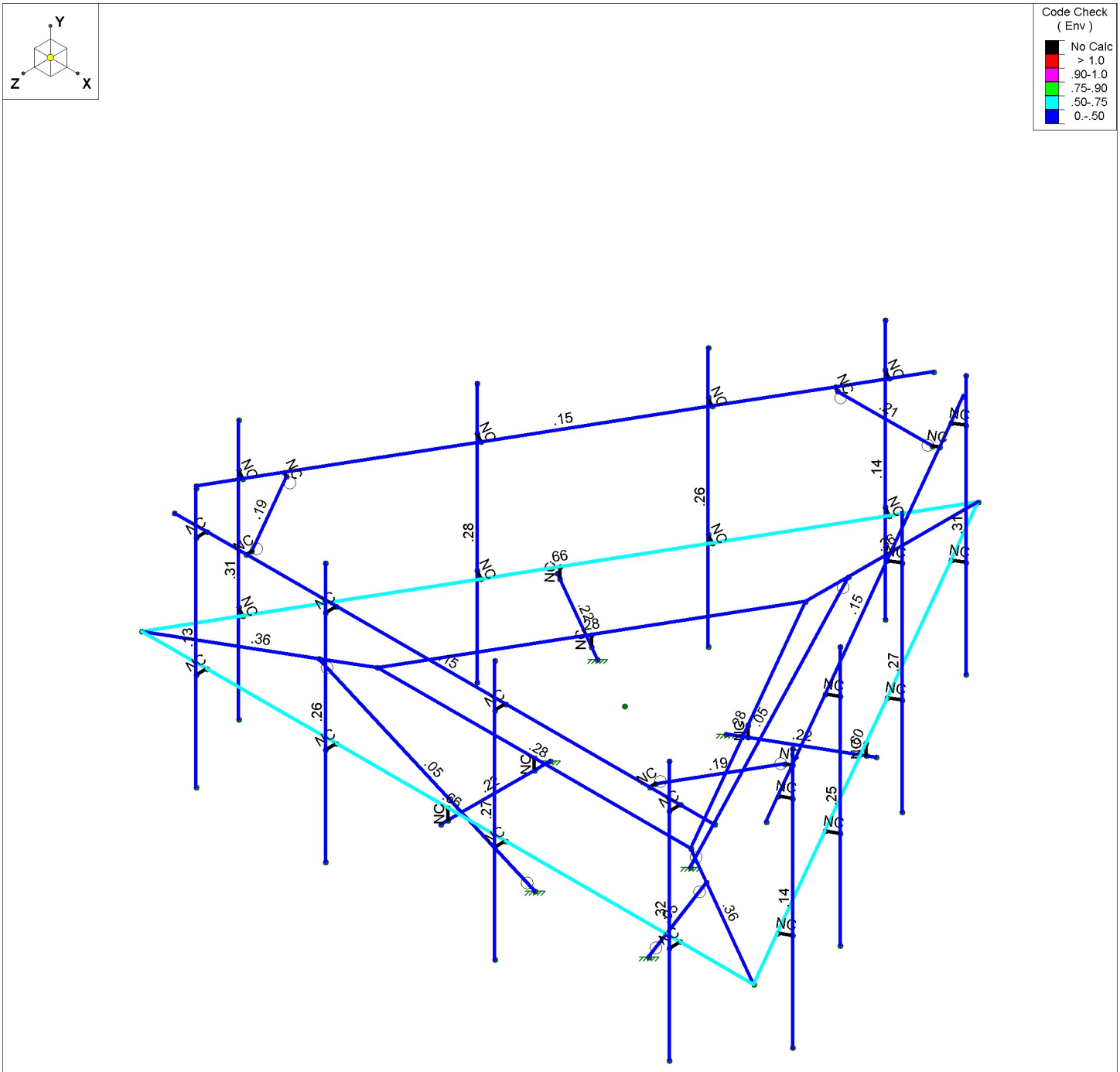
Please Insert Sketches of the Antenna Mount, cont'd



ANTENNA PLAN VIEW

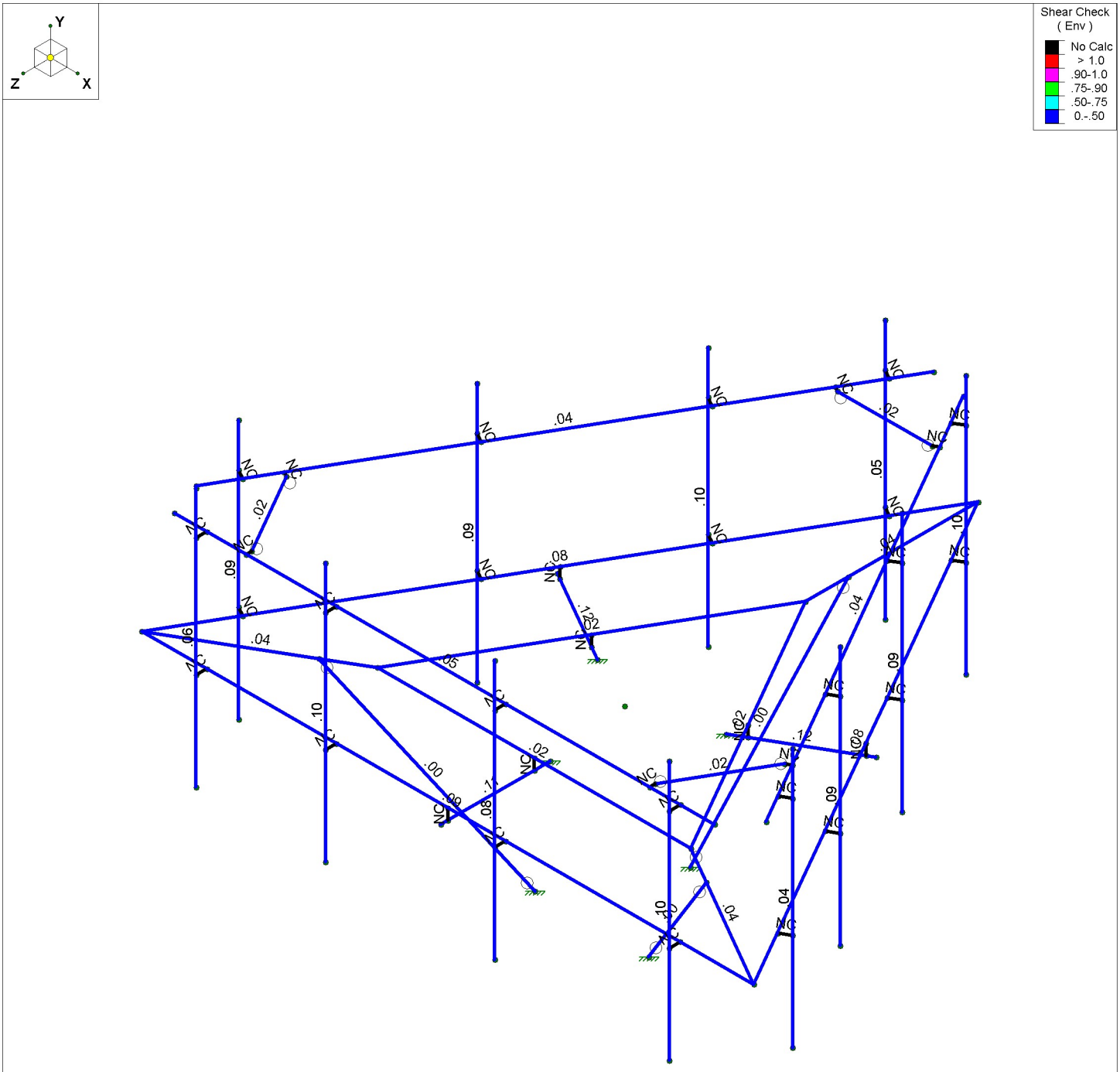


Maser Consulting	469196-VZW_MT_LO_H	SK - 1
DC		June 21, 2021 at 12:46 PM
		469196-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	469196-VZW_MT_LO_H	SK - 3
DC		June 21, 2021 at 12:47 PM
		469196-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	469196-VZW_MT_LO_H	SK - 4
DC		June 21, 2021 at 12:47 PM
		469196-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					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					3	
40	Structure Di	None						33	3	
41	Structure Wo (0 Deg)	None						66		
42	Structure Wo (30 Deg)	None						66		
43	Structure Wo (60 Deg)	None						66		
44	Structure Wo (90 Deg)	None						66		
45	Structure Wo (120 D...	None						66		
46	Structure Wo (150 D...	None						66		
47	Structure Wo (180 D...	None						66		
48	Structure Wo (210 D...	None						66		
49	Structure Wo (240 D...	None						66		
50	Structure Wo (270 D...	None						66		
51	Structure Wo (300 D...	None						66		
52	Structure Wo (330 D...	None						66		
53	Structure Wi (0 Deg)	None						66		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
54	Structure Wi (30 Deg)	None						66		
55	Structure Wi (60 Deg)	None						66		
56	Structure Wi (90 Deg)	None						66		
57	Structure Wi (120 De...	None						66		
58	Structure Wi (150 De...	None						66		
59	Structure Wi (180 De...	None						66		
60	Structure Wi (210 De...	None						66		
61	Structure Wi (240 De...	None						66		
62	Structure Wi (270 De...	None						66		
63	Structure Wi (300 De...	None						66		
64	Structure Wi (330 De...	None						66		
65	Structure Wm (0 Deg)	None						66		
66	Structure Wm (30 De...	None						66		
67	Structure Wm (60 De...	None						66		
68	Structure Wm (90 De...	None						66		
69	Structure Wm (120 D...	None						66		
70	Structure Wm (150 D...	None						66		
71	Structure Wm (180 D...	None						66		
72	Structure Wm (210 D...	None						66		
73	Structure Wm (240 D...	None						66		
74	Structure Wm (270 D...	None						66		
75	Structure Wm (300 D...	None						66		
76	Structure Wm (330 D...	None						66		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						35		
82	BLC 40 Transient Are...	None						35		

Load Combinations

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 ...	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60...	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90...	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (12...	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (15...	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (18...	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (21...	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (24...	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (27...	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (33...	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
24	1.2D + 1.0Di + 1..	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	CP	0.	0.541667	-0.122333	0	
2	N15	-3.625	0.541667	1.970833	0	
3	N16	-7.083352	0.541667	3.970833	0	
4	N17	3.625001	0.541667	1.970833	0	
5	N18	7.083353	0.541667	3.970833	0	
6	N15A	0.	0.541667	1.970833	0	
7	N16A	0.	0.541667	3.970833	0	
8	N33	5.377686	0.541667	3.970833	0	
9	N34	1.336019	0.541667	3.970833	0	
10	N35	-2.580647	0.541667	3.970833	0	
11	N36	-5.580647	0.541667	3.970833	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
12	N37	5.377686	0.541667	4.220833	0	
13	N38	1.336019	0.541667	4.220833	0	
14	N39	-2.580647	0.541667	4.220833	0	
15	N40	-5.580647	0.541667	4.220833	0	
16	N41	5.377686	4.291667	4.220833	0	
17	N42	1.336019	4.291667	4.220833	0	
18	N43	-2.580647	4.291667	4.220833	0	
19	N44	-5.580647	4.291667	4.220833	0	
20	N45	5.377686	-1.708333	4.220833	0	
21	N46	1.336019	-1.708333	4.220833	0	
22	N47	-2.580647	-1.708333	4.220833	0	
23	N48	-5.580647	-1.708333	4.220833	0	
24	N25	0.	0.291667	1.970833	0	
25	N26	0.	0.291667	3.970833	0	
26	N27	0.	0.291667	1.5992	0	
27	N27A	0.	0.291667	4.1375	0	
28	N31	0.000236	0.541667	-4.30826	0	
29	N32	0.003111	0.541667	-8.30328	0	
30	N35A	0.855382	0.541667	-6.825805	0	
31	N36A	2.874885	0.541667	-3.324851	0	
32	N37A	4.831929	0.541667	0.067827	0	
33	N38A	6.330941	0.541667	2.666473	0	
34	N39A	1.07245	0.541667	-6.951129	0	
35	N40A	3.093284	0.541667	-3.450943	0	
36	N41A	5.051617	0.541667	-0.05901	0	
37	N42A	6.551617	0.541667	2.539066	0	
38	N43A	1.07245	4.291667	-6.951129	0	
39	N44A	3.093284	4.291667	-3.450943	0	
40	N45A	5.051617	4.291667	-0.05901	0	
41	N46A	6.551617	4.291667	2.539066	0	
42	N47A	1.07245	-1.708333	-6.951129	0	
43	N48A	3.093284	-1.708333	-3.450943	0	
44	N49	5.051617	-1.708333	-0.05901	0	
45	N50	6.551617	-1.708333	2.539066	0	
46	N62	-6.228963	0.541667	2.490989	0	
47	N63	-4.20813	0.541667	-1.009197	0	
48	N64	-2.249797	0.541667	-4.40113	0	
49	N65	-0.749797	0.541667	-6.999206	0	
50	N66	-6.450135	0.541667	2.363295	0	
51	N67	-4.429302	0.541667	-1.136891	0	
52	N68	-2.470969	0.541667	-4.528824	0	
53	N69	-0.970969	0.541667	-7.1269	0	
54	N70	-6.450135	4.291667	2.363295	0	
55	N71	-4.429302	4.291667	-1.136891	0	
56	N72	-2.470969	4.291667	-4.528824	0	
57	N73	-0.970969	4.291667	-7.1269	0	
58	N74	-6.450135	-1.708333	2.363295	0	
59	N75	-4.429302	-1.708333	-1.136891	0	
60	N76	-2.470969	-1.708333	-4.528824	0	
61	N77	-0.970969	-1.708333	-7.1269	0	
62	N75B	0.000236	-3.458333	-1.641593	0	
63	N76A	0.000955	0.541667	-5.30826	0	
64	N70A	1.812501	0.541667	-1.168917	0	
65	N71A	3.541678	0.541667	-2.168917	0	
66	N72A	1.812736	0.291667	-1.168917	0	
67	N73A	3.544787	0.291667	-2.168917	0	
68	N74B	1.490892	0.291667	-0.9831	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
69	N75A	3.689124	0.291667	-2.25225	0	
70	N77A	-1.812265	0.541667	-1.168917	0	
71	N78	-3.538565	0.541667	-2.168917	0	
72	N79	-1.812735	0.291667	-1.168917	0	
73	N80	-3.544786	0.291667	-2.168917	0	
74	N81	-1.490891	0.291667	-0.9831	0	
75	N82A	-3.689124	0.291667	-2.25225	0	
76	N77B	-6.330635	3.291667	3.970833	0	
77	N79A	-6.229259	3.291667	2.490819	0	
78	N80A	-4.209934	3.291667	-1.010238	0	
79	N81A	-2.253062	3.291667	-4.403015	0	
80	N82	-0.754182	3.291667	-7.001738	0	
81	N83	-6.450135	3.291667	2.363295	0	
82	N84	-4.429302	3.291667	-1.136891	0	
83	N85	-2.470969	3.291667	-4.528824	0	
84	N86	-0.970969	3.291667	-7.1269	0	
85	N88	6.169355	3.291667	3.965446	0	
86	N90	5.377686	3.291667	3.965787	0	
87	N91	1.336019	3.291667	3.967529	0	
88	N92	-2.580647	3.291667	3.969217	0	
89	N93	-5.580647	3.291667	3.97051	0	
90	N94	5.377686	3.291667	4.220833	0	
91	N95	1.336019	3.291667	4.220833	0	
92	N96	-2.580647	3.291667	4.220833	0	
93	N97	-5.580647	3.291667	4.220833	0	
94	N101	0.851574	3.291667	-6.823606	0	
95	N102	2.873916	3.291667	-3.324291	0	
96	N103	4.833711	3.291667	0.066798	0	
97	N104	6.334831	3.291667	2.664228	0	
98	N105	1.07245	3.291667	-6.951129	0	
99	N106	3.093284	3.291667	-3.450943	0	
100	N107	5.051617	3.291667	-0.05901	0	
101	N108	6.551617	3.291667	2.539066	0	
102	N103A	6.710104	3.291667	3.313574	0	
103	N104A	0.455444	3.291667	-7.509041	0	
104	N105A	-0.379468	3.291667	-7.651408	0	
105	N106A	-6.624798	3.291667	3.176595	0	
106	N107A	-1.315835	-3.458333	0.637093	0	
107	N108A	-4.48821	0.541667	2.470036	0	
108	N109	1.3156	-3.458333	0.6375	0	
109	N110	4.490263	0.541667	2.471223	0	
110	N111	4.669355	3.291667	3.966092	0	
111	N112	4.669355	3.291667	3.840446	0	
112	N112A	-4.669355	3.291667	3.970117	0	
113	N113	-4.669355	3.291667	3.840446	0	
114	N114	1.206004	3.291667	-6.210326	0	
115	N115	1.097191	3.291667	-6.147502	0	
116	N116	5.878844	3.291667	1.875221	0	
117	N117	5.766545	3.291667	1.940057	0	
118	N118	-5.875357	3.291667	1.877233	0	
119	N119	-5.766544	3.291667	1.940056	0	
120	N120	-1.209488	3.291667	-6.212339	0	
121	N121	-1.09719	3.291667	-6.147503	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	OVP Mount Pipe	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
3	Cross Members	L3X3X4	Beam	Single A...	A36 Gr.36	Typical	1.44	1.23	1.23	.031
4	Face Horizontal	L3X3X4	Beam	Single A...	A36 Gr.36	Typical	1.44	1.23	1.23	.031
5	Standoff	HSS4X4X4	Beam	Tube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
6	Grating Angle	LL3x3x4x0	Beam	Double ...	A36 Gr.36	Typical	2.88	4.5	2.46	.063
7	Support Corner Plate	L2.5x2.5x4	Beam	Single A...	A36 Gr.36	Typical	1.19	.692	.692	.026
8	MOD Kickers	LL3x3x3x6	Beam	Double ...	A36 Gr.36	Typical	2.18	4.97	1.9	.027
9	MOD Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	MOD Support Rail ...	L3X3X4	Beam	Single A...	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M6A	N17	N15		270	Cross Members	Beam	Single Angle	A36 Gr.36	Typical
2	M7A	N16	N18		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
3	M73	N16	N15		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
4	M74	N18	N17		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
5	M19	N33	N37			RIGID	None	None	RIGID	Typical
6	M20	N34	N38			RIGID	None	None	RIGID	Typical
7	M21	N35	N39			RIGID	None	None	RIGID	Typical
8	M22	N36	N40			RIGID	None	None	RIGID	Typical
9	MP4A	N44	N48			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
10	MP3A	N43	N47			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
11	MP2A	N42	N46			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
12	MP1A	N41	N45			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
13	M13	N16A	N26			RIGID	None	None	RIGID	Typical
14	M14	N15A	N25			RIGID	None	None	RIGID	Typical
15	M15	N27A	N27			Standoff	Beam	Tube	A500 Gr.B...	Typical
16	M16	N31	N17		270	Cross Members	Beam	Single Angle	A36 Gr.36	Typical
17	M17	N18	N32		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
18	M19A	N32	N31		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
19	M20A	N35A	N39A			RIGID	None	None	RIGID	Typical
20	M21A	N36A	N40A			RIGID	None	None	RIGID	Typical
21	M22A	N37A	N41A			RIGID	None	None	RIGID	Typical
22	M23	N38A	N42A			RIGID	None	None	RIGID	Typical
23	MP4B	N46A	N50			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
24	MP3B	N45A	N49			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
25	MP2B	N44A	N48A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
26	MP1B	N43A	N47A			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
27	M31	N15	N31		270	Cross Members	Beam	Single Angle	A36 Gr.36	Typical
28	M32	N32	N16		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
29	M35	N62	N66			RIGID	None	None	RIGID	Typical
30	M36	N63	N67			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
31	M37	N64	N68			RIGID	None	None	RIGID	Typical
32	M38	N65	N69			RIGID	None	None	RIGID	Typical
33	MP4C	N73	N77			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
34	MP3C	N72	N76			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
35	MP2C	N71	N75			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
36	MP1C	N70	N74			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
37	M46	N76A	N75B			MOD Kickers	Beam	Double Angle (...	A36 Gr.36	Typical
38	M40A	N71A	N73A			RIGID	None	None	RIGID	Typical
39	M41A	N70A	N72A			RIGID	None	None	RIGID	Typical
40	M42A	N75A	N74B			Standoff	Beam	Tube	A500 Gr.B...	Typical
41	M43	N78	N80			RIGID	None	None	RIGID	Typical
42	M44	N77A	N79			RIGID	None	None	RIGID	Typical
43	M45	N82A	N81			Standoff	Beam	Tube	A500 Gr.B...	Typical
44	M45A	N79A	N83			RIGID	None	None	RIGID	Typical
45	M46A	N80A	N84			RIGID	None	None	RIGID	Typical
46	M47	N81A	N85			RIGID	None	None	RIGID	Typical
47	M48	N82	N86			RIGID	None	None	RIGID	Typical
48	M49	N77B	N88		270	MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
49	M50	N90	N94			RIGID	None	None	RIGID	Typical
50	M51	N91	N95			RIGID	None	None	RIGID	Typical
51	M52	N92	N96			RIGID	None	None	RIGID	Typical
52	M53	N93	N97			RIGID	None	None	RIGID	Typical
53	M55	N101	N105			RIGID	None	None	RIGID	Typical
54	M56	N102	N106			RIGID	None	None	RIGID	Typical
55	M57	N103	N107			RIGID	None	None	RIGID	Typical
56	M58	N104	N108			RIGID	None	None	RIGID	Typical
57	M57A	N103A	N104A		270	MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
58	M58A	N105A	N106A		270	MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
59	M59	N108A	N107A			MOD Kickers	Beam	Double Angle (...	A36 Gr.36	Typical
60	M60	N110	N109			MOD Kickers	Beam	Double Angle (...	A36 Gr.36	Typical
61	M61	N111	N112			RIGID	None	None	RIGID	Typical
62	M62	N112A	N113			RIGID	None	None	RIGID	Typical
63	M63	N114	N115			RIGID	None	None	RIGID	Typical
64	M64	N116	N117			RIGID	None	None	RIGID	Typical
65	M65	N118	N119			RIGID	None	None	RIGID	Typical
66	M66	N120	N121			RIGID	None	None	RIGID	Typical
67	M67	N112	N117		180	MOD Support ...	Beam	Single Angle	A36 Gr.36	Typical
68	M68	N115	N121		180	MOD Support ...	Beam	Single Angle	A36 Gr.36	Typical
69	M69	N119	N113		180	MOD Support ...	Beam	Single Angle	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M6A	Cross Mem...	7.25			Lbyy						Lateral
2	M7A	Face Horizo...	14.167	6.917	6.917	Lbyy						Lateral
3	M73	Grating Angle	3.995			Lbyy						Lateral
4	M74	Grating Angle	3.995			Lbyy						Lateral
5	MP4A	Mount Pipe	6			Lbyy						Lateral
6	MP3A	Mount Pipe	6			Lbyy						Lateral
7	MP2A	Mount Pipe	6			Lbyy						Lateral
8	MP1A	Mount Pipe	6			Lbyy						Lateral
9	M15	Standoff	2.538			Lbyy						Lateral
10	M16	Cross Mem...	7.25			Lbyy						Lateral
11	M17	Face Horizo...	14.17	6.917	6.917	Lbyy						Lateral
12	M19A	Grating Angle	3.995			Lbyy						Lateral
13	MP4B	Mount Pipe	6			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
14	MP3B	Mount Pipe	6			Lbyy						Lateral
15	MP2B	Mount Pipe	6			Lbyy						Lateral
16	MP1B	Mount Pipe	6			Lbyy						Lateral
17	M31	Cross Mem...	7.25			Lbyy						Lateral
18	M32	Face Horizo...	14.173	6.917	6.917	Lbyy						Lateral
19	MP4C	Mount Pipe	6			Lbyy						Lateral
20	MP3C	Mount Pipe	6			Lbyy						Lateral
21	MP2C	Mount Pipe	6			Lbyy						Lateral
22	MP1C	Mount Pipe	6			Lbyy						Lateral
23	M46	MOD Kickers	5.426			Lbyy						Lateral
24	M42A	Standoff	2.538			Lbyy						Lateral
25	M45	Standoff	2.538			Lbyy						Lateral
26	M49	MOD Supp...	12.5	6.917	6.917	Lbyy						Lateral
27	M57A	MOD Supp...	12.5	6.917	6.917	Lbyy						Lateral
28	M58A	MOD Supp...	12.5	6.917	6.917	Lbyy						Lateral
29	M59	MOD Kickers	5.424			Lbyy						Lateral
30	M60	MOD Kickers	5.426			Lbyy						Lateral
31	M67	MOD Supp...	2.194			Lbyy						Lateral
32	M68	MOD Supp...	2.194			Lbyy						Lateral
33	M69	MOD Supp...	2.194			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-20	1.8
2	MP1A	My	-.01	1.8
3	MP1A	Mz	.013	1.8
4	MP1A	Y	-20	5.4
5	MP1A	My	-.01	5.4
6	MP1A	Mz	.013	5.4
7	MP1B	Y	-20	1.8
8	MP1B	My	-.007	1.8
9	MP1B	Mz	-.015	1.8
10	MP1B	Y	-20	5.4
11	MP1B	My	-.007	5.4
12	MP1B	Mz	-.015	5.4
13	MP1C	Y	-20	1.8
14	MP1C	My	-.009	1.8
15	MP1C	Mz	.014	1.8
16	MP1C	Y	-20	5.4
17	MP1C	My	-.009	5.4
18	MP1C	Mz	.014	5.4
19	MP1A	Y	-20	1.8
20	MP1A	My	-.01	1.8
21	MP1A	Mz	-.013	1.8
22	MP1A	Y	-20	5.4
23	MP1A	My	-.01	5.4
24	MP1A	Mz	-.013	5.4
25	MP1B	Y	-20	1.8
26	MP1B	My	.017	1.8
27	MP1B	Mz	-.002	1.8
28	MP1B	Y	-20	5.4
29	MP1B	My	.017	5.4
30	MP1B	Mz	-.002	5.4
31	MP1C	Y	-20	1.8
32	MP1C	My	.016	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP1C	Mz	.005	1.8
34	MP1C	Y	-20	5.4
35	MP1C	My	.016	5.4
36	MP1C	Mz	.005	5.4
37	MP4A	Y	-4.95	1.5
38	MP4A	My	-.002	1.5
39	MP4A	Mz	0	1.5
40	MP4A	Y	-4.95	4.5
41	MP4A	My	-.002	4.5
42	MP4A	Mz	0	4.5
43	MP4B	Y	-4.95	1.5
44	MP4B	My	.001	1.5
45	MP4B	Mz	-.002	1.5
46	MP4B	Y	-4.95	4.5
47	MP4B	My	.001	4.5
48	MP4B	Mz	-.002	4.5
49	MP4C	Y	-4.95	1.5
50	MP4C	My	.000846	1.5
51	MP4C	Mz	.002	1.5
52	MP4C	Y	-4.95	4.5
53	MP4C	My	.000846	4.5
54	MP4C	Mz	.002	4.5
55	MP2A	Y	-84.4	2
56	MP2A	My	.042	2
57	MP2A	Mz	0	2
58	MP2B	Y	-84.4	2
59	MP2B	My	-.021	2
60	MP2B	Mz	.037	2
61	MP2C	Y	-84.4	2
62	MP2C	My	-.014	2
63	MP2C	Mz	-.04	2
64	MP3A	Y	-70.3	2
65	MP3A	My	.035	2
66	MP3A	Mz	0	2
67	MP3B	Y	-70.3	2
68	MP3B	My	-.018	2
69	MP3B	Mz	.03	2
70	MP3C	Y	-70.3	2
71	MP3C	My	-.012	2
72	MP3C	Mz	-.033	2
73	MP3A	Y	-43.55	2.5
74	MP3A	My	.022	2.5
75	MP3A	Mz	0	2.5
76	MP3A	Y	-43.55	3.5
77	MP3A	My	.022	3.5
78	MP3A	Mz	0	3.5
79	MP3B	Y	-43.55	2.5
80	MP3B	My	-.011	2.5
81	MP3B	Mz	.019	2.5
82	MP3B	Y	-43.55	3.5
83	MP3B	My	-.011	3.5
84	MP3B	Mz	.019	3.5
85	MP3C	Y	-43.55	2.5
86	MP3C	My	-.007	2.5
87	MP3C	Mz	-.02	2.5
88	MP3C	Y	-43.55	3.5
89	MP3C	My	-.007	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP3C	Mz	-.02	3.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-93.894	1.8
2	MP1A	My	-.047	1.8
3	MP1A	Mz	.063	1.8
4	MP1A	Y	-93.894	5.4
5	MP1A	My	-.047	5.4
6	MP1A	Mz	.063	5.4
7	MP1B	Y	-93.894	1.8
8	MP1B	My	-.031	1.8
9	MP1B	Mz	-.072	1.8
10	MP1B	Y	-93.894	5.4
11	MP1B	My	-.031	5.4
12	MP1B	Mz	-.072	5.4
13	MP1C	Y	-93.894	1.8
14	MP1C	My	-.043	1.8
15	MP1C	Mz	.066	1.8
16	MP1C	Y	-93.894	5.4
17	MP1C	My	-.043	5.4
18	MP1C	Mz	.066	5.4
19	MP1A	Y	-93.894	1.8
20	MP1A	My	-.047	1.8
21	MP1A	Mz	-.063	1.8
22	MP1A	Y	-93.894	5.4
23	MP1A	My	-.047	5.4
24	MP1A	Mz	-.063	5.4
25	MP1B	Y	-93.894	1.8
26	MP1B	My	.078	1.8
27	MP1B	Mz	-.009	1.8
28	MP1B	Y	-93.894	5.4
29	MP1B	My	.078	5.4
30	MP1B	Mz	-.009	5.4
31	MP1C	Y	-93.894	1.8
32	MP1C	My	.075	1.8
33	MP1C	Mz	.023	1.8
34	MP1C	Y	-93.894	5.4
35	MP1C	My	.075	5.4
36	MP1C	Mz	.023	5.4
37	MP4A	Y	-55.412	1.5
38	MP4A	My	-.028	1.5
39	MP4A	Mz	0	1.5
40	MP4A	Y	-55.412	4.5
41	MP4A	My	-.028	4.5
42	MP4A	Mz	0	4.5
43	MP4B	Y	-55.412	1.5
44	MP4B	My	.014	1.5
45	MP4B	Mz	-.024	1.5
46	MP4B	Y	-55.412	4.5
47	MP4B	My	.014	4.5
48	MP4B	Mz	-.024	4.5
49	MP4C	Y	-55.412	1.5
50	MP4C	My	.009	1.5
51	MP4C	Mz	.026	1.5
52	MP4C	Y	-55.412	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	My	.009	4.5
54	MP4C	Mz	.026	4.5
55	MP2A	Y	-69.85	2
56	MP2A	My	.035	2
57	MP2A	Mz	0	2
58	MP2B	Y	-69.85	2
59	MP2B	My	-.017	2
60	MP2B	Mz	.03	2
61	MP2C	Y	-69.85	2
62	MP2C	My	-.012	2
63	MP2C	Mz	-.033	2
64	MP3A	Y	-63.049	2
65	MP3A	My	.032	2
66	MP3A	Mz	0	2
67	MP3B	Y	-63.049	2
68	MP3B	My	-.016	2
69	MP3B	Mz	.027	2
70	MP3C	Y	-63.049	2
71	MP3C	My	-.011	2
72	MP3C	Mz	-.03	2
73	MP3A	Y	-54.988	2.5
74	MP3A	My	.027	2.5
75	MP3A	Mz	0	2.5
76	MP3A	Y	-54.988	3.5
77	MP3A	My	.027	3.5
78	MP3A	Mz	0	3.5
79	MP3B	Y	-54.988	2.5
80	MP3B	My	-.014	2.5
81	MP3B	Mz	.024	2.5
82	MP3B	Y	-54.988	3.5
83	MP3B	My	-.014	3.5
84	MP3B	Mz	.024	3.5
85	MP3C	Y	-54.988	2.5
86	MP3C	My	-.009	2.5
87	MP3C	Mz	-.026	2.5
88	MP3C	Y	-54.988	3.5
89	MP3C	My	-.009	3.5
90	MP3C	Mz	-.026	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.8
2	MP1A	Z	-159.822	1.8
3	MP1A	Mx	-.107	1.8
4	MP1A	X	0	5.4
5	MP1A	Z	-159.822	5.4
6	MP1A	Mx	-.107	5.4
7	MP1B	X	0	1.8
8	MP1B	Z	-119.224	1.8
9	MP1B	Mx	.091	1.8
10	MP1B	X	0	5.4
11	MP1B	Z	-119.224	5.4
12	MP1B	Mx	.091	5.4
13	MP1C	X	0	1.8
14	MP1C	Z	-112.023	1.8
15	MP1C	Mx	-.078	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP1C	X	0	5.4
17	MP1C	Z	-112.023	5.4
18	MP1C	Mx	-.078	5.4
19	MP1A	X	0	1.8
20	MP1A	Z	-159.822	1.8
21	MP1A	Mx	.107	1.8
22	MP1A	X	0	5.4
23	MP1A	Z	-159.822	5.4
24	MP1A	Mx	.107	5.4
25	MP1B	X	0	1.8
26	MP1B	Z	-119.224	1.8
27	MP1B	Mx	.012	1.8
28	MP1B	X	0	5.4
29	MP1B	Z	-119.224	5.4
30	MP1B	Mx	.012	5.4
31	MP1C	X	0	1.8
32	MP1C	Z	-112.023	1.8
33	MP1C	Mx	-.027	1.8
34	MP1C	X	0	5.4
35	MP1C	Z	-112.023	5.4
36	MP1C	Mx	-.027	5.4
37	MP4A	X	0	1.5
38	MP4A	Z	-92.446	1.5
39	MP4A	Mx	0	1.5
40	MP4A	X	0	4.5
41	MP4A	Z	-92.446	4.5
42	MP4A	Mx	0	4.5
43	MP4B	X	0	1.5
44	MP4B	Z	-60.085	1.5
45	MP4B	Mx	.026	1.5
46	MP4B	X	0	4.5
47	MP4B	Z	-60.085	4.5
48	MP4B	Mx	.026	4.5
49	MP4C	X	0	1.5
50	MP4C	Z	-54.346	1.5
51	MP4C	Mx	-.026	1.5
52	MP4C	X	0	4.5
53	MP4C	Z	-54.346	4.5
54	MP4C	Mx	-.026	4.5
55	MP2A	X	0	2
56	MP2A	Z	-73.252	2
57	MP2A	Mx	0	2
58	MP2B	X	0	2
59	MP2B	Z	-55.037	2
60	MP2B	Mx	-.024	2
61	MP2C	X	0	2
62	MP2C	Z	-51.806	2
63	MP2C	Mx	.024	2
64	MP3A	X	0	2
65	MP3A	Z	-73.252	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	-48.059	2
69	MP3B	Mx	-.021	2
70	MP3C	X	0	2
71	MP3C	Z	-43.591	2
72	MP3C	Mx	.02	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP3A	X	0	2.5
74	MP3A	Z	-92.054	2.5
75	MP3A	Mx	0	2.5
76	MP3A	X	0	3.5
77	MP3A	Z	-92.054	3.5
78	MP3A	Mx	0	3.5
79	MP3B	X	0	2.5
80	MP3B	Z	-50.043	2.5
81	MP3B	Mx	-.022	2.5
82	MP3B	X	0	3.5
83	MP3B	Z	-50.043	3.5
84	MP3B	Mx	-.022	3.5
85	MP3C	X	0	2.5
86	MP3C	Z	-42.592	2.5
87	MP3C	Mx	.02	2.5
88	MP3C	X	0	3.5
89	MP3C	Z	-42.592	3.5
90	MP3C	Mx	.02	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	73.144	1.8
2	MP1A	Z	-126.69	1.8
3	MP1A	Mx	-.121	1.8
4	MP1A	X	73.144	5.4
5	MP1A	Z	-126.69	5.4
6	MP1A	Mx	-.121	5.4
7	MP1B	X	52.846	1.8
8	MP1B	Z	-91.531	1.8
9	MP1B	Mx	.053	1.8
10	MP1B	X	52.846	5.4
11	MP1B	Z	-91.531	5.4
12	MP1B	Mx	.053	5.4
13	MP1C	X	68.728	1.8
14	MP1C	Z	-119.041	1.8
15	MP1C	Mx	-.114	1.8
16	MP1C	X	68.728	5.4
17	MP1C	Z	-119.041	5.4
18	MP1C	Mx	-.114	5.4
19	MP1A	X	73.144	1.8
20	MP1A	Z	-126.69	1.8
21	MP1A	Mx	.048	1.8
22	MP1A	X	73.144	5.4
23	MP1A	Z	-126.69	5.4
24	MP1A	Mx	.048	5.4
25	MP1B	X	52.846	1.8
26	MP1B	Z	-91.531	1.8
27	MP1B	Mx	.053	1.8
28	MP1B	X	52.846	5.4
29	MP1B	Z	-91.531	5.4
30	MP1B	Mx	.053	5.4
31	MP1C	X	68.728	1.8
32	MP1C	Z	-119.041	1.8
33	MP1C	Mx	.026	1.8
34	MP1C	X	68.728	5.4
35	MP1C	Z	-119.041	5.4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP1C	Mx	.026	5.4
37	MP4A	X	40.829	1.5
38	MP4A	Z	-70.719	1.5
39	MP4A	Mx	-.02	1.5
40	MP4A	X	40.829	4.5
41	MP4A	Z	-70.719	4.5
42	MP4A	Mx	-.02	4.5
43	MP4B	X	24.649	1.5
44	MP4B	Z	-42.694	1.5
45	MP4B	Mx	.025	1.5
46	MP4B	X	24.649	4.5
47	MP4B	Z	-42.694	4.5
48	MP4B	Mx	.025	4.5
49	MP4C	X	37.309	1.5
50	MP4C	Z	-64.621	1.5
51	MP4C	Mx	-.024	1.5
52	MP4C	X	37.309	4.5
53	MP4C	Z	-64.621	4.5
54	MP4C	Mx	-.024	4.5
55	MP2A	X	33.59	2
56	MP2A	Z	-58.18	2
57	MP2A	Mx	.017	2
58	MP2B	X	24.482	2
59	MP2B	Z	-42.405	2
60	MP2B	Mx	-.024	2
61	MP2C	X	31.608	2
62	MP2C	Z	-54.747	2
63	MP2C	Mx	.02	2
64	MP3A	X	32.427	2
65	MP3A	Z	-56.165	2
66	MP3A	Mx	.016	2
67	MP3B	X	19.831	2
68	MP3B	Z	-34.348	2
69	MP3B	Mx	-.02	2
70	MP3C	X	29.687	2
71	MP3C	Z	-51.419	2
72	MP3C	Mx	.019	2
73	MP3A	X	39.025	2.5
74	MP3A	Z	-67.594	2.5
75	MP3A	Mx	.02	2.5
76	MP3A	X	39.025	3.5
77	MP3A	Z	-67.594	3.5
78	MP3A	Mx	.02	3.5
79	MP3B	X	18.02	2.5
80	MP3B	Z	-31.211	2.5
81	MP3B	Mx	-.018	2.5
82	MP3B	X	18.02	3.5
83	MP3B	Z	-31.211	3.5
84	MP3B	Mx	-.018	3.5
85	MP3C	X	34.455	2.5
86	MP3C	Z	-59.678	2.5
87	MP3C	Mx	.022	2.5
88	MP3C	X	34.455	3.5
89	MP3C	Z	-59.678	3.5
90	MP3C	Mx	.022	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	103.251	1.8
2	MP1A	Z	-59.612	1.8
3	MP1A	Mx	-.091	1.8
4	MP1A	X	103.251	5.4
5	MP1A	Z	-59.612	5.4
6	MP1A	Mx	-.091	5.4
7	MP1B	X	103.251	1.8
8	MP1B	Z	-59.612	1.8
9	MP1B	Mx	.012	1.8
10	MP1B	X	103.251	5.4
11	MP1B	Z	-59.612	5.4
12	MP1B	Mx	.012	5.4
13	MP1C	X	136.996	1.8
14	MP1C	Z	-79.095	1.8
15	MP1C	Mx	-.118	1.8
16	MP1C	X	136.996	5.4
17	MP1C	Z	-79.095	5.4
18	MP1C	Mx	-.118	5.4
19	MP1A	X	103.251	1.8
20	MP1A	Z	-59.612	1.8
21	MP1A	Mx	-.012	1.8
22	MP1A	X	103.251	5.4
23	MP1A	Z	-59.612	5.4
24	MP1A	Mx	-.012	5.4
25	MP1B	X	103.251	1.8
26	MP1B	Z	-59.612	1.8
27	MP1B	Mx	.091	1.8
28	MP1B	X	103.251	5.4
29	MP1B	Z	-59.612	5.4
30	MP1B	Mx	.091	5.4
31	MP1C	X	136.996	1.8
32	MP1C	Z	-79.095	1.8
33	MP1C	Mx	.09	1.8
34	MP1C	X	136.996	5.4
35	MP1C	Z	-79.095	5.4
36	MP1C	Mx	.09	5.4
37	MP4A	X	52.035	1.5
38	MP4A	Z	-30.043	1.5
39	MP4A	Mx	-.026	1.5
40	MP4A	X	52.035	4.5
41	MP4A	Z	-30.043	4.5
42	MP4A	Mx	-.026	4.5
43	MP4B	X	52.035	1.5
44	MP4B	Z	-30.043	1.5
45	MP4B	Mx	.026	1.5
46	MP4B	X	52.035	4.5
47	MP4B	Z	-30.043	4.5
48	MP4B	Mx	.026	4.5
49	MP4C	X	78.934	1.5
50	MP4C	Z	-45.572	1.5
51	MP4C	Mx	-.008	1.5
52	MP4C	X	78.934	4.5
53	MP4C	Z	-45.572	4.5
54	MP4C	Mx	-.008	4.5
55	MP2A	X	47.663	2
56	MP2A	Z	-27.518	2
57	MP2A	Mx	.024	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	47.663	2
59	MP2B	Z	-27.518	2
60	MP2B	Mx	-.024	2
61	MP2C	X	62.803	2
62	MP2C	Z	-36.26	2
63	MP2C	Mx	.006	2
64	MP3A	X	41.62	2
65	MP3A	Z	-24.03	2
66	MP3A	Mx	.021	2
67	MP3B	X	41.62	2
68	MP3B	Z	-24.03	2
69	MP3B	Mx	-.021	2
70	MP3C	X	62.561	2
71	MP3C	Z	-36.119	2
72	MP3C	Mx	.006	2
73	MP3A	X	43.338	2.5
74	MP3A	Z	-25.021	2.5
75	MP3A	Mx	.022	2.5
76	MP3A	X	43.338	3.5
77	MP3A	Z	-25.021	3.5
78	MP3A	Mx	.022	3.5
79	MP3B	X	43.338	2.5
80	MP3B	Z	-25.021	2.5
81	MP3B	Mx	-.022	2.5
82	MP3B	X	43.338	3.5
83	MP3B	Z	-25.021	3.5
84	MP3B	Mx	-.022	3.5
85	MP3C	X	78.258	2.5
86	MP3C	Z	-45.183	2.5
87	MP3C	Mx	.008	2.5
88	MP3C	X	78.258	3.5
89	MP3C	Z	-45.183	3.5
90	MP3C	Mx	.008	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	105.691	1.8
2	MP1A	Z	0	1.8
3	MP1A	Mx	-.053	1.8
4	MP1A	X	105.691	5.4
5	MP1A	Z	0	5.4
6	MP1A	Mx	-.053	5.4
7	MP1B	X	146.289	1.8
8	MP1B	Z	0	1.8
9	MP1B	Mx	-.048	1.8
10	MP1B	X	146.289	5.4
11	MP1B	Z	0	5.4
12	MP1B	Mx	-.048	5.4
13	MP1C	X	153.49	1.8
14	MP1C	Z	0	1.8
15	MP1C	Mx	-.07	1.8
16	MP1C	X	153.49	5.4
17	MP1C	Z	0	5.4
18	MP1C	Mx	-.07	5.4
19	MP1A	X	105.691	1.8
20	MP1A	Z	0	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	-.053	1.8
22	MP1A	X	105.691	5.4
23	MP1A	Z	0	5.4
24	MP1A	Mx	-.053	5.4
25	MP1B	X	146.289	1.8
26	MP1B	Z	0	1.8
27	MP1B	Mx	.121	1.8
28	MP1B	X	146.289	5.4
29	MP1B	Z	0	5.4
30	MP1B	Mx	.121	5.4
31	MP1C	X	153.49	1.8
32	MP1C	Z	0	1.8
33	MP1C	Mx	.122	1.8
34	MP1C	X	153.49	5.4
35	MP1C	Z	0	5.4
36	MP1C	Mx	.122	5.4
37	MP4A	X	49.298	1.5
38	MP4A	Z	0	1.5
39	MP4A	Mx	-.025	1.5
40	MP4A	X	49.298	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	-.025	4.5
43	MP4B	X	81.659	1.5
44	MP4B	Z	0	1.5
45	MP4B	Mx	.02	1.5
46	MP4B	X	81.659	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	.02	4.5
49	MP4C	X	87.399	1.5
50	MP4C	Z	0	1.5
51	MP4C	Mx	.015	1.5
52	MP4C	X	87.399	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	.015	4.5
55	MP2A	X	48.965	2
56	MP2A	Z	0	2
57	MP2A	Mx	.024	2
58	MP2B	X	67.18	2
59	MP2B	Z	0	2
60	MP2B	Mx	-.017	2
61	MP2C	X	70.411	2
62	MP2C	Z	0	2
63	MP2C	Mx	-.012	2
64	MP3A	X	39.662	2
65	MP3A	Z	0	2
66	MP3A	Mx	.02	2
67	MP3B	X	64.854	2
68	MP3B	Z	0	2
69	MP3B	Mx	-.016	2
70	MP3C	X	69.322	2
71	MP3C	Z	0	2
72	MP3C	Mx	-.012	2
73	MP3A	X	36.039	2.5
74	MP3A	Z	0	2.5
75	MP3A	Mx	.018	2.5
76	MP3A	X	36.039	3.5
77	MP3A	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP3A	Mx	.018	3.5
79	MP3B	X	78.05	2.5
80	MP3B	Z	0	2.5
81	MP3B	Mx	-.02	2.5
82	MP3B	X	78.05	3.5
83	MP3B	Z	0	3.5
84	MP3B	Mx	-.02	3.5
85	MP3C	X	85.502	2.5
86	MP3C	Z	0	2.5
87	MP3C	Mx	-.015	2.5
88	MP3C	X	85.502	3.5
89	MP3C	Z	0	3.5
90	MP3C	Mx	-.015	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	103.251	1.8
2	MP1A	Z	59.612	1.8
3	MP1A	Mx	-.012	1.8
4	MP1A	X	103.251	5.4
5	MP1A	Z	59.612	5.4
6	MP1A	Mx	-.012	5.4
7	MP1B	X	138.41	1.8
8	MP1B	Z	79.911	1.8
9	MP1B	Mx	-.107	1.8
10	MP1B	X	138.41	5.4
11	MP1B	Z	79.911	5.4
12	MP1B	Mx	-.107	5.4
13	MP1C	X	110.9	1.8
14	MP1C	Z	64.028	1.8
15	MP1C	Mx	-.006	1.8
16	MP1C	X	110.9	5.4
17	MP1C	Z	64.028	5.4
18	MP1C	Mx	-.006	5.4
19	MP1A	X	103.251	1.8
20	MP1A	Z	59.612	1.8
21	MP1A	Mx	-.091	1.8
22	MP1A	X	103.251	5.4
23	MP1A	Z	59.612	5.4
24	MP1A	Mx	-.091	5.4
25	MP1B	X	138.41	1.8
26	MP1B	Z	79.911	1.8
27	MP1B	Mx	.107	1.8
28	MP1B	X	138.41	5.4
29	MP1B	Z	79.911	5.4
30	MP1B	Mx	.107	5.4
31	MP1C	X	110.9	1.8
32	MP1C	Z	64.028	1.8
33	MP1C	Mx	.104	1.8
34	MP1C	X	110.9	5.4
35	MP1C	Z	64.028	5.4
36	MP1C	Mx	.104	5.4
37	MP4A	X	52.035	1.5
38	MP4A	Z	30.043	1.5
39	MP4A	Mx	-.026	1.5
40	MP4A	X	52.035	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	30.043	4.5
42	MP4A	Mx	-.026	4.5
43	MP4B	X	80.06	1.5
44	MP4B	Z	46.223	1.5
45	MP4B	Mx	0	1.5
46	MP4B	X	80.06	4.5
47	MP4B	Z	46.223	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	58.133	1.5
50	MP4C	Z	33.563	1.5
51	MP4C	Mx	.026	1.5
52	MP4C	X	58.133	4.5
53	MP4C	Z	33.563	4.5
54	MP4C	Mx	.026	4.5
55	MP2A	X	47.663	2
56	MP2A	Z	27.518	2
57	MP2A	Mx	.024	2
58	MP2B	X	63.438	2
59	MP2B	Z	36.626	2
60	MP2B	Mx	0	2
61	MP2C	X	51.095	2
62	MP2C	Z	29.5	2
63	MP2C	Mx	-.023	2
64	MP3A	X	41.62	2
65	MP3A	Z	24.03	2
66	MP3A	Mx	.021	2
67	MP3B	X	63.438	2
68	MP3B	Z	36.626	2
69	MP3B	Mx	0	2
70	MP3C	X	46.367	2
71	MP3C	Z	26.77	2
72	MP3C	Mx	-.021	2
73	MP3A	X	43.338	2.5
74	MP3A	Z	25.021	2.5
75	MP3A	Mx	.022	2.5
76	MP3A	X	43.338	3.5
77	MP3A	Z	25.021	3.5
78	MP3A	Mx	.022	3.5
79	MP3B	X	79.721	2.5
80	MP3B	Z	46.027	2.5
81	MP3B	Mx	0	2.5
82	MP3B	X	79.721	3.5
83	MP3B	Z	46.027	3.5
84	MP3B	Mx	0	3.5
85	MP3C	X	51.254	2.5
86	MP3C	Z	29.592	2.5
87	MP3C	Mx	-.023	2.5
88	MP3C	X	51.254	3.5
89	MP3C	Z	29.592	3.5
90	MP3C	Mx	-.023	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	73.144	1.8
2	MP1A	Z	126.69	1.8
3	MP1A	Mx	.048	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	73.144	5.4
5	MP1A	Z	126.69	5.4
6	MP1A	Mx	.048	5.4
7	MP1B	X	73.144	1.8
8	MP1B	Z	126.69	1.8
9	MP1B	Mx	-.121	1.8
10	MP1B	X	73.144	5.4
11	MP1B	Z	126.69	5.4
12	MP1B	Mx	-.121	5.4
13	MP1C	X	53.662	1.8
14	MP1C	Z	92.945	1.8
15	MP1C	Mx	.04	1.8
16	MP1C	X	53.662	5.4
17	MP1C	Z	92.945	5.4
18	MP1C	Mx	.04	5.4
19	MP1A	X	73.144	1.8
20	MP1A	Z	126.69	1.8
21	MP1A	Mx	-.121	1.8
22	MP1A	X	73.144	5.4
23	MP1A	Z	126.69	5.4
24	MP1A	Mx	-.121	5.4
25	MP1B	X	73.144	1.8
26	MP1B	Z	126.69	1.8
27	MP1B	Mx	.048	1.8
28	MP1B	X	73.144	5.4
29	MP1B	Z	126.69	5.4
30	MP1B	Mx	.048	5.4
31	MP1C	X	53.662	1.8
32	MP1C	Z	92.945	1.8
33	MP1C	Mx	.065	1.8
34	MP1C	X	53.662	5.4
35	MP1C	Z	92.945	5.4
36	MP1C	Mx	.065	5.4
37	MP4A	X	40.829	1.5
38	MP4A	Z	70.719	1.5
39	MP4A	Mx	-.02	1.5
40	MP4A	X	40.829	4.5
41	MP4A	Z	70.719	4.5
42	MP4A	Mx	-.02	4.5
43	MP4B	X	40.829	1.5
44	MP4B	Z	70.719	1.5
45	MP4B	Mx	-.02	1.5
46	MP4B	X	40.829	4.5
47	MP4B	Z	70.719	4.5
48	MP4B	Mx	-.02	4.5
49	MP4C	X	25.3	1.5
50	MP4C	Z	43.82	1.5
51	MP4C	Mx	.025	1.5
52	MP4C	X	25.3	4.5
53	MP4C	Z	43.82	4.5
54	MP4C	Mx	.025	4.5
55	MP2A	X	33.59	2
56	MP2A	Z	58.18	2
57	MP2A	Mx	.017	2
58	MP2B	X	33.59	2
59	MP2B	Z	58.18	2
60	MP2B	Mx	.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2C	X	24.849	2
62	MP2C	Z	43.039	2
63	MP2C	Mx	-.024	2
64	MP3A	X	32.427	2
65	MP3A	Z	56.165	2
66	MP3A	Mx	.016	2
67	MP3B	X	32.427	2
68	MP3B	Z	56.165	2
69	MP3B	Mx	.016	2
70	MP3C	X	20.337	2
71	MP3C	Z	35.225	2
72	MP3C	Mx	-.02	2
73	MP3A	X	39.025	2.5
74	MP3A	Z	67.594	2.5
75	MP3A	Mx	.02	2.5
76	MP3A	X	39.025	3.5
77	MP3A	Z	67.594	3.5
78	MP3A	Mx	.02	3.5
79	MP3B	X	39.025	2.5
80	MP3B	Z	67.594	2.5
81	MP3B	Mx	.02	2.5
82	MP3B	X	39.025	3.5
83	MP3B	Z	67.594	3.5
84	MP3B	Mx	.02	3.5
85	MP3C	X	18.864	2.5
86	MP3C	Z	32.673	2.5
87	MP3C	Mx	-.019	2.5
88	MP3C	X	18.864	3.5
89	MP3C	Z	32.673	3.5
90	MP3C	Mx	-.019	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.8
2	MP1A	Z	159.822	1.8
3	MP1A	Mx	.107	1.8
4	MP1A	X	0	5.4
5	MP1A	Z	159.822	5.4
6	MP1A	Mx	.107	5.4
7	MP1B	X	0	1.8
8	MP1B	Z	119.224	1.8
9	MP1B	Mx	-.091	1.8
10	MP1B	X	0	5.4
11	MP1B	Z	119.224	5.4
12	MP1B	Mx	-.091	5.4
13	MP1C	X	0	1.8
14	MP1C	Z	112.023	1.8
15	MP1C	Mx	.078	1.8
16	MP1C	X	0	5.4
17	MP1C	Z	112.023	5.4
18	MP1C	Mx	.078	5.4
19	MP1A	X	0	1.8
20	MP1A	Z	159.822	1.8
21	MP1A	Mx	-.107	1.8
22	MP1A	X	0	5.4
23	MP1A	Z	159.822	5.4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP1A	Mx	-.107	5.4
25	MP1B	X	0	1.8
26	MP1B	Z	119.224	1.8
27	MP1B	Mx	-.012	1.8
28	MP1B	X	0	5.4
29	MP1B	Z	119.224	5.4
30	MP1B	Mx	-.012	5.4
31	MP1C	X	0	1.8
32	MP1C	Z	112.023	1.8
33	MP1C	Mx	.027	1.8
34	MP1C	X	0	5.4
35	MP1C	Z	112.023	5.4
36	MP1C	Mx	.027	5.4
37	MP4A	X	0	1.5
38	MP4A	Z	92.446	1.5
39	MP4A	Mx	0	1.5
40	MP4A	X	0	4.5
41	MP4A	Z	92.446	4.5
42	MP4A	Mx	0	4.5
43	MP4B	X	0	1.5
44	MP4B	Z	60.085	1.5
45	MP4B	Mx	-.026	1.5
46	MP4B	X	0	4.5
47	MP4B	Z	60.085	4.5
48	MP4B	Mx	-.026	4.5
49	MP4C	X	0	1.5
50	MP4C	Z	54.346	1.5
51	MP4C	Mx	.026	1.5
52	MP4C	X	0	4.5
53	MP4C	Z	54.346	4.5
54	MP4C	Mx	.026	4.5
55	MP2A	X	0	2
56	MP2A	Z	73.252	2
57	MP2A	Mx	0	2
58	MP2B	X	0	2
59	MP2B	Z	55.037	2
60	MP2B	Mx	.024	2
61	MP2C	X	0	2
62	MP2C	Z	51.806	2
63	MP2C	Mx	-.024	2
64	MP3A	X	0	2
65	MP3A	Z	73.252	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	48.059	2
69	MP3B	Mx	.021	2
70	MP3C	X	0	2
71	MP3C	Z	43.591	2
72	MP3C	Mx	-.02	2
73	MP3A	X	0	2.5
74	MP3A	Z	92.054	2.5
75	MP3A	Mx	0	2.5
76	MP3A	X	0	3.5
77	MP3A	Z	92.054	3.5
78	MP3A	Mx	0	3.5
79	MP3B	X	0	2.5
80	MP3B	Z	50.043	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP3B	Mx	.022	2.5
82	MP3B	X	0	3.5
83	MP3B	Z	50.043	3.5
84	MP3B	Mx	.022	3.5
85	MP3C	X	0	2.5
86	MP3C	Z	42.592	2.5
87	MP3C	Mx	-.02	2.5
88	MP3C	X	0	3.5
89	MP3C	Z	42.592	3.5
90	MP3C	Mx	-.02	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-73.144	1.8
2	MP1A	Z	126.69	1.8
3	MP1A	Mx	.121	1.8
4	MP1A	X	-73.144	5.4
5	MP1A	Z	126.69	5.4
6	MP1A	Mx	.121	5.4
7	MP1B	X	-52.846	1.8
8	MP1B	Z	91.531	1.8
9	MP1B	Mx	-.053	1.8
10	MP1B	X	-52.846	5.4
11	MP1B	Z	91.531	5.4
12	MP1B	Mx	-.053	5.4
13	MP1C	X	-68.728	1.8
14	MP1C	Z	119.041	1.8
15	MP1C	Mx	.114	1.8
16	MP1C	X	-68.728	5.4
17	MP1C	Z	119.041	5.4
18	MP1C	Mx	.114	5.4
19	MP1A	X	-73.144	1.8
20	MP1A	Z	126.69	1.8
21	MP1A	Mx	-.048	1.8
22	MP1A	X	-73.144	5.4
23	MP1A	Z	126.69	5.4
24	MP1A	Mx	-.048	5.4
25	MP1B	X	-52.846	1.8
26	MP1B	Z	91.531	1.8
27	MP1B	Mx	-.053	1.8
28	MP1B	X	-52.846	5.4
29	MP1B	Z	91.531	5.4
30	MP1B	Mx	-.053	5.4
31	MP1C	X	-68.728	1.8
32	MP1C	Z	119.041	1.8
33	MP1C	Mx	-.026	1.8
34	MP1C	X	-68.728	5.4
35	MP1C	Z	119.041	5.4
36	MP1C	Mx	-.026	5.4
37	MP4A	X	-40.829	1.5
38	MP4A	Z	70.719	1.5
39	MP4A	Mx	.02	1.5
40	MP4A	X	-40.829	4.5
41	MP4A	Z	70.719	4.5
42	MP4A	Mx	.02	4.5
43	MP4B	X	-24.649	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	42.694	1.5
45	MP4B	Mx	-.025	1.5
46	MP4B	X	-24.649	4.5
47	MP4B	Z	42.694	4.5
48	MP4B	Mx	-.025	4.5
49	MP4C	X	-37.309	1.5
50	MP4C	Z	64.621	1.5
51	MP4C	Mx	.024	1.5
52	MP4C	X	-37.309	4.5
53	MP4C	Z	64.621	4.5
54	MP4C	Mx	.024	4.5
55	MP2A	X	-33.59	2
56	MP2A	Z	58.18	2
57	MP2A	Mx	-.017	2
58	MP2B	X	-24.482	2
59	MP2B	Z	42.405	2
60	MP2B	Mx	.024	2
61	MP2C	X	-31.608	2
62	MP2C	Z	54.747	2
63	MP2C	Mx	-.02	2
64	MP3A	X	-32.427	2
65	MP3A	Z	56.165	2
66	MP3A	Mx	-.016	2
67	MP3B	X	-19.831	2
68	MP3B	Z	34.348	2
69	MP3B	Mx	.02	2
70	MP3C	X	-29.687	2
71	MP3C	Z	51.419	2
72	MP3C	Mx	-.019	2
73	MP3A	X	-39.025	2.5
74	MP3A	Z	67.594	2.5
75	MP3A	Mx	-.02	2.5
76	MP3A	X	-39.025	3.5
77	MP3A	Z	67.594	3.5
78	MP3A	Mx	-.02	3.5
79	MP3B	X	-18.02	2.5
80	MP3B	Z	31.211	2.5
81	MP3B	Mx	.018	2.5
82	MP3B	X	-18.02	3.5
83	MP3B	Z	31.211	3.5
84	MP3B	Mx	.018	3.5
85	MP3C	X	-34.455	2.5
86	MP3C	Z	59.678	2.5
87	MP3C	Mx	-.022	2.5
88	MP3C	X	-34.455	3.5
89	MP3C	Z	59.678	3.5
90	MP3C	Mx	-.022	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-103.251	1.8
2	MP1A	Z	59.612	1.8
3	MP1A	Mx	.091	1.8
4	MP1A	X	-103.251	5.4
5	MP1A	Z	59.612	5.4
6	MP1A	Mx	.091	5.4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP1B	X	-103.251	1.8
8	MP1B	Z	59.612	1.8
9	MP1B	Mx	-.012	1.8
10	MP1B	X	-103.251	5.4
11	MP1B	Z	59.612	5.4
12	MP1B	Mx	-.012	5.4
13	MP1C	X	-136.996	1.8
14	MP1C	Z	79.095	1.8
15	MP1C	Mx	.118	1.8
16	MP1C	X	-136.996	5.4
17	MP1C	Z	79.095	5.4
18	MP1C	Mx	.118	5.4
19	MP1A	X	-103.251	1.8
20	MP1A	Z	59.612	1.8
21	MP1A	Mx	.012	1.8
22	MP1A	X	-103.251	5.4
23	MP1A	Z	59.612	5.4
24	MP1A	Mx	.012	5.4
25	MP1B	X	-103.251	1.8
26	MP1B	Z	59.612	1.8
27	MP1B	Mx	-.091	1.8
28	MP1B	X	-103.251	5.4
29	MP1B	Z	59.612	5.4
30	MP1B	Mx	-.091	5.4
31	MP1C	X	-136.996	1.8
32	MP1C	Z	79.095	1.8
33	MP1C	Mx	-.09	1.8
34	MP1C	X	-136.996	5.4
35	MP1C	Z	79.095	5.4
36	MP1C	Mx	-.09	5.4
37	MP4A	X	-52.035	1.5
38	MP4A	Z	30.043	1.5
39	MP4A	Mx	.026	1.5
40	MP4A	X	-52.035	4.5
41	MP4A	Z	30.043	4.5
42	MP4A	Mx	.026	4.5
43	MP4B	X	-52.035	1.5
44	MP4B	Z	30.043	1.5
45	MP4B	Mx	-.026	1.5
46	MP4B	X	-52.035	4.5
47	MP4B	Z	30.043	4.5
48	MP4B	Mx	-.026	4.5
49	MP4C	X	-78.934	1.5
50	MP4C	Z	45.572	1.5
51	MP4C	Mx	.008	1.5
52	MP4C	X	-78.934	4.5
53	MP4C	Z	45.572	4.5
54	MP4C	Mx	.008	4.5
55	MP2A	X	-47.663	2
56	MP2A	Z	27.518	2
57	MP2A	Mx	-.024	2
58	MP2B	X	-47.663	2
59	MP2B	Z	27.518	2
60	MP2B	Mx	.024	2
61	MP2C	X	-62.803	2
62	MP2C	Z	36.26	2
63	MP2C	Mx	-.006	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3A	X	-41.62	2
65	MP3A	Z	24.03	2
66	MP3A	Mx	-.021	2
67	MP3B	X	-41.62	2
68	MP3B	Z	24.03	2
69	MP3B	Mx	.021	2
70	MP3C	X	-62.561	2
71	MP3C	Z	36.119	2
72	MP3C	Mx	-.006	2
73	MP3A	X	-43.338	2.5
74	MP3A	Z	25.021	2.5
75	MP3A	Mx	-.022	2.5
76	MP3A	X	-43.338	3.5
77	MP3A	Z	25.021	3.5
78	MP3A	Mx	-.022	3.5
79	MP3B	X	-43.338	2.5
80	MP3B	Z	25.021	2.5
81	MP3B	Mx	.022	2.5
82	MP3B	X	-43.338	3.5
83	MP3B	Z	25.021	3.5
84	MP3B	Mx	.022	3.5
85	MP3C	X	-78.258	2.5
86	MP3C	Z	45.183	2.5
87	MP3C	Mx	-.008	2.5
88	MP3C	X	-78.258	3.5
89	MP3C	Z	45.183	3.5
90	MP3C	Mx	-.008	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-105.691	1.8
2	MP1A	Z	0	1.8
3	MP1A	Mx	.053	1.8
4	MP1A	X	-105.691	5.4
5	MP1A	Z	0	5.4
6	MP1A	Mx	.053	5.4
7	MP1B	X	-146.289	1.8
8	MP1B	Z	0	1.8
9	MP1B	Mx	.048	1.8
10	MP1B	X	-146.289	5.4
11	MP1B	Z	0	5.4
12	MP1B	Mx	.048	5.4
13	MP1C	X	-153.49	1.8
14	MP1C	Z	0	1.8
15	MP1C	Mx	.07	1.8
16	MP1C	X	-153.49	5.4
17	MP1C	Z	0	5.4
18	MP1C	Mx	.07	5.4
19	MP1A	X	-105.691	1.8
20	MP1A	Z	0	1.8
21	MP1A	Mx	.053	1.8
22	MP1A	X	-105.691	5.4
23	MP1A	Z	0	5.4
24	MP1A	Mx	.053	5.4
25	MP1B	X	-146.289	1.8
26	MP1B	Z	0	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP1B	Mx	-.121	1.8
28	MP1B	X	-146.289	5.4
29	MP1B	Z	0	5.4
30	MP1B	Mx	-.121	5.4
31	MP1C	X	-153.49	1.8
32	MP1C	Z	0	1.8
33	MP1C	Mx	-.122	1.8
34	MP1C	X	-153.49	5.4
35	MP1C	Z	0	5.4
36	MP1C	Mx	-.122	5.4
37	MP4A	X	-49.298	1.5
38	MP4A	Z	0	1.5
39	MP4A	Mx	.025	1.5
40	MP4A	X	-49.298	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	.025	4.5
43	MP4B	X	-81.659	1.5
44	MP4B	Z	0	1.5
45	MP4B	Mx	-.02	1.5
46	MP4B	X	-81.659	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	-.02	4.5
49	MP4C	X	-87.399	1.5
50	MP4C	Z	0	1.5
51	MP4C	Mx	-.015	1.5
52	MP4C	X	-87.399	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	-.015	4.5
55	MP2A	X	-48.965	2
56	MP2A	Z	0	2
57	MP2A	Mx	-.024	2
58	MP2B	X	-67.18	2
59	MP2B	Z	0	2
60	MP2B	Mx	.017	2
61	MP2C	X	-70.411	2
62	MP2C	Z	0	2
63	MP2C	Mx	.012	2
64	MP3A	X	-39.662	2
65	MP3A	Z	0	2
66	MP3A	Mx	-.02	2
67	MP3B	X	-64.854	2
68	MP3B	Z	0	2
69	MP3B	Mx	.016	2
70	MP3C	X	-69.322	2
71	MP3C	Z	0	2
72	MP3C	Mx	.012	2
73	MP3A	X	-36.039	2.5
74	MP3A	Z	0	2.5
75	MP3A	Mx	-.018	2.5
76	MP3A	X	-36.039	3.5
77	MP3A	Z	0	3.5
78	MP3A	Mx	-.018	3.5
79	MP3B	X	-78.05	2.5
80	MP3B	Z	0	2.5
81	MP3B	Mx	.02	2.5
82	MP3B	X	-78.05	3.5
83	MP3B	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP3B	Mx	.02	3.5
85	MP3C	X	-85.502	2.5
86	MP3C	Z	0	2.5
87	MP3C	Mx	.015	2.5
88	MP3C	X	-85.502	3.5
89	MP3C	Z	0	3.5
90	MP3C	Mx	.015	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-103.251	1.8
2	MP1A	Z	-59.612	1.8
3	MP1A	Mx	.012	1.8
4	MP1A	X	-103.251	5.4
5	MP1A	Z	-59.612	5.4
6	MP1A	Mx	.012	5.4
7	MP1B	X	-138.41	1.8
8	MP1B	Z	-79.911	1.8
9	MP1B	Mx	.107	1.8
10	MP1B	X	-138.41	5.4
11	MP1B	Z	-79.911	5.4
12	MP1B	Mx	.107	5.4
13	MP1C	X	-110.9	1.8
14	MP1C	Z	-64.028	1.8
15	MP1C	Mx	.006	1.8
16	MP1C	X	-110.9	5.4
17	MP1C	Z	-64.028	5.4
18	MP1C	Mx	.006	5.4
19	MP1A	X	-103.251	1.8
20	MP1A	Z	-59.612	1.8
21	MP1A	Mx	.091	1.8
22	MP1A	X	-103.251	5.4
23	MP1A	Z	-59.612	5.4
24	MP1A	Mx	.091	5.4
25	MP1B	X	-138.41	1.8
26	MP1B	Z	-79.911	1.8
27	MP1B	Mx	-.107	1.8
28	MP1B	X	-138.41	5.4
29	MP1B	Z	-79.911	5.4
30	MP1B	Mx	-.107	5.4
31	MP1C	X	-110.9	1.8
32	MP1C	Z	-64.028	1.8
33	MP1C	Mx	-.104	1.8
34	MP1C	X	-110.9	5.4
35	MP1C	Z	-64.028	5.4
36	MP1C	Mx	-.104	5.4
37	MP4A	X	-52.035	1.5
38	MP4A	Z	-30.043	1.5
39	MP4A	Mx	.026	1.5
40	MP4A	X	-52.035	4.5
41	MP4A	Z	-30.043	4.5
42	MP4A	Mx	.026	4.5
43	MP4B	X	-80.06	1.5
44	MP4B	Z	-46.223	1.5
45	MP4B	Mx	0	1.5
46	MP4B	X	-80.06	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP4B	Z	-46.223	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	-58.133	1.5
50	MP4C	Z	-33.563	1.5
51	MP4C	Mx	-.026	1.5
52	MP4C	X	-58.133	4.5
53	MP4C	Z	-33.563	4.5
54	MP4C	Mx	-.026	4.5
55	MP2A	X	-47.663	2
56	MP2A	Z	-27.518	2
57	MP2A	Mx	-.024	2
58	MP2B	X	-63.438	2
59	MP2B	Z	-36.626	2
60	MP2B	Mx	0	2
61	MP2C	X	-51.095	2
62	MP2C	Z	-29.5	2
63	MP2C	Mx	.023	2
64	MP3A	X	-41.62	2
65	MP3A	Z	-24.03	2
66	MP3A	Mx	-.021	2
67	MP3B	X	-63.438	2
68	MP3B	Z	-36.626	2
69	MP3B	Mx	0	2
70	MP3C	X	-46.367	2
71	MP3C	Z	-26.77	2
72	MP3C	Mx	.021	2
73	MP3A	X	-43.338	2.5
74	MP3A	Z	-25.021	2.5
75	MP3A	Mx	-.022	2.5
76	MP3A	X	-43.338	3.5
77	MP3A	Z	-25.021	3.5
78	MP3A	Mx	-.022	3.5
79	MP3B	X	-79.721	2.5
80	MP3B	Z	-46.027	2.5
81	MP3B	Mx	0	2.5
82	MP3B	X	-79.721	3.5
83	MP3B	Z	-46.027	3.5
84	MP3B	Mx	0	3.5
85	MP3C	X	-51.254	2.5
86	MP3C	Z	-29.592	2.5
87	MP3C	Mx	.023	2.5
88	MP3C	X	-51.254	3.5
89	MP3C	Z	-29.592	3.5
90	MP3C	Mx	.023	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-73.144	1.8
2	MP1A	Z	-126.69	1.8
3	MP1A	Mx	-.048	1.8
4	MP1A	X	-73.144	5.4
5	MP1A	Z	-126.69	5.4
6	MP1A	Mx	-.048	5.4
7	MP1B	X	-73.144	1.8
8	MP1B	Z	-126.69	1.8
9	MP1B	Mx	.121	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP1B	X	-73.144	5.4
11	MP1B	Z	-126.69	5.4
12	MP1B	Mx	.121	5.4
13	MP1C	X	-53.662	1.8
14	MP1C	Z	-92.945	1.8
15	MP1C	Mx	-.04	1.8
16	MP1C	X	-53.662	5.4
17	MP1C	Z	-92.945	5.4
18	MP1C	Mx	-.04	5.4
19	MP1A	X	-73.144	1.8
20	MP1A	Z	-126.69	1.8
21	MP1A	Mx	.121	1.8
22	MP1A	X	-73.144	5.4
23	MP1A	Z	-126.69	5.4
24	MP1A	Mx	.121	5.4
25	MP1B	X	-73.144	1.8
26	MP1B	Z	-126.69	1.8
27	MP1B	Mx	-.048	1.8
28	MP1B	X	-73.144	5.4
29	MP1B	Z	-126.69	5.4
30	MP1B	Mx	-.048	5.4
31	MP1C	X	-53.662	1.8
32	MP1C	Z	-92.945	1.8
33	MP1C	Mx	-.065	1.8
34	MP1C	X	-53.662	5.4
35	MP1C	Z	-92.945	5.4
36	MP1C	Mx	-.065	5.4
37	MP4A	X	-40.829	1.5
38	MP4A	Z	-70.719	1.5
39	MP4A	Mx	.02	1.5
40	MP4A	X	-40.829	4.5
41	MP4A	Z	-70.719	4.5
42	MP4A	Mx	.02	4.5
43	MP4B	X	-40.829	1.5
44	MP4B	Z	-70.719	1.5
45	MP4B	Mx	.02	1.5
46	MP4B	X	-40.829	4.5
47	MP4B	Z	-70.719	4.5
48	MP4B	Mx	.02	4.5
49	MP4C	X	-25.3	1.5
50	MP4C	Z	-43.82	1.5
51	MP4C	Mx	-.025	1.5
52	MP4C	X	-25.3	4.5
53	MP4C	Z	-43.82	4.5
54	MP4C	Mx	-.025	4.5
55	MP2A	X	-33.59	2
56	MP2A	Z	-58.18	2
57	MP2A	Mx	-.017	2
58	MP2B	X	-33.59	2
59	MP2B	Z	-58.18	2
60	MP2B	Mx	-.017	2
61	MP2C	X	-24.849	2
62	MP2C	Z	-43.039	2
63	MP2C	Mx	.024	2
64	MP3A	X	-32.427	2
65	MP3A	Z	-56.165	2
66	MP3A	Mx	-.016	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP3B	X	-32.427	2
68	MP3B	Z	-56.165	2
69	MP3B	Mx	-.016	2
70	MP3C	X	-20.337	2
71	MP3C	Z	-35.225	2
72	MP3C	Mx	.02	2
73	MP3A	X	-39.025	2.5
74	MP3A	Z	-67.594	2.5
75	MP3A	Mx	-.02	2.5
76	MP3A	X	-39.025	3.5
77	MP3A	Z	-67.594	3.5
78	MP3A	Mx	-.02	3.5
79	MP3B	X	-39.025	2.5
80	MP3B	Z	-67.594	2.5
81	MP3B	Mx	-.02	2.5
82	MP3B	X	-39.025	3.5
83	MP3B	Z	-67.594	3.5
84	MP3B	Mx	-.02	3.5
85	MP3C	X	-18.864	2.5
86	MP3C	Z	-32.673	2.5
87	MP3C	Mx	.019	2.5
88	MP3C	X	-18.864	3.5
89	MP3C	Z	-32.673	3.5
90	MP3C	Mx	.019	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.8
2	MP1A	Z	-33.116	1.8
3	MP1A	Mx	-.022	1.8
4	MP1A	X	0	5.4
5	MP1A	Z	-33.116	5.4
6	MP1A	Mx	-.022	5.4
7	MP1B	X	0	1.8
8	MP1B	Z	-25.72	1.8
9	MP1B	Mx	.02	1.8
10	MP1B	X	0	5.4
11	MP1B	Z	-25.72	5.4
12	MP1B	Mx	.02	5.4
13	MP1C	X	0	1.8
14	MP1C	Z	-24.409	1.8
15	MP1C	Mx	-.017	1.8
16	MP1C	X	0	5.4
17	MP1C	Z	-24.409	5.4
18	MP1C	Mx	-.017	5.4
19	MP1A	X	0	1.8
20	MP1A	Z	-33.116	1.8
21	MP1A	Mx	.022	1.8
22	MP1A	X	0	5.4
23	MP1A	Z	-33.116	5.4
24	MP1A	Mx	.022	5.4
25	MP1B	X	0	1.8
26	MP1B	Z	-25.72	1.8
27	MP1B	Mx	.003	1.8
28	MP1B	X	0	5.4
29	MP1B	Z	-25.72	5.4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP1B	Mx	.003	5.4
31	MP1C	X	0	1.8
32	MP1C	Z	-24.409	1.8
33	MP1C	Mx	-.006	1.8
34	MP1C	X	0	5.4
35	MP1C	Z	-24.409	5.4
36	MP1C	Mx	-.006	5.4
37	MP4A	X	0	1.5
38	MP4A	Z	-19.819	1.5
39	MP4A	Mx	0	1.5
40	MP4A	X	0	4.5
41	MP4A	Z	-19.819	4.5
42	MP4A	Mx	0	4.5
43	MP4B	X	0	1.5
44	MP4B	Z	-13.749	1.5
45	MP4B	Mx	.006	1.5
46	MP4B	X	0	4.5
47	MP4B	Z	-13.749	4.5
48	MP4B	Mx	.006	4.5
49	MP4C	X	0	1.5
50	MP4C	Z	-12.672	1.5
51	MP4C	Mx	-.006	1.5
52	MP4C	X	0	4.5
53	MP4C	Z	-12.672	4.5
54	MP4C	Mx	-.006	4.5
55	MP2A	X	0	2
56	MP2A	Z	-17.047	2
57	MP2A	Mx	0	2
58	MP2B	X	0	2
59	MP2B	Z	-13.317	2
60	MP2B	Mx	-.006	2
61	MP2C	X	0	2
62	MP2C	Z	-12.655	2
63	MP2C	Mx	.006	2
64	MP3A	X	0	2
65	MP3A	Z	-17.047	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	-11.899	2
69	MP3B	Mx	-.005	2
70	MP3C	X	0	2
71	MP3C	Z	-10.986	2
72	MP3C	Mx	.005	2
73	MP3A	X	0	2.5
74	MP3A	Z	-19.716	2.5
75	MP3A	Mx	0	2.5
76	MP3A	X	0	3.5
77	MP3A	Z	-19.716	3.5
78	MP3A	Mx	0	3.5
79	MP3B	X	0	2.5
80	MP3B	Z	-11.478	2.5
81	MP3B	Mx	-.005	2.5
82	MP3B	X	0	3.5
83	MP3B	Z	-11.478	3.5
84	MP3B	Mx	-.005	3.5
85	MP3C	X	0	2.5
86	MP3C	Z	-10.017	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP3C	Mx	.005	2.5
88	MP3C	X	0	3.5
89	MP3C	Z	-10.017	3.5
90	MP3C	Mx	.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	15.325	1.8
2	MP1A	Z	-26.544	1.8
3	MP1A	Mx	-.025	1.8
4	MP1A	X	15.325	5.4
5	MP1A	Z	-26.544	5.4
6	MP1A	Mx	-.025	5.4
7	MP1B	X	11.628	1.8
8	MP1B	Z	-20.14	1.8
9	MP1B	Mx	.012	1.8
10	MP1B	X	11.628	5.4
11	MP1B	Z	-20.14	5.4
12	MP1B	Mx	.012	5.4
13	MP1C	X	14.521	1.8
14	MP1C	Z	-25.151	1.8
15	MP1C	Mx	-.024	1.8
16	MP1C	X	14.521	5.4
17	MP1C	Z	-25.151	5.4
18	MP1C	Mx	-.024	5.4
19	MP1A	X	15.325	1.8
20	MP1A	Z	-26.544	1.8
21	MP1A	Mx	.01	1.8
22	MP1A	X	15.325	5.4
23	MP1A	Z	-26.544	5.4
24	MP1A	Mx	.01	5.4
25	MP1B	X	11.628	1.8
26	MP1B	Z	-20.14	1.8
27	MP1B	Mx	.012	1.8
28	MP1B	X	11.628	5.4
29	MP1B	Z	-20.14	5.4
30	MP1B	Mx	.012	5.4
31	MP1C	X	14.521	1.8
32	MP1C	Z	-25.151	1.8
33	MP1C	Mx	.005	1.8
34	MP1C	X	14.521	5.4
35	MP1C	Z	-25.151	5.4
36	MP1C	Mx	.005	5.4
37	MP4A	X	8.898	1.5
38	MP4A	Z	-15.411	1.5
39	MP4A	Mx	-.004	1.5
40	MP4A	X	8.898	4.5
41	MP4A	Z	-15.411	4.5
42	MP4A	Mx	-.004	4.5
43	MP4B	X	5.863	1.5
44	MP4B	Z	-10.154	1.5
45	MP4B	Mx	.006	1.5
46	MP4B	X	5.863	4.5
47	MP4B	Z	-10.154	4.5
48	MP4B	Mx	.006	4.5
49	MP4C	X	8.237	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP4C	Z	-14.268	1.5
51	MP4C	Mx	-.005	1.5
52	MP4C	X	8.237	4.5
53	MP4C	Z	-14.268	4.5
54	MP4C	Mx	-.005	4.5
55	MP2A	X	7.902	2
56	MP2A	Z	-13.687	2
57	MP2A	Mx	.004	2
58	MP2B	X	6.037	2
59	MP2B	Z	-10.456	2
60	MP2B	Mx	-.006	2
61	MP2C	X	7.496	2
62	MP2C	Z	-12.984	2
63	MP2C	Mx	.005	2
64	MP3A	X	7.666	2
65	MP3A	Z	-13.277	2
66	MP3A	Mx	.004	2
67	MP3B	X	5.092	2
68	MP3B	Z	-8.819	2
69	MP3B	Mx	-.005	2
70	MP3C	X	7.106	2
71	MP3C	Z	-12.307	2
72	MP3C	Mx	.005	2
73	MP3A	X	8.485	2.5
74	MP3A	Z	-14.697	2.5
75	MP3A	Mx	.004	2.5
76	MP3A	X	8.485	3.5
77	MP3A	Z	-14.697	3.5
78	MP3A	Mx	.004	3.5
79	MP3B	X	4.366	2.5
80	MP3B	Z	-7.562	2.5
81	MP3B	Mx	-.004	2.5
82	MP3B	X	4.366	3.5
83	MP3B	Z	-7.562	3.5
84	MP3B	Mx	-.004	3.5
85	MP3C	X	7.589	2.5
86	MP3C	Z	-13.145	2.5
87	MP3C	Mx	.005	2.5
88	MP3C	X	7.589	3.5
89	MP3C	Z	-13.145	3.5
90	MP3C	Mx	.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	22.274	1.8
2	MP1A	Z	-12.86	1.8
3	MP1A	Mx	-.02	1.8
4	MP1A	X	22.274	5.4
5	MP1A	Z	-12.86	5.4
6	MP1A	Mx	-.02	5.4
7	MP1B	X	22.274	1.8
8	MP1B	Z	-12.86	1.8
9	MP1B	Mx	.003	1.8
10	MP1B	X	22.274	5.4
11	MP1B	Z	-12.86	5.4
12	MP1B	Mx	.003	5.4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1C	X	28.421	1.8
14	MP1C	Z	-16.409	1.8
15	MP1C	Mx	-.024	1.8
16	MP1C	X	28.421	5.4
17	MP1C	Z	-16.409	5.4
18	MP1C	Mx	-.024	5.4
19	MP1A	X	22.274	1.8
20	MP1A	Z	-12.86	1.8
21	MP1A	Mx	-.003	1.8
22	MP1A	X	22.274	5.4
23	MP1A	Z	-12.86	5.4
24	MP1A	Mx	-.003	5.4
25	MP1B	X	22.274	1.8
26	MP1B	Z	-12.86	1.8
27	MP1B	Mx	.02	1.8
28	MP1B	X	22.274	5.4
29	MP1B	Z	-12.86	5.4
30	MP1B	Mx	.02	5.4
31	MP1C	X	28.421	1.8
32	MP1C	Z	-16.409	1.8
33	MP1C	Mx	.019	1.8
34	MP1C	X	28.421	5.4
35	MP1C	Z	-16.409	5.4
36	MP1C	Mx	.019	5.4
37	MP4A	X	11.907	1.5
38	MP4A	Z	-6.874	1.5
39	MP4A	Mx	-.006	1.5
40	MP4A	X	11.907	4.5
41	MP4A	Z	-6.874	4.5
42	MP4A	Mx	-.006	4.5
43	MP4B	X	11.907	1.5
44	MP4B	Z	-6.874	1.5
45	MP4B	Mx	.006	1.5
46	MP4B	X	11.907	4.5
47	MP4B	Z	-6.874	4.5
48	MP4B	Mx	.006	4.5
49	MP4C	X	16.952	1.5
50	MP4C	Z	-9.787	1.5
51	MP4C	Mx	-.002	1.5
52	MP4C	X	16.952	4.5
53	MP4C	Z	-9.787	4.5
54	MP4C	Mx	-.002	4.5
55	MP2A	X	11.533	2
56	MP2A	Z	-6.658	2
57	MP2A	Mx	.006	2
58	MP2B	X	11.533	2
59	MP2B	Z	-6.658	2
60	MP2B	Mx	-.006	2
61	MP2C	X	14.634	2
62	MP2C	Z	-8.449	2
63	MP2C	Mx	.001	2
64	MP3A	X	10.305	2
65	MP3A	Z	-5.95	2
66	MP3A	Mx	.005	2
67	MP3B	X	10.305	2
68	MP3B	Z	-5.95	2
69	MP3B	Mx	-.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP3C	X	14.584	2
71	MP3C	Z	-8.42	2
72	MP3C	Mx	.001	2
73	MP3A	X	9.94	2.5
74	MP3A	Z	-5.739	2.5
75	MP3A	Mx	.005	2.5
76	MP3A	X	9.94	3.5
77	MP3A	Z	-5.739	3.5
78	MP3A	Mx	.005	3.5
79	MP3B	X	9.94	2.5
80	MP3B	Z	-5.739	2.5
81	MP3B	Mx	-.005	2.5
82	MP3B	X	9.94	3.5
83	MP3B	Z	-5.739	3.5
84	MP3B	Mx	-.005	3.5
85	MP3C	X	16.788	2.5
86	MP3C	Z	-9.693	2.5
87	MP3C	Mx	.002	2.5
88	MP3C	X	16.788	3.5
89	MP3C	Z	-9.693	3.5
90	MP3C	Mx	.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	23.255	1.8
2	MP1A	Z	0	1.8
3	MP1A	Mx	-.012	1.8
4	MP1A	X	23.255	5.4
5	MP1A	Z	0	5.4
6	MP1A	Mx	-.012	5.4
7	MP1B	X	30.65	1.8
8	MP1B	Z	0	1.8
9	MP1B	Mx	-.01	1.8
10	MP1B	X	30.65	5.4
11	MP1B	Z	0	5.4
12	MP1B	Mx	-.01	5.4
13	MP1C	X	31.962	1.8
14	MP1C	Z	0	1.8
15	MP1C	Mx	-.015	1.8
16	MP1C	X	31.962	5.4
17	MP1C	Z	0	5.4
18	MP1C	Mx	-.015	5.4
19	MP1A	X	23.255	1.8
20	MP1A	Z	0	1.8
21	MP1A	Mx	-.012	1.8
22	MP1A	X	23.255	5.4
23	MP1A	Z	0	5.4
24	MP1A	Mx	-.012	5.4
25	MP1B	X	30.65	1.8
26	MP1B	Z	0	1.8
27	MP1B	Mx	.025	1.8
28	MP1B	X	30.65	5.4
29	MP1B	Z	0	5.4
30	MP1B	Mx	.025	5.4
31	MP1C	X	31.962	1.8
32	MP1C	Z	0	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP1C	Mx	.025	1.8
34	MP1C	X	31.962	5.4
35	MP1C	Z	0	5.4
36	MP1C	Mx	.025	5.4
37	MP4A	X	11.725	1.5
38	MP4A	Z	0	1.5
39	MP4A	Mx	-.006	1.5
40	MP4A	X	11.725	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	-.006	4.5
43	MP4B	X	17.796	1.5
44	MP4B	Z	0	1.5
45	MP4B	Mx	.004	1.5
46	MP4B	X	17.796	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	.004	4.5
49	MP4C	X	18.872	1.5
50	MP4C	Z	0	1.5
51	MP4C	Mx	.003	1.5
52	MP4C	X	18.872	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	.003	4.5
55	MP2A	X	12.074	2
56	MP2A	Z	0	2
57	MP2A	Mx	.006	2
58	MP2B	X	15.804	2
59	MP2B	Z	0	2
60	MP2B	Mx	-.004	2
61	MP2C	X	16.466	2
62	MP2C	Z	0	2
63	MP2C	Mx	-.003	2
64	MP3A	X	10.183	2
65	MP3A	Z	0	2
66	MP3A	Mx	.005	2
67	MP3B	X	15.331	2
68	MP3B	Z	0	2
69	MP3B	Mx	-.004	2
70	MP3C	X	16.245	2
71	MP3C	Z	0	2
72	MP3C	Mx	-.003	2
73	MP3A	X	8.732	2.5
74	MP3A	Z	0	2.5
75	MP3A	Mx	.004	2.5
76	MP3A	X	8.732	3.5
77	MP3A	Z	0	3.5
78	MP3A	Mx	.004	3.5
79	MP3B	X	16.97	2.5
80	MP3B	Z	0	2.5
81	MP3B	Mx	-.004	2.5
82	MP3B	X	16.97	3.5
83	MP3B	Z	0	3.5
84	MP3B	Mx	-.004	3.5
85	MP3C	X	18.431	2.5
86	MP3C	Z	0	2.5
87	MP3C	Mx	-.003	2.5
88	MP3C	X	18.431	3.5
89	MP3C	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP3C	Mx	-.003	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	22.274	1.8
2	MP1A	Z	12.86	1.8
3	MP1A	Mx	-.003	1.8
4	MP1A	X	22.274	5.4
5	MP1A	Z	12.86	5.4
6	MP1A	Mx	-.003	5.4
7	MP1B	X	28.679	1.8
8	MP1B	Z	16.558	1.8
9	MP1B	Mx	-.022	1.8
10	MP1B	X	28.679	5.4
11	MP1B	Z	16.558	5.4
12	MP1B	Mx	-.022	5.4
13	MP1C	X	23.668	1.8
14	MP1C	Z	13.665	1.8
15	MP1C	Mx	-.001	1.8
16	MP1C	X	23.668	5.4
17	MP1C	Z	13.665	5.4
18	MP1C	Mx	-.001	5.4
19	MP1A	X	22.274	1.8
20	MP1A	Z	12.86	1.8
21	MP1A	Mx	-.02	1.8
22	MP1A	X	22.274	5.4
23	MP1A	Z	12.86	5.4
24	MP1A	Mx	-.02	5.4
25	MP1B	X	28.679	1.8
26	MP1B	Z	16.558	1.8
27	MP1B	Mx	.022	1.8
28	MP1B	X	28.679	5.4
29	MP1B	Z	16.558	5.4
30	MP1B	Mx	.022	5.4
31	MP1C	X	23.668	1.8
32	MP1C	Z	13.665	1.8
33	MP1C	Mx	.022	1.8
34	MP1C	X	23.668	5.4
35	MP1C	Z	13.665	5.4
36	MP1C	Mx	.022	5.4
37	MP4A	X	11.907	1.5
38	MP4A	Z	6.874	1.5
39	MP4A	Mx	-.006	1.5
40	MP4A	X	11.907	4.5
41	MP4A	Z	6.874	4.5
42	MP4A	Mx	-.006	4.5
43	MP4B	X	17.164	1.5
44	MP4B	Z	9.909	1.5
45	MP4B	Mx	0	1.5
46	MP4B	X	17.164	4.5
47	MP4B	Z	9.909	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	13.05	1.5
50	MP4C	Z	7.535	1.5
51	MP4C	Mx	.006	1.5
52	MP4C	X	13.05	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	7.535	4.5
54	MP4C	Mx	.006	4.5
55	MP2A	X	11.533	2
56	MP2A	Z	6.658	2
57	MP2A	Mx	.006	2
58	MP2B	X	14.764	2
59	MP2B	Z	8.524	2
60	MP2B	Mx	0	2
61	MP2C	X	12.236	2
62	MP2C	Z	7.064	2
63	MP2C	Mx	-.005	2
64	MP3A	X	10.305	2
65	MP3A	Z	5.95	2
66	MP3A	Mx	.005	2
67	MP3B	X	14.764	2
68	MP3B	Z	8.524	2
69	MP3B	Mx	0	2
70	MP3C	X	11.275	2
71	MP3C	Z	6.51	2
72	MP3C	Mx	-.005	2
73	MP3A	X	9.94	2.5
74	MP3A	Z	5.739	2.5
75	MP3A	Mx	.005	2.5
76	MP3A	X	9.94	3.5
77	MP3A	Z	5.739	3.5
78	MP3A	Mx	.005	3.5
79	MP3B	X	17.075	2.5
80	MP3B	Z	9.858	2.5
81	MP3B	Mx	0	2.5
82	MP3B	X	17.075	3.5
83	MP3B	Z	9.858	3.5
84	MP3B	Mx	0	3.5
85	MP3C	X	11.493	2.5
86	MP3C	Z	6.635	2.5
87	MP3C	Mx	-.005	2.5
88	MP3C	X	11.493	3.5
89	MP3C	Z	6.635	3.5
90	MP3C	Mx	-.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	15.325	1.8
2	MP1A	Z	26.544	1.8
3	MP1A	Mx	.01	1.8
4	MP1A	X	15.325	5.4
5	MP1A	Z	26.544	5.4
6	MP1A	Mx	.01	5.4
7	MP1B	X	15.325	1.8
8	MP1B	Z	26.544	1.8
9	MP1B	Mx	-.025	1.8
10	MP1B	X	15.325	5.4
11	MP1B	Z	26.544	5.4
12	MP1B	Mx	-.025	5.4
13	MP1C	X	11.776	1.8
14	MP1C	Z	20.397	1.8
15	MP1C	Mx	.009	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP1C	X	11.776	5.4
17	MP1C	Z	20.397	5.4
18	MP1C	Mx	.009	5.4
19	MP1A	X	15.325	1.8
20	MP1A	Z	26.544	1.8
21	MP1A	Mx	-.025	1.8
22	MP1A	X	15.325	5.4
23	MP1A	Z	26.544	5.4
24	MP1A	Mx	-.025	5.4
25	MP1B	X	15.325	1.8
26	MP1B	Z	26.544	1.8
27	MP1B	Mx	.01	1.8
28	MP1B	X	15.325	5.4
29	MP1B	Z	26.544	5.4
30	MP1B	Mx	.01	5.4
31	MP1C	X	11.776	1.8
32	MP1C	Z	20.397	1.8
33	MP1C	Mx	.014	1.8
34	MP1C	X	11.776	5.4
35	MP1C	Z	20.397	5.4
36	MP1C	Mx	.014	5.4
37	MP4A	X	8.898	1.5
38	MP4A	Z	15.411	1.5
39	MP4A	Mx	-.004	1.5
40	MP4A	X	8.898	4.5
41	MP4A	Z	15.411	4.5
42	MP4A	Mx	-.004	4.5
43	MP4B	X	8.898	1.5
44	MP4B	Z	15.411	1.5
45	MP4B	Mx	-.004	1.5
46	MP4B	X	8.898	4.5
47	MP4B	Z	15.411	4.5
48	MP4B	Mx	-.004	4.5
49	MP4C	X	5.985	1.5
50	MP4C	Z	10.366	1.5
51	MP4C	Mx	.006	1.5
52	MP4C	X	5.985	4.5
53	MP4C	Z	10.366	4.5
54	MP4C	Mx	.006	4.5
55	MP2A	X	7.902	2
56	MP2A	Z	13.687	2
57	MP2A	Mx	.004	2
58	MP2B	X	7.902	2
59	MP2B	Z	13.687	2
60	MP2B	Mx	.004	2
61	MP2C	X	6.112	2
62	MP2C	Z	10.586	2
63	MP2C	Mx	-.006	2
64	MP3A	X	7.666	2
65	MP3A	Z	13.277	2
66	MP3A	Mx	.004	2
67	MP3B	X	7.666	2
68	MP3B	Z	13.277	2
69	MP3B	Mx	.004	2
70	MP3C	X	5.195	2
71	MP3C	Z	8.998	2
72	MP3C	Mx	-.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP3A	X	8.485	2.5
74	MP3A	Z	14.697	2.5
75	MP3A	Mx	.004	2.5
76	MP3A	X	8.485	3.5
77	MP3A	Z	14.697	3.5
78	MP3A	Mx	.004	3.5
79	MP3B	X	8.485	2.5
80	MP3B	Z	14.697	2.5
81	MP3B	Mx	.004	2.5
82	MP3B	X	8.485	3.5
83	MP3B	Z	14.697	3.5
84	MP3B	Mx	.004	3.5
85	MP3C	X	4.532	2.5
86	MP3C	Z	7.849	2.5
87	MP3C	Mx	-.004	2.5
88	MP3C	X	4.532	3.5
89	MP3C	Z	7.849	3.5
90	MP3C	Mx	-.004	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.8
2	MP1A	Z	33.116	1.8
3	MP1A	Mx	.022	1.8
4	MP1A	X	0	5.4
5	MP1A	Z	33.116	5.4
6	MP1A	Mx	.022	5.4
7	MP1B	X	0	1.8
8	MP1B	Z	25.72	1.8
9	MP1B	Mx	-.02	1.8
10	MP1B	X	0	5.4
11	MP1B	Z	25.72	5.4
12	MP1B	Mx	-.02	5.4
13	MP1C	X	0	1.8
14	MP1C	Z	24.409	1.8
15	MP1C	Mx	.017	1.8
16	MP1C	X	0	5.4
17	MP1C	Z	24.409	5.4
18	MP1C	Mx	.017	5.4
19	MP1A	X	0	1.8
20	MP1A	Z	33.116	1.8
21	MP1A	Mx	-.022	1.8
22	MP1A	X	0	5.4
23	MP1A	Z	33.116	5.4
24	MP1A	Mx	-.022	5.4
25	MP1B	X	0	1.8
26	MP1B	Z	25.72	1.8
27	MP1B	Mx	-.003	1.8
28	MP1B	X	0	5.4
29	MP1B	Z	25.72	5.4
30	MP1B	Mx	-.003	5.4
31	MP1C	X	0	1.8
32	MP1C	Z	24.409	1.8
33	MP1C	Mx	.006	1.8
34	MP1C	X	0	5.4
35	MP1C	Z	24.409	5.4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP1C	Mx	.006	5.4
37	MP4A	X	0	1.5
38	MP4A	Z	19.819	1.5
39	MP4A	Mx	0	1.5
40	MP4A	X	0	4.5
41	MP4A	Z	19.819	4.5
42	MP4A	Mx	0	4.5
43	MP4B	X	0	1.5
44	MP4B	Z	13.749	1.5
45	MP4B	Mx	-.006	1.5
46	MP4B	X	0	4.5
47	MP4B	Z	13.749	4.5
48	MP4B	Mx	-.006	4.5
49	MP4C	X	0	1.5
50	MP4C	Z	12.672	1.5
51	MP4C	Mx	.006	1.5
52	MP4C	X	0	4.5
53	MP4C	Z	12.672	4.5
54	MP4C	Mx	.006	4.5
55	MP2A	X	0	2
56	MP2A	Z	17.047	2
57	MP2A	Mx	0	2
58	MP2B	X	0	2
59	MP2B	Z	13.317	2
60	MP2B	Mx	.006	2
61	MP2C	X	0	2
62	MP2C	Z	12.655	2
63	MP2C	Mx	-.006	2
64	MP3A	X	0	2
65	MP3A	Z	17.047	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	11.899	2
69	MP3B	Mx	.005	2
70	MP3C	X	0	2
71	MP3C	Z	10.986	2
72	MP3C	Mx	-.005	2
73	MP3A	X	0	2.5
74	MP3A	Z	19.716	2.5
75	MP3A	Mx	0	2.5
76	MP3A	X	0	3.5
77	MP3A	Z	19.716	3.5
78	MP3A	Mx	0	3.5
79	MP3B	X	0	2.5
80	MP3B	Z	11.478	2.5
81	MP3B	Mx	.005	2.5
82	MP3B	X	0	3.5
83	MP3B	Z	11.478	3.5
84	MP3B	Mx	.005	3.5
85	MP3C	X	0	2.5
86	MP3C	Z	10.017	2.5
87	MP3C	Mx	-.005	2.5
88	MP3C	X	0	3.5
89	MP3C	Z	10.017	3.5
90	MP3C	Mx	-.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-15.325	1.8
2	MP1A	Z	26.544	1.8
3	MP1A	Mx	.025	1.8
4	MP1A	X	-15.325	5.4
5	MP1A	Z	26.544	5.4
6	MP1A	Mx	.025	5.4
7	MP1B	X	-11.628	1.8
8	MP1B	Z	20.14	1.8
9	MP1B	Mx	-.012	1.8
10	MP1B	X	-11.628	5.4
11	MP1B	Z	20.14	5.4
12	MP1B	Mx	-.012	5.4
13	MP1C	X	-14.521	1.8
14	MP1C	Z	25.151	1.8
15	MP1C	Mx	.024	1.8
16	MP1C	X	-14.521	5.4
17	MP1C	Z	25.151	5.4
18	MP1C	Mx	.024	5.4
19	MP1A	X	-15.325	1.8
20	MP1A	Z	26.544	1.8
21	MP1A	Mx	-.01	1.8
22	MP1A	X	-15.325	5.4
23	MP1A	Z	26.544	5.4
24	MP1A	Mx	-.01	5.4
25	MP1B	X	-11.628	1.8
26	MP1B	Z	20.14	1.8
27	MP1B	Mx	-.012	1.8
28	MP1B	X	-11.628	5.4
29	MP1B	Z	20.14	5.4
30	MP1B	Mx	-.012	5.4
31	MP1C	X	-14.521	1.8
32	MP1C	Z	25.151	1.8
33	MP1C	Mx	-.005	1.8
34	MP1C	X	-14.521	5.4
35	MP1C	Z	25.151	5.4
36	MP1C	Mx	-.005	5.4
37	MP4A	X	-8.898	1.5
38	MP4A	Z	15.411	1.5
39	MP4A	Mx	.004	1.5
40	MP4A	X	-8.898	4.5
41	MP4A	Z	15.411	4.5
42	MP4A	Mx	.004	4.5
43	MP4B	X	-5.863	1.5
44	MP4B	Z	10.154	1.5
45	MP4B	Mx	-.006	1.5
46	MP4B	X	-5.863	4.5
47	MP4B	Z	10.154	4.5
48	MP4B	Mx	-.006	4.5
49	MP4C	X	-8.237	1.5
50	MP4C	Z	14.268	1.5
51	MP4C	Mx	.005	1.5
52	MP4C	X	-8.237	4.5
53	MP4C	Z	14.268	4.5
54	MP4C	Mx	.005	4.5
55	MP2A	X	-7.902	2
56	MP2A	Z	13.687	2
57	MP2A	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-6.037	2
59	MP2B	Z	10.456	2
60	MP2B	Mx	.006	2
61	MP2C	X	-7.496	2
62	MP2C	Z	12.984	2
63	MP2C	Mx	-.005	2
64	MP3A	X	-7.666	2
65	MP3A	Z	13.277	2
66	MP3A	Mx	-.004	2
67	MP3B	X	-5.092	2
68	MP3B	Z	8.819	2
69	MP3B	Mx	.005	2
70	MP3C	X	-7.106	2
71	MP3C	Z	12.307	2
72	MP3C	Mx	-.005	2
73	MP3A	X	-8.485	2.5
74	MP3A	Z	14.697	2.5
75	MP3A	Mx	-.004	2.5
76	MP3A	X	-8.485	3.5
77	MP3A	Z	14.697	3.5
78	MP3A	Mx	-.004	3.5
79	MP3B	X	-4.366	2.5
80	MP3B	Z	7.562	2.5
81	MP3B	Mx	.004	2.5
82	MP3B	X	-4.366	3.5
83	MP3B	Z	7.562	3.5
84	MP3B	Mx	.004	3.5
85	MP3C	X	-7.589	2.5
86	MP3C	Z	13.145	2.5
87	MP3C	Mx	-.005	2.5
88	MP3C	X	-7.589	3.5
89	MP3C	Z	13.145	3.5
90	MP3C	Mx	-.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-22.274	1.8
2	MP1A	Z	12.86	1.8
3	MP1A	Mx	.02	1.8
4	MP1A	X	-22.274	5.4
5	MP1A	Z	12.86	5.4
6	MP1A	Mx	.02	5.4
7	MP1B	X	-22.274	1.8
8	MP1B	Z	12.86	1.8
9	MP1B	Mx	-.003	1.8
10	MP1B	X	-22.274	5.4
11	MP1B	Z	12.86	5.4
12	MP1B	Mx	-.003	5.4
13	MP1C	X	-28.421	1.8
14	MP1C	Z	16.409	1.8
15	MP1C	Mx	.024	1.8
16	MP1C	X	-28.421	5.4
17	MP1C	Z	16.409	5.4
18	MP1C	Mx	.024	5.4
19	MP1A	X	-22.274	1.8
20	MP1A	Z	12.86	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	.003	1.8
22	MP1A	X	-22.274	5.4
23	MP1A	Z	12.86	5.4
24	MP1A	Mx	.003	5.4
25	MP1B	X	-22.274	1.8
26	MP1B	Z	12.86	1.8
27	MP1B	Mx	-.02	1.8
28	MP1B	X	-22.274	5.4
29	MP1B	Z	12.86	5.4
30	MP1B	Mx	-.02	5.4
31	MP1C	X	-28.421	1.8
32	MP1C	Z	16.409	1.8
33	MP1C	Mx	-.019	1.8
34	MP1C	X	-28.421	5.4
35	MP1C	Z	16.409	5.4
36	MP1C	Mx	-.019	5.4
37	MP4A	X	-11.907	1.5
38	MP4A	Z	6.874	1.5
39	MP4A	Mx	.006	1.5
40	MP4A	X	-11.907	4.5
41	MP4A	Z	6.874	4.5
42	MP4A	Mx	.006	4.5
43	MP4B	X	-11.907	1.5
44	MP4B	Z	6.874	1.5
45	MP4B	Mx	-.006	1.5
46	MP4B	X	-11.907	4.5
47	MP4B	Z	6.874	4.5
48	MP4B	Mx	-.006	4.5
49	MP4C	X	-16.952	1.5
50	MP4C	Z	9.787	1.5
51	MP4C	Mx	.002	1.5
52	MP4C	X	-16.952	4.5
53	MP4C	Z	9.787	4.5
54	MP4C	Mx	.002	4.5
55	MP2A	X	-11.533	2
56	MP2A	Z	6.658	2
57	MP2A	Mx	-.006	2
58	MP2B	X	-11.533	2
59	MP2B	Z	6.658	2
60	MP2B	Mx	.006	2
61	MP2C	X	-14.634	2
62	MP2C	Z	8.449	2
63	MP2C	Mx	-.001	2
64	MP3A	X	-10.305	2
65	MP3A	Z	5.95	2
66	MP3A	Mx	-.005	2
67	MP3B	X	-10.305	2
68	MP3B	Z	5.95	2
69	MP3B	Mx	.005	2
70	MP3C	X	-14.584	2
71	MP3C	Z	8.42	2
72	MP3C	Mx	-.001	2
73	MP3A	X	-9.94	2.5
74	MP3A	Z	5.739	2.5
75	MP3A	Mx	-.005	2.5
76	MP3A	X	-9.94	3.5
77	MP3A	Z	5.739	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP3A	Mx	-.005	3.5
79	MP3B	X	-9.94	2.5
80	MP3B	Z	5.739	2.5
81	MP3B	Mx	.005	2.5
82	MP3B	X	-9.94	3.5
83	MP3B	Z	5.739	3.5
84	MP3B	Mx	.005	3.5
85	MP3C	X	-16.788	2.5
86	MP3C	Z	9.693	2.5
87	MP3C	Mx	-.002	2.5
88	MP3C	X	-16.788	3.5
89	MP3C	Z	9.693	3.5
90	MP3C	Mx	-.002	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-23.255	1.8
2	MP1A	Z	0	1.8
3	MP1A	Mx	.012	1.8
4	MP1A	X	-23.255	5.4
5	MP1A	Z	0	5.4
6	MP1A	Mx	.012	5.4
7	MP1B	X	-30.65	1.8
8	MP1B	Z	0	1.8
9	MP1B	Mx	.01	1.8
10	MP1B	X	-30.65	5.4
11	MP1B	Z	0	5.4
12	MP1B	Mx	.01	5.4
13	MP1C	X	-31.962	1.8
14	MP1C	Z	0	1.8
15	MP1C	Mx	.015	1.8
16	MP1C	X	-31.962	5.4
17	MP1C	Z	0	5.4
18	MP1C	Mx	.015	5.4
19	MP1A	X	-23.255	1.8
20	MP1A	Z	0	1.8
21	MP1A	Mx	.012	1.8
22	MP1A	X	-23.255	5.4
23	MP1A	Z	0	5.4
24	MP1A	Mx	.012	5.4
25	MP1B	X	-30.65	1.8
26	MP1B	Z	0	1.8
27	MP1B	Mx	-.025	1.8
28	MP1B	X	-30.65	5.4
29	MP1B	Z	0	5.4
30	MP1B	Mx	-.025	5.4
31	MP1C	X	-31.962	1.8
32	MP1C	Z	0	1.8
33	MP1C	Mx	-.025	1.8
34	MP1C	X	-31.962	5.4
35	MP1C	Z	0	5.4
36	MP1C	Mx	-.025	5.4
37	MP4A	X	-11.725	1.5
38	MP4A	Z	0	1.5
39	MP4A	Mx	.006	1.5
40	MP4A	X	-11.725	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	0	4.5
42	MP4A	Mx	.006	4.5
43	MP4B	X	-17.796	1.5
44	MP4B	Z	0	1.5
45	MP4B	Mx	-.004	1.5
46	MP4B	X	-17.796	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	-.004	4.5
49	MP4C	X	-18.872	1.5
50	MP4C	Z	0	1.5
51	MP4C	Mx	-.003	1.5
52	MP4C	X	-18.872	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	-.003	4.5
55	MP2A	X	-12.074	2
56	MP2A	Z	0	2
57	MP2A	Mx	-.006	2
58	MP2B	X	-15.804	2
59	MP2B	Z	0	2
60	MP2B	Mx	.004	2
61	MP2C	X	-16.466	2
62	MP2C	Z	0	2
63	MP2C	Mx	.003	2
64	MP3A	X	-10.183	2
65	MP3A	Z	0	2
66	MP3A	Mx	-.005	2
67	MP3B	X	-15.331	2
68	MP3B	Z	0	2
69	MP3B	Mx	.004	2
70	MP3C	X	-16.245	2
71	MP3C	Z	0	2
72	MP3C	Mx	.003	2
73	MP3A	X	-8.732	2.5
74	MP3A	Z	0	2.5
75	MP3A	Mx	-.004	2.5
76	MP3A	X	-8.732	3.5
77	MP3A	Z	0	3.5
78	MP3A	Mx	-.004	3.5
79	MP3B	X	-16.97	2.5
80	MP3B	Z	0	2.5
81	MP3B	Mx	.004	2.5
82	MP3B	X	-16.97	3.5
83	MP3B	Z	0	3.5
84	MP3B	Mx	.004	3.5
85	MP3C	X	-18.431	2.5
86	MP3C	Z	0	2.5
87	MP3C	Mx	.003	2.5
88	MP3C	X	-18.431	3.5
89	MP3C	Z	0	3.5
90	MP3C	Mx	.003	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-22.274	1.8
2	MP1A	Z	-12.86	1.8
3	MP1A	Mx	.003	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	-22.274	5.4
5	MP1A	Z	-12.86	5.4
6	MP1A	Mx	.003	5.4
7	MP1B	X	-28.679	1.8
8	MP1B	Z	-16.558	1.8
9	MP1B	Mx	.022	1.8
10	MP1B	X	-28.679	5.4
11	MP1B	Z	-16.558	5.4
12	MP1B	Mx	.022	5.4
13	MP1C	X	-23.668	1.8
14	MP1C	Z	-13.665	1.8
15	MP1C	Mx	.001	1.8
16	MP1C	X	-23.668	5.4
17	MP1C	Z	-13.665	5.4
18	MP1C	Mx	.001	5.4
19	MP1A	X	-22.274	1.8
20	MP1A	Z	-12.86	1.8
21	MP1A	Mx	.02	1.8
22	MP1A	X	-22.274	5.4
23	MP1A	Z	-12.86	5.4
24	MP1A	Mx	.02	5.4
25	MP1B	X	-28.679	1.8
26	MP1B	Z	-16.558	1.8
27	MP1B	Mx	-.022	1.8
28	MP1B	X	-28.679	5.4
29	MP1B	Z	-16.558	5.4
30	MP1B	Mx	-.022	5.4
31	MP1C	X	-23.668	1.8
32	MP1C	Z	-13.665	1.8
33	MP1C	Mx	-.022	1.8
34	MP1C	X	-23.668	5.4
35	MP1C	Z	-13.665	5.4
36	MP1C	Mx	-.022	5.4
37	MP4A	X	-11.907	1.5
38	MP4A	Z	-6.874	1.5
39	MP4A	Mx	.006	1.5
40	MP4A	X	-11.907	4.5
41	MP4A	Z	-6.874	4.5
42	MP4A	Mx	.006	4.5
43	MP4B	X	-17.164	1.5
44	MP4B	Z	-9.909	1.5
45	MP4B	Mx	0	1.5
46	MP4B	X	-17.164	4.5
47	MP4B	Z	-9.909	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	-13.05	1.5
50	MP4C	Z	-7.535	1.5
51	MP4C	Mx	-.006	1.5
52	MP4C	X	-13.05	4.5
53	MP4C	Z	-7.535	4.5
54	MP4C	Mx	-.006	4.5
55	MP2A	X	-11.533	2
56	MP2A	Z	-6.658	2
57	MP2A	Mx	-.006	2
58	MP2B	X	-14.764	2
59	MP2B	Z	-8.524	2
60	MP2B	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2C	X	-12.236	2
62	MP2C	Z	-7.064	2
63	MP2C	Mx	.005	2
64	MP3A	X	-10.305	2
65	MP3A	Z	-5.95	2
66	MP3A	Mx	-.005	2
67	MP3B	X	-14.764	2
68	MP3B	Z	-8.524	2
69	MP3B	Mx	0	2
70	MP3C	X	-11.275	2
71	MP3C	Z	-6.51	2
72	MP3C	Mx	.005	2
73	MP3A	X	-9.94	2.5
74	MP3A	Z	-5.739	2.5
75	MP3A	Mx	-.005	2.5
76	MP3A	X	-9.94	3.5
77	MP3A	Z	-5.739	3.5
78	MP3A	Mx	-.005	3.5
79	MP3B	X	-17.075	2.5
80	MP3B	Z	-9.858	2.5
81	MP3B	Mx	0	2.5
82	MP3B	X	-17.075	3.5
83	MP3B	Z	-9.858	3.5
84	MP3B	Mx	0	3.5
85	MP3C	X	-11.493	2.5
86	MP3C	Z	-6.635	2.5
87	MP3C	Mx	.005	2.5
88	MP3C	X	-11.493	3.5
89	MP3C	Z	-6.635	3.5
90	MP3C	Mx	.005	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-15.325	1.8
2	MP1A	Z	-26.544	1.8
3	MP1A	Mx	-.01	1.8
4	MP1A	X	-15.325	5.4
5	MP1A	Z	-26.544	5.4
6	MP1A	Mx	-.01	5.4
7	MP1B	X	-15.325	1.8
8	MP1B	Z	-26.544	1.8
9	MP1B	Mx	.025	1.8
10	MP1B	X	-15.325	5.4
11	MP1B	Z	-26.544	5.4
12	MP1B	Mx	.025	5.4
13	MP1C	X	-11.776	1.8
14	MP1C	Z	-20.397	1.8
15	MP1C	Mx	-.009	1.8
16	MP1C	X	-11.776	5.4
17	MP1C	Z	-20.397	5.4
18	MP1C	Mx	-.009	5.4
19	MP1A	X	-15.325	1.8
20	MP1A	Z	-26.544	1.8
21	MP1A	Mx	.025	1.8
22	MP1A	X	-15.325	5.4
23	MP1A	Z	-26.544	5.4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP1A	Mx	.025	5.4
25	MP1B	X	-15.325	1.8
26	MP1B	Z	-26.544	1.8
27	MP1B	Mx	-.01	1.8
28	MP1B	X	-15.325	5.4
29	MP1B	Z	-26.544	5.4
30	MP1B	Mx	-.01	5.4
31	MP1C	X	-11.776	1.8
32	MP1C	Z	-20.397	1.8
33	MP1C	Mx	-.014	1.8
34	MP1C	X	-11.776	5.4
35	MP1C	Z	-20.397	5.4
36	MP1C	Mx	-.014	5.4
37	MP4A	X	-8.898	1.5
38	MP4A	Z	-15.411	1.5
39	MP4A	Mx	.004	1.5
40	MP4A	X	-8.898	4.5
41	MP4A	Z	-15.411	4.5
42	MP4A	Mx	.004	4.5
43	MP4B	X	-8.898	1.5
44	MP4B	Z	-15.411	1.5
45	MP4B	Mx	.004	1.5
46	MP4B	X	-8.898	4.5
47	MP4B	Z	-15.411	4.5
48	MP4B	Mx	.004	4.5
49	MP4C	X	-5.985	1.5
50	MP4C	Z	-10.366	1.5
51	MP4C	Mx	-.006	1.5
52	MP4C	X	-5.985	4.5
53	MP4C	Z	-10.366	4.5
54	MP4C	Mx	-.006	4.5
55	MP2A	X	-7.902	2
56	MP2A	Z	-13.687	2
57	MP2A	Mx	-.004	2
58	MP2B	X	-7.902	2
59	MP2B	Z	-13.687	2
60	MP2B	Mx	-.004	2
61	MP2C	X	-6.112	2
62	MP2C	Z	-10.586	2
63	MP2C	Mx	.006	2
64	MP3A	X	-7.666	2
65	MP3A	Z	-13.277	2
66	MP3A	Mx	-.004	2
67	MP3B	X	-7.666	2
68	MP3B	Z	-13.277	2
69	MP3B	Mx	-.004	2
70	MP3C	X	-5.195	2
71	MP3C	Z	-8.998	2
72	MP3C	Mx	.005	2
73	MP3A	X	-8.485	2.5
74	MP3A	Z	-14.697	2.5
75	MP3A	Mx	-.004	2.5
76	MP3A	X	-8.485	3.5
77	MP3A	Z	-14.697	3.5
78	MP3A	Mx	-.004	3.5
79	MP3B	X	-8.485	2.5
80	MP3B	Z	-14.697	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP3B	Mx	-.004	2.5
82	MP3B	X	-8.485	3.5
83	MP3B	Z	-14.697	3.5
84	MP3B	Mx	-.004	3.5
85	MP3C	X	-4.532	2.5
86	MP3C	Z	-7.849	2.5
87	MP3C	Mx	.004	2.5
88	MP3C	X	-4.532	3.5
89	MP3C	Z	-7.849	3.5
90	MP3C	Mx	.004	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.8
2	MP1A	Z	-10.33	1.8
3	MP1A	Mx	-.007	1.8
4	MP1A	X	0	5.4
5	MP1A	Z	-10.33	5.4
6	MP1A	Mx	-.007	5.4
7	MP1B	X	0	1.8
8	MP1B	Z	-7.706	1.8
9	MP1B	Mx	.006	1.8
10	MP1B	X	0	5.4
11	MP1B	Z	-7.706	5.4
12	MP1B	Mx	.006	5.4
13	MP1C	X	0	1.8
14	MP1C	Z	-7.241	1.8
15	MP1C	Mx	-.005	1.8
16	MP1C	X	0	5.4
17	MP1C	Z	-7.241	5.4
18	MP1C	Mx	-.005	5.4
19	MP1A	X	0	1.8
20	MP1A	Z	-10.33	1.8
21	MP1A	Mx	.007	1.8
22	MP1A	X	0	5.4
23	MP1A	Z	-10.33	5.4
24	MP1A	Mx	.007	5.4
25	MP1B	X	0	1.8
26	MP1B	Z	-7.706	1.8
27	MP1B	Mx	.000768	1.8
28	MP1B	X	0	5.4
29	MP1B	Z	-7.706	5.4
30	MP1B	Mx	.000768	5.4
31	MP1C	X	0	1.8
32	MP1C	Z	-7.241	1.8
33	MP1C	Mx	-.002	1.8
34	MP1C	X	0	5.4
35	MP1C	Z	-7.241	5.4
36	MP1C	Mx	-.002	5.4
37	MP4A	X	0	1.5
38	MP4A	Z	-5.975	1.5
39	MP4A	Mx	0	1.5
40	MP4A	X	0	4.5
41	MP4A	Z	-5.975	4.5
42	MP4A	Mx	0	4.5
43	MP4B	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	-3.884	1.5
45	MP4B	Mx	.002	1.5
46	MP4B	X	0	4.5
47	MP4B	Z	-3.884	4.5
48	MP4B	Mx	.002	4.5
49	MP4C	X	0	1.5
50	MP4C	Z	-3.513	1.5
51	MP4C	Mx	-.002	1.5
52	MP4C	X	0	4.5
53	MP4C	Z	-3.513	4.5
54	MP4C	Mx	-.002	4.5
55	MP2A	X	0	2
56	MP2A	Z	-4.735	2
57	MP2A	Mx	0	2
58	MP2B	X	0	2
59	MP2B	Z	-3.557	2
60	MP2B	Mx	-.002	2
61	MP2C	X	0	2
62	MP2C	Z	-3.349	2
63	MP2C	Mx	.002	2
64	MP3A	X	0	2
65	MP3A	Z	-4.735	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	-3.106	2
69	MP3B	Mx	-.001	2
70	MP3C	X	0	2
71	MP3C	Z	-2.818	2
72	MP3C	Mx	.001	2
73	MP3A	X	0	2.5
74	MP3A	Z	-5.95	2.5
75	MP3A	Mx	0	2.5
76	MP3A	X	0	3.5
77	MP3A	Z	-5.95	3.5
78	MP3A	Mx	0	3.5
79	MP3B	X	0	2.5
80	MP3B	Z	-3.235	2.5
81	MP3B	Mx	-.001	2.5
82	MP3B	X	0	3.5
83	MP3B	Z	-3.235	3.5
84	MP3B	Mx	-.001	3.5
85	MP3C	X	0	2.5
86	MP3C	Z	-2.753	2.5
87	MP3C	Mx	.001	2.5
88	MP3C	X	0	3.5
89	MP3C	Z	-2.753	3.5
90	MP3C	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.728	1.8
2	MP1A	Z	-8.189	1.8
3	MP1A	Mx	-.008	1.8
4	MP1A	X	4.728	5.4
5	MP1A	Z	-8.189	5.4
6	MP1A	Mx	-.008	5.4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP1B	X	3.416	1.8
8	MP1B	Z	-5.916	1.8
9	MP1B	Mx	.003	1.8
10	MP1B	X	3.416	5.4
11	MP1B	Z	-5.916	5.4
12	MP1B	Mx	.003	5.4
13	MP1C	X	4.442	1.8
14	MP1C	Z	-7.694	1.8
15	MP1C	Mx	-.007	1.8
16	MP1C	X	4.442	5.4
17	MP1C	Z	-7.694	5.4
18	MP1C	Mx	-.007	5.4
19	MP1A	X	4.728	1.8
20	MP1A	Z	-8.189	1.8
21	MP1A	Mx	.003	1.8
22	MP1A	X	4.728	5.4
23	MP1A	Z	-8.189	5.4
24	MP1A	Mx	.003	5.4
25	MP1B	X	3.416	1.8
26	MP1B	Z	-5.916	1.8
27	MP1B	Mx	.003	1.8
28	MP1B	X	3.416	5.4
29	MP1B	Z	-5.916	5.4
30	MP1B	Mx	.003	5.4
31	MP1C	X	4.442	1.8
32	MP1C	Z	-7.694	1.8
33	MP1C	Mx	.002	1.8
34	MP1C	X	4.442	5.4
35	MP1C	Z	-7.694	5.4
36	MP1C	Mx	.002	5.4
37	MP4A	X	2.639	1.5
38	MP4A	Z	-4.571	1.5
39	MP4A	Mx	-.001	1.5
40	MP4A	X	2.639	4.5
41	MP4A	Z	-4.571	4.5
42	MP4A	Mx	-.001	4.5
43	MP4B	X	1.593	1.5
44	MP4B	Z	-2.76	1.5
45	MP4B	Mx	.002	1.5
46	MP4B	X	1.593	4.5
47	MP4B	Z	-2.76	4.5
48	MP4B	Mx	.002	4.5
49	MP4C	X	2.412	1.5
50	MP4C	Z	-4.177	1.5
51	MP4C	Mx	-.002	1.5
52	MP4C	X	2.412	4.5
53	MP4C	Z	-4.177	4.5
54	MP4C	Mx	-.002	4.5
55	MP2A	X	2.171	2
56	MP2A	Z	-3.761	2
57	MP2A	Mx	.001	2
58	MP2B	X	1.582	2
59	MP2B	Z	-2.741	2
60	MP2B	Mx	-.002	2
61	MP2C	X	2.043	2
62	MP2C	Z	-3.539	2
63	MP2C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3A	X	2.096	2
65	MP3A	Z	-3.63	2
66	MP3A	Mx	.001	2
67	MP3B	X	1.282	2
68	MP3B	Z	-2.22	2
69	MP3B	Mx	-.001	2
70	MP3C	X	1.919	2
71	MP3C	Z	-3.324	2
72	MP3C	Mx	.001	2
73	MP3A	X	2.522	2.5
74	MP3A	Z	-4.369	2.5
75	MP3A	Mx	.001	2.5
76	MP3A	X	2.522	3.5
77	MP3A	Z	-4.369	3.5
78	MP3A	Mx	.001	3.5
79	MP3B	X	1.165	2.5
80	MP3B	Z	-2.017	2.5
81	MP3B	Mx	-.001	2.5
82	MP3B	X	1.165	3.5
83	MP3B	Z	-2.017	3.5
84	MP3B	Mx	-.001	3.5
85	MP3C	X	2.227	2.5
86	MP3C	Z	-3.857	2.5
87	MP3C	Mx	.001	2.5
88	MP3C	X	2.227	3.5
89	MP3C	Z	-3.857	3.5
90	MP3C	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	6.674	1.8
2	MP1A	Z	-3.853	1.8
3	MP1A	Mx	-.006	1.8
4	MP1A	X	6.674	5.4
5	MP1A	Z	-3.853	5.4
6	MP1A	Mx	-.006	5.4
7	MP1B	X	6.674	1.8
8	MP1B	Z	-3.853	1.8
9	MP1B	Mx	.000768	1.8
10	MP1B	X	6.674	5.4
11	MP1B	Z	-3.853	5.4
12	MP1B	Mx	.000768	5.4
13	MP1C	X	8.855	1.8
14	MP1C	Z	-5.112	1.8
15	MP1C	Mx	-.008	1.8
16	MP1C	X	8.855	5.4
17	MP1C	Z	-5.112	5.4
18	MP1C	Mx	-.008	5.4
19	MP1A	X	6.674	1.8
20	MP1A	Z	-3.853	1.8
21	MP1A	Mx	-.000768	1.8
22	MP1A	X	6.674	5.4
23	MP1A	Z	-3.853	5.4
24	MP1A	Mx	-.000768	5.4
25	MP1B	X	6.674	1.8
26	MP1B	Z	-3.853	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP1B	Mx	.006	1.8
28	MP1B	X	6.674	5.4
29	MP1B	Z	-3.853	5.4
30	MP1B	Mx	.006	5.4
31	MP1C	X	8.855	1.8
32	MP1C	Z	-5.112	1.8
33	MP1C	Mx	.006	1.8
34	MP1C	X	8.855	5.4
35	MP1C	Z	-5.112	5.4
36	MP1C	Mx	.006	5.4
37	MP4A	X	3.363	1.5
38	MP4A	Z	-1.942	1.5
39	MP4A	Mx	-.002	1.5
40	MP4A	X	3.363	4.5
41	MP4A	Z	-1.942	4.5
42	MP4A	Mx	-.002	4.5
43	MP4B	X	3.363	1.5
44	MP4B	Z	-1.942	1.5
45	MP4B	Mx	.002	1.5
46	MP4B	X	3.363	4.5
47	MP4B	Z	-1.942	4.5
48	MP4B	Mx	.002	4.5
49	MP4C	X	5.102	1.5
50	MP4C	Z	-2.946	1.5
51	MP4C	Mx	-.000512	1.5
52	MP4C	X	5.102	4.5
53	MP4C	Z	-2.946	4.5
54	MP4C	Mx	-.000512	4.5
55	MP2A	X	3.081	2
56	MP2A	Z	-1.779	2
57	MP2A	Mx	.002	2
58	MP2B	X	3.081	2
59	MP2B	Z	-1.779	2
60	MP2B	Mx	-.002	2
61	MP2C	X	4.059	2
62	MP2C	Z	-2.344	2
63	MP2C	Mx	.000407	2
64	MP3A	X	2.69	2
65	MP3A	Z	-1.553	2
66	MP3A	Mx	.001	2
67	MP3B	X	2.69	2
68	MP3B	Z	-1.553	2
69	MP3B	Mx	-.001	2
70	MP3C	X	4.044	2
71	MP3C	Z	-2.335	2
72	MP3C	Mx	.000406	2
73	MP3A	X	2.801	2.5
74	MP3A	Z	-1.617	2.5
75	MP3A	Mx	.001	2.5
76	MP3A	X	2.801	3.5
77	MP3A	Z	-1.617	3.5
78	MP3A	Mx	.001	3.5
79	MP3B	X	2.801	2.5
80	MP3B	Z	-1.617	2.5
81	MP3B	Mx	-.001	2.5
82	MP3B	X	2.801	3.5
83	MP3B	Z	-1.617	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP3B	Mx	-.001	3.5
85	MP3C	X	5.058	2.5
86	MP3C	Z	-2.92	2.5
87	MP3C	Mx	.000507	2.5
88	MP3C	X	5.058	3.5
89	MP3C	Z	-2.92	3.5
90	MP3C	Mx	.000507	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	6.832	1.8
2	MP1A	Z	0	1.8
3	MP1A	Mx	-.003	1.8
4	MP1A	X	6.832	5.4
5	MP1A	Z	0	5.4
6	MP1A	Mx	-.003	5.4
7	MP1B	X	9.456	1.8
8	MP1B	Z	0	1.8
9	MP1B	Mx	-.003	1.8
10	MP1B	X	9.456	5.4
11	MP1B	Z	0	5.4
12	MP1B	Mx	-.003	5.4
13	MP1C	X	9.921	1.8
14	MP1C	Z	0	1.8
15	MP1C	Mx	-.005	1.8
16	MP1C	X	9.921	5.4
17	MP1C	Z	0	5.4
18	MP1C	Mx	-.005	5.4
19	MP1A	X	6.832	1.8
20	MP1A	Z	0	1.8
21	MP1A	Mx	-.003	1.8
22	MP1A	X	6.832	5.4
23	MP1A	Z	0	5.4
24	MP1A	Mx	-.003	5.4
25	MP1B	X	9.456	1.8
26	MP1B	Z	0	1.8
27	MP1B	Mx	.008	1.8
28	MP1B	X	9.456	5.4
29	MP1B	Z	0	5.4
30	MP1B	Mx	.008	5.4
31	MP1C	X	9.921	1.8
32	MP1C	Z	0	1.8
33	MP1C	Mx	.008	1.8
34	MP1C	X	9.921	5.4
35	MP1C	Z	0	5.4
36	MP1C	Mx	.008	5.4
37	MP4A	X	3.186	1.5
38	MP4A	Z	0	1.5
39	MP4A	Mx	-.002	1.5
40	MP4A	X	3.186	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	-.002	4.5
43	MP4B	X	5.278	1.5
44	MP4B	Z	0	1.5
45	MP4B	Mx	.001	1.5
46	MP4B	X	5.278	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP4B	Z	0	4.5
48	MP4B	Mx	.001	4.5
49	MP4C	X	5.649	1.5
50	MP4C	Z	0	1.5
51	MP4C	Mx	.000966	1.5
52	MP4C	X	5.649	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	.000966	4.5
55	MP2A	X	3.165	2
56	MP2A	Z	0	2
57	MP2A	Mx	.002	2
58	MP2B	X	4.342	2
59	MP2B	Z	0	2
60	MP2B	Mx	-.001	2
61	MP2C	X	4.551	2
62	MP2C	Z	0	2
63	MP2C	Mx	-.000778	2
64	MP3A	X	2.564	2
65	MP3A	Z	0	2
66	MP3A	Mx	.001	2
67	MP3B	X	4.192	2
68	MP3B	Z	0	2
69	MP3B	Mx	-.001	2
70	MP3C	X	4.481	2
71	MP3C	Z	0	2
72	MP3C	Mx	-.000766	2
73	MP3A	X	2.329	2.5
74	MP3A	Z	0	2.5
75	MP3A	Mx	.001	2.5
76	MP3A	X	2.329	3.5
77	MP3A	Z	0	3.5
78	MP3A	Mx	.001	3.5
79	MP3B	X	5.045	2.5
80	MP3B	Z	0	2.5
81	MP3B	Mx	-.001	2.5
82	MP3B	X	5.045	3.5
83	MP3B	Z	0	3.5
84	MP3B	Mx	-.001	3.5
85	MP3C	X	5.527	2.5
86	MP3C	Z	0	2.5
87	MP3C	Mx	-.000945	2.5
88	MP3C	X	5.527	3.5
89	MP3C	Z	0	3.5
90	MP3C	Mx	-.000945	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	6.674	1.8
2	MP1A	Z	3.853	1.8
3	MP1A	Mx	-.000768	1.8
4	MP1A	X	6.674	5.4
5	MP1A	Z	3.853	5.4
6	MP1A	Mx	-.000768	5.4
7	MP1B	X	8.946	1.8
8	MP1B	Z	5.165	1.8
9	MP1B	Mx	-.007	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP1B	X	8.946	5.4
11	MP1B	Z	5.165	5.4
12	MP1B	Mx	-.007	5.4
13	MP1C	X	7.168	1.8
14	MP1C	Z	4.139	1.8
15	MP1C	Mx	-.000376	1.8
16	MP1C	X	7.168	5.4
17	MP1C	Z	4.139	5.4
18	MP1C	Mx	-.000376	5.4
19	MP1A	X	6.674	1.8
20	MP1A	Z	3.853	1.8
21	MP1A	Mx	-.006	1.8
22	MP1A	X	6.674	5.4
23	MP1A	Z	3.853	5.4
24	MP1A	Mx	-.006	5.4
25	MP1B	X	8.946	1.8
26	MP1B	Z	5.165	1.8
27	MP1B	Mx	.007	1.8
28	MP1B	X	8.946	5.4
29	MP1B	Z	5.165	5.4
30	MP1B	Mx	.007	5.4
31	MP1C	X	7.168	1.8
32	MP1C	Z	4.139	1.8
33	MP1C	Mx	.007	1.8
34	MP1C	X	7.168	5.4
35	MP1C	Z	4.139	5.4
36	MP1C	Mx	.007	5.4
37	MP4A	X	3.363	1.5
38	MP4A	Z	1.942	1.5
39	MP4A	Mx	-.002	1.5
40	MP4A	X	3.363	4.5
41	MP4A	Z	1.942	4.5
42	MP4A	Mx	-.002	4.5
43	MP4B	X	5.175	1.5
44	MP4B	Z	2.988	1.5
45	MP4B	Mx	0	1.5
46	MP4B	X	5.175	4.5
47	MP4B	Z	2.988	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	3.758	1.5
50	MP4C	Z	2.169	1.5
51	MP4C	Mx	.002	1.5
52	MP4C	X	3.758	4.5
53	MP4C	Z	2.169	4.5
54	MP4C	Mx	.002	4.5
55	MP2A	X	3.081	2
56	MP2A	Z	1.779	2
57	MP2A	Mx	.002	2
58	MP2B	X	4.1	2
59	MP2B	Z	2.367	2
60	MP2B	Mx	0	2
61	MP2C	X	3.303	2
62	MP2C	Z	1.907	2
63	MP2C	Mx	-.001	2
64	MP3A	X	2.69	2
65	MP3A	Z	1.553	2
66	MP3A	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP3B	X	4.1	2
68	MP3B	Z	2.367	2
69	MP3B	Mx	0	2
70	MP3C	X	2.997	2
71	MP3C	Z	1.73	2
72	MP3C	Mx	-.001	2
73	MP3A	X	2.801	2.5
74	MP3A	Z	1.617	2.5
75	MP3A	Mx	.001	2.5
76	MP3A	X	2.801	3.5
77	MP3A	Z	1.617	3.5
78	MP3A	Mx	.001	3.5
79	MP3B	X	5.153	2.5
80	MP3B	Z	2.975	2.5
81	MP3B	Mx	0	2.5
82	MP3B	X	5.153	3.5
83	MP3B	Z	2.975	3.5
84	MP3B	Mx	0	3.5
85	MP3C	X	3.313	2.5
86	MP3C	Z	1.913	2.5
87	MP3C	Mx	-.001	2.5
88	MP3C	X	3.313	3.5
89	MP3C	Z	1.913	3.5
90	MP3C	Mx	-.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.728	1.8
2	MP1A	Z	8.189	1.8
3	MP1A	Mx	.003	1.8
4	MP1A	X	4.728	5.4
5	MP1A	Z	8.189	5.4
6	MP1A	Mx	.003	5.4
7	MP1B	X	4.728	1.8
8	MP1B	Z	8.189	1.8
9	MP1B	Mx	-.008	1.8
10	MP1B	X	4.728	5.4
11	MP1B	Z	8.189	5.4
12	MP1B	Mx	-.008	5.4
13	MP1C	X	3.469	1.8
14	MP1C	Z	6.008	1.8
15	MP1C	Mx	.003	1.8
16	MP1C	X	3.469	5.4
17	MP1C	Z	6.008	5.4
18	MP1C	Mx	.003	5.4
19	MP1A	X	4.728	1.8
20	MP1A	Z	8.189	1.8
21	MP1A	Mx	-.008	1.8
22	MP1A	X	4.728	5.4
23	MP1A	Z	8.189	5.4
24	MP1A	Mx	-.008	5.4
25	MP1B	X	4.728	1.8
26	MP1B	Z	8.189	1.8
27	MP1B	Mx	.003	1.8
28	MP1B	X	4.728	5.4
29	MP1B	Z	8.189	5.4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP1B	Mx	.003	5.4
31	MP1C	X	3.469	1.8
32	MP1C	Z	6.008	1.8
33	MP1C	Mx	.004	1.8
34	MP1C	X	3.469	5.4
35	MP1C	Z	6.008	5.4
36	MP1C	Mx	.004	5.4
37	MP4A	X	2.639	1.5
38	MP4A	Z	4.571	1.5
39	MP4A	Mx	-.001	1.5
40	MP4A	X	2.639	4.5
41	MP4A	Z	4.571	4.5
42	MP4A	Mx	-.001	4.5
43	MP4B	X	2.639	1.5
44	MP4B	Z	4.571	1.5
45	MP4B	Mx	-.001	1.5
46	MP4B	X	2.639	4.5
47	MP4B	Z	4.571	4.5
48	MP4B	Mx	-.001	4.5
49	MP4C	X	1.635	1.5
50	MP4C	Z	2.832	1.5
51	MP4C	Mx	.002	1.5
52	MP4C	X	1.635	4.5
53	MP4C	Z	2.832	4.5
54	MP4C	Mx	.002	4.5
55	MP2A	X	2.171	2
56	MP2A	Z	3.761	2
57	MP2A	Mx	.001	2
58	MP2B	X	2.171	2
59	MP2B	Z	3.761	2
60	MP2B	Mx	.001	2
61	MP2C	X	1.606	2
62	MP2C	Z	2.782	2
63	MP2C	Mx	-.002	2
64	MP3A	X	2.096	2
65	MP3A	Z	3.63	2
66	MP3A	Mx	.001	2
67	MP3B	X	2.096	2
68	MP3B	Z	3.63	2
69	MP3B	Mx	.001	2
70	MP3C	X	1.315	2
71	MP3C	Z	2.277	2
72	MP3C	Mx	-.001	2
73	MP3A	X	2.522	2.5
74	MP3A	Z	4.369	2.5
75	MP3A	Mx	.001	2.5
76	MP3A	X	2.522	3.5
77	MP3A	Z	4.369	3.5
78	MP3A	Mx	.001	3.5
79	MP3B	X	2.522	2.5
80	MP3B	Z	4.369	2.5
81	MP3B	Mx	.001	2.5
82	MP3B	X	2.522	3.5
83	MP3B	Z	4.369	3.5
84	MP3B	Mx	.001	3.5
85	MP3C	X	1.219	2.5
86	MP3C	Z	2.112	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP3C	Mx	-.001	2.5
88	MP3C	X	1.219	3.5
89	MP3C	Z	2.112	3.5
90	MP3C	Mx	-.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.8
2	MP1A	Z	10.33	1.8
3	MP1A	Mx	.007	1.8
4	MP1A	X	0	5.4
5	MP1A	Z	10.33	5.4
6	MP1A	Mx	.007	5.4
7	MP1B	X	0	1.8
8	MP1B	Z	7.706	1.8
9	MP1B	Mx	-.006	1.8
10	MP1B	X	0	5.4
11	MP1B	Z	7.706	5.4
12	MP1B	Mx	-.006	5.4
13	MP1C	X	0	1.8
14	MP1C	Z	7.241	1.8
15	MP1C	Mx	.005	1.8
16	MP1C	X	0	5.4
17	MP1C	Z	7.241	5.4
18	MP1C	Mx	.005	5.4
19	MP1A	X	0	1.8
20	MP1A	Z	10.33	1.8
21	MP1A	Mx	-.007	1.8
22	MP1A	X	0	5.4
23	MP1A	Z	10.33	5.4
24	MP1A	Mx	-.007	5.4
25	MP1B	X	0	1.8
26	MP1B	Z	7.706	1.8
27	MP1B	Mx	-.000768	1.8
28	MP1B	X	0	5.4
29	MP1B	Z	7.706	5.4
30	MP1B	Mx	-.000768	5.4
31	MP1C	X	0	1.8
32	MP1C	Z	7.241	1.8
33	MP1C	Mx	.002	1.8
34	MP1C	X	0	5.4
35	MP1C	Z	7.241	5.4
36	MP1C	Mx	.002	5.4
37	MP4A	X	0	1.5
38	MP4A	Z	5.975	1.5
39	MP4A	Mx	0	1.5
40	MP4A	X	0	4.5
41	MP4A	Z	5.975	4.5
42	MP4A	Mx	0	4.5
43	MP4B	X	0	1.5
44	MP4B	Z	3.884	1.5
45	MP4B	Mx	-.002	1.5
46	MP4B	X	0	4.5
47	MP4B	Z	3.884	4.5
48	MP4B	Mx	-.002	4.5
49	MP4C	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP4C	Z	3.513	1.5
51	MP4C	Mx	.002	1.5
52	MP4C	X	0	4.5
53	MP4C	Z	3.513	4.5
54	MP4C	Mx	.002	4.5
55	MP2A	X	0	2
56	MP2A	Z	4.735	2
57	MP2A	Mx	0	2
58	MP2B	X	0	2
59	MP2B	Z	3.557	2
60	MP2B	Mx	.002	2
61	MP2C	X	0	2
62	MP2C	Z	3.349	2
63	MP2C	Mx	-.002	2
64	MP3A	X	0	2
65	MP3A	Z	4.735	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	3.106	2
69	MP3B	Mx	.001	2
70	MP3C	X	0	2
71	MP3C	Z	2.818	2
72	MP3C	Mx	-.001	2
73	MP3A	X	0	2.5
74	MP3A	Z	5.95	2.5
75	MP3A	Mx	0	2.5
76	MP3A	X	0	3.5
77	MP3A	Z	5.95	3.5
78	MP3A	Mx	0	3.5
79	MP3B	X	0	2.5
80	MP3B	Z	3.235	2.5
81	MP3B	Mx	.001	2.5
82	MP3B	X	0	3.5
83	MP3B	Z	3.235	3.5
84	MP3B	Mx	.001	3.5
85	MP3C	X	0	2.5
86	MP3C	Z	2.753	2.5
87	MP3C	Mx	-.001	2.5
88	MP3C	X	0	3.5
89	MP3C	Z	2.753	3.5
90	MP3C	Mx	-.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.728	1.8
2	MP1A	Z	8.189	1.8
3	MP1A	Mx	.008	1.8
4	MP1A	X	-4.728	5.4
5	MP1A	Z	8.189	5.4
6	MP1A	Mx	.008	5.4
7	MP1B	X	-3.416	1.8
8	MP1B	Z	5.916	1.8
9	MP1B	Mx	-.003	1.8
10	MP1B	X	-3.416	5.4
11	MP1B	Z	5.916	5.4
12	MP1B	Mx	-.003	5.4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1C	X	-4.442	1.8
14	MP1C	Z	7.694	1.8
15	MP1C	Mx	.007	1.8
16	MP1C	X	-4.442	5.4
17	MP1C	Z	7.694	5.4
18	MP1C	Mx	.007	5.4
19	MP1A	X	-4.728	1.8
20	MP1A	Z	8.189	1.8
21	MP1A	Mx	-.003	1.8
22	MP1A	X	-4.728	5.4
23	MP1A	Z	8.189	5.4
24	MP1A	Mx	-.003	5.4
25	MP1B	X	-3.416	1.8
26	MP1B	Z	5.916	1.8
27	MP1B	Mx	-.003	1.8
28	MP1B	X	-3.416	5.4
29	MP1B	Z	5.916	5.4
30	MP1B	Mx	-.003	5.4
31	MP1C	X	-4.442	1.8
32	MP1C	Z	7.694	1.8
33	MP1C	Mx	-.002	1.8
34	MP1C	X	-4.442	5.4
35	MP1C	Z	7.694	5.4
36	MP1C	Mx	-.002	5.4
37	MP4A	X	-2.639	1.5
38	MP4A	Z	4.571	1.5
39	MP4A	Mx	.001	1.5
40	MP4A	X	-2.639	4.5
41	MP4A	Z	4.571	4.5
42	MP4A	Mx	.001	4.5
43	MP4B	X	-1.593	1.5
44	MP4B	Z	2.76	1.5
45	MP4B	Mx	-.002	1.5
46	MP4B	X	-1.593	4.5
47	MP4B	Z	2.76	4.5
48	MP4B	Mx	-.002	4.5
49	MP4C	X	-2.412	1.5
50	MP4C	Z	4.177	1.5
51	MP4C	Mx	.002	1.5
52	MP4C	X	-2.412	4.5
53	MP4C	Z	4.177	4.5
54	MP4C	Mx	.002	4.5
55	MP2A	X	-2.171	2
56	MP2A	Z	3.761	2
57	MP2A	Mx	-.001	2
58	MP2B	X	-1.582	2
59	MP2B	Z	2.741	2
60	MP2B	Mx	.002	2
61	MP2C	X	-2.043	2
62	MP2C	Z	3.539	2
63	MP2C	Mx	-.001	2
64	MP3A	X	-2.096	2
65	MP3A	Z	3.63	2
66	MP3A	Mx	-.001	2
67	MP3B	X	-1.282	2
68	MP3B	Z	2.22	2
69	MP3B	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP3C	X	-1.919	2
71	MP3C	Z	3.324	2
72	MP3C	Mx	-.001	2
73	MP3A	X	-2.522	2.5
74	MP3A	Z	4.369	2.5
75	MP3A	Mx	-.001	2.5
76	MP3A	X	-2.522	3.5
77	MP3A	Z	4.369	3.5
78	MP3A	Mx	-.001	3.5
79	MP3B	X	-1.165	2.5
80	MP3B	Z	2.017	2.5
81	MP3B	Mx	.001	2.5
82	MP3B	X	-1.165	3.5
83	MP3B	Z	2.017	3.5
84	MP3B	Mx	.001	3.5
85	MP3C	X	-2.227	2.5
86	MP3C	Z	3.857	2.5
87	MP3C	Mx	-.001	2.5
88	MP3C	X	-2.227	3.5
89	MP3C	Z	3.857	3.5
90	MP3C	Mx	-.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-6.674	1.8
2	MP1A	Z	3.853	1.8
3	MP1A	Mx	.006	1.8
4	MP1A	X	-6.674	5.4
5	MP1A	Z	3.853	5.4
6	MP1A	Mx	.006	5.4
7	MP1B	X	-6.674	1.8
8	MP1B	Z	3.853	1.8
9	MP1B	Mx	-.000768	1.8
10	MP1B	X	-6.674	5.4
11	MP1B	Z	3.853	5.4
12	MP1B	Mx	-.000768	5.4
13	MP1C	X	-8.855	1.8
14	MP1C	Z	5.112	1.8
15	MP1C	Mx	.008	1.8
16	MP1C	X	-8.855	5.4
17	MP1C	Z	5.112	5.4
18	MP1C	Mx	.008	5.4
19	MP1A	X	-6.674	1.8
20	MP1A	Z	3.853	1.8
21	MP1A	Mx	.000768	1.8
22	MP1A	X	-6.674	5.4
23	MP1A	Z	3.853	5.4
24	MP1A	Mx	.000768	5.4
25	MP1B	X	-6.674	1.8
26	MP1B	Z	3.853	1.8
27	MP1B	Mx	-.006	1.8
28	MP1B	X	-6.674	5.4
29	MP1B	Z	3.853	5.4
30	MP1B	Mx	-.006	5.4
31	MP1C	X	-8.855	1.8
32	MP1C	Z	5.112	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP1C	Mx	-.006	1.8
34	MP1C	X	-8.855	5.4
35	MP1C	Z	5.112	5.4
36	MP1C	Mx	-.006	5.4
37	MP4A	X	-3.363	1.5
38	MP4A	Z	1.942	1.5
39	MP4A	Mx	.002	1.5
40	MP4A	X	-3.363	4.5
41	MP4A	Z	1.942	4.5
42	MP4A	Mx	.002	4.5
43	MP4B	X	-3.363	1.5
44	MP4B	Z	1.942	1.5
45	MP4B	Mx	-.002	1.5
46	MP4B	X	-3.363	4.5
47	MP4B	Z	1.942	4.5
48	MP4B	Mx	-.002	4.5
49	MP4C	X	-5.102	1.5
50	MP4C	Z	2.946	1.5
51	MP4C	Mx	.000512	1.5
52	MP4C	X	-5.102	4.5
53	MP4C	Z	2.946	4.5
54	MP4C	Mx	.000512	4.5
55	MP2A	X	-3.081	2
56	MP2A	Z	1.779	2
57	MP2A	Mx	-.002	2
58	MP2B	X	-3.081	2
59	MP2B	Z	1.779	2
60	MP2B	Mx	.002	2
61	MP2C	X	-4.059	2
62	MP2C	Z	2.344	2
63	MP2C	Mx	-.000407	2
64	MP3A	X	-2.69	2
65	MP3A	Z	1.553	2
66	MP3A	Mx	-.001	2
67	MP3B	X	-2.69	2
68	MP3B	Z	1.553	2
69	MP3B	Mx	.001	2
70	MP3C	X	-4.044	2
71	MP3C	Z	2.335	2
72	MP3C	Mx	-.000406	2
73	MP3A	X	-2.801	2.5
74	MP3A	Z	1.617	2.5
75	MP3A	Mx	-.001	2.5
76	MP3A	X	-2.801	3.5
77	MP3A	Z	1.617	3.5
78	MP3A	Mx	-.001	3.5
79	MP3B	X	-2.801	2.5
80	MP3B	Z	1.617	2.5
81	MP3B	Mx	.001	2.5
82	MP3B	X	-2.801	3.5
83	MP3B	Z	1.617	3.5
84	MP3B	Mx	.001	3.5
85	MP3C	X	-5.058	2.5
86	MP3C	Z	2.92	2.5
87	MP3C	Mx	-.000507	2.5
88	MP3C	X	-5.058	3.5
89	MP3C	Z	2.92	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP3C	Mx	-.000507	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-6.832	1.8
2	MP1A	Z	0	1.8
3	MP1A	Mx	.003	1.8
4	MP1A	X	-6.832	5.4
5	MP1A	Z	0	5.4
6	MP1A	Mx	.003	5.4
7	MP1B	X	-9.456	1.8
8	MP1B	Z	0	1.8
9	MP1B	Mx	.003	1.8
10	MP1B	X	-9.456	5.4
11	MP1B	Z	0	5.4
12	MP1B	Mx	.003	5.4
13	MP1C	X	-9.921	1.8
14	MP1C	Z	0	1.8
15	MP1C	Mx	.005	1.8
16	MP1C	X	-9.921	5.4
17	MP1C	Z	0	5.4
18	MP1C	Mx	.005	5.4
19	MP1A	X	-6.832	1.8
20	MP1A	Z	0	1.8
21	MP1A	Mx	.003	1.8
22	MP1A	X	-6.832	5.4
23	MP1A	Z	0	5.4
24	MP1A	Mx	.003	5.4
25	MP1B	X	-9.456	1.8
26	MP1B	Z	0	1.8
27	MP1B	Mx	-.008	1.8
28	MP1B	X	-9.456	5.4
29	MP1B	Z	0	5.4
30	MP1B	Mx	-.008	5.4
31	MP1C	X	-9.921	1.8
32	MP1C	Z	0	1.8
33	MP1C	Mx	-.008	1.8
34	MP1C	X	-9.921	5.4
35	MP1C	Z	0	5.4
36	MP1C	Mx	-.008	5.4
37	MP4A	X	-3.186	1.5
38	MP4A	Z	0	1.5
39	MP4A	Mx	.002	1.5
40	MP4A	X	-3.186	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	.002	4.5
43	MP4B	X	-5.278	1.5
44	MP4B	Z	0	1.5
45	MP4B	Mx	-.001	1.5
46	MP4B	X	-5.278	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	-.001	4.5
49	MP4C	X	-5.649	1.5
50	MP4C	Z	0	1.5
51	MP4C	Mx	-.000966	1.5
52	MP4C	X	-5.649	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	0	4.5
54	MP4C	Mx	-.000966	4.5
55	MP2A	X	-3.165	2
56	MP2A	Z	0	2
57	MP2A	Mx	-.002	2
58	MP2B	X	-4.342	2
59	MP2B	Z	0	2
60	MP2B	Mx	.001	2
61	MP2C	X	-4.551	2
62	MP2C	Z	0	2
63	MP2C	Mx	.000778	2
64	MP3A	X	-2.564	2
65	MP3A	Z	0	2
66	MP3A	Mx	-.001	2
67	MP3B	X	-4.192	2
68	MP3B	Z	0	2
69	MP3B	Mx	.001	2
70	MP3C	X	-4.481	2
71	MP3C	Z	0	2
72	MP3C	Mx	.000766	2
73	MP3A	X	-2.329	2.5
74	MP3A	Z	0	2.5
75	MP3A	Mx	-.001	2.5
76	MP3A	X	-2.329	3.5
77	MP3A	Z	0	3.5
78	MP3A	Mx	-.001	3.5
79	MP3B	X	-5.045	2.5
80	MP3B	Z	0	2.5
81	MP3B	Mx	.001	2.5
82	MP3B	X	-5.045	3.5
83	MP3B	Z	0	3.5
84	MP3B	Mx	.001	3.5
85	MP3C	X	-5.527	2.5
86	MP3C	Z	0	2.5
87	MP3C	Mx	.000945	2.5
88	MP3C	X	-5.527	3.5
89	MP3C	Z	0	3.5
90	MP3C	Mx	.000945	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-6.674	1.8
2	MP1A	Z	-3.853	1.8
3	MP1A	Mx	.000768	1.8
4	MP1A	X	-6.674	5.4
5	MP1A	Z	-3.853	5.4
6	MP1A	Mx	.000768	5.4
7	MP1B	X	-8.946	1.8
8	MP1B	Z	-5.165	1.8
9	MP1B	Mx	.007	1.8
10	MP1B	X	-8.946	5.4
11	MP1B	Z	-5.165	5.4
12	MP1B	Mx	.007	5.4
13	MP1C	X	-7.168	1.8
14	MP1C	Z	-4.139	1.8
15	MP1C	Mx	.000376	1.8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP1C	X	-7.168	5.4
17	MP1C	Z	-4.139	5.4
18	MP1C	Mx	.000376	5.4
19	MP1A	X	-6.674	1.8
20	MP1A	Z	-3.853	1.8
21	MP1A	Mx	.006	1.8
22	MP1A	X	-6.674	5.4
23	MP1A	Z	-3.853	5.4
24	MP1A	Mx	.006	5.4
25	MP1B	X	-8.946	1.8
26	MP1B	Z	-5.165	1.8
27	MP1B	Mx	-.007	1.8
28	MP1B	X	-8.946	5.4
29	MP1B	Z	-5.165	5.4
30	MP1B	Mx	-.007	5.4
31	MP1C	X	-7.168	1.8
32	MP1C	Z	-4.139	1.8
33	MP1C	Mx	-.007	1.8
34	MP1C	X	-7.168	5.4
35	MP1C	Z	-4.139	5.4
36	MP1C	Mx	-.007	5.4
37	MP4A	X	-3.363	1.5
38	MP4A	Z	-1.942	1.5
39	MP4A	Mx	.002	1.5
40	MP4A	X	-3.363	4.5
41	MP4A	Z	-1.942	4.5
42	MP4A	Mx	.002	4.5
43	MP4B	X	-5.175	1.5
44	MP4B	Z	-2.988	1.5
45	MP4B	Mx	0	1.5
46	MP4B	X	-5.175	4.5
47	MP4B	Z	-2.988	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	-3.758	1.5
50	MP4C	Z	-2.169	1.5
51	MP4C	Mx	-.002	1.5
52	MP4C	X	-3.758	4.5
53	MP4C	Z	-2.169	4.5
54	MP4C	Mx	-.002	4.5
55	MP2A	X	-3.081	2
56	MP2A	Z	-1.779	2
57	MP2A	Mx	-.002	2
58	MP2B	X	-4.1	2
59	MP2B	Z	-2.367	2
60	MP2B	Mx	0	2
61	MP2C	X	-3.303	2
62	MP2C	Z	-1.907	2
63	MP2C	Mx	.001	2
64	MP3A	X	-2.69	2
65	MP3A	Z	-1.553	2
66	MP3A	Mx	-.001	2
67	MP3B	X	-4.1	2
68	MP3B	Z	-2.367	2
69	MP3B	Mx	0	2
70	MP3C	X	-2.997	2
71	MP3C	Z	-1.73	2
72	MP3C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP3A	X	-2.801	2.5
74	MP3A	Z	-1.617	2.5
75	MP3A	Mx	-.001	2.5
76	MP3A	X	-2.801	3.5
77	MP3A	Z	-1.617	3.5
78	MP3A	Mx	-.001	3.5
79	MP3B	X	-5.153	2.5
80	MP3B	Z	-2.975	2.5
81	MP3B	Mx	0	2.5
82	MP3B	X	-5.153	3.5
83	MP3B	Z	-2.975	3.5
84	MP3B	Mx	0	3.5
85	MP3C	X	-3.313	2.5
86	MP3C	Z	-1.913	2.5
87	MP3C	Mx	.001	2.5
88	MP3C	X	-3.313	3.5
89	MP3C	Z	-1.913	3.5
90	MP3C	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.728	1.8
2	MP1A	Z	-8.189	1.8
3	MP1A	Mx	-.003	1.8
4	MP1A	X	-4.728	5.4
5	MP1A	Z	-8.189	5.4
6	MP1A	Mx	-.003	5.4
7	MP1B	X	-4.728	1.8
8	MP1B	Z	-8.189	1.8
9	MP1B	Mx	.008	1.8
10	MP1B	X	-4.728	5.4
11	MP1B	Z	-8.189	5.4
12	MP1B	Mx	.008	5.4
13	MP1C	X	-3.469	1.8
14	MP1C	Z	-6.008	1.8
15	MP1C	Mx	-.003	1.8
16	MP1C	X	-3.469	5.4
17	MP1C	Z	-6.008	5.4
18	MP1C	Mx	-.003	5.4
19	MP1A	X	-4.728	1.8
20	MP1A	Z	-8.189	1.8
21	MP1A	Mx	.008	1.8
22	MP1A	X	-4.728	5.4
23	MP1A	Z	-8.189	5.4
24	MP1A	Mx	.008	5.4
25	MP1B	X	-4.728	1.8
26	MP1B	Z	-8.189	1.8
27	MP1B	Mx	-.003	1.8
28	MP1B	X	-4.728	5.4
29	MP1B	Z	-8.189	5.4
30	MP1B	Mx	-.003	5.4
31	MP1C	X	-3.469	1.8
32	MP1C	Z	-6.008	1.8
33	MP1C	Mx	-.004	1.8
34	MP1C	X	-3.469	5.4
35	MP1C	Z	-6.008	5.4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP1C	Mx	-.004	5.4
37	MP4A	X	-2.639	1.5
38	MP4A	Z	-4.571	1.5
39	MP4A	Mx	.001	1.5
40	MP4A	X	-2.639	4.5
41	MP4A	Z	-4.571	4.5
42	MP4A	Mx	.001	4.5
43	MP4B	X	-2.639	1.5
44	MP4B	Z	-4.571	1.5
45	MP4B	Mx	.001	1.5
46	MP4B	X	-2.639	4.5
47	MP4B	Z	-4.571	4.5
48	MP4B	Mx	.001	4.5
49	MP4C	X	-1.635	1.5
50	MP4C	Z	-2.832	1.5
51	MP4C	Mx	-.002	1.5
52	MP4C	X	-1.635	4.5
53	MP4C	Z	-2.832	4.5
54	MP4C	Mx	-.002	4.5
55	MP2A	X	-2.171	2
56	MP2A	Z	-3.761	2
57	MP2A	Mx	-.001	2
58	MP2B	X	-2.171	2
59	MP2B	Z	-3.761	2
60	MP2B	Mx	-.001	2
61	MP2C	X	-1.606	2
62	MP2C	Z	-2.782	2
63	MP2C	Mx	.002	2
64	MP3A	X	-2.096	2
65	MP3A	Z	-3.63	2
66	MP3A	Mx	-.001	2
67	MP3B	X	-2.096	2
68	MP3B	Z	-3.63	2
69	MP3B	Mx	-.001	2
70	MP3C	X	-1.315	2
71	MP3C	Z	-2.277	2
72	MP3C	Mx	.001	2
73	MP3A	X	-2.522	2.5
74	MP3A	Z	-4.369	2.5
75	MP3A	Mx	-.001	2.5
76	MP3A	X	-2.522	3.5
77	MP3A	Z	-4.369	3.5
78	MP3A	Mx	-.001	3.5
79	MP3B	X	-2.522	2.5
80	MP3B	Z	-4.369	2.5
81	MP3B	Mx	-.001	2.5
82	MP3B	X	-2.522	3.5
83	MP3B	Z	-4.369	3.5
84	MP3B	Mx	-.001	3.5
85	MP3C	X	-1.219	2.5
86	MP3C	Z	-2.112	2.5
87	MP3C	Mx	.001	2.5
88	MP3C	X	-1.219	3.5
89	MP3C	Z	-2.112	3.5
90	MP3C	Mx	.001	3.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M21	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M20	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7A	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7A	Y	-250	0

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	Y	-12.26	-12.26	0	%100
2	M7A	Y	-12.26	-12.26	0	%100
3	M73	Y	-15.891	-15.891	0	%100
4	M74	Y	-15.891	-15.891	0	%100
5	MP4A	Y	-8.401	-8.401	0	%100
6	MP3A	Y	-8.401	-8.401	0	%100
7	MP2A	Y	-8.401	-8.401	0	%100
8	MP1A	Y	-8.401	-8.401	0	%100
9	M15	Y	-15.182	-15.182	0	%100
10	M16	Y	-12.26	-12.26	0	%100
11	M17	Y	-12.26	-12.26	0	%100
12	M19A	Y	-15.891	-15.891	0	%100
13	MP4B	Y	-8.401	-8.401	0	%100
14	MP3B	Y	-8.401	-8.401	0	%100
15	MP2B	Y	-8.401	-8.401	0	%100
16	MP1B	Y	-8.401	-8.401	0	%100
17	M31	Y	-12.26	-12.26	0	%100
18	M32	Y	-12.26	-12.26	0	%100
19	MP4C	Y	-8.401	-8.401	0	%100
20	MP3C	Y	-8.401	-8.401	0	%100
21	MP2C	Y	-8.401	-8.401	0	%100
22	MP1C	Y	-8.401	-8.401	0	%100
23	M46	Y	-17.44	-17.44	0	%100
24	M42A	Y	-15.182	-15.182	0	%100
25	M45	Y	-15.182	-15.182	0	%100
26	M49	Y	-9.434	-9.434	0	%100
27	M57A	Y	-9.434	-9.434	0	%100
28	M58A	Y	-9.434	-9.434	0	%100
29	M59	Y	-17.44	-17.44	0	%100
30	M60	Y	-17.44	-17.44	0	%100
31	M67	Y	-12.26	-12.26	0	%100
32	M68	Y	-12.26	-12.26	0	%100
33	M69	Y	-12.26	-12.26	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	M6A	Z	-19.586	-19.586	0	%100
3	M7A	X	0	0	0	%100
4	M7A	Z	-19.586	-19.586	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	-12.471	-12.471	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	-12.471	-12.471	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-9.303	-9.303	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	-9.303	-9.303	0	%100
13	MP2A	X	0	0	0	%100
14	MP2A	Z	-9.303	-9.303	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-9.303	-9.303	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	-4.896	-4.896	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	-4.89	-4.89	0	%100
23	M19A	X	0	0	0	%100
24	M19A	Z	-9e-6	-9e-6	0	%100
25	MP4B	X	0	0	0	%100
26	MP4B	Z	-9.303	-9.303	0	%100
27	MP3B	X	0	0	0	%100
28	MP3B	Z	-9.303	-9.303	0	%100
29	MP2B	X	0	0	0	%100
30	MP2B	Z	-9.303	-9.303	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	-9.303	-9.303	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-4.896	-4.896	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-4.896	-4.896	0	%100
37	MP4C	X	0	0	0	%100
38	MP4C	Z	-9.303	-9.303	0	%100
39	MP3C	X	0	0	0	%100
40	MP3C	Z	-9.303	-9.303	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-9.303	-9.303	0	%100
43	MP1C	X	0	0	0	%100
44	MP1C	Z	-9.303	-9.303	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-17.819	-17.819	0	%100
47	M42A	X	0	0	0	%100
48	M42A	Z	-8.931	-8.931	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-8.931	-8.931	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	-11.262	-11.262	0	%100
53	M57A	X	0	0	0	%100
54	M57A	Z	-2.82	-2.82	0	%100
55	M58A	X	0	0	0	%100
56	M58A	Z	-2.811	-2.811	0	%100
57	M59	X	0	0	0	%100
58	M59	Z	-18.338	-18.338	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	M60	X	0	0	0	%100
60	M60	Z	-18.338	-18.338	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	-3.573	-3.573	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	-14.29	-14.29	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-3.573	-3.573	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	7.345	7.345	0	%100
2	M6A	Z	-12.721	-12.721	0	%100
3	M7A	X	7.345	7.345	0	%100
4	M7A	Z	-12.721	-12.721	0	%100
5	M73	X	2.075	2.075	0	%100
6	M73	Z	-3.594	-3.594	0	%100
7	M74	X	8.321	8.321	0	%100
8	M74	Z	-14.412	-14.412	0	%100
9	MP4A	X	4.652	4.652	0	%100
10	MP4A	Z	-8.057	-8.057	0	%100
11	MP3A	X	4.652	4.652	0	%100
12	MP3A	Z	-8.057	-8.057	0	%100
13	MP2A	X	4.652	4.652	0	%100
14	MP2A	Z	-8.057	-8.057	0	%100
15	MP1A	X	4.652	4.652	0	%100
16	MP1A	Z	-8.057	-8.057	0	%100
17	M15	X	1.488	1.488	0	%100
18	M15	Z	-2.578	-2.578	0	%100
19	M16	X	7.344	7.344	0	%100
20	M16	Z	-12.721	-12.721	0	%100
21	M17	X	7.342	7.342	0	%100
22	M17	Z	-12.716	-12.716	0	%100
23	M19A	X	2.075	2.075	0	%100
24	M19A	Z	-3.594	-3.594	0	%100
25	MP4B	X	4.652	4.652	0	%100
26	MP4B	Z	-8.057	-8.057	0	%100
27	MP3B	X	4.652	4.652	0	%100
28	MP3B	Z	-8.057	-8.057	0	%100
29	MP2B	X	4.652	4.652	0	%100
30	MP2B	Z	-8.057	-8.057	0	%100
31	MP1B	X	4.652	4.652	0	%100
32	MP1B	Z	-8.057	-8.057	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	MP4C	X	4.652	4.652	0	%100
38	MP4C	Z	-8.057	-8.057	0	%100
39	MP3C	X	4.652	4.652	0	%100
40	MP3C	Z	-8.057	-8.057	0	%100
41	MP2C	X	4.652	4.652	0	%100
42	MP2C	Z	-8.057	-8.057	0	%100
43	MP1C	X	4.652	4.652	0	%100
44	MP1C	Z	-8.057	-8.057	0	%100
45	M46	X	8.996	8.996	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M46	Z	-15.581	-15.581	0	%100
47	M42A	X	1.488	1.488	0	%100
48	M42A	Z	-2.578	-2.578	0	%100
49	M45	X	5.954	5.954	0	%100
50	M45	Z	-10.312	-10.312	0	%100
51	M49	X	4.221	4.221	0	%100
52	M49	Z	-7.311	-7.311	0	%100
53	M57A	X	4.225	4.225	0	%100
54	M57A	Z	-7.318	-7.318	0	%100
55	M58A	X	1e-6	1e-6	0	%100
56	M58A	Z	-2e-6	-2e-6	0	%100
57	M59	X	9	9	0	%100
58	M59	Z	-15.588	-15.588	0	%100
59	M60	X	9.255	9.255	0	%100
60	M60	Z	-16.03	-16.03	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	5.359	5.359	0	%100
64	M68	Z	-9.282	-9.282	0	%100
65	M69	X	5.359	5.359	0	%100
66	M69	Z	-9.282	-9.282	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	4.24	4.24	0	%100
2	M6A	Z	-2.448	-2.448	0	%100
3	M7A	X	4.24	4.24	0	%100
4	M7A	Z	-2.448	-2.448	0	%100
5	M73	X	7e-6	7e-6	0	%100
6	M73	Z	-4e-6	-4e-6	0	%100
7	M74	X	10.818	10.818	0	%100
8	M74	Z	-6.246	-6.246	0	%100
9	MP4A	X	8.057	8.057	0	%100
10	MP4A	Z	-4.652	-4.652	0	%100
11	MP3A	X	8.057	8.057	0	%100
12	MP3A	Z	-4.652	-4.652	0	%100
13	MP2A	X	8.057	8.057	0	%100
14	MP2A	Z	-4.652	-4.652	0	%100
15	MP1A	X	8.057	8.057	0	%100
16	MP1A	Z	-4.652	-4.652	0	%100
17	M15	X	7.734	7.734	0	%100
18	M15	Z	-4.465	-4.465	0	%100
19	M16	X	16.962	16.962	0	%100
20	M16	Z	-9.793	-9.793	0	%100
21	M17	X	16.962	16.962	0	%100
22	M17	Z	-9.793	-9.793	0	%100
23	M19A	X	10.8	10.8	0	%100
24	M19A	Z	-6.235	-6.235	0	%100
25	MP4B	X	8.057	8.057	0	%100
26	MP4B	Z	-4.652	-4.652	0	%100
27	MP3B	X	8.057	8.057	0	%100
28	MP3B	Z	-4.652	-4.652	0	%100
29	MP2B	X	8.057	8.057	0	%100
30	MP2B	Z	-4.652	-4.652	0	%100
31	MP1B	X	8.057	8.057	0	%100
32	MP1B	Z	-4.652	-4.652	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M31	X	4.24	4.24	0	%100
34	M31	Z	-2.448	-2.448	0	%100
35	M32	X	4.24	4.24	0	%100
36	M32	Z	-2.448	-2.448	0	%100
37	MP4C	X	8.057	8.057	0	%100
38	MP4C	Z	-4.652	-4.652	0	%100
39	MP3C	X	8.057	8.057	0	%100
40	MP3C	Z	-4.652	-4.652	0	%100
41	MP2C	X	8.057	8.057	0	%100
42	MP2C	Z	-4.652	-4.652	0	%100
43	MP1C	X	8.057	8.057	0	%100
44	MP1C	Z	-4.652	-4.652	0	%100
45	M46	X	15.881	15.881	0	%100
46	M46	Z	-9.169	-9.169	0	%100
47	M42A	X	0	0	0	%100
48	M42A	Z	0	0	0	%100
49	M45	X	7.734	7.734	0	%100
50	M45	Z	-4.465	-4.465	0	%100
51	M49	X	2.435	2.435	0	%100
52	M49	Z	-1.406	-1.406	0	%100
53	M57A	X	9.753	9.753	0	%100
54	M57A	Z	-5.631	-5.631	0	%100
55	M58A	X	2.442	2.442	0	%100
56	M58A	Z	-1.41	-1.41	0	%100
57	M59	X	15.441	15.441	0	%100
58	M59	Z	-8.915	-8.915	0	%100
59	M60	X	15.881	15.881	0	%100
60	M60	Z	-9.169	-9.169	0	%100
61	M67	X	3.094	3.094	0	%100
62	M67	Z	-1.786	-1.786	0	%100
63	M68	X	3.094	3.094	0	%100
64	M68	Z	-1.786	-1.786	0	%100
65	M69	X	12.376	12.376	0	%100
66	M69	Z	-7.145	-7.145	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	0	0	0	%100
2	M6A	Z	0	0	0	%100
3	M7A	X	0	0	0	%100
4	M7A	Z	0	0	0	%100
5	M73	X	4.171	4.171	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	4.171	4.171	0	%100
8	M74	Z	0	0	0	%100
9	MP4A	X	9.303	9.303	0	%100
10	MP4A	Z	0	0	0	%100
11	MP3A	X	9.303	9.303	0	%100
12	MP3A	Z	0	0	0	%100
13	MP2A	X	9.303	9.303	0	%100
14	MP2A	Z	0	0	0	%100
15	MP1A	X	9.303	9.303	0	%100
16	MP1A	Z	0	0	0	%100
17	M15	X	11.908	11.908	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	14.69	14.69	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
20	M16	Z	0	0	0	%100
21	M17	X	14.696	14.696	0	%100
22	M17	Z	0	0	0	%100
23	M19A	X	16.642	16.642	0	%100
24	M19A	Z	0	0	0	%100
25	MP4B	X	9.303	9.303	0	%100
26	MP4B	Z	0	0	0	%100
27	MP3B	X	9.303	9.303	0	%100
28	MP3B	Z	0	0	0	%100
29	MP2B	X	9.303	9.303	0	%100
30	MP2B	Z	0	0	0	%100
31	MP1B	X	9.303	9.303	0	%100
32	MP1B	Z	0	0	0	%100
33	M31	X	14.689	14.689	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	14.689	14.689	0	%100
36	M32	Z	0	0	0	%100
37	MP4C	X	9.303	9.303	0	%100
38	MP4C	Z	0	0	0	%100
39	MP3C	X	9.303	9.303	0	%100
40	MP3C	Z	0	0	0	%100
41	MP2C	X	9.303	9.303	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1C	X	9.303	9.303	0	%100
44	MP1C	Z	0	0	0	%100
45	M46	X	18.51	18.51	0	%100
46	M46	Z	0	0	0	%100
47	M42A	X	2.977	2.977	0	%100
48	M42A	Z	0	0	0	%100
49	M45	X	2.977	2.977	0	%100
50	M45	Z	0	0	0	%100
51	M49	X	2e-6	2e-6	0	%100
52	M49	Z	0	0	0	%100
53	M57A	X	8.442	8.442	0	%100
54	M57A	Z	0	0	0	%100
55	M58A	X	8.451	8.451	0	%100
56	M58A	Z	0	0	0	%100
57	M59	X	18	18	0	%100
58	M59	Z	0	0	0	%100
59	M60	X	17.993	17.993	0	%100
60	M60	Z	0	0	0	%100
61	M67	X	10.718	10.718	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	10.718	10.718	0	%100
66	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	4.24	4.24	0	%100
2	M6A	Z	2.448	2.448	0	%100
3	M7A	X	4.24	4.24	0	%100
4	M7A	Z	2.448	2.448	0	%100
5	M73	X	10.818	10.818	0	%100
6	M73	Z	6.246	6.246	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M74	X	7e-6	7e-6	0	%100
8	M74	Z	4e-6	4e-6	0	%100
9	MP4A	X	8.057	8.057	0	%100
10	MP4A	Z	4.652	4.652	0	%100
11	MP3A	X	8.057	8.057	0	%100
12	MP3A	Z	4.652	4.652	0	%100
13	MP2A	X	8.057	8.057	0	%100
14	MP2A	Z	4.652	4.652	0	%100
15	MP1A	X	8.057	8.057	0	%100
16	MP1A	Z	4.652	4.652	0	%100
17	M15	X	7.734	7.734	0	%100
18	M15	Z	4.465	4.465	0	%100
19	M16	X	4.241	4.241	0	%100
20	M16	Z	2.449	2.449	0	%100
21	M17	X	4.246	4.246	0	%100
22	M17	Z	2.451	2.451	0	%100
23	M19A	X	10.818	10.818	0	%100
24	M19A	Z	6.246	6.246	0	%100
25	MP4B	X	8.057	8.057	0	%100
26	MP4B	Z	4.652	4.652	0	%100
27	MP3B	X	8.057	8.057	0	%100
28	MP3B	Z	4.652	4.652	0	%100
29	MP2B	X	8.057	8.057	0	%100
30	MP2B	Z	4.652	4.652	0	%100
31	MP1B	X	8.057	8.057	0	%100
32	MP1B	Z	4.652	4.652	0	%100
33	M31	X	16.962	16.962	0	%100
34	M31	Z	9.793	9.793	0	%100
35	M32	X	16.962	16.962	0	%100
36	M32	Z	9.793	9.793	0	%100
37	MP4C	X	8.057	8.057	0	%100
38	MP4C	Z	4.652	4.652	0	%100
39	MP3C	X	8.057	8.057	0	%100
40	MP3C	Z	4.652	4.652	0	%100
41	MP2C	X	8.057	8.057	0	%100
42	MP2C	Z	4.652	4.652	0	%100
43	MP1C	X	8.057	8.057	0	%100
44	MP1C	Z	4.652	4.652	0	%100
45	M46	X	15.881	15.881	0	%100
46	M46	Z	9.169	9.169	0	%100
47	M42A	X	7.734	7.734	0	%100
48	M42A	Z	4.465	4.465	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M49	X	2.442	2.442	0	%100
52	M49	Z	1.41	1.41	0	%100
53	M57A	X	2.435	2.435	0	%100
54	M57A	Z	1.406	1.406	0	%100
55	M58A	X	9.753	9.753	0	%100
56	M58A	Z	5.631	5.631	0	%100
57	M59	X	15.882	15.882	0	%100
58	M59	Z	9.169	9.169	0	%100
59	M60	X	15.433	15.433	0	%100
60	M60	Z	8.91	8.91	0	%100
61	M67	X	12.376	12.376	0	%100
62	M67	Z	7.145	7.145	0	%100
63	M68	X	3.094	3.094	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M68	Z	1.786	1.786	0	%100
65	M69	X	3.094	3.094	0	%100
66	M69	Z	1.786	1.786	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	7.345	7.345	0	%100
2	M6A	Z	12.721	12.721	0	%100
3	M7A	X	7.345	7.345	0	%100
4	M7A	Z	12.721	12.721	0	%100
5	M73	X	8.321	8.321	0	%100
6	M73	Z	14.412	14.412	0	%100
7	M74	X	2.075	2.075	0	%100
8	M74	Z	3.594	3.594	0	%100
9	MP4A	X	4.652	4.652	0	%100
10	MP4A	Z	8.057	8.057	0	%100
11	MP3A	X	4.652	4.652	0	%100
12	MP3A	Z	8.057	8.057	0	%100
13	MP2A	X	4.652	4.652	0	%100
14	MP2A	Z	8.057	8.057	0	%100
15	MP1A	X	4.652	4.652	0	%100
16	MP1A	Z	8.057	8.057	0	%100
17	M15	X	1.488	1.488	0	%100
18	M15	Z	2.578	2.578	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	1e-6	1e-6	0	%100
22	M17	Z	2e-6	2e-6	0	%100
23	M19A	X	2.085	2.085	0	%100
24	M19A	Z	3.612	3.612	0	%100
25	MP4B	X	4.652	4.652	0	%100
26	MP4B	Z	8.057	8.057	0	%100
27	MP3B	X	4.652	4.652	0	%100
28	MP3B	Z	8.057	8.057	0	%100
29	MP2B	X	4.652	4.652	0	%100
30	MP2B	Z	8.057	8.057	0	%100
31	MP1B	X	4.652	4.652	0	%100
32	MP1B	Z	8.057	8.057	0	%100
33	M31	X	7.345	7.345	0	%100
34	M31	Z	12.721	12.721	0	%100
35	M32	X	7.345	7.345	0	%100
36	M32	Z	12.721	12.721	0	%100
37	MP4C	X	4.652	4.652	0	%100
38	MP4C	Z	8.057	8.057	0	%100
39	MP3C	X	4.652	4.652	0	%100
40	MP3C	Z	8.057	8.057	0	%100
41	MP2C	X	4.652	4.652	0	%100
42	MP2C	Z	8.057	8.057	0	%100
43	MP1C	X	4.652	4.652	0	%100
44	MP1C	Z	8.057	8.057	0	%100
45	M46	X	8.996	8.996	0	%100
46	M46	Z	15.581	15.581	0	%100
47	M42A	X	5.954	5.954	0	%100
48	M42A	Z	10.312	10.312	0	%100
49	M45	X	1.488	1.488	0	%100
50	M45	Z	2.578	2.578	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
51	M49	X	4.225	4.225	0	%100
52	M49	Z	7.318	7.318	0	%100
53	M57A	X	1e-6	1e-6	0	%100
54	M57A	Z	2e-6	2e-6	0	%100
55	M58A	X	4.221	4.221	0	%100
56	M58A	Z	7.311	7.311	0	%100
57	M59	X	9.254	9.254	0	%100
58	M59	Z	16.028	16.028	0	%100
59	M60	X	8.996	8.996	0	%100
60	M60	Z	15.582	15.582	0	%100
61	M67	X	5.359	5.359	0	%100
62	M67	Z	9.282	9.282	0	%100
63	M68	X	5.359	5.359	0	%100
64	M68	Z	9.282	9.282	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	0	0	0	%100
2	M6A	Z	19.586	19.586	0	%100
3	M7A	X	0	0	0	%100
4	M7A	Z	19.586	19.586	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	12.471	12.471	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	12.471	12.471	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	9.303	9.303	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	9.303	9.303	0	%100
13	MP2A	X	0	0	0	%100
14	MP2A	Z	9.303	9.303	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	9.303	9.303	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	4.896	4.896	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	4.89	4.89	0	%100
23	M19A	X	0	0	0	%100
24	M19A	Z	9e-6	9e-6	0	%100
25	MP4B	X	0	0	0	%100
26	MP4B	Z	9.303	9.303	0	%100
27	MP3B	X	0	0	0	%100
28	MP3B	Z	9.303	9.303	0	%100
29	MP2B	X	0	0	0	%100
30	MP2B	Z	9.303	9.303	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	9.303	9.303	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	4.896	4.896	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	4.896	4.896	0	%100
37	MP4C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
38	MP4C	Z	9.303	9.303	0	%100
39	MP3C	X	0	0	0	%100
40	MP3C	Z	9.303	9.303	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	9.303	9.303	0	%100
43	MP1C	X	0	0	0	%100
44	MP1C	Z	9.303	9.303	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	17.819	17.819	0	%100
47	M42A	X	0	0	0	%100
48	M42A	Z	8.931	8.931	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	8.931	8.931	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	11.262	11.262	0	%100
53	M57A	X	0	0	0	%100
54	M57A	Z	2.82	2.82	0	%100
55	M58A	X	0	0	0	%100
56	M58A	Z	2.811	2.811	0	%100
57	M59	X	0	0	0	%100
58	M59	Z	18.338	18.338	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	18.338	18.338	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	3.573	3.573	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	14.29	14.29	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	3.573	3.573	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	-7.345	-7.345	0	%100
2	M6A	Z	12.721	12.721	0	%100
3	M7A	X	-7.345	-7.345	0	%100
4	M7A	Z	12.721	12.721	0	%100
5	M73	X	-2.075	-2.075	0	%100
6	M73	Z	3.594	3.594	0	%100
7	M74	X	-8.321	-8.321	0	%100
8	M74	Z	14.412	14.412	0	%100
9	MP4A	X	-4.652	-4.652	0	%100
10	MP4A	Z	8.057	8.057	0	%100
11	MP3A	X	-4.652	-4.652	0	%100
12	MP3A	Z	8.057	8.057	0	%100
13	MP2A	X	-4.652	-4.652	0	%100
14	MP2A	Z	8.057	8.057	0	%100
15	MP1A	X	-4.652	-4.652	0	%100
16	MP1A	Z	8.057	8.057	0	%100
17	M15	X	-1.488	-1.488	0	%100
18	M15	Z	2.578	2.578	0	%100
19	M16	X	-7.344	-7.344	0	%100
20	M16	Z	12.721	12.721	0	%100
21	M17	X	-7.342	-7.342	0	%100
22	M17	Z	12.716	12.716	0	%100
23	M19A	X	-2.075	-2.075	0	%100
24	M19A	Z	3.594	3.594	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	MP4B	X	-4.652	-4.652	0	%100
26	MP4B	Z	8.057	8.057	0	%100
27	MP3B	X	-4.652	-4.652	0	%100
28	MP3B	Z	8.057	8.057	0	%100
29	MP2B	X	-4.652	-4.652	0	%100
30	MP2B	Z	8.057	8.057	0	%100
31	MP1B	X	-4.652	-4.652	0	%100
32	MP1B	Z	8.057	8.057	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	MP4C	X	-4.652	-4.652	0	%100
38	MP4C	Z	8.057	8.057	0	%100
39	MP3C	X	-4.652	-4.652	0	%100
40	MP3C	Z	8.057	8.057	0	%100
41	MP2C	X	-4.652	-4.652	0	%100
42	MP2C	Z	8.057	8.057	0	%100
43	MP1C	X	-4.652	-4.652	0	%100
44	MP1C	Z	8.057	8.057	0	%100
45	M46	X	-8.996	-8.996	0	%100
46	M46	Z	15.581	15.581	0	%100
47	M42A	X	-1.488	-1.488	0	%100
48	M42A	Z	2.578	2.578	0	%100
49	M45	X	-5.954	-5.954	0	%100
50	M45	Z	10.312	10.312	0	%100
51	M49	X	-4.221	-4.221	0	%100
52	M49	Z	7.311	7.311	0	%100
53	M57A	X	-4.225	-4.225	0	%100
54	M57A	Z	7.318	7.318	0	%100
55	M58A	X	-1e-6	-1e-6	0	%100
56	M58A	Z	2e-6	2e-6	0	%100
57	M59	X	-9	-9	0	%100
58	M59	Z	15.588	15.588	0	%100
59	M60	X	-9.255	-9.255	0	%100
60	M60	Z	16.03	16.03	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	-5.359	-5.359	0	%100
64	M68	Z	9.282	9.282	0	%100
65	M69	X	-5.359	-5.359	0	%100
66	M69	Z	9.282	9.282	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	-4.24	-4.24	0	%100
2	M6A	Z	2.448	2.448	0	%100
3	M7A	X	-4.24	-4.24	0	%100
4	M7A	Z	2.448	2.448	0	%100
5	M73	X	-7e-6	-7e-6	0	%100
6	M73	Z	4e-6	4e-6	0	%100
7	M74	X	-10.818	-10.818	0	%100
8	M74	Z	6.246	6.246	0	%100
9	MP4A	X	-8.057	-8.057	0	%100
10	MP4A	Z	4.652	4.652	0	%100
11	MP3A	X	-8.057	-8.057	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	MP3A	Z	4.652	4.652	0	%100
13	MP2A	X	-8.057	-8.057	0	%100
14	MP2A	Z	4.652	4.652	0	%100
15	MP1A	X	-8.057	-8.057	0	%100
16	MP1A	Z	4.652	4.652	0	%100
17	M15	X	-7.734	-7.734	0	%100
18	M15	Z	4.465	4.465	0	%100
19	M16	X	-16.962	-16.962	0	%100
20	M16	Z	9.793	9.793	0	%100
21	M17	X	-16.962	-16.962	0	%100
22	M17	Z	9.793	9.793	0	%100
23	M19A	X	-10.8	-10.8	0	%100
24	M19A	Z	6.235	6.235	0	%100
25	MP4B	X	-8.057	-8.057	0	%100
26	MP4B	Z	4.652	4.652	0	%100
27	MP3B	X	-8.057	-8.057	0	%100
28	MP3B	Z	4.652	4.652	0	%100
29	MP2B	X	-8.057	-8.057	0	%100
30	MP2B	Z	4.652	4.652	0	%100
31	MP1B	X	-8.057	-8.057	0	%100
32	MP1B	Z	4.652	4.652	0	%100
33	M31	X	-4.24	-4.24	0	%100
34	M31	Z	2.448	2.448	0	%100
35	M32	X	-4.24	-4.24	0	%100
36	M32	Z	2.448	2.448	0	%100
37	MP4C	X	-8.057	-8.057	0	%100
38	MP4C	Z	4.652	4.652	0	%100
39	MP3C	X	-8.057	-8.057	0	%100
40	MP3C	Z	4.652	4.652	0	%100
41	MP2C	X	-8.057	-8.057	0	%100
42	MP2C	Z	4.652	4.652	0	%100
43	MP1C	X	-8.057	-8.057	0	%100
44	MP1C	Z	4.652	4.652	0	%100
45	M46	X	-15.881	-15.881	0	%100
46	M46	Z	9.169	9.169	0	%100
47	M42A	X	0	0	0	%100
48	M42A	Z	0	0	0	%100
49	M45	X	-7.734	-7.734	0	%100
50	M45	Z	4.465	4.465	0	%100
51	M49	X	-2.435	-2.435	0	%100
52	M49	Z	1.406	1.406	0	%100
53	M57A	X	-9.753	-9.753	0	%100
54	M57A	Z	5.631	5.631	0	%100
55	M58A	X	-2.442	-2.442	0	%100
56	M58A	Z	1.41	1.41	0	%100
57	M59	X	-15.441	-15.441	0	%100
58	M59	Z	8.915	8.915	0	%100
59	M60	X	-15.881	-15.881	0	%100
60	M60	Z	9.169	9.169	0	%100
61	M67	X	-3.094	-3.094	0	%100
62	M67	Z	1.786	1.786	0	%100
63	M68	X	-3.094	-3.094	0	%100
64	M68	Z	1.786	1.786	0	%100
65	M69	X	-12.376	-12.376	0	%100
66	M69	Z	7.145	7.145	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	0	0	0	%100
2	M6A	Z	0	0	0	%100
3	M7A	X	0	0	0	%100
4	M7A	Z	0	0	0	%100
5	M73	X	-4.171	-4.171	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	-4.171	-4.171	0	%100
8	M74	Z	0	0	0	%100
9	MP4A	X	-9.303	-9.303	0	%100
10	MP4A	Z	0	0	0	%100
11	MP3A	X	-9.303	-9.303	0	%100
12	MP3A	Z	0	0	0	%100
13	MP2A	X	-9.303	-9.303	0	%100
14	MP2A	Z	0	0	0	%100
15	MP1A	X	-9.303	-9.303	0	%100
16	MP1A	Z	0	0	0	%100
17	M15	X	-11.908	-11.908	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	-14.69	-14.69	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	-14.696	-14.696	0	%100
22	M17	Z	0	0	0	%100
23	M19A	X	-16.642	-16.642	0	%100
24	M19A	Z	0	0	0	%100
25	MP4B	X	-9.303	-9.303	0	%100
26	MP4B	Z	0	0	0	%100
27	MP3B	X	-9.303	-9.303	0	%100
28	MP3B	Z	0	0	0	%100
29	MP2B	X	-9.303	-9.303	0	%100
30	MP2B	Z	0	0	0	%100
31	MP1B	X	-9.303	-9.303	0	%100
32	MP1B	Z	0	0	0	%100
33	M31	X	-14.689	-14.689	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-14.689	-14.689	0	%100
36	M32	Z	0	0	0	%100
37	MP4C	X	-9.303	-9.303	0	%100
38	MP4C	Z	0	0	0	%100
39	MP3C	X	-9.303	-9.303	0	%100
40	MP3C	Z	0	0	0	%100
41	MP2C	X	-9.303	-9.303	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1C	X	-9.303	-9.303	0	%100
44	MP1C	Z	0	0	0	%100
45	M46	X	-18.51	-18.51	0	%100
46	M46	Z	0	0	0	%100
47	M42A	X	-2.977	-2.977	0	%100
48	M42A	Z	0	0	0	%100
49	M45	X	-2.977	-2.977	0	%100
50	M45	Z	0	0	0	%100
51	M49	X	-2e-6	-2e-6	0	%100
52	M49	Z	0	0	0	%100
53	M57A	X	-8.442	-8.442	0	%100
54	M57A	Z	0	0	0	%100
55	M58A	X	-8.451	-8.451	0	%100
56	M58A	Z	0	0	0	%100
57	M59	X	-18	-18	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M59	Z	0	0	0	%100
59	M60	X	-17.993	-17.993	0	%100
60	M60	Z	0	0	0	%100
61	M67	X	-10.718	-10.718	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	-10.718	-10.718	0	%100
66	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	-4.24	-4.24	0	%100
2	M6A	Z	-2.448	-2.448	0	%100
3	M7A	X	-4.24	-4.24	0	%100
4	M7A	Z	-2.448	-2.448	0	%100
5	M73	X	-10.818	-10.818	0	%100
6	M73	Z	-6.246	-6.246	0	%100
7	M74	X	-7e-6	-7e-6	0	%100
8	M74	Z	-4e-6	-4e-6	0	%100
9	MP4A	X	-8.057	-8.057	0	%100
10	MP4A	Z	-4.652	-4.652	0	%100
11	MP3A	X	-8.057	-8.057	0	%100
12	MP3A	Z	-4.652	-4.652	0	%100
13	MP2A	X	-8.057	-8.057	0	%100
14	MP2A	Z	-4.652	-4.652	0	%100
15	MP1A	X	-8.057	-8.057	0	%100
16	MP1A	Z	-4.652	-4.652	0	%100
17	M15	X	-7.734	-7.734	0	%100
18	M15	Z	-4.465	-4.465	0	%100
19	M16	X	-4.241	-4.241	0	%100
20	M16	Z	-2.449	-2.449	0	%100
21	M17	X	-4.246	-4.246	0	%100
22	M17	Z	-2.451	-2.451	0	%100
23	M19A	X	-10.818	-10.818	0	%100
24	M19A	Z	-6.246	-6.246	0	%100
25	MP4B	X	-8.057	-8.057	0	%100
26	MP4B	Z	-4.652	-4.652	0	%100
27	MP3B	X	-8.057	-8.057	0	%100
28	MP3B	Z	-4.652	-4.652	0	%100
29	MP2B	X	-8.057	-8.057	0	%100
30	MP2B	Z	-4.652	-4.652	0	%100
31	MP1B	X	-8.057	-8.057	0	%100
32	MP1B	Z	-4.652	-4.652	0	%100
33	M31	X	-16.962	-16.962	0	%100
34	M31	Z	-9.793	-9.793	0	%100
35	M32	X	-16.962	-16.962	0	%100
36	M32	Z	-9.793	-9.793	0	%100
37	MP4C	X	-8.057	-8.057	0	%100
38	MP4C	Z	-4.652	-4.652	0	%100
39	MP3C	X	-8.057	-8.057	0	%100
40	MP3C	Z	-4.652	-4.652	0	%100
41	MP2C	X	-8.057	-8.057	0	%100
42	MP2C	Z	-4.652	-4.652	0	%100
43	MP1C	X	-8.057	-8.057	0	%100
44	MP1C	Z	-4.652	-4.652	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M46	X	-15.881	-15.881	0	%100
46	M46	Z	-9.169	-9.169	0	%100
47	M42A	X	-7.734	-7.734	0	%100
48	M42A	Z	-4.465	-4.465	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M49	X	-2.442	-2.442	0	%100
52	M49	Z	-1.41	-1.41	0	%100
53	M57A	X	-2.435	-2.435	0	%100
54	M57A	Z	-1.406	-1.406	0	%100
55	M58A	X	-9.753	-9.753	0	%100
56	M58A	Z	-5.631	-5.631	0	%100
57	M59	X	-15.882	-15.882	0	%100
58	M59	Z	-9.169	-9.169	0	%100
59	M60	X	-15.433	-15.433	0	%100
60	M60	Z	-8.91	-8.91	0	%100
61	M67	X	-12.376	-12.376	0	%100
62	M67	Z	-7.145	-7.145	0	%100
63	M68	X	-3.094	-3.094	0	%100
64	M68	Z	-1.786	-1.786	0	%100
65	M69	X	-3.094	-3.094	0	%100
66	M69	Z	-1.786	-1.786	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	-7.345	-7.345	0	%100
2	M6A	Z	-12.721	-12.721	0	%100
3	M7A	X	-7.345	-7.345	0	%100
4	M7A	Z	-12.721	-12.721	0	%100
5	M73	X	-8.321	-8.321	0	%100
6	M73	Z	-14.412	-14.412	0	%100
7	M74	X	-2.075	-2.075	0	%100
8	M74	Z	-3.594	-3.594	0	%100
9	MP4A	X	-4.652	-4.652	0	%100
10	MP4A	Z	-8.057	-8.057	0	%100
11	MP3A	X	-4.652	-4.652	0	%100
12	MP3A	Z	-8.057	-8.057	0	%100
13	MP2A	X	-4.652	-4.652	0	%100
14	MP2A	Z	-8.057	-8.057	0	%100
15	MP1A	X	-4.652	-4.652	0	%100
16	MP1A	Z	-8.057	-8.057	0	%100
17	M15	X	-1.488	-1.488	0	%100
18	M15	Z	-2.578	-2.578	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	-1e-6	-1e-6	0	%100
22	M17	Z	-2e-6	-2e-6	0	%100
23	M19A	X	-2.085	-2.085	0	%100
24	M19A	Z	-3.612	-3.612	0	%100
25	MP4B	X	-4.652	-4.652	0	%100
26	MP4B	Z	-8.057	-8.057	0	%100
27	MP3B	X	-4.652	-4.652	0	%100
28	MP3B	Z	-8.057	-8.057	0	%100
29	MP2B	X	-4.652	-4.652	0	%100
30	MP2B	Z	-8.057	-8.057	0	%100
31	MP1B	X	-4.652	-4.652	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
32	MP1B	Z	-8.057	-8.057	0	%100
33	M31	X	-7.345	-7.345	0	%100
34	M31	Z	-12.721	-12.721	0	%100
35	M32	X	-7.345	-7.345	0	%100
36	M32	Z	-12.721	-12.721	0	%100
37	MP4C	X	-4.652	-4.652	0	%100
38	MP4C	Z	-8.057	-8.057	0	%100
39	MP3C	X	-4.652	-4.652	0	%100
40	MP3C	Z	-8.057	-8.057	0	%100
41	MP2C	X	-4.652	-4.652	0	%100
42	MP2C	Z	-8.057	-8.057	0	%100
43	MP1C	X	-4.652	-4.652	0	%100
44	MP1C	Z	-8.057	-8.057	0	%100
45	M46	X	-8.996	-8.996	0	%100
46	M46	Z	-15.581	-15.581	0	%100
47	M42A	X	-5.954	-5.954	0	%100
48	M42A	Z	-10.312	-10.312	0	%100
49	M45	X	-1.488	-1.488	0	%100
50	M45	Z	-2.578	-2.578	0	%100
51	M49	X	-4.225	-4.225	0	%100
52	M49	Z	-7.318	-7.318	0	%100
53	M57A	X	-1e-6	-1e-6	0	%100
54	M57A	Z	-2e-6	-2e-6	0	%100
55	M58A	X	-4.221	-4.221	0	%100
56	M58A	Z	-7.311	-7.311	0	%100
57	M59	X	-9.254	-9.254	0	%100
58	M59	Z	-16.028	-16.028	0	%100
59	M60	X	-8.996	-8.996	0	%100
60	M60	Z	-15.582	-15.582	0	%100
61	M67	X	-5.359	-5.359	0	%100
62	M67	Z	-9.282	-9.282	0	%100
63	M68	X	-5.359	-5.359	0	%100
64	M68	Z	-9.282	-9.282	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	0	0	0	%100
2	M6A	Z	-5.895	-5.895	0	%100
3	M7A	X	0	0	0	%100
4	M7A	Z	-5.895	-5.895	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	-3.664	-3.664	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	-3.664	-3.664	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-3.886	-3.886	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	-3.886	-3.886	0	%100
13	MP2A	X	0	0	0	%100
14	MP2A	Z	-3.886	-3.886	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-3.886	-3.886	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M16	X	0	0	0	%100
20	M16	Z	-1.474	-1.474	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	-1.472	-1.472	0	%100
23	M19A	X	0	0	0	%100
24	M19A	Z	-3e-6	-3e-6	0	%100
25	MP4B	X	0	0	0	%100
26	MP4B	Z	-3.886	-3.886	0	%100
27	MP3B	X	0	0	0	%100
28	MP3B	Z	-3.886	-3.886	0	%100
29	MP2B	X	0	0	0	%100
30	MP2B	Z	-3.886	-3.886	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	-3.886	-3.886	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-1.474	-1.474	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-1.474	-1.474	0	%100
37	MP4C	X	0	0	0	%100
38	MP4C	Z	-3.886	-3.886	0	%100
39	MP3C	X	0	0	0	%100
40	MP3C	Z	-3.886	-3.886	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-3.886	-3.886	0	%100
43	MP1C	X	0	0	0	%100
44	MP1C	Z	-3.886	-3.886	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-4.354	-4.354	0	%100
47	M42A	X	0	0	0	%100
48	M42A	Z	-2.859	-2.859	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-2.859	-2.859	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	-4.401	-4.401	0	%100
53	M57A	X	0	0	0	%100
54	M57A	Z	-1.102	-1.102	0	%100
55	M58A	X	0	0	0	%100
56	M58A	Z	-1.099	-1.099	0	%100
57	M59	X	0	0	0	%100
58	M59	Z	-5.175	-5.175	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	-5.175	-5.175	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	-1.047	-1.047	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	-4.186	-4.186	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-1.047	-1.047	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	2.211	2.211	0	%100
2	M6A	Z	-3.829	-3.829	0	%100
3	M7A	X	2.211	2.211	0	%100
4	M7A	Z	-3.829	-3.829	0	%100
5	M73	X	.61	.61	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M73	Z	-1.056	-1.056	0	%100
7	M74	X	2.445	2.445	0	%100
8	M74	Z	-4.235	-4.235	0	%100
9	MP4A	X	1.943	1.943	0	%100
10	MP4A	Z	-3.365	-3.365	0	%100
11	MP3A	X	1.943	1.943	0	%100
12	MP3A	Z	-3.365	-3.365	0	%100
13	MP2A	X	1.943	1.943	0	%100
14	MP2A	Z	-3.365	-3.365	0	%100
15	MP1A	X	1.943	1.943	0	%100
16	MP1A	Z	-3.365	-3.365	0	%100
17	M15	X	.477	.477	0	%100
18	M15	Z	-.825	-.825	0	%100
19	M16	X	2.211	2.211	0	%100
20	M16	Z	-3.829	-3.829	0	%100
21	M17	X	2.21	2.21	0	%100
22	M17	Z	-3.828	-3.828	0	%100
23	M19A	X	.61	.61	0	%100
24	M19A	Z	-1.056	-1.056	0	%100
25	MP4B	X	1.943	1.943	0	%100
26	MP4B	Z	-3.365	-3.365	0	%100
27	MP3B	X	1.943	1.943	0	%100
28	MP3B	Z	-3.365	-3.365	0	%100
29	MP2B	X	1.943	1.943	0	%100
30	MP2B	Z	-3.365	-3.365	0	%100
31	MP1B	X	1.943	1.943	0	%100
32	MP1B	Z	-3.365	-3.365	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	MP4C	X	1.943	1.943	0	%100
38	MP4C	Z	-3.365	-3.365	0	%100
39	MP3C	X	1.943	1.943	0	%100
40	MP3C	Z	-3.365	-3.365	0	%100
41	MP2C	X	1.943	1.943	0	%100
42	MP2C	Z	-3.365	-3.365	0	%100
43	MP1C	X	1.943	1.943	0	%100
44	MP1C	Z	-3.365	-3.365	0	%100
45	M46	X	2.314	2.314	0	%100
46	M46	Z	-4.008	-4.008	0	%100
47	M42A	X	.477	.477	0	%100
48	M42A	Z	-.825	-.825	0	%100
49	M45	X	1.906	1.906	0	%100
50	M45	Z	-3.301	-3.301	0	%100
51	M49	X	1.65	1.65	0	%100
52	M49	Z	-2.857	-2.857	0	%100
53	M57A	X	1.651	1.651	0	%100
54	M57A	Z	-2.86	-2.86	0	%100
55	M58A	X	0	0	0	%100
56	M58A	Z	-1e-6	-1e-6	0	%100
57	M59	X	2.315	2.315	0	%100
58	M59	Z	-4.009	-4.009	0	%100
59	M60	X	2.724	2.724	0	%100
60	M60	Z	-4.719	-4.719	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M68	X	1.57	1.57	0	%100
64	M68	Z	-2.719	-2.719	0	%100
65	M69	X	1.57	1.57	0	%100
66	M69	Z	-2.719	-2.719	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	1.276	1.276	0	%100
2	M6A	Z	-.737	-.737	0	%100
3	M7A	X	1.276	1.276	0	%100
4	M7A	Z	-.737	-.737	0	%100
5	M73	X	2e-6	2e-6	0	%100
6	M73	Z	-1e-6	-1e-6	0	%100
7	M74	X	3.179	3.179	0	%100
8	M74	Z	-1.835	-1.835	0	%100
9	MP4A	X	3.365	3.365	0	%100
10	MP4A	Z	-1.943	-1.943	0	%100
11	MP3A	X	3.365	3.365	0	%100
12	MP3A	Z	-1.943	-1.943	0	%100
13	MP2A	X	3.365	3.365	0	%100
14	MP2A	Z	-1.943	-1.943	0	%100
15	MP1A	X	3.365	3.365	0	%100
16	MP1A	Z	-1.943	-1.943	0	%100
17	M15	X	2.476	2.476	0	%100
18	M15	Z	-1.43	-1.43	0	%100
19	M16	X	5.106	5.106	0	%100
20	M16	Z	-2.948	-2.948	0	%100
21	M17	X	5.106	5.106	0	%100
22	M17	Z	-2.948	-2.948	0	%100
23	M19A	X	3.173	3.173	0	%100
24	M19A	Z	-1.832	-1.832	0	%100
25	MP4B	X	3.365	3.365	0	%100
26	MP4B	Z	-1.943	-1.943	0	%100
27	MP3B	X	3.365	3.365	0	%100
28	MP3B	Z	-1.943	-1.943	0	%100
29	MP2B	X	3.365	3.365	0	%100
30	MP2B	Z	-1.943	-1.943	0	%100
31	MP1B	X	3.365	3.365	0	%100
32	MP1B	Z	-1.943	-1.943	0	%100
33	M31	X	1.276	1.276	0	%100
34	M31	Z	-.737	-.737	0	%100
35	M32	X	1.276	1.276	0	%100
36	M32	Z	-.737	-.737	0	%100
37	MP4C	X	3.365	3.365	0	%100
38	MP4C	Z	-1.943	-1.943	0	%100
39	MP3C	X	3.365	3.365	0	%100
40	MP3C	Z	-1.943	-1.943	0	%100
41	MP2C	X	3.365	3.365	0	%100
42	MP2C	Z	-1.943	-1.943	0	%100
43	MP1C	X	3.365	3.365	0	%100
44	MP1C	Z	-1.943	-1.943	0	%100
45	M46	X	4.482	4.482	0	%100
46	M46	Z	-2.588	-2.588	0	%100
47	M42A	X	0	0	0	%100
48	M42A	Z	0	0	0	%100
49	M45	X	2.476	2.476	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
50	M45	Z	-1.43	-1.43	0	%100
51	M49	X	.951	.951	0	%100
52	M49	Z	-.549	-.549	0	%100
53	M57A	X	3.811	3.811	0	%100
54	M57A	Z	-2.2	-2.2	0	%100
55	M58A	X	.954	.954	0	%100
56	M58A	Z	-.551	-.551	0	%100
57	M59	X	3.773	3.773	0	%100
58	M59	Z	-2.179	-2.179	0	%100
59	M60	X	4.482	4.482	0	%100
60	M60	Z	-2.588	-2.588	0	%100
61	M67	X	.906	.906	0	%100
62	M67	Z	-.523	-.523	0	%100
63	M68	X	.906	.906	0	%100
64	M68	Z	-.523	-.523	0	%100
65	M69	X	3.625	3.625	0	%100
66	M69	Z	-2.093	-2.093	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	0	0	0	%100
2	M6A	Z	0	0	0	%100
3	M7A	X	0	0	0	%100
4	M7A	Z	0	0	0	%100
5	M73	X	1.226	1.226	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	1.226	1.226	0	%100
8	M74	Z	0	0	0	%100
9	MP4A	X	3.886	3.886	0	%100
10	MP4A	Z	0	0	0	%100
11	MP3A	X	3.886	3.886	0	%100
12	MP3A	Z	0	0	0	%100
13	MP2A	X	3.886	3.886	0	%100
14	MP2A	Z	0	0	0	%100
15	MP1A	X	3.886	3.886	0	%100
16	MP1A	Z	0	0	0	%100
17	M15	X	3.812	3.812	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	4.422	4.422	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	4.423	4.423	0	%100
22	M17	Z	0	0	0	%100
23	M19A	X	4.89	4.89	0	%100
24	M19A	Z	0	0	0	%100
25	MP4B	X	3.886	3.886	0	%100
26	MP4B	Z	0	0	0	%100
27	MP3B	X	3.886	3.886	0	%100
28	MP3B	Z	0	0	0	%100
29	MP2B	X	3.886	3.886	0	%100
30	MP2B	Z	0	0	0	%100
31	MP1B	X	3.886	3.886	0	%100
32	MP1B	Z	0	0	0	%100
33	M31	X	4.422	4.422	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	4.422	4.422	0	%100
36	M32	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP4C	X	3.886	3.886	0	%100
38	MP4C	Z	0	0	0	%100
39	MP3C	X	3.886	3.886	0	%100
40	MP3C	Z	0	0	0	%100
41	MP2C	X	3.886	3.886	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1C	X	3.886	3.886	0	%100
44	MP1C	Z	0	0	0	%100
45	M46	X	5.449	5.449	0	%100
46	M46	Z	0	0	0	%100
47	M42A	X	.953	.953	0	%100
48	M42A	Z	0	0	0	%100
49	M45	X	.953	.953	0	%100
50	M45	Z	0	0	0	%100
51	M49	X	1e-6	1e-6	0	%100
52	M49	Z	0	0	0	%100
53	M57A	X	3.299	3.299	0	%100
54	M57A	Z	0	0	0	%100
55	M58A	X	3.302	3.302	0	%100
56	M58A	Z	0	0	0	%100
57	M59	X	4.63	4.63	0	%100
58	M59	Z	0	0	0	%100
59	M60	X	4.629	4.629	0	%100
60	M60	Z	0	0	0	%100
61	M67	X	3.14	3.14	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	3.14	3.14	0	%100
66	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	1.276	1.276	0	%100
2	M6A	Z	.737	.737	0	%100
3	M7A	X	1.276	1.276	0	%100
4	M7A	Z	.737	.737	0	%100
5	M73	X	3.179	3.179	0	%100
6	M73	Z	1.835	1.835	0	%100
7	M74	X	2e-6	2e-6	0	%100
8	M74	Z	1e-6	1e-6	0	%100
9	MP4A	X	3.365	3.365	0	%100
10	MP4A	Z	1.943	1.943	0	%100
11	MP3A	X	3.365	3.365	0	%100
12	MP3A	Z	1.943	1.943	0	%100
13	MP2A	X	3.365	3.365	0	%100
14	MP2A	Z	1.943	1.943	0	%100
15	MP1A	X	3.365	3.365	0	%100
16	MP1A	Z	1.943	1.943	0	%100
17	M15	X	2.476	2.476	0	%100
18	M15	Z	1.43	1.43	0	%100
19	M16	X	1.277	1.277	0	%100
20	M16	Z	.737	.737	0	%100
21	M17	X	1.278	1.278	0	%100
22	M17	Z	.738	.738	0	%100
23	M19A	X	3.179	3.179	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	M19A	Z	1.835	1.835	0	%100
25	MP4B	X	3.365	3.365	0	%100
26	MP4B	Z	1.943	1.943	0	%100
27	MP3B	X	3.365	3.365	0	%100
28	MP3B	Z	1.943	1.943	0	%100
29	MP2B	X	3.365	3.365	0	%100
30	MP2B	Z	1.943	1.943	0	%100
31	MP1B	X	3.365	3.365	0	%100
32	MP1B	Z	1.943	1.943	0	%100
33	M31	X	5.106	5.106	0	%100
34	M31	Z	2.948	2.948	0	%100
35	M32	X	5.106	5.106	0	%100
36	M32	Z	2.948	2.948	0	%100
37	MP4C	X	3.365	3.365	0	%100
38	MP4C	Z	1.943	1.943	0	%100
39	MP3C	X	3.365	3.365	0	%100
40	MP3C	Z	1.943	1.943	0	%100
41	MP2C	X	3.365	3.365	0	%100
42	MP2C	Z	1.943	1.943	0	%100
43	MP1C	X	3.365	3.365	0	%100
44	MP1C	Z	1.943	1.943	0	%100
45	M46	X	4.482	4.482	0	%100
46	M46	Z	2.588	2.588	0	%100
47	M42A	X	2.476	2.476	0	%100
48	M42A	Z	1.43	1.43	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M49	X	.954	.954	0	%100
52	M49	Z	.551	.551	0	%100
53	M57A	X	.951	.951	0	%100
54	M57A	Z	.549	.549	0	%100
55	M58A	X	3.811	3.811	0	%100
56	M58A	Z	2.2	2.2	0	%100
57	M59	X	4.482	4.482	0	%100
58	M59	Z	2.588	2.588	0	%100
59	M60	X	3.771	3.771	0	%100
60	M60	Z	2.177	2.177	0	%100
61	M67	X	3.625	3.625	0	%100
62	M67	Z	2.093	2.093	0	%100
63	M68	X	.906	.906	0	%100
64	M68	Z	.523	.523	0	%100
65	M69	X	.906	.906	0	%100
66	M69	Z	.523	.523	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	2.211	2.211	0	%100
2	M6A	Z	3.829	3.829	0	%100
3	M7A	X	2.211	2.211	0	%100
4	M7A	Z	3.829	3.829	0	%100
5	M73	X	2.445	2.445	0	%100
6	M73	Z	4.235	4.235	0	%100
7	M74	X	.61	.61	0	%100
8	M74	Z	1.056	1.056	0	%100
9	MP4A	X	1.943	1.943	0	%100
10	MP4A	Z	3.365	3.365	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	MP3A	X	1.943	1.943	0	%100
12	MP3A	Z	3.365	3.365	0	%100
13	MP2A	X	1.943	1.943	0	%100
14	MP2A	Z	3.365	3.365	0	%100
15	MP1A	X	1.943	1.943	0	%100
16	MP1A	Z	3.365	3.365	0	%100
17	M15	X	.477	.477	0	%100
18	M15	Z	.825	.825	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	1e-6	1e-6	0	%100
23	M19A	X	.613	.613	0	%100
24	M19A	Z	1.061	1.061	0	%100
25	MP4B	X	1.943	1.943	0	%100
26	MP4B	Z	3.365	3.365	0	%100
27	MP3B	X	1.943	1.943	0	%100
28	MP3B	Z	3.365	3.365	0	%100
29	MP2B	X	1.943	1.943	0	%100
30	MP2B	Z	3.365	3.365	0	%100
31	MP1B	X	1.943	1.943	0	%100
32	MP1B	Z	3.365	3.365	0	%100
33	M31	X	2.211	2.211	0	%100
34	M31	Z	3.829	3.829	0	%100
35	M32	X	2.211	2.211	0	%100
36	M32	Z	3.829	3.829	0	%100
37	MP4C	X	1.943	1.943	0	%100
38	MP4C	Z	3.365	3.365	0	%100
39	MP3C	X	1.943	1.943	0	%100
40	MP3C	Z	3.365	3.365	0	%100
41	MP2C	X	1.943	1.943	0	%100
42	MP2C	Z	3.365	3.365	0	%100
43	MP1C	X	1.943	1.943	0	%100
44	MP1C	Z	3.365	3.365	0	%100
45	M46	X	2.314	2.314	0	%100
46	M46	Z	4.008	4.008	0	%100
47	M42A	X	1.906	1.906	0	%100
48	M42A	Z	3.301	3.301	0	%100
49	M45	X	.477	.477	0	%100
50	M45	Z	.825	.825	0	%100
51	M49	X	1.651	1.651	0	%100
52	M49	Z	2.86	2.86	0	%100
53	M57A	X	0	0	0	%100
54	M57A	Z	1e-6	1e-6	0	%100
55	M58A	X	1.65	1.65	0	%100
56	M58A	Z	2.857	2.857	0	%100
57	M59	X	2.724	2.724	0	%100
58	M59	Z	4.718	4.718	0	%100
59	M60	X	2.314	2.314	0	%100
60	M60	Z	4.008	4.008	0	%100
61	M67	X	1.57	1.57	0	%100
62	M67	Z	2.719	2.719	0	%100
63	M68	X	1.57	1.57	0	%100
64	M68	Z	2.719	2.719	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	0	0	0	%100
2	M6A	Z	5.895	5.895	0	%100
3	M7A	X	0	0	0	%100
4	M7A	Z	5.895	5.895	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	3.664	3.664	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	3.664	3.664	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	3.886	3.886	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	3.886	3.886	0	%100
13	MP2A	X	0	0	0	%100
14	MP2A	Z	3.886	3.886	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	3.886	3.886	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	1.474	1.474	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	1.472	1.472	0	%100
23	M19A	X	0	0	0	%100
24	M19A	Z	3e-6	3e-6	0	%100
25	MP4B	X	0	0	0	%100
26	MP4B	Z	3.886	3.886	0	%100
27	MP3B	X	0	0	0	%100
28	MP3B	Z	3.886	3.886	0	%100
29	MP2B	X	0	0	0	%100
30	MP2B	Z	3.886	3.886	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	3.886	3.886	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	1.474	1.474	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	1.474	1.474	0	%100
37	MP4C	X	0	0	0	%100
38	MP4C	Z	3.886	3.886	0	%100
39	MP3C	X	0	0	0	%100
40	MP3C	Z	3.886	3.886	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	3.886	3.886	0	%100
43	MP1C	X	0	0	0	%100
44	MP1C	Z	3.886	3.886	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	4.354	4.354	0	%100
47	M42A	X	0	0	0	%100
48	M42A	Z	2.859	2.859	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	2.859	2.859	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	4.401	4.401	0	%100
53	M57A	X	0	0	0	%100
54	M57A	Z	1.102	1.102	0	%100
55	M58A	X	0	0	0	%100
56	M58A	Z	1.099	1.099	0	%100
57	M59	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M59	Z	5.175	5.175	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	5.175	5.175	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	1.047	1.047	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	4.186	4.186	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	1.047	1.047	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	-2.211	-2.211	0	%100
2	M6A	Z	3.829	3.829	0	%100
3	M7A	X	-2.211	-2.211	0	%100
4	M7A	Z	3.829	3.829	0	%100
5	M73	X	-.61	-.61	0	%100
6	M73	Z	1.056	1.056	0	%100
7	M74	X	-2.445	-2.445	0	%100
8	M74	Z	4.235	4.235	0	%100
9	MP4A	X	-1.943	-1.943	0	%100
10	MP4A	Z	3.365	3.365	0	%100
11	MP3A	X	-1.943	-1.943	0	%100
12	MP3A	Z	3.365	3.365	0	%100
13	MP2A	X	-1.943	-1.943	0	%100
14	MP2A	Z	3.365	3.365	0	%100
15	MP1A	X	-1.943	-1.943	0	%100
16	MP1A	Z	3.365	3.365	0	%100
17	M15	X	-.477	-.477	0	%100
18	M15	Z	.825	.825	0	%100
19	M16	X	-2.211	-2.211	0	%100
20	M16	Z	3.829	3.829	0	%100
21	M17	X	-2.21	-2.21	0	%100
22	M17	Z	3.828	3.828	0	%100
23	M19A	X	-.61	-.61	0	%100
24	M19A	Z	1.056	1.056	0	%100
25	MP4B	X	-1.943	-1.943	0	%100
26	MP4B	Z	3.365	3.365	0	%100
27	MP3B	X	-1.943	-1.943	0	%100
28	MP3B	Z	3.365	3.365	0	%100
29	MP2B	X	-1.943	-1.943	0	%100
30	MP2B	Z	3.365	3.365	0	%100
31	MP1B	X	-1.943	-1.943	0	%100
32	MP1B	Z	3.365	3.365	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	MP4C	X	-1.943	-1.943	0	%100
38	MP4C	Z	3.365	3.365	0	%100
39	MP3C	X	-1.943	-1.943	0	%100
40	MP3C	Z	3.365	3.365	0	%100
41	MP2C	X	-1.943	-1.943	0	%100
42	MP2C	Z	3.365	3.365	0	%100
43	MP1C	X	-1.943	-1.943	0	%100
44	MP1C	Z	3.365	3.365	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M46	X	-2.314	-2.314	0	%100
46	M46	Z	4.008	4.008	0	%100
47	M42A	X	-.477	-.477	0	%100
48	M42A	Z	.825	.825	0	%100
49	M45	X	-1.906	-1.906	0	%100
50	M45	Z	3.301	3.301	0	%100
51	M49	X	-1.65	-1.65	0	%100
52	M49	Z	2.857	2.857	0	%100
53	M57A	X	-1.651	-1.651	0	%100
54	M57A	Z	2.86	2.86	0	%100
55	M58A	X	0	0	0	%100
56	M58A	Z	1e-6	1e-6	0	%100
57	M59	X	-2.315	-2.315	0	%100
58	M59	Z	4.009	4.009	0	%100
59	M60	X	-2.724	-2.724	0	%100
60	M60	Z	4.719	4.719	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	-1.57	-1.57	0	%100
64	M68	Z	2.719	2.719	0	%100
65	M69	X	-1.57	-1.57	0	%100
66	M69	Z	2.719	2.719	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	-1.276	-1.276	0	%100
2	M6A	Z	.737	.737	0	%100
3	M7A	X	-1.276	-1.276	0	%100
4	M7A	Z	.737	.737	0	%100
5	M73	X	-2e-6	-2e-6	0	%100
6	M73	Z	1e-6	1e-6	0	%100
7	M74	X	-3.179	-3.179	0	%100
8	M74	Z	1.835	1.835	0	%100
9	MP4A	X	-3.365	-3.365	0	%100
10	MP4A	Z	1.943	1.943	0	%100
11	MP3A	X	-3.365	-3.365	0	%100
12	MP3A	Z	1.943	1.943	0	%100
13	MP2A	X	-3.365	-3.365	0	%100
14	MP2A	Z	1.943	1.943	0	%100
15	MP1A	X	-3.365	-3.365	0	%100
16	MP1A	Z	1.943	1.943	0	%100
17	M15	X	-2.476	-2.476	0	%100
18	M15	Z	1.43	1.43	0	%100
19	M16	X	-5.106	-5.106	0	%100
20	M16	Z	2.948	2.948	0	%100
21	M17	X	-5.106	-5.106	0	%100
22	M17	Z	2.948	2.948	0	%100
23	M19A	X	-3.173	-3.173	0	%100
24	M19A	Z	1.832	1.832	0	%100
25	MP4B	X	-3.365	-3.365	0	%100
26	MP4B	Z	1.943	1.943	0	%100
27	MP3B	X	-3.365	-3.365	0	%100
28	MP3B	Z	1.943	1.943	0	%100
29	MP2B	X	-3.365	-3.365	0	%100
30	MP2B	Z	1.943	1.943	0	%100
31	MP1B	X	-3.365	-3.365	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
32	MP1B	Z	1.943	1.943	0	%100
33	M31	X	-1.276	-1.276	0	%100
34	M31	Z	.737	.737	0	%100
35	M32	X	-1.276	-1.276	0	%100
36	M32	Z	.737	.737	0	%100
37	MP4C	X	-3.365	-3.365	0	%100
38	MP4C	Z	1.943	1.943	0	%100
39	MP3C	X	-3.365	-3.365	0	%100
40	MP3C	Z	1.943	1.943	0	%100
41	MP2C	X	-3.365	-3.365	0	%100
42	MP2C	Z	1.943	1.943	0	%100
43	MP1C	X	-3.365	-3.365	0	%100
44	MP1C	Z	1.943	1.943	0	%100
45	M46	X	-4.482	-4.482	0	%100
46	M46	Z	2.588	2.588	0	%100
47	M42A	X	0	0	0	%100
48	M42A	Z	0	0	0	%100
49	M45	X	-2.476	-2.476	0	%100
50	M45	Z	1.43	1.43	0	%100
51	M49	X	-.951	-.951	0	%100
52	M49	Z	.549	.549	0	%100
53	M57A	X	-3.811	-3.811	0	%100
54	M57A	Z	2.2	2.2	0	%100
55	M58A	X	-.954	-.954	0	%100
56	M58A	Z	.551	.551	0	%100
57	M59	X	-3.773	-3.773	0	%100
58	M59	Z	2.179	2.179	0	%100
59	M60	X	-4.482	-4.482	0	%100
60	M60	Z	2.588	2.588	0	%100
61	M67	X	-.906	-.906	0	%100
62	M67	Z	.523	.523	0	%100
63	M68	X	-.906	-.906	0	%100
64	M68	Z	.523	.523	0	%100
65	M69	X	-3.625	-3.625	0	%100
66	M69	Z	2.093	2.093	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	0	0	0	%100
2	M6A	Z	0	0	0	%100
3	M7A	X	0	0	0	%100
4	M7A	Z	0	0	0	%100
5	M73	X	-1.226	-1.226	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	-1.226	-1.226	0	%100
8	M74	Z	0	0	0	%100
9	MP4A	X	-3.886	-3.886	0	%100
10	MP4A	Z	0	0	0	%100
11	MP3A	X	-3.886	-3.886	0	%100
12	MP3A	Z	0	0	0	%100
13	MP2A	X	-3.886	-3.886	0	%100
14	MP2A	Z	0	0	0	%100
15	MP1A	X	-3.886	-3.886	0	%100
16	MP1A	Z	0	0	0	%100
17	M15	X	-3.812	-3.812	0	%100
18	M15	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M16	X	-4.422	-4.422	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	-4.423	-4.423	0	%100
22	M17	Z	0	0	0	%100
23	M19A	X	-4.89	-4.89	0	%100
24	M19A	Z	0	0	0	%100
25	MP4B	X	-3.886	-3.886	0	%100
26	MP4B	Z	0	0	0	%100
27	MP3B	X	-3.886	-3.886	0	%100
28	MP3B	Z	0	0	0	%100
29	MP2B	X	-3.886	-3.886	0	%100
30	MP2B	Z	0	0	0	%100
31	MP1B	X	-3.886	-3.886	0	%100
32	MP1B	Z	0	0	0	%100
33	M31	X	-4.422	-4.422	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-4.422	-4.422	0	%100
36	M32	Z	0	0	0	%100
37	MP4C	X	-3.886	-3.886	0	%100
38	MP4C	Z	0	0	0	%100
39	MP3C	X	-3.886	-3.886	0	%100
40	MP3C	Z	0	0	0	%100
41	MP2C	X	-3.886	-3.886	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1C	X	-3.886	-3.886	0	%100
44	MP1C	Z	0	0	0	%100
45	M46	X	-5.449	-5.449	0	%100
46	M46	Z	0	0	0	%100
47	M42A	X	-.953	-.953	0	%100
48	M42A	Z	0	0	0	%100
49	M45	X	-.953	-.953	0	%100
50	M45	Z	0	0	0	%100
51	M49	X	-1e-6	-1e-6	0	%100
52	M49	Z	0	0	0	%100
53	M57A	X	-3.299	-3.299	0	%100
54	M57A	Z	0	0	0	%100
55	M58A	X	-3.302	-3.302	0	%100
56	M58A	Z	0	0	0	%100
57	M59	X	-4.63	-4.63	0	%100
58	M59	Z	0	0	0	%100
59	M60	X	-4.629	-4.629	0	%100
60	M60	Z	0	0	0	%100
61	M67	X	-3.14	-3.14	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	-3.14	-3.14	0	%100
66	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	-1.276	-1.276	0	%100
2	M6A	Z	-.737	-.737	0	%100
3	M7A	X	-1.276	-1.276	0	%100
4	M7A	Z	-.737	-.737	0	%100
5	M73	X	-3.179	-3.179	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M73	Z	-1.835	-1.835	0	%100
7	M74	X	-2e-6	-2e-6	0	%100
8	M74	Z	-1e-6	-1e-6	0	%100
9	MP4A	X	-3.365	-3.365	0	%100
10	MP4A	Z	-1.943	-1.943	0	%100
11	MP3A	X	-3.365	-3.365	0	%100
12	MP3A	Z	-1.943	-1.943	0	%100
13	MP2A	X	-3.365	-3.365	0	%100
14	MP2A	Z	-1.943	-1.943	0	%100
15	MP1A	X	-3.365	-3.365	0	%100
16	MP1A	Z	-1.943	-1.943	0	%100
17	M15	X	-2.476	-2.476	0	%100
18	M15	Z	-1.43	-1.43	0	%100
19	M16	X	-1.277	-1.277	0	%100
20	M16	Z	-.737	-.737	0	%100
21	M17	X	-1.278	-1.278	0	%100
22	M17	Z	-.738	-.738	0	%100
23	M19A	X	-3.179	-3.179	0	%100
24	M19A	Z	-1.835	-1.835	0	%100
25	MP4B	X	-3.365	-3.365	0	%100
26	MP4B	Z	-1.943	-1.943	0	%100
27	MP3B	X	-3.365	-3.365	0	%100
28	MP3B	Z	-1.943	-1.943	0	%100
29	MP2B	X	-3.365	-3.365	0	%100
30	MP2B	Z	-1.943	-1.943	0	%100
31	MP1B	X	-3.365	-3.365	0	%100
32	MP1B	Z	-1.943	-1.943	0	%100
33	M31	X	-5.106	-5.106	0	%100
34	M31	Z	-2.948	-2.948	0	%100
35	M32	X	-5.106	-5.106	0	%100
36	M32	Z	-2.948	-2.948	0	%100
37	MP4C	X	-3.365	-3.365	0	%100
38	MP4C	Z	-1.943	-1.943	0	%100
39	MP3C	X	-3.365	-3.365	0	%100
40	MP3C	Z	-1.943	-1.943	0	%100
41	MP2C	X	-3.365	-3.365	0	%100
42	MP2C	Z	-1.943	-1.943	0	%100
43	MP1C	X	-3.365	-3.365	0	%100
44	MP1C	Z	-1.943	-1.943	0	%100
45	M46	X	-4.482	-4.482	0	%100
46	M46	Z	-2.588	-2.588	0	%100
47	M42A	X	-2.476	-2.476	0	%100
48	M42A	Z	-1.43	-1.43	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M49	X	-.954	-.954	0	%100
52	M49	Z	-.551	-.551	0	%100
53	M57A	X	-.951	-.951	0	%100
54	M57A	Z	-.549	-.549	0	%100
55	M58A	X	-3.811	-3.811	0	%100
56	M58A	Z	-2.2	-2.2	0	%100
57	M59	X	-4.482	-4.482	0	%100
58	M59	Z	-2.588	-2.588	0	%100
59	M60	X	-3.771	-3.771	0	%100
60	M60	Z	-2.177	-2.177	0	%100
61	M67	X	-3.625	-3.625	0	%100
62	M67	Z	-2.093	-2.093	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M68	X	-.906	-.906	0	%100
64	M68	Z	-.523	-.523	0	%100
65	M69	X	-.906	-.906	0	%100
66	M69	Z	-.523	-.523	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	-2.211	-2.211	0	%100
2	M6A	Z	-3.829	-3.829	0	%100
3	M7A	X	-2.211	-2.211	0	%100
4	M7A	Z	-3.829	-3.829	0	%100
5	M73	X	-2.445	-2.445	0	%100
6	M73	Z	-4.235	-4.235	0	%100
7	M74	X	-.61	-.61	0	%100
8	M74	Z	-1.056	-1.056	0	%100
9	MP4A	X	-1.943	-1.943	0	%100
10	MP4A	Z	-3.365	-3.365	0	%100
11	MP3A	X	-1.943	-1.943	0	%100
12	MP3A	Z	-3.365	-3.365	0	%100
13	MP2A	X	-1.943	-1.943	0	%100
14	MP2A	Z	-3.365	-3.365	0	%100
15	MP1A	X	-1.943	-1.943	0	%100
16	MP1A	Z	-3.365	-3.365	0	%100
17	M15	X	-.477	-.477	0	%100
18	M15	Z	-.825	-.825	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	-1e-6	-1e-6	0	%100
23	M19A	X	-.613	-.613	0	%100
24	M19A	Z	-1.061	-1.061	0	%100
25	MP4B	X	-1.943	-1.943	0	%100
26	MP4B	Z	-3.365	-3.365	0	%100
27	MP3B	X	-1.943	-1.943	0	%100
28	MP3B	Z	-3.365	-3.365	0	%100
29	MP2B	X	-1.943	-1.943	0	%100
30	MP2B	Z	-3.365	-3.365	0	%100
31	MP1B	X	-1.943	-1.943	0	%100
32	MP1B	Z	-3.365	-3.365	0	%100
33	M31	X	-2.211	-2.211	0	%100
34	M31	Z	-3.829	-3.829	0	%100
35	M32	X	-2.211	-2.211	0	%100
36	M32	Z	-3.829	-3.829	0	%100
37	MP4C	X	-1.943	-1.943	0	%100
38	MP4C	Z	-3.365	-3.365	0	%100
39	MP3C	X	-1.943	-1.943	0	%100
40	MP3C	Z	-3.365	-3.365	0	%100
41	MP2C	X	-1.943	-1.943	0	%100
42	MP2C	Z	-3.365	-3.365	0	%100
43	MP1C	X	-1.943	-1.943	0	%100
44	MP1C	Z	-3.365	-3.365	0	%100
45	M46	X	-2.314	-2.314	0	%100
46	M46	Z	-4.008	-4.008	0	%100
47	M42A	X	-1.906	-1.906	0	%100
48	M42A	Z	-3.301	-3.301	0	%100
49	M45	X	-.477	-.477	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
50	M45	Z	-.825	-.825	0	%100
51	M49	X	-1.651	-1.651	0	%100
52	M49	Z	-2.86	-2.86	0	%100
53	M57A	X	0	0	0	%100
54	M57A	Z	-1e-6	-1e-6	0	%100
55	M58A	X	-1.65	-1.65	0	%100
56	M58A	Z	-2.857	-2.857	0	%100
57	M59	X	-2.724	-2.724	0	%100
58	M59	Z	-4.718	-4.718	0	%100
59	M60	X	-2.314	-2.314	0	%100
60	M60	Z	-4.008	-4.008	0	%100
61	M67	X	-1.57	-1.57	0	%100
62	M67	Z	-2.719	-2.719	0	%100
63	M68	X	-1.57	-1.57	0	%100
64	M68	Z	-2.719	-2.719	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	0	0	0	%100
2	M6A	Z	-1.266	-1.266	0	%100
3	M7A	X	0	0	0	%100
4	M7A	Z	-1.266	-1.266	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	-.806	-.806	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	-.806	-.806	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-.601	-.601	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	-.601	-.601	0	%100
13	MP2A	X	0	0	0	%100
14	MP2A	Z	-.601	-.601	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-.601	-.601	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	-.316	-.316	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	-.316	-.316	0	%100
23	M19A	X	0	0	0	%100
24	M19A	Z	-1e-6	-1e-6	0	%100
25	MP4B	X	0	0	0	%100
26	MP4B	Z	-.601	-.601	0	%100
27	MP3B	X	0	0	0	%100
28	MP3B	Z	-.601	-.601	0	%100
29	MP2B	X	0	0	0	%100
30	MP2B	Z	-.601	-.601	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	-.601	-.601	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-.316	-.316	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-.316	-.316	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP4C	X	0	0	0	%100
38	MP4C	Z	-.601	-.601	0	%100
39	MP3C	X	0	0	0	%100
40	MP3C	Z	-.601	-.601	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	-.601	-.601	0	%100
43	MP1C	X	0	0	0	%100
44	MP1C	Z	-.601	-.601	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-1.152	-1.152	0	%100
47	M42A	X	0	0	0	%100
48	M42A	Z	-.577	-.577	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-.577	-.577	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	-.728	-.728	0	%100
53	M57A	X	0	0	0	%100
54	M57A	Z	-.182	-.182	0	%100
55	M58A	X	0	0	0	%100
56	M58A	Z	-.182	-.182	0	%100
57	M59	X	0	0	0	%100
58	M59	Z	-1.185	-1.185	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	-1.185	-1.185	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	-.231	-.231	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	-.924	-.924	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-.231	-.231	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	.475	.475	0	%100
2	M6A	Z	-.822	-.822	0	%100
3	M7A	X	.475	.475	0	%100
4	M7A	Z	-.822	-.822	0	%100
5	M73	X	.134	.134	0	%100
6	M73	Z	-.232	-.232	0	%100
7	M74	X	.538	.538	0	%100
8	M74	Z	-.932	-.932	0	%100
9	MP4A	X	.301	.301	0	%100
10	MP4A	Z	-.521	-.521	0	%100
11	MP3A	X	.301	.301	0	%100
12	MP3A	Z	-.521	-.521	0	%100
13	MP2A	X	.301	.301	0	%100
14	MP2A	Z	-.521	-.521	0	%100
15	MP1A	X	.301	.301	0	%100
16	MP1A	Z	-.521	-.521	0	%100
17	M15	X	.096	.096	0	%100
18	M15	Z	-.167	-.167	0	%100
19	M16	X	.475	.475	0	%100
20	M16	Z	-.822	-.822	0	%100
21	M17	X	.475	.475	0	%100
22	M17	Z	-.822	-.822	0	%100
23	M19A	X	.134	.134	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	M19A	Z	-.232	-.232	0	%100
25	MP4B	X	.301	.301	0	%100
26	MP4B	Z	-.521	-.521	0	%100
27	MP3B	X	.301	.301	0	%100
28	MP3B	Z	-.521	-.521	0	%100
29	MP2B	X	.301	.301	0	%100
30	MP2B	Z	-.521	-.521	0	%100
31	MP1B	X	.301	.301	0	%100
32	MP1B	Z	-.521	-.521	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	MP4C	X	.301	.301	0	%100
38	MP4C	Z	-.521	-.521	0	%100
39	MP3C	X	.301	.301	0	%100
40	MP3C	Z	-.521	-.521	0	%100
41	MP2C	X	.301	.301	0	%100
42	MP2C	Z	-.521	-.521	0	%100
43	MP1C	X	.301	.301	0	%100
44	MP1C	Z	-.521	-.521	0	%100
45	M46	X	.581	.581	0	%100
46	M46	Z	-1.007	-1.007	0	%100
47	M42A	X	.096	.096	0	%100
48	M42A	Z	-.167	-.167	0	%100
49	M45	X	.385	.385	0	%100
50	M45	Z	-.667	-.667	0	%100
51	M49	X	.273	.273	0	%100
52	M49	Z	-.473	-.473	0	%100
53	M57A	X	.273	.273	0	%100
54	M57A	Z	-.473	-.473	0	%100
55	M58A	X	0	0	0	%100
56	M58A	Z	0	0	0	%100
57	M59	X	.582	.582	0	%100
58	M59	Z	-1.008	-1.008	0	%100
59	M60	X	.598	.598	0	%100
60	M60	Z	-1.036	-1.036	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	.346	.346	0	%100
64	M68	Z	-.6	-.6	0	%100
65	M69	X	.346	.346	0	%100
66	M69	Z	-.6	-.6	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	.274	.274	0	%100
2	M6A	Z	-.158	-.158	0	%100
3	M7A	X	.274	.274	0	%100
4	M7A	Z	-.158	-.158	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	.699	.699	0	%100
8	M74	Z	-.404	-.404	0	%100
9	MP4A	X	.521	.521	0	%100
10	MP4A	Z	-.301	-.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	MP3A	X	.521	.521	0	%100
12	MP3A	Z	-.301	-.301	0	%100
13	MP2A	X	.521	.521	0	%100
14	MP2A	Z	-.301	-.301	0	%100
15	MP1A	X	.521	.521	0	%100
16	MP1A	Z	-.301	-.301	0	%100
17	M15	X	.5	.5	0	%100
18	M15	Z	-.289	-.289	0	%100
19	M16	X	1.096	1.096	0	%100
20	M16	Z	-.633	-.633	0	%100
21	M17	X	1.096	1.096	0	%100
22	M17	Z	-.633	-.633	0	%100
23	M19A	X	.698	.698	0	%100
24	M19A	Z	-.403	-.403	0	%100
25	MP4B	X	.521	.521	0	%100
26	MP4B	Z	-.301	-.301	0	%100
27	MP3B	X	.521	.521	0	%100
28	MP3B	Z	-.301	-.301	0	%100
29	MP2B	X	.521	.521	0	%100
30	MP2B	Z	-.301	-.301	0	%100
31	MP1B	X	.521	.521	0	%100
32	MP1B	Z	-.301	-.301	0	%100
33	M31	X	.274	.274	0	%100
34	M31	Z	-.158	-.158	0	%100
35	M32	X	.274	.274	0	%100
36	M32	Z	-.158	-.158	0	%100
37	MP4C	X	.521	.521	0	%100
38	MP4C	Z	-.301	-.301	0	%100
39	MP3C	X	.521	.521	0	%100
40	MP3C	Z	-.301	-.301	0	%100
41	MP2C	X	.521	.521	0	%100
42	MP2C	Z	-.301	-.301	0	%100
43	MP1C	X	.521	.521	0	%100
44	MP1C	Z	-.301	-.301	0	%100
45	M46	X	1.026	1.026	0	%100
46	M46	Z	-.593	-.593	0	%100
47	M42A	X	0	0	0	%100
48	M42A	Z	0	0	0	%100
49	M45	X	.5	.5	0	%100
50	M45	Z	-.289	-.289	0	%100
51	M49	X	.157	.157	0	%100
52	M49	Z	-.091	-.091	0	%100
53	M57A	X	.63	.63	0	%100
54	M57A	Z	-.364	-.364	0	%100
55	M58A	X	.158	.158	0	%100
56	M58A	Z	-.091	-.091	0	%100
57	M59	X	.998	.998	0	%100
58	M59	Z	-.576	-.576	0	%100
59	M60	X	1.026	1.026	0	%100
60	M60	Z	-.593	-.593	0	%100
61	M67	X	.2	.2	0	%100
62	M67	Z	-.115	-.115	0	%100
63	M68	X	.2	.2	0	%100
64	M68	Z	-.115	-.115	0	%100
65	M69	X	.8	.8	0	%100
66	M69	Z	-.462	-.462	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	0	0	0	%100
2	M6A	Z	0	0	0	%100
3	M7A	X	0	0	0	%100
4	M7A	Z	0	0	0	%100
5	M73	X	.27	.27	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	.27	.27	0	%100
8	M74	Z	0	0	0	%100
9	MP4A	X	.601	.601	0	%100
10	MP4A	Z	0	0	0	%100
11	MP3A	X	.601	.601	0	%100
12	MP3A	Z	0	0	0	%100
13	MP2A	X	.601	.601	0	%100
14	MP2A	Z	0	0	0	%100
15	MP1A	X	.601	.601	0	%100
16	MP1A	Z	0	0	0	%100
17	M15	X	.77	.77	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	.95	.95	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	.95	.95	0	%100
22	M17	Z	0	0	0	%100
23	M19A	X	1.076	1.076	0	%100
24	M19A	Z	0	0	0	%100
25	MP4B	X	.601	.601	0	%100
26	MP4B	Z	0	0	0	%100
27	MP3B	X	.601	.601	0	%100
28	MP3B	Z	0	0	0	%100
29	MP2B	X	.601	.601	0	%100
30	MP2B	Z	0	0	0	%100
31	MP1B	X	.601	.601	0	%100
32	MP1B	Z	0	0	0	%100
33	M31	X	.949	.949	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	.949	.949	0	%100
36	M32	Z	0	0	0	%100
37	MP4C	X	.601	.601	0	%100
38	MP4C	Z	0	0	0	%100
39	MP3C	X	.601	.601	0	%100
40	MP3C	Z	0	0	0	%100
41	MP2C	X	.601	.601	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1C	X	.601	.601	0	%100
44	MP1C	Z	0	0	0	%100
45	M46	X	1.196	1.196	0	%100
46	M46	Z	0	0	0	%100
47	M42A	X	.192	.192	0	%100
48	M42A	Z	0	0	0	%100
49	M45	X	.192	.192	0	%100
50	M45	Z	0	0	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	0	0	0	%100
53	M57A	X	.546	.546	0	%100
54	M57A	Z	0	0	0	%100
55	M58A	X	.546	.546	0	%100
56	M58A	Z	0	0	0	%100
57	M59	X	1.163	1.163	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M59	Z	0	0	0	%100
59	M60	X	1.163	1.163	0	%100
60	M60	Z	0	0	0	%100
61	M67	X	.693	.693	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	.693	.693	0	%100
66	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	.274	.274	0	%100
2	M6A	Z	.158	.158	0	%100
3	M7A	X	.274	.274	0	%100
4	M7A	Z	.158	.158	0	%100
5	M73	X	.699	.699	0	%100
6	M73	Z	.404	.404	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	0	0	0	%100
9	MP4A	X	.521	.521	0	%100
10	MP4A	Z	.301	.301	0	%100
11	MP3A	X	.521	.521	0	%100
12	MP3A	Z	.301	.301	0	%100
13	MP2A	X	.521	.521	0	%100
14	MP2A	Z	.301	.301	0	%100
15	MP1A	X	.521	.521	0	%100
16	MP1A	Z	.301	.301	0	%100
17	M15	X	.5	.5	0	%100
18	M15	Z	.289	.289	0	%100
19	M16	X	.274	.274	0	%100
20	M16	Z	.158	.158	0	%100
21	M17	X	.274	.274	0	%100
22	M17	Z	.158	.158	0	%100
23	M19A	X	.699	.699	0	%100
24	M19A	Z	.404	.404	0	%100
25	MP4B	X	.521	.521	0	%100
26	MP4B	Z	.301	.301	0	%100
27	MP3B	X	.521	.521	0	%100
28	MP3B	Z	.301	.301	0	%100
29	MP2B	X	.521	.521	0	%100
30	MP2B	Z	.301	.301	0	%100
31	MP1B	X	.521	.521	0	%100
32	MP1B	Z	.301	.301	0	%100
33	M31	X	1.096	1.096	0	%100
34	M31	Z	.633	.633	0	%100
35	M32	X	1.096	1.096	0	%100
36	M32	Z	.633	.633	0	%100
37	MP4C	X	.521	.521	0	%100
38	MP4C	Z	.301	.301	0	%100
39	MP3C	X	.521	.521	0	%100
40	MP3C	Z	.301	.301	0	%100
41	MP2C	X	.521	.521	0	%100
42	MP2C	Z	.301	.301	0	%100
43	MP1C	X	.521	.521	0	%100
44	MP1C	Z	.301	.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M46	X	1.026	1.026	0	%100
46	M46	Z	.593	.593	0	%100
47	M42A	X	.5	.5	0	%100
48	M42A	Z	.289	.289	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M49	X	.158	.158	0	%100
52	M49	Z	.091	.091	0	%100
53	M57A	X	.157	.157	0	%100
54	M57A	Z	.091	.091	0	%100
55	M58A	X	.63	.63	0	%100
56	M58A	Z	.364	.364	0	%100
57	M59	X	1.027	1.027	0	%100
58	M59	Z	.593	.593	0	%100
59	M60	X	.998	.998	0	%100
60	M60	Z	.576	.576	0	%100
61	M67	X	.8	.8	0	%100
62	M67	Z	.462	.462	0	%100
63	M68	X	.2	.2	0	%100
64	M68	Z	.115	.115	0	%100
65	M69	X	.2	.2	0	%100
66	M69	Z	.115	.115	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	.475	.475	0	%100
2	M6A	Z	.822	.822	0	%100
3	M7A	X	.475	.475	0	%100
4	M7A	Z	.822	.822	0	%100
5	M73	X	.538	.538	0	%100
6	M73	Z	.932	.932	0	%100
7	M74	X	.134	.134	0	%100
8	M74	Z	.232	.232	0	%100
9	MP4A	X	.301	.301	0	%100
10	MP4A	Z	.521	.521	0	%100
11	MP3A	X	.301	.301	0	%100
12	MP3A	Z	.521	.521	0	%100
13	MP2A	X	.301	.301	0	%100
14	MP2A	Z	.521	.521	0	%100
15	MP1A	X	.301	.301	0	%100
16	MP1A	Z	.521	.521	0	%100
17	M15	X	.096	.096	0	%100
18	M15	Z	.167	.167	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M19A	X	.135	.135	0	%100
24	M19A	Z	.233	.233	0	%100
25	MP4B	X	.301	.301	0	%100
26	MP4B	Z	.521	.521	0	%100
27	MP3B	X	.301	.301	0	%100
28	MP3B	Z	.521	.521	0	%100
29	MP2B	X	.301	.301	0	%100
30	MP2B	Z	.521	.521	0	%100
31	MP1B	X	.301	.301	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
32	MP1B	Z	.521	.521	0	%100
33	M31	X	.475	.475	0	%100
34	M31	Z	.822	.822	0	%100
35	M32	X	.475	.475	0	%100
36	M32	Z	.822	.822	0	%100
37	MP4C	X	.301	.301	0	%100
38	MP4C	Z	.521	.521	0	%100
39	MP3C	X	.301	.301	0	%100
40	MP3C	Z	.521	.521	0	%100
41	MP2C	X	.301	.301	0	%100
42	MP2C	Z	.521	.521	0	%100
43	MP1C	X	.301	.301	0	%100
44	MP1C	Z	.521	.521	0	%100
45	M46	X	.581	.581	0	%100
46	M46	Z	1.007	1.007	0	%100
47	M42A	X	.385	.385	0	%100
48	M42A	Z	.667	.667	0	%100
49	M45	X	.096	.096	0	%100
50	M45	Z	.167	.167	0	%100
51	M49	X	.273	.273	0	%100
52	M49	Z	.473	.473	0	%100
53	M57A	X	0	0	0	%100
54	M57A	Z	0	0	0	%100
55	M58A	X	.273	.273	0	%100
56	M58A	Z	.473	.473	0	%100
57	M59	X	.598	.598	0	%100
58	M59	Z	1.036	1.036	0	%100
59	M60	X	.582	.582	0	%100
60	M60	Z	1.007	1.007	0	%100
61	M67	X	.346	.346	0	%100
62	M67	Z	.6	.6	0	%100
63	M68	X	.346	.346	0	%100
64	M68	Z	.6	.6	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	0	0	0	%100
2	M6A	Z	1.266	1.266	0	%100
3	M7A	X	0	0	0	%100
4	M7A	Z	1.266	1.266	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	.806	.806	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	.806	.806	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.601	.601	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	.601	.601	0	%100
13	MP2A	X	0	0	0	%100
14	MP2A	Z	.601	.601	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	.601	.601	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M16	X	0	0	0	%100
20	M16	Z	.316	.316	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	.316	.316	0	%100
23	M19A	X	0	0	0	%100
24	M19A	Z	1e-6	1e-6	0	%100
25	MP4B	X	0	0	0	%100
26	MP4B	Z	.601	.601	0	%100
27	MP3B	X	0	0	0	%100
28	MP3B	Z	.601	.601	0	%100
29	MP2B	X	0	0	0	%100
30	MP2B	Z	.601	.601	0	%100
31	MP1B	X	0	0	0	%100
32	MP1B	Z	.601	.601	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	.316	.316	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	.316	.316	0	%100
37	MP4C	X	0	0	0	%100
38	MP4C	Z	.601	.601	0	%100
39	MP3C	X	0	0	0	%100
40	MP3C	Z	.601	.601	0	%100
41	MP2C	X	0	0	0	%100
42	MP2C	Z	.601	.601	0	%100
43	MP1C	X	0	0	0	%100
44	MP1C	Z	.601	.601	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	1.152	1.152	0	%100
47	M42A	X	0	0	0	%100
48	M42A	Z	.577	.577	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	.577	.577	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	.728	.728	0	%100
53	M57A	X	0	0	0	%100
54	M57A	Z	.182	.182	0	%100
55	M58A	X	0	0	0	%100
56	M58A	Z	.182	.182	0	%100
57	M59	X	0	0	0	%100
58	M59	Z	1.185	1.185	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	1.185	1.185	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	.231	.231	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	.924	.924	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	.231	.231	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	-.475	-.475	0	%100
2	M6A	Z	.822	.822	0	%100
3	M7A	X	-.475	-.475	0	%100
4	M7A	Z	.822	.822	0	%100
5	M73	X	-.134	-.134	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M73	Z	.232	.232	0	%100
7	M74	X	-.538	-.538	0	%100
8	M74	Z	.932	.932	0	%100
9	MP4A	X	-.301	-.301	0	%100
10	MP4A	Z	.521	.521	0	%100
11	MP3A	X	-.301	-.301	0	%100
12	MP3A	Z	.521	.521	0	%100
13	MP2A	X	-.301	-.301	0	%100
14	MP2A	Z	.521	.521	0	%100
15	MP1A	X	-.301	-.301	0	%100
16	MP1A	Z	.521	.521	0	%100
17	M15	X	-.096	-.096	0	%100
18	M15	Z	.167	.167	0	%100
19	M16	X	-.475	-.475	0	%100
20	M16	Z	.822	.822	0	%100
21	M17	X	-.475	-.475	0	%100
22	M17	Z	.822	.822	0	%100
23	M19A	X	-.134	-.134	0	%100
24	M19A	Z	.232	.232	0	%100
25	MP4B	X	-.301	-.301	0	%100
26	MP4B	Z	.521	.521	0	%100
27	MP3B	X	-.301	-.301	0	%100
28	MP3B	Z	.521	.521	0	%100
29	MP2B	X	-.301	-.301	0	%100
30	MP2B	Z	.521	.521	0	%100
31	MP1B	X	-.301	-.301	0	%100
32	MP1B	Z	.521	.521	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	MP4C	X	-.301	-.301	0	%100
38	MP4C	Z	.521	.521	0	%100
39	MP3C	X	-.301	-.301	0	%100
40	MP3C	Z	.521	.521	0	%100
41	MP2C	X	-.301	-.301	0	%100
42	MP2C	Z	.521	.521	0	%100
43	MP1C	X	-.301	-.301	0	%100
44	MP1C	Z	.521	.521	0	%100
45	M46	X	-.581	-.581	0	%100
46	M46	Z	1.007	1.007	0	%100
47	M42A	X	-.096	-.096	0	%100
48	M42A	Z	.167	.167	0	%100
49	M45	X	-.385	-.385	0	%100
50	M45	Z	.667	.667	0	%100
51	M49	X	-.273	-.273	0	%100
52	M49	Z	.473	.473	0	%100
53	M57A	X	-.273	-.273	0	%100
54	M57A	Z	.473	.473	0	%100
55	M58A	X	0	0	0	%100
56	M58A	Z	0	0	0	%100
57	M59	X	-.582	-.582	0	%100
58	M59	Z	1.008	1.008	0	%100
59	M60	X	-.598	-.598	0	%100
60	M60	Z	1.036	1.036	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M68	X	-.346	-.346	0	%100
64	M68	Z	.6	.6	0	%100
65	M69	X	-.346	-.346	0	%100
66	M69	Z	.6	.6	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	-.274	-.274	0	%100
2	M6A	Z	.158	.158	0	%100
3	M7A	X	-.274	-.274	0	%100
4	M7A	Z	.158	.158	0	%100
5	M73	X	0	0	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	-.699	-.699	0	%100
8	M74	Z	.404	.404	0	%100
9	MP4A	X	-.521	-.521	0	%100
10	MP4A	Z	.301	.301	0	%100
11	MP3A	X	-.521	-.521	0	%100
12	MP3A	Z	.301	.301	0	%100
13	MP2A	X	-.521	-.521	0	%100
14	MP2A	Z	.301	.301	0	%100
15	MP1A	X	-.521	-.521	0	%100
16	MP1A	Z	.301	.301	0	%100
17	M15	X	-.5	-.5	0	%100
18	M15	Z	.289	.289	0	%100
19	M16	X	-1.096	-1.096	0	%100
20	M16	Z	.633	.633	0	%100
21	M17	X	-1.096	-1.096	0	%100
22	M17	Z	.633	.633	0	%100
23	M19A	X	-.698	-.698	0	%100
24	M19A	Z	.403	.403	0	%100
25	MP4B	X	-.521	-.521	0	%100
26	MP4B	Z	.301	.301	0	%100
27	MP3B	X	-.521	-.521	0	%100
28	MP3B	Z	.301	.301	0	%100
29	MP2B	X	-.521	-.521	0	%100
30	MP2B	Z	.301	.301	0	%100
31	MP1B	X	-.521	-.521	0	%100
32	MP1B	Z	.301	.301	0	%100
33	M31	X	-.274	-.274	0	%100
34	M31	Z	.158	.158	0	%100
35	M32	X	-.274	-.274	0	%100
36	M32	Z	.158	.158	0	%100
37	MP4C	X	-.521	-.521	0	%100
38	MP4C	Z	.301	.301	0	%100
39	MP3C	X	-.521	-.521	0	%100
40	MP3C	Z	.301	.301	0	%100
41	MP2C	X	-.521	-.521	0	%100
42	MP2C	Z	.301	.301	0	%100
43	MP1C	X	-.521	-.521	0	%100
44	MP1C	Z	.301	.301	0	%100
45	M46	X	-1.026	-1.026	0	%100
46	M46	Z	.593	.593	0	%100
47	M42A	X	0	0	0	%100
48	M42A	Z	0	0	0	%100
49	M45	X	-.5	-.5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
50	M45	Z	.289	.289	0	%100
51	M49	X	-.157	-.157	0	%100
52	M49	Z	.091	.091	0	%100
53	M57A	X	-.63	-.63	0	%100
54	M57A	Z	.364	.364	0	%100
55	M58A	X	-.158	-.158	0	%100
56	M58A	Z	.091	.091	0	%100
57	M59	X	-.998	-.998	0	%100
58	M59	Z	.576	.576	0	%100
59	M60	X	-1.026	-1.026	0	%100
60	M60	Z	.593	.593	0	%100
61	M67	X	-.2	-.2	0	%100
62	M67	Z	.115	.115	0	%100
63	M68	X	-.2	-.2	0	%100
64	M68	Z	.115	.115	0	%100
65	M69	X	-.8	-.8	0	%100
66	M69	Z	.462	.462	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	0	0	0	%100
2	M6A	Z	0	0	0	%100
3	M7A	X	0	0	0	%100
4	M7A	Z	0	0	0	%100
5	M73	X	-.27	-.27	0	%100
6	M73	Z	0	0	0	%100
7	M74	X	-.27	-.27	0	%100
8	M74	Z	0	0	0	%100
9	MP4A	X	-.601	-.601	0	%100
10	MP4A	Z	0	0	0	%100
11	MP3A	X	-.601	-.601	0	%100
12	MP3A	Z	0	0	0	%100
13	MP2A	X	-.601	-.601	0	%100
14	MP2A	Z	0	0	0	%100
15	MP1A	X	-.601	-.601	0	%100
16	MP1A	Z	0	0	0	%100
17	M15	X	-.77	-.77	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	-.95	-.95	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	-.95	-.95	0	%100
22	M17	Z	0	0	0	%100
23	M19A	X	-1.076	-1.076	0	%100
24	M19A	Z	0	0	0	%100
25	MP4B	X	-.601	-.601	0	%100
26	MP4B	Z	0	0	0	%100
27	MP3B	X	-.601	-.601	0	%100
28	MP3B	Z	0	0	0	%100
29	MP2B	X	-.601	-.601	0	%100
30	MP2B	Z	0	0	0	%100
31	MP1B	X	-.601	-.601	0	%100
32	MP1B	Z	0	0	0	%100
33	M31	X	-.949	-.949	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-.949	-.949	0	%100
36	M32	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP4C	X	-.601	-.601	0	%100
38	MP4C	Z	0	0	0	%100
39	MP3C	X	-.601	-.601	0	%100
40	MP3C	Z	0	0	0	%100
41	MP2C	X	-.601	-.601	0	%100
42	MP2C	Z	0	0	0	%100
43	MP1C	X	-.601	-.601	0	%100
44	MP1C	Z	0	0	0	%100
45	M46	X	-1.196	-1.196	0	%100
46	M46	Z	0	0	0	%100
47	M42A	X	-.192	-.192	0	%100
48	M42A	Z	0	0	0	%100
49	M45	X	-.192	-.192	0	%100
50	M45	Z	0	0	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	0	0	0	%100
53	M57A	X	-.546	-.546	0	%100
54	M57A	Z	0	0	0	%100
55	M58A	X	-.546	-.546	0	%100
56	M58A	Z	0	0	0	%100
57	M59	X	-1.163	-1.163	0	%100
58	M59	Z	0	0	0	%100
59	M60	X	-1.163	-1.163	0	%100
60	M60	Z	0	0	0	%100
61	M67	X	-.693	-.693	0	%100
62	M67	Z	0	0	0	%100
63	M68	X	0	0	0	%100
64	M68	Z	0	0	0	%100
65	M69	X	-.693	-.693	0	%100
66	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	-.274	-.274	0	%100
2	M6A	Z	-.158	-.158	0	%100
3	M7A	X	-.274	-.274	0	%100
4	M7A	Z	-.158	-.158	0	%100
5	M73	X	-.699	-.699	0	%100
6	M73	Z	-.404	-.404	0	%100
7	M74	X	0	0	0	%100
8	M74	Z	0	0	0	%100
9	MP4A	X	-.521	-.521	0	%100
10	MP4A	Z	-.301	-.301	0	%100
11	MP3A	X	-.521	-.521	0	%100
12	MP3A	Z	-.301	-.301	0	%100
13	MP2A	X	-.521	-.521	0	%100
14	MP2A	Z	-.301	-.301	0	%100
15	MP1A	X	-.521	-.521	0	%100
16	MP1A	Z	-.301	-.301	0	%100
17	M15	X	-.5	-.5	0	%100
18	M15	Z	-.289	-.289	0	%100
19	M16	X	-.274	-.274	0	%100
20	M16	Z	-.158	-.158	0	%100
21	M17	X	-.274	-.274	0	%100
22	M17	Z	-.158	-.158	0	%100
23	M19A	X	-.699	-.699	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	M19A	Z	-.404	-.404	0	%100
25	MP4B	X	-.521	-.521	0	%100
26	MP4B	Z	-.301	-.301	0	%100
27	MP3B	X	-.521	-.521	0	%100
28	MP3B	Z	-.301	-.301	0	%100
29	MP2B	X	-.521	-.521	0	%100
30	MP2B	Z	-.301	-.301	0	%100
31	MP1B	X	-.521	-.521	0	%100
32	MP1B	Z	-.301	-.301	0	%100
33	M31	X	-1.096	-1.096	0	%100
34	M31	Z	-.633	-.633	0	%100
35	M32	X	-1.096	-1.096	0	%100
36	M32	Z	-.633	-.633	0	%100
37	MP4C	X	-.521	-.521	0	%100
38	MP4C	Z	-.301	-.301	0	%100
39	MP3C	X	-.521	-.521	0	%100
40	MP3C	Z	-.301	-.301	0	%100
41	MP2C	X	-.521	-.521	0	%100
42	MP2C	Z	-.301	-.301	0	%100
43	MP1C	X	-.521	-.521	0	%100
44	MP1C	Z	-.301	-.301	0	%100
45	M46	X	-1.026	-1.026	0	%100
46	M46	Z	-.593	-.593	0	%100
47	M42A	X	-.5	-.5	0	%100
48	M42A	Z	-.289	-.289	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M49	X	-.158	-.158	0	%100
52	M49	Z	-.091	-.091	0	%100
53	M57A	X	-.157	-.157	0	%100
54	M57A	Z	-.091	-.091	0	%100
55	M58A	X	-.63	-.63	0	%100
56	M58A	Z	-.364	-.364	0	%100
57	M59	X	-1.027	-1.027	0	%100
58	M59	Z	-.593	-.593	0	%100
59	M60	X	-.998	-.998	0	%100
60	M60	Z	-.576	-.576	0	%100
61	M67	X	-.8	-.8	0	%100
62	M67	Z	-.462	-.462	0	%100
63	M68	X	-.2	-.2	0	%100
64	M68	Z	-.115	-.115	0	%100
65	M69	X	-.2	-.2	0	%100
66	M69	Z	-.115	-.115	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	X	-.475	-.475	0	%100
2	M6A	Z	-.822	-.822	0	%100
3	M7A	X	-.475	-.475	0	%100
4	M7A	Z	-.822	-.822	0	%100
5	M73	X	-.538	-.538	0	%100
6	M73	Z	-.932	-.932	0	%100
7	M74	X	-.134	-.134	0	%100
8	M74	Z	-.232	-.232	0	%100
9	MP4A	X	-.301	-.301	0	%100
10	MP4A	Z	-.521	-.521	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	MP3A	X	-.301	-.301	0	%100
12	MP3A	Z	-.521	-.521	0	%100
13	MP2A	X	-.301	-.301	0	%100
14	MP2A	Z	-.521	-.521	0	%100
15	MP1A	X	-.301	-.301	0	%100
16	MP1A	Z	-.521	-.521	0	%100
17	M15	X	-.096	-.096	0	%100
18	M15	Z	-.167	-.167	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M19A	X	-.135	-.135	0	%100
24	M19A	Z	-.233	-.233	0	%100
25	MP4B	X	-.301	-.301	0	%100
26	MP4B	Z	-.521	-.521	0	%100
27	MP3B	X	-.301	-.301	0	%100
28	MP3B	Z	-.521	-.521	0	%100
29	MP2B	X	-.301	-.301	0	%100
30	MP2B	Z	-.521	-.521	0	%100
31	MP1B	X	-.301	-.301	0	%100
32	MP1B	Z	-.521	-.521	0	%100
33	M31	X	-.475	-.475	0	%100
34	M31	Z	-.822	-.822	0	%100
35	M32	X	-.475	-.475	0	%100
36	M32	Z	-.822	-.822	0	%100
37	MP4C	X	-.301	-.301	0	%100
38	MP4C	Z	-.521	-.521	0	%100
39	MP3C	X	-.301	-.301	0	%100
40	MP3C	Z	-.521	-.521	0	%100
41	MP2C	X	-.301	-.301	0	%100
42	MP2C	Z	-.521	-.521	0	%100
43	MP1C	X	-.301	-.301	0	%100
44	MP1C	Z	-.521	-.521	0	%100
45	M46	X	-.581	-.581	0	%100
46	M46	Z	-1.007	-1.007	0	%100
47	M42A	X	-.385	-.385	0	%100
48	M42A	Z	-.667	-.667	0	%100
49	M45	X	-.096	-.096	0	%100
50	M45	Z	-.167	-.167	0	%100
51	M49	X	-.273	-.273	0	%100
52	M49	Z	-.473	-.473	0	%100
53	M57A	X	0	0	0	%100
54	M57A	Z	0	0	0	%100
55	M58A	X	-.273	-.273	0	%100
56	M58A	Z	-.473	-.473	0	%100
57	M59	X	-.598	-.598	0	%100
58	M59	Z	-1.036	-1.036	0	%100
59	M60	X	-.582	-.582	0	%100
60	M60	Z	-1.007	-1.007	0	%100
61	M67	X	-.346	-.346	0	%100
62	M67	Z	-.6	-.6	0	%100
63	M68	X	-.346	-.346	0	%100
64	M68	Z	-.6	-.6	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	Y	-5.64	-5.399	0	1.813
2	M6A	Y	-5.399	-4.557	1.813	3.625
3	M6A	Y	-4.557	-3.922	3.625	5.438
4	M6A	Y	-3.922	-4.095	5.438	7.25
5	M7A	Y	-.916	-2.888	0	2.024
6	M7A	Y	-2.888	-5.767	2.024	4.048
7	M7A	Y	-5.767	-6.446	4.048	6.071
8	M7A	Y	-6.446	-5.156	6.071	8.095
9	M7A	Y	-5.156	-4.459	8.095	10.119
10	M7A	Y	-4.459	-2.87	10.119	12.143
11	M7A	Y	-2.87	-.934	12.143	14.167
12	M73	Y	-3.241	-2.888	.799	3.995
13	M74	Y	-3.303	-2.888	.799	3.995
14	M74	Y	-.534	-2.518	0	1.998
15	M74	Y	-2.518	-4.503	1.998	3.995
16	M16	Y	-5.271	-5.271	.007	7.244
17	M17	Y	-.109	-3.17	0	2.024
18	M17	Y	-3.17	-5.104	2.024	4.049
19	M17	Y	-5.104	-4.748	4.049	6.073
20	M17	Y	-4.748	-4.751	6.073	8.097
21	M17	Y	-4.751	-5.11	8.097	10.121
22	M17	Y	-5.11	-3.174	10.121	12.146
23	M17	Y	-3.174	-.109	12.146	14.17
24	M19A	Y	-1.068	-5.038	0	1.998
25	M19A	Y	-5.038	-9.009	1.998	3.995
26	M73	Y	-.534	-2.517	0	1.998
27	M73	Y	-2.517	-4.501	1.998	3.995
28	M31	Y	-5.265	-5.265	.007	7.244
29	M32	Y	-.109	-3.168	0	2.025
30	M32	Y	-3.168	-5.101	2.025	4.049
31	M32	Y	-5.101	-4.743	4.049	6.074
32	M32	Y	-4.743	-4.743	6.074	8.099
33	M32	Y	-4.743	-5.101	8.099	10.124
34	M32	Y	-5.101	-3.168	10.124	12.148
35	M32	Y	-3.168	-.109	12.148	14.173

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M6A	Y	-17.354	-16.613	0	1.813
2	M6A	Y	-16.613	-14.022	1.813	3.625
3	M6A	Y	-14.022	-12.068	3.625	5.438
4	M6A	Y	-12.068	-12.6	5.438	7.25
5	M7A	Y	-2.818	-8.887	0	2.024
6	M7A	Y	-8.887	-17.743	2.024	4.048
7	M7A	Y	-17.743	-19.834	4.048	6.071
8	M7A	Y	-19.834	-15.866	6.071	8.095
9	M7A	Y	-15.866	-13.719	8.095	10.119
10	M7A	Y	-13.719	-8.83	10.119	12.143
11	M7A	Y	-8.83	-2.874	12.143	14.167
12	M73	Y	-9.972	-8.887	.799	3.995
13	M74	Y	-10.163	-8.887	.799	3.995
14	M74	Y	-1.643	-7.749	0	1.998
15	M74	Y	-7.749	-13.855	1.998	3.995
16	M16	Y	-16.22	-16.22	.007	7.244
17	M17	Y	-.334	-9.755	0	2.024
18	M17	Y	-9.755	-15.705	2.024	4.049

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M17	Y	-15.705	-14.609	4.049	6.073
20	M17	Y	-14.609	-14.617	6.073	8.097
21	M17	Y	-14.617	-15.724	8.097	10.121
22	M17	Y	-15.724	-9.766	10.121	12.146
23	M17	Y	-9.766	-.334	12.146	14.17
24	M19A	Y	-3.285	-15.502	0	1.998
25	M19A	Y	-15.502	-27.72	1.998	3.995
26	M73	Y	-1.642	-7.746	0	1.998
27	M73	Y	-7.746	-13.85	1.998	3.995
28	M31	Y	-16.199	-16.199	.007	7.244
29	M32	Y	-.334	-9.749	0	2.025
30	M32	Y	-9.749	-15.694	2.025	4.049
31	M32	Y	-15.694	-14.592	4.049	6.074
32	M32	Y	-14.592	-14.592	6.074	8.099
33	M32	Y	-14.592	-15.694	8.099	10.124
34	M32	Y	-15.694	-9.749	10.124	12.148
35	M32	Y	-9.749	-.334	12.148	14.173

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N15	N17	N18	Y	Two Way	-.005
2	N18	N17	N31	N32	Y	Two Way	-.005
3	N32	N31	N15	N16	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N15	N17	N18	Y	Two Way	-.016
2	N18	N17	N31	N32	Y	Two Way	-.016
3	N32	N31	N15	N16	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	N27	max	2603.071	10	1225.795	14	683.264	1	-1.056	11	.879	11	.543	4
2		min	-2607.022	4	342.612	8	-503.691	7	-3.239	17	-.869	5	-.531	10
3	N75B	max	50.087	10	1805.129	13	-154.777	7	0	51	0	4	0	10
4		min	-50.058	4	140.278	7	-1577.663	13	0	1	0	10	0	4
5	N74B	max	1676.167	11	1206.262	22	2438.645	12	1.762	24	1.232	5	2.722	17
6		min	-1434.27	5	331.316	4	-2519.213	6	-.012	6	-1.25	11	.807	11
7	N81	max	1445.515	9	1210.082	18	2365.817	2	1.655	14	1.239	3	-.564	2
8		min	-1680.995	3	337.759	12	-2447.57	8	.154	8	-1.22	9	-2.843	21
9	N107A	max	-135.188	3	1795.42	21	786.918	22	0	18	0	36	0	36
10		min	-1357.285	21	141.815	3	60.197	4	0	36	0	18	0	18
11	N109	max	1364.734	17	1803.574	17	788.282	17	0	8	0	8	0	8
12		min	105.426	11	104.24	11	60.879	11	0	38	0	38	0	38
13	Totals:	max	4816.429	10	8587.913	20	4690.258	1						
14		min	-4816.43	4	2956.093	3	-4690.251	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M6A	L3X3X4	.279	7.25	21	.021	0 z	17	14708.7...	46656	1.688	3.533	2...	H2-1
2	M7A	L3X3X4	.663	7.083	16	.092	7... y	1	16160.6...	46656	1.688	2.145	1	H2-1
3	M73	LL3x3x4x0	.355	3.038	22	.038	2... y	21	76293.3...	93312	6.48	4.357	1...	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
4	M74	LL3x3x4x0	.359	2.996	17	.037	2...	y	17	76293.3...	93312	6.48	4.357	1...	H1-1b
5	MP4A	PIPE_2.0	.126	3.75	10	.060	1		12	20866.7...	32130	1.872	1.872	2...	H1-1b
6	MP3A	PIPE_2.0	.256	3.75	16	.095	3...		6	20866.7...	32130	1.872	1.872	2...	H1-1b
7	MP2A	PIPE_2.0	.271	3.75	22	.081	3...		7	20866.7...	32130	1.872	1.872	2...	H1-1b
8	MP1A	PIPE_2.0	.322	3.75	1	.098	3...		10	20866.7...	32130	1.872	1.872	2...	H1-1b
9	M15	HSS4X4X4	.217	2.538	17	.108	2...	z	4	135806....	139518	16.181	16.181	1...	H1-1b
10	M16	L3X3X4	.279	7.25	17	.021	7...	z	17	14707.7...	46656	1.688	3.539	2...	H2-1
11	M17	L3X3X4	.603	7.085	14	.083	7...	z	21	16160.6...	46656	1.688	2.145	1	H2-1
12	M19A	LL3x3x4x0	.361	2.996	13	.037	2...	y	13	76293.3...	93312	6.48	4.357	1...	H1-1b
13	MP4B	PIPE_2.0	.143	3.75	6	.039	3...		7	20866.7...	32130	1.872	1.872	1...	H1-1b
14	MP3B	PIPE_2.0	.254	3.75	12	.095	1		4	20866.7...	32130	1.872	1.872	2...	H1-1b
15	MP2B	PIPE_2.0	.266	3.75	18	.087	3...		1	20866.7...	32130	1.872	1.872	2...	H1-1b
16	MP1B	PIPE_2.0	.310	3.75	5	.096	3...		7	20866.7...	32130	1.872	1.872	1...	H1-1b
17	M31	L3X3X4	.281	7.25	13	.021	7...	z	13	14706.8...	46656	1.688	3.536	2...	H2-1
18	M32	L3X3X4	.660	7.086	20	.081	7...	z	11	16160.6...	46656	1.688	2.144	1	H2-1
19	MP4C	PIPE_2.0	.143	3.75	8	.047	1		11	20866.7...	32130	1.872	1.872	2...	H1-1b
20	MP3C	PIPE_2.0	.258	3.75	20	.101	3...		11	20866.7...	32130	1.872	1.872	2...	H1-1b
21	MP2C	PIPE_2.0	.275	3.75	14	.087	1		10	20866.7...	32130	1.872	1.872	2...	H1-1b
22	MP1C	PIPE_2.0	.313	3.75	9	.093	3...		1	20866.7...	32130	1.872	1.872	1...	H1-1b
23	M46	LL3x3x3x6	.052	5.426	13	.003	5...	y	24	46284.6...	70632	6.362	3.751	1	H1-1b*
24	M42A	HSS4X4X4	.217	2.538	23	.121	2...	z	12	135806....	139518	16.181	16.181	1...	H1-1b
25	M45	HSS4X4X4	.217	2.538	21	.116	2...	z	2	135806....	139518	16.181	16.181	1...	H1-1b
26	M49	PIPE_2.5	.149	7.682	21	.047	7...		12	34285.4...	50715	3.596	3.596	1	H1-1b
27	M57A	PIPE_2.5	.154	7.682	17	.040	1...		4	34285.4...	50715	3.596	3.596	1	H1-1b
28	M58A	PIPE_2.5	.148	7.682	13	.042	1...		10	34285.4...	50715	3.596	3.596	1	H1-1b
29	M59	LL3x3x3x6	.051	5.424	21	.003	5...	y	21	46285.1...	70632	6.362	3.751	1	H1-1b*
30	M60	LL3x3x3x6	.052	5.426	17	.003	0	y	17	46284.6...	70632	6.362	3.751	1	H1-1b*
31	M67	L3X3X4	.193	0	4	.018	0	z	3	41935.6...	46656	1.688	3.756	1...	H2-1
32	M68	L3X3X4	.207	0	11	.021	0	z	10	41935.6...	46656	1.688	3.756	2...	H2-1
33	M69	L3X3X4	.189	2.194	11	.017	0	z	7	41935.6...	46656	1.688	3.756	2...	H2-1

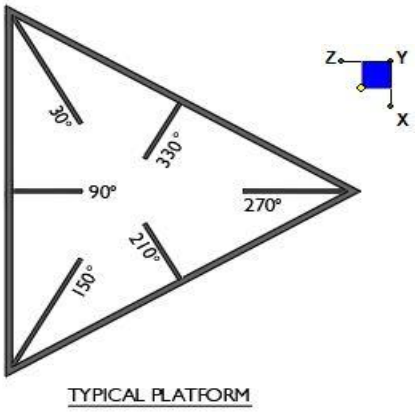
Client:	Verizon Wireless	Date:	6/21/2021
Site Name:	West Farms CT		
Project No.	21777585A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

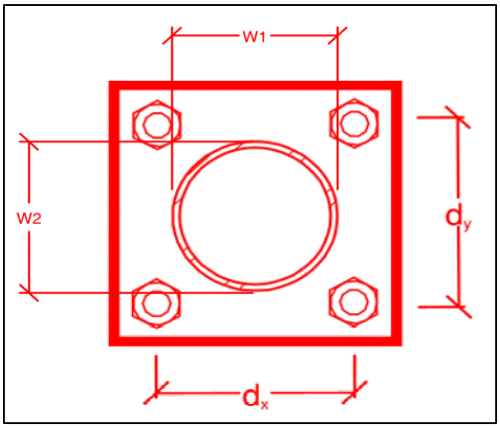
I. Mount-to-Tower Connection Check

RISA Model Data

Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N27	90
N81	330
N74B	210



TYPICAL PLATFORM



Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
W1 (in):	4
W2 (in):	4
Weld Size (1/16 in):	3
Required Weld Strength (kip/in):	1.85
Weld Capacity:	**44.3%**

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Purpose – to provide MASER CONSULTING the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact MASER CONSULTING immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded **to** https://pmi.vzwsmart.com as depicted on the drawings

Photo Requirements:

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

- *Photos taken at Mount Elevation*
    - Photos showing each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
        - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
    - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
    - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
    - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
    - Photos showing the safety climb wire rope above and below the mount prior to modification.
    - Photos showing the climbing facility and safety climb if present.

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Special Instructions / Validation as required from the MA or Mod Drawings:

Issue:

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

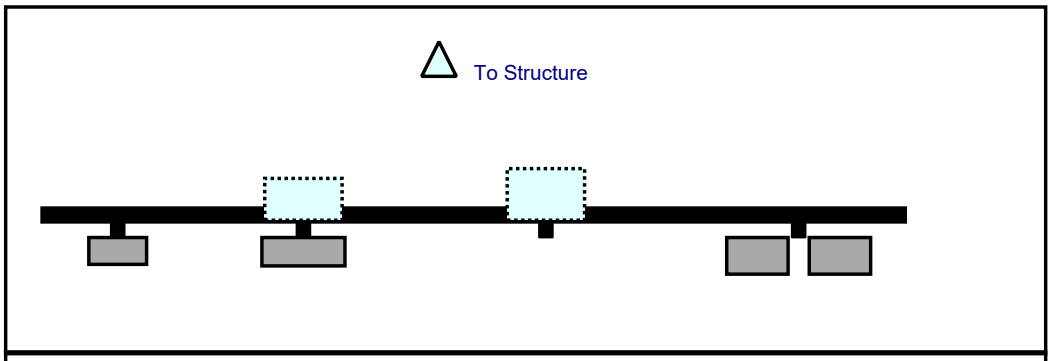
Structure: 469196-VZW - WEST FARMS CT

Sector: **A** 6/21/2021

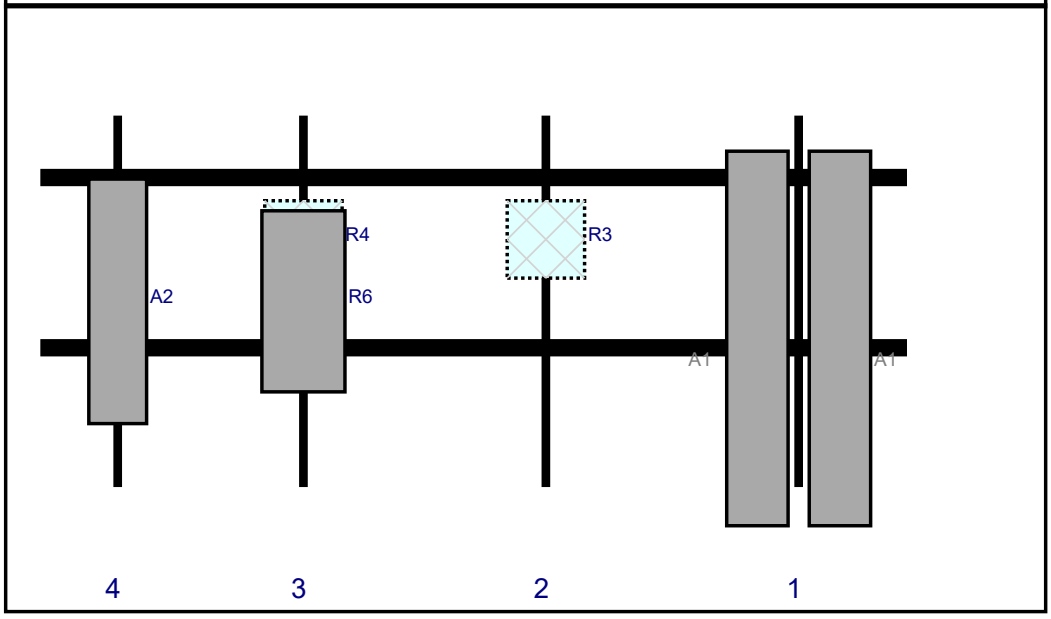
Structure Type: Monopole 10050677

Mount Elev: 109.50 Page: 1

Plan View

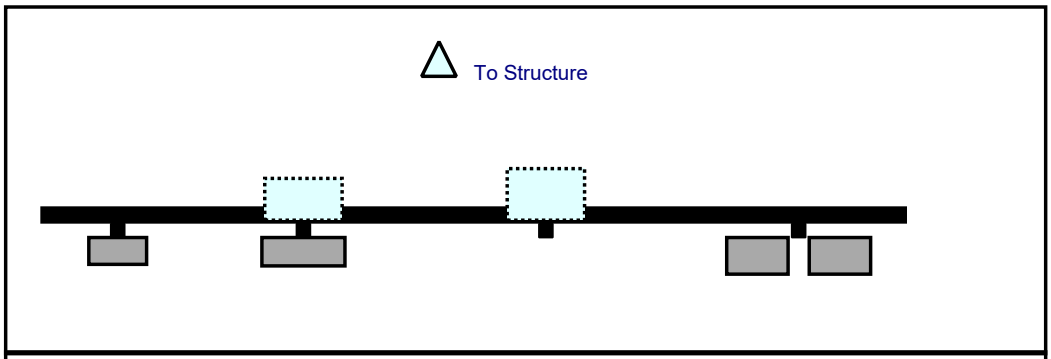


Front View
Looking at Structure

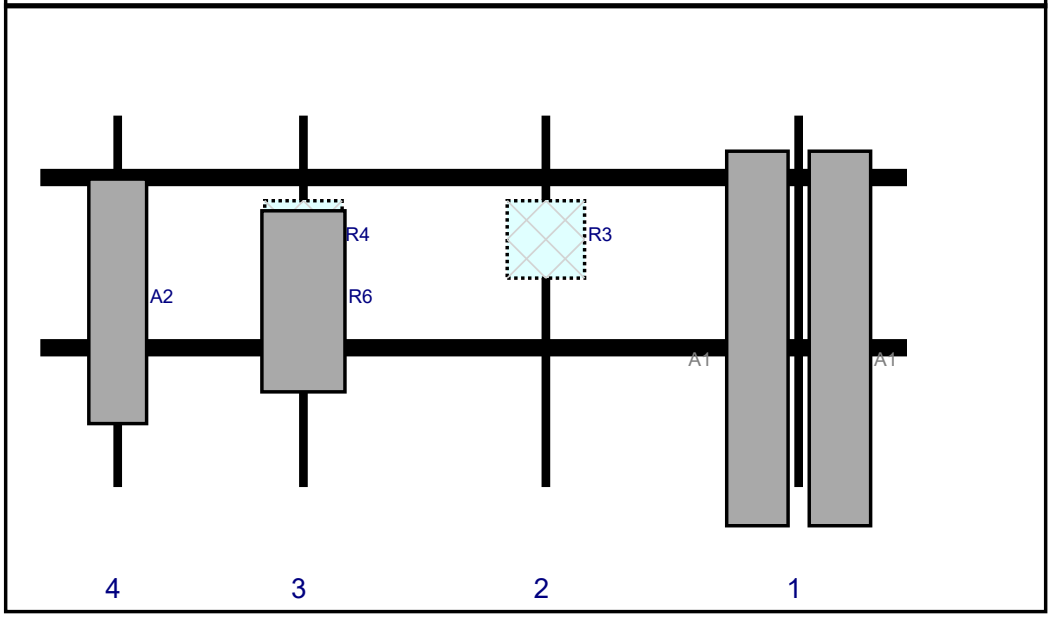


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	SBNHH-1D65B	72.6	11.9	147	1	a	Front	43.2	8	Retained	04/18/2021
A1	SBNHH-1D65B	72.6	11.9	147	1	b	Front	43.2	-8	Retained	04/18/2021
R3	B2/B66A RRH-BRO49	15	15	98	2	a	Behind	24	0	Retained	04/18/2021
R4	B5/B13 RRH-BRO4C	15	15	51	3	a	Behind	24	0	Retained	04/18/2021
R6	MT6407-77A	35.1	16.1	51	3	a	Front	36	0	Added	
A2	BXA-80063/4CF	47.4	11.2	15	4	a	Front	36	0	Retained	04/18/2021

Plan View



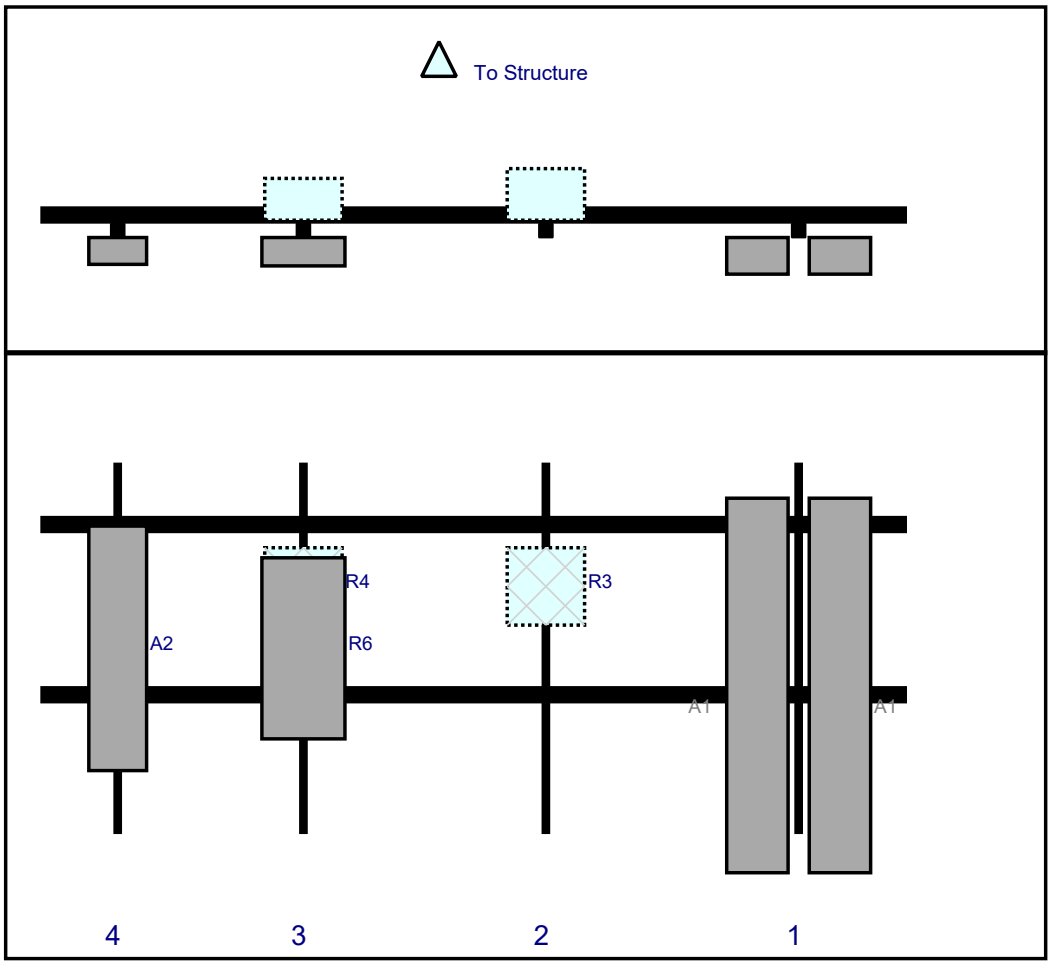
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	SBNHH-1D65B	72.6	11.9	147	1	a	Front	43.2	8	Retained	04/18/2021
A1	SBNHH-1D65B	72.6	11.9	147	1	b	Front	43.2	-8	Retained	04/18/2021
R3	B2/B66A RRH-BRO49	15	15	98	2	a	Behind	24	0	Retained	04/18/2021
R4	B5/B13 RRH-BRO4C	15	15	51	3	a	Behind	24	0	Retained	04/18/2021
R6	MT6407-77A	35.1	16.1	51	3	a	Front	36	0	Added	
A2	BXA-80063/4CF	47.4	11.2	15	4	a	Front	36	0	Retained	04/18/2021

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	SBNHH-1D65B	72.6	11.9	147	1	a	Front	43.2	-8	Retained	04/18/2021
A1	SBNHH-1D65B	72.6	11.9	147	1	b	Front	43.2	8	Retained	04/18/2021
R3	B2/B66A RRH-BRO49	15	15	98	2	a	Behind	24	0	Retained	04/18/2021
R4	B5/B13 RRH-BRO4C	15	15	51	3	a	Behind	24	0	Retained	04/18/2021
R6	MT6407-77A	35.1	16.1	51	3	a	Front	36	0	Added	
A2	BXA-80063/4CF	47.4	11.2	15	4	a	Front	36	0	Retained	04/18/2021

Maser Consulting Connecticut

Subject	TIA-222-H Adoption and Wind Speed Usage	
Site Information	*Site ID:*	*469196-VZW / WEST FARMS CT*
	Site Name:	*WEST FARMS CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*605 Willard Ave* *Newington, Connecticut 06111* *Hartford County*
	Latitude:	*41.698372°*
	Longitude:	*-72.737147°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.00-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. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

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

Taqi Khawaja, PE
Technical Manager

Site Name: ***WEST FARMS CT***
Cumulative Power Density

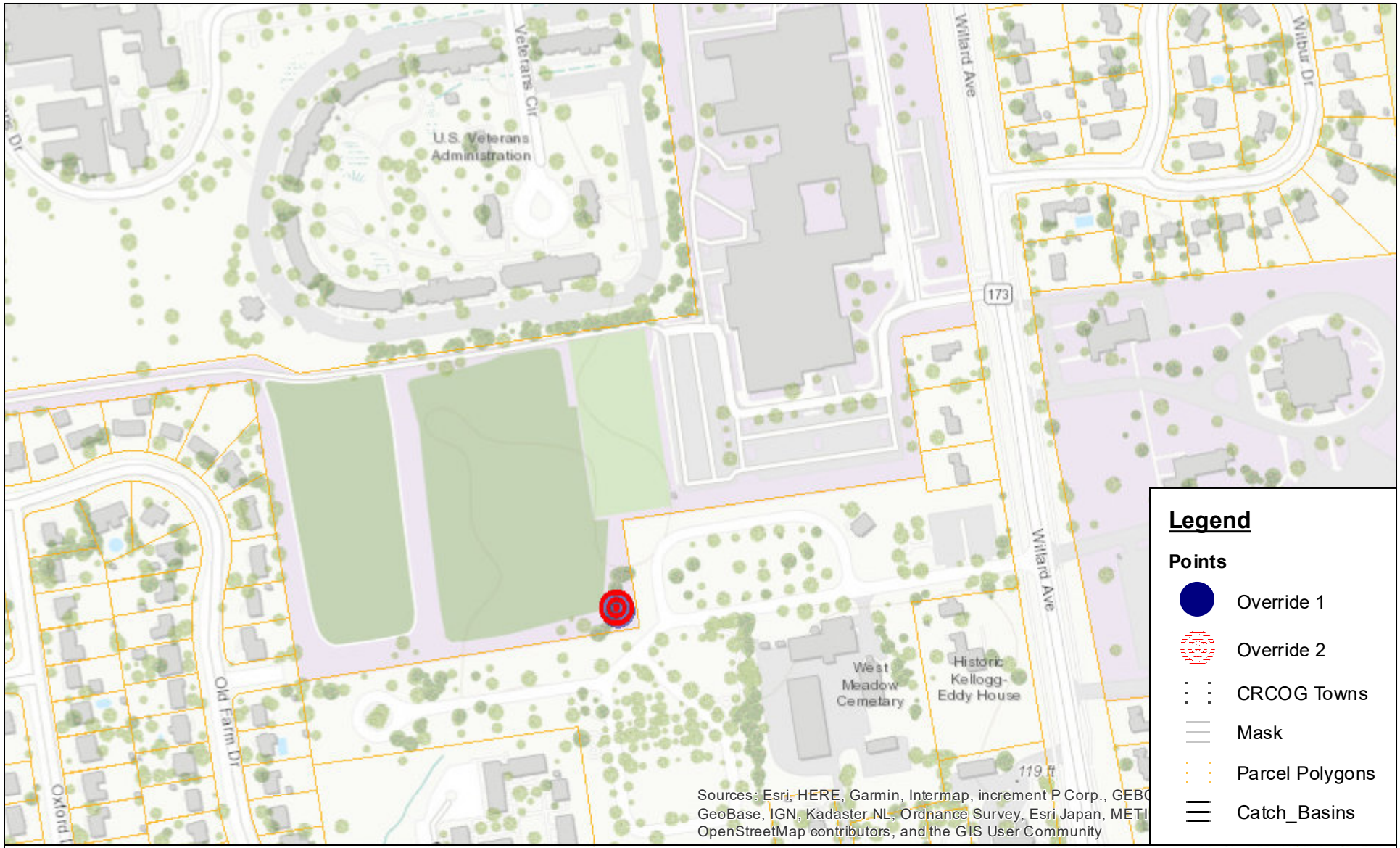
Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	697	2788	110	0.0083	0.5007	1.66%
VZW CDMA	869	2	401	802	110	0.0024	0.5793	0.41%
VZW Cellular	869	4	826	3304	110	0.0098	0.5793	1.70%
VZW PCS	1980	4	1593	6372	110	0.0189	1.0000	1.89%
VZW AWS	2125	4	1541	6164	110	0.0183	1.0000	1.83%
VZW CBAND	3730	4	6531	26124	110	0.0776	1.0000	7.76%
Total Percentage of Maximum Permissible Exposure								15.25%

*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.

ArcGIS Web Map



N
W E
S

CRCOG CAPITOL REGION COUNCIL OF GOVERNMENTS
Working together for a better region.

CRCOG makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Scale
1:4,514
Created: 8/13/2021

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2020.

Information on the Property Records for the Municipality of Newington was last updated on 8/13/2021.

Parcel Information

Location:	605 WILLARD AVE	Property Use:	School	Primary Use:	Elementary School
Unique ID:	N0046500	Map Block Lot:	09/300/000	Acres:	80.59
490 Acres:	0.00	Zone:	R-12/	Volume / Page:	189/67
Developers Map / Lot:	N/W 1860 & 1969	Census:			

Value Information

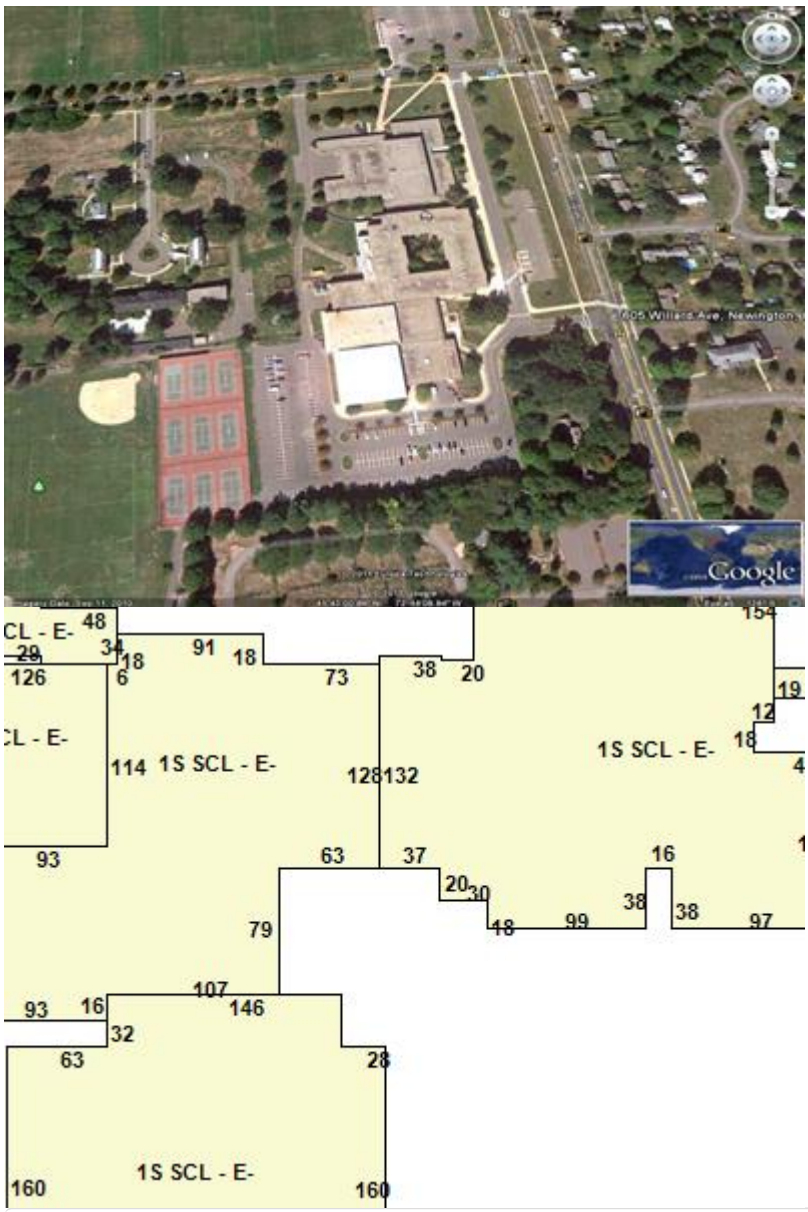
	Appraised Value	Assessed Value
Land	8,147,790	5,703,460
Buildings	23,874,620	16,712,230
Detached Outbuildings	407,900	285,530

	Appraised Value	Assessed Value
Total	32,430,310	22,701,220

Owner's Information

Owner's Data
NEWINGTON TOWN OF NEWINGTON HIGH SCHOOL 200 GARFIELD ST NEWINGTON, CT 06111

Building 1



Category:	School	Use:	High School	GLA:	171,729
Stories:	1.00	Construction:	Masonry	Year Built:	1971
Heating:	Forced Hot Air	Fuel:	Natural Gas	Cooling Percent:	100
Siding:	Brick	Roof Material:	Asphalt	Beds/Units:	0

Special Features

Wet Sprinklers	171729

Attached Components

Detached Outbuildings

Type:	Year Built:	Length:	Width:	Area:
Tennis Courts	1971	0.00	0.00	10,000
4 Ft Chain Fence	1978	1.00	25,000.00	25,000
Paving	1978	1.00	175,000.00	175,000
Gunite Pool	1971	1.00	3,344.00	3,344
Frame Shed	1978	1.00	288.00	288

Owner History - Sales

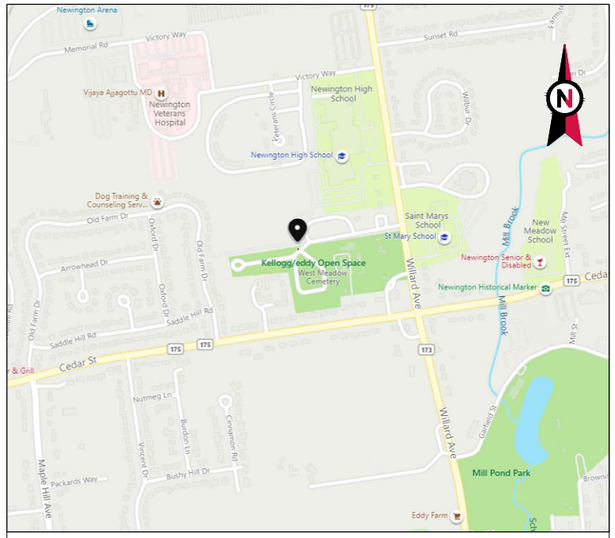
Owner Name	Volume	Page	Sale Date	Deed Type	Sale Price
NEWINGTON TOWN OF	0189	0067	09/20/1968		$0
NEWINGTON TOWN OF	0182	0151	10/03/1967		$0
NEWINGTON TOWN OF	0180	0281	07/27/1967		$0
U S GOVT	0027	0488	01/11/1930		$0

Building Permits

Permit Number	Permit Type	Date Opened	Reason
E-20-27	Electrical	01/22/2020	Install low voltage cameras to existing system.
E-19-299	Electrical	08/14/2019	INSTALL 155 LOCATIONS WITH 3 CAT 6 PLENUM RATED CABLER PER. REMOVAL NOT INCLUDED
B-19-215	Other	04/30/2019	SWAP (6) PANELS AND SWAP (3) RRUs INSTALL (1) 1-1/4" HYBRID CABLE, AND (1) 1-5/8" HYBRID CABLE
B-19-75	Comm Renovations	02/26/2019	BUILD 8X12 ROOM OF I.T. SERVER
E-19-33	Electrical	02/12/2019	Newington High School, 605 Willard Ave, Newington -- Installation of a 12 strand, OS2 Armored Plenum
E-19-32	Electrical	02/11/2019	Install 200Amp Transfer switch
B-18-714	Comm Renovations	12/11/2018	UPGRADE AND REINFORCE MOUNTS WITH (3) RELOCATED & (3) REPLACEMENT ANTENNAS, (6) REPLACEMENT RRUs AN
M-18-209	Mechanical	08/08/2018	Install HVAC per plans and specifications. Includes ductless heat-pump system with air to air heat e
M-18-192	Mechanical	07/30/2018	INSTALL NEW GAS LINE & REPLACE BURNER
P-18-149	Fire Sprinkler	07/27/2018	INSTALL SPRINKLER HEADS IN NEW CEILINGS OF ART ROOMS 415, 415A, 416, 417, 418.
P-18-139	Plumbing	07/12/2018	INSTALL MEN & WOMEN'S HANDICAP BATHROOM, 3 W/C, 2 LAVS OFF KITCHEN
B-18-387	Comm Renovations	07/11/2018	INSTALL NEW SUSPENDED CEILING, REWORK SPRINKLERS.
B-18-290	Comm Renovations	06/01/2018	DEMO OF EXISTING EMPLOYEES TOILETS TO MAKE ADA ACCESSABLE
B-18-265	Remodel	05/24/2018	AT&T, an existing tenant on the existing wireless communication tower proposes to upgrade its equipm
E-18-167	Electrical	05/22/2018	Install 120 Volt power to 10 auto door openers
E-18-162	Other	05/17/2018	Replace existing generator and transfer switch
B-17-686	Comm Renovations	12/05/2017	ADDITION OF THREE (3) ANTENNAS AND THREE (3) RRHS ONTO EXISTING COMMUNICATION TOWER AT THE CURRENT C

Permit Number	Permit Type	Date Opened	Reason
E-17-451	Other	11/28/2017	Newington High School, Running fiber cable from the MDF to the Mech Room, through drop ceiling in ra
E-17-229	Electrical	07/18/2017	RENOVATION OF ART CLASS ROOMS. INCLUDES DEMO AND ALL NEW WIRING, BOTH HIGH & LOW VOLTAGE. PER PLAN
P-17-126	Plumbing	07/10/2017	INSTALL PLUMBING FOR SINKS & EMERGENCY EYE WASH & SHOWERS ART ROOMS 414, 415, 416, 417, 418. MOVE R
E-17-161	Electrical	05/25/2017	RELOCATION OF LOW-VOLTAGE FIBER CABLING IN ROOMS 418, 413, AND THE OFFICE
B-17-121	Comm Renovations	03/29/2017	RENOVATION OF ART ROOMS AT HIGH SCHOOL NORTH END
E-17-28	Electrical	01/24/2017	Install Burglar, access control and CCTV system.
E-16-549	Electrical	12/23/2016	COMPLETE CONTROL WIRING FOR (5) RTU'S, (1) EXHAUST FAN, (2) CABINET UNIT HEATERS, (2) RADIATORS AND
E-16-539	Electrical	12/15/2016	ELECTRICAL ALTERATIONS AS PER PLANS & SPECS ON FILE. POWER LIGHTING FIRE ALARM
P-16-259	Fire Sprinkler	12/13/2016	RELOCATE 4" MAIN FOR DUCTWORK BEING INSTALLED & RELOCATED. MISC. BRANCH PIPING AND DROP NEW HEADS I
P-16-242	Plumbing	11/23/2016	Plumbing Fixtures, Piping & Gas line
M-16-305	Air Conditioning	11/23/2016	New Sheet Metal, New Roof Top Units, New Cabinet Unit Heaters, New Gas Lines, New Radiators
P-16-195	Plumbing	09/21/2016	ROUGH UNDERGROUND PLUMBING FOR PHASE 1 CULINARY ARTS AREA. 2 H/C BATHROOMS, 2 F.O., 2 HANDSINKS, GR
B-16-589	Comm Renovations	08/04/2016	10,00 SQ FT CONVERT INDUSTRIAL TECH PROGRAM TO A STEM PROGRAM.
TB-16-475	Commercial Demolition	05/30/2016	DEMO OF EXISTING SPACE.
M-16-75	Air Conditioning	04/20/2016	AC
B-15-606	Comm Renovations	02/23/2016	(3) PANEL ANTENNAS AND ADD A NEW COMMSCOPE
TB-14-295	Addition	05/20/2014	ADDITION TO BAND ROOM

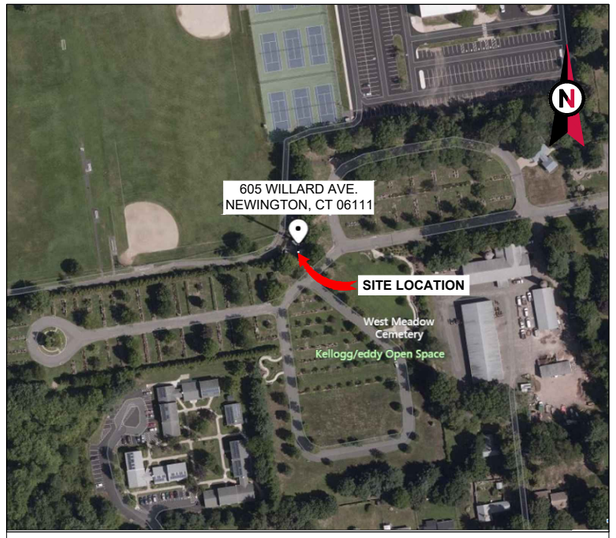
Permit Number	Permit Type	Date Opened	Reason
TB-13-197	Remodel	04/26/2013	AAUDITORIUM, BAND AND CHORUS ROOMS
B-11-429	Commercial New	08/16/2011	New construct
B-11-352	Remodel	08/03/2011	remodel
TB-11-352	Remodel	06/28/2011	Remodel
	Addition	06/28/2010	Gym flr replacement / misc



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: NEWINGTON CT
ATC SITE NUMBER: 370627
VERIZON SITE NAME: WEST FARMS CT
VERIZON SITE NUMBER: 469196
SITE ADDRESS: 605 WILLARD AVE.
NEWINGTON, CT 06111



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. 2015 INTERNATIONAL BUILDING CODE (IBC)
2. 2017 NATIONAL ELECTRIC CODE (NEC)
3. 2018 CONNECTICUT STATE BUILDING CODE
4. CITY/COUNTY ORDINANCES

UTILITY COMPANIES

POWER COMPANY: CONNECTICUT LIGHT AND POWER
PHONE: (888) 783-6617

TELEPHONE COMPANY: FRONTIER COMMUNICATIONS
PHONE: (800) 921-8102

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

PROJECT SUMMARY

SITE ADDRESS:

605 WILLARD AVE.

NEWINGTON, CT 06111

COUNTY: HARTFORD

GEOGRAPHIC COORDINATES:

LATITUDE: 41.69837222

LONGITUDE: -72.73714722

GROUND ELEVATION: 102' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS

ENGINEER:

CLS ENGINEERING, PLLC
319 CHAPANOKE RD, SUITE 118
RALEIGH, NC 27603
PH: (405)348-5460
FAX: (405)341-4625

PROPERTY OWNER:

TOWN OF NEWINGTON
605 WILLARD AVE.
NEWINGTON, CT 06111

PROJECT DESCRIPTION

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

TOWER WORK:

REMOVE (3) ANTENNA(s), AND (6) 1-5/8" COAX CABLE(s)

INSTALL (3) ANTENNA(s)

EXISTING (9) ANTENNA(s), (6) RRU(s), OVP(s), (2) 6X12 HYBRIFLEX AND (6) 1-5/8" COAX CABLE(s) TO REMAIN

THE PROPOSED PROJECT DOES NOT INCLUDE ELECTRICAL SCOPE

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

FROM DOWNTOWN HARTFORD START OUT GOING SOUTH ON MAIN ST TOWARD WELLS ST. TURN LEFT ONTO SHELDON ST. TURN SLIGHT LEFT ONTO RAMP. MERGE ONTO WHITEHEAD HWY E. MERGE ONTO I-91 S TOWARD NEW HAVEN. MERGE ONTO US-5 S/CT-15 S VIA EXIT 28 TOWARD BERLIN TPKE/WETHERSFIELD/NEWINGTON. TAKE THE CT-175 E EXIT TOWARD WETHERSFIELD. TURN LEFT ONTO E CEDAR ST/CT-175. TURN RIGHT ONTO OLD FARM DR. 60 OLD FARM DR IS ON THE RIGHT.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	07/21/21	MH
G-002	GENERAL NOTES	0	07/21/21	MH
C-101	DETAILED SITE PLAN	0	07/21/21	MH
C-201	TOWER ELEVATION	0	07/21/21	MH
C-401	ANTENNA INFORMATION & SCHEDULE	0	07/21/21	MH
C-501	CONSTRUCTION DETAILS	0	07/21/21	MH
E-501	GROUNDING DETAILS	0	07/21/21	MH
R-601	SUPPLEMENTAL			
R-602	SUPPLEMENTAL			

AMERICAN TOWER®

CLS ENGINEERING PLLC
319 CHAPANOKE ROAD, SUITE 118, RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625

COA# PEC.001833 EXP: 08/14/2021

REV.	DESCRIPTION	BY	DATE
A	PRELIM	JRL	05/28/21
0	FOR CONSTRUCTION	MH	07/21/21

ATC SITE NUMBER:
370627

ATC SITE NAME:
NEWINGTON CT

VERIZON SITE NAME:

WEST FARMS CT

SITE ADDRESS:
605 WILLARD AVE.
NEWINGTON, CT 06111

SEAL:

STATE OF CONNECTICUT
TYLER M BARKER
No. 32402
LICENSED
PROFESSIONAL ENGINEER

Tyler M. Barker
CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
07/21/2021

PE# 32402 EXP: 01/31/2022

verizon

DATE DRAWN:	07/21/21
ATC JOB NO:	13668695_D1
CUSTOMER ID:	WEST FARMS CT
CUSTOMER #:	469196

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®

CLS ENGINEERING PLLC
319 CHAPANOKE ROAD, SUITE 118, RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625

COA# PEC.001833 EXP: 08/14/2021

REV.	DESCRIPTION	BY	DATE
A	PRELIM	JRL	05/28/21
0	FOR CONSTRUCTION	MH	07/21/21

ATC SITE NUMBER:
370627

ATC SITE NAME:
NEWINGTON CT

VERIZON SITE NAME:
WEST FARMS CT

SITE ADDRESS:
605 WILLARD AVE.
NEWINGTON, CT 06111

SEAL:

STATE OF CONNECTICUT · TYLER M BARKER · No. 32402 · LICENSED PROFESSIONAL ENGINEER

Tyler M. Barker
CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
07/21/2021

PE# 32402 EXP: 01/31/2022

verizon

DATE DRAWN:	07/21/21
ATC JOB NO:	13668695_D1
CUSTOMER ID:	WEST FARMS CT
CUSTOMER #:	469196

GENERAL NOTES

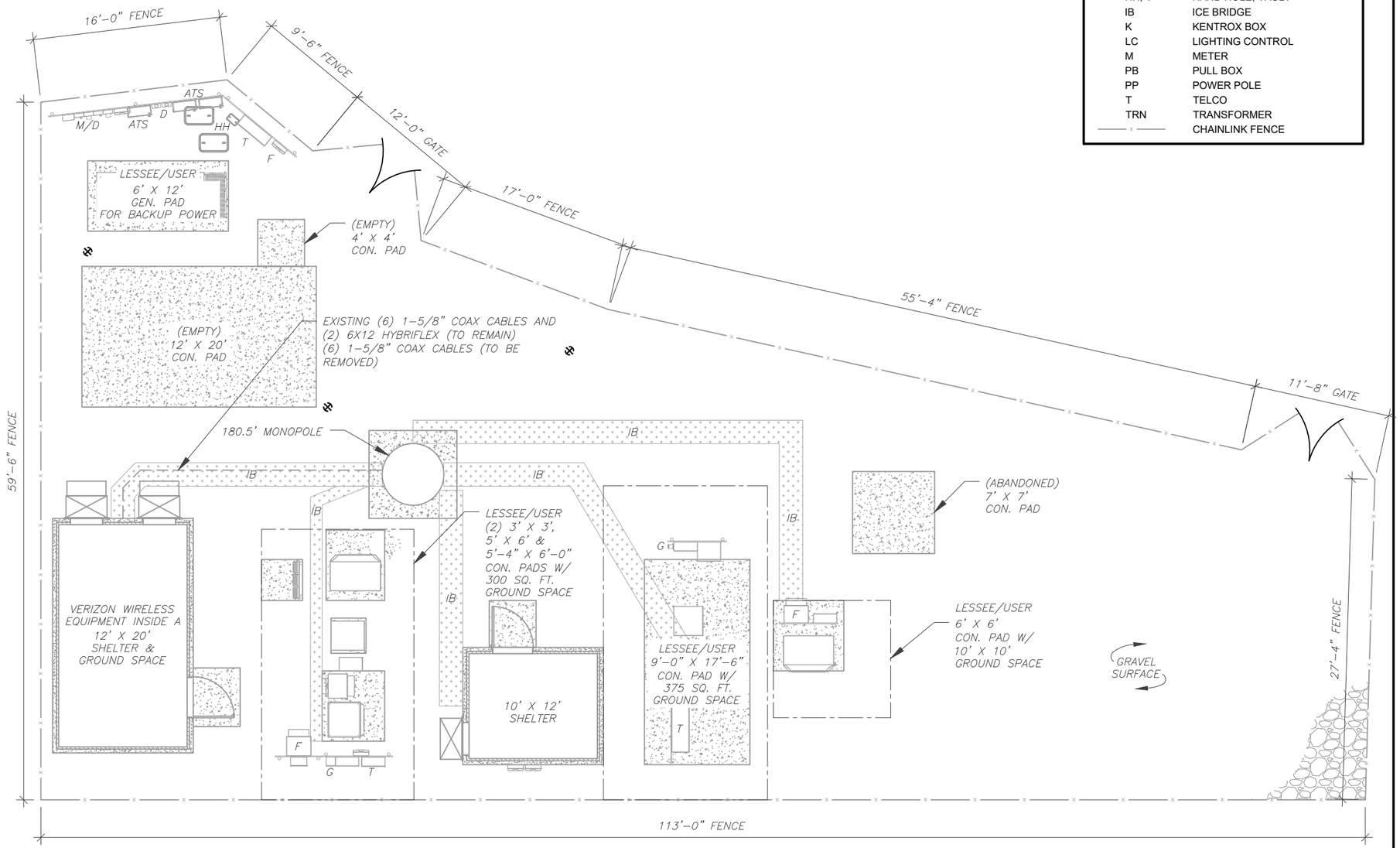
SHEET NUMBER:	REVISION:
G-002	0

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

AMERICAN TOWER®

CLS ENGINEERING PLLC
319 CHAPANOKE ROAD, SUITE 118, RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625

COA# PEC.001833 EXP: 08/14/2021

REV.	DESCRIPTION	BY	DATE
A	PRELIM	JRL	05/28/21
0	FOR CONSTRUCTION	MH	07/21/21

ATC SITE NUMBER:
370627

ATC SITE NAME:
NEWINGTON CT

VERIZON SITE NAME:
WEST FARMS CT

SITE ADDRESS:
605 WILLARD AVE.
NEWINGTON, CT 06111

SEAL:

STATE OF CONNECTICUT
TYLER M BARKER
No. 32402
LICENSED
PROFESSIONAL ENGINEER

Tyler M. Barker
CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
07/21/2021

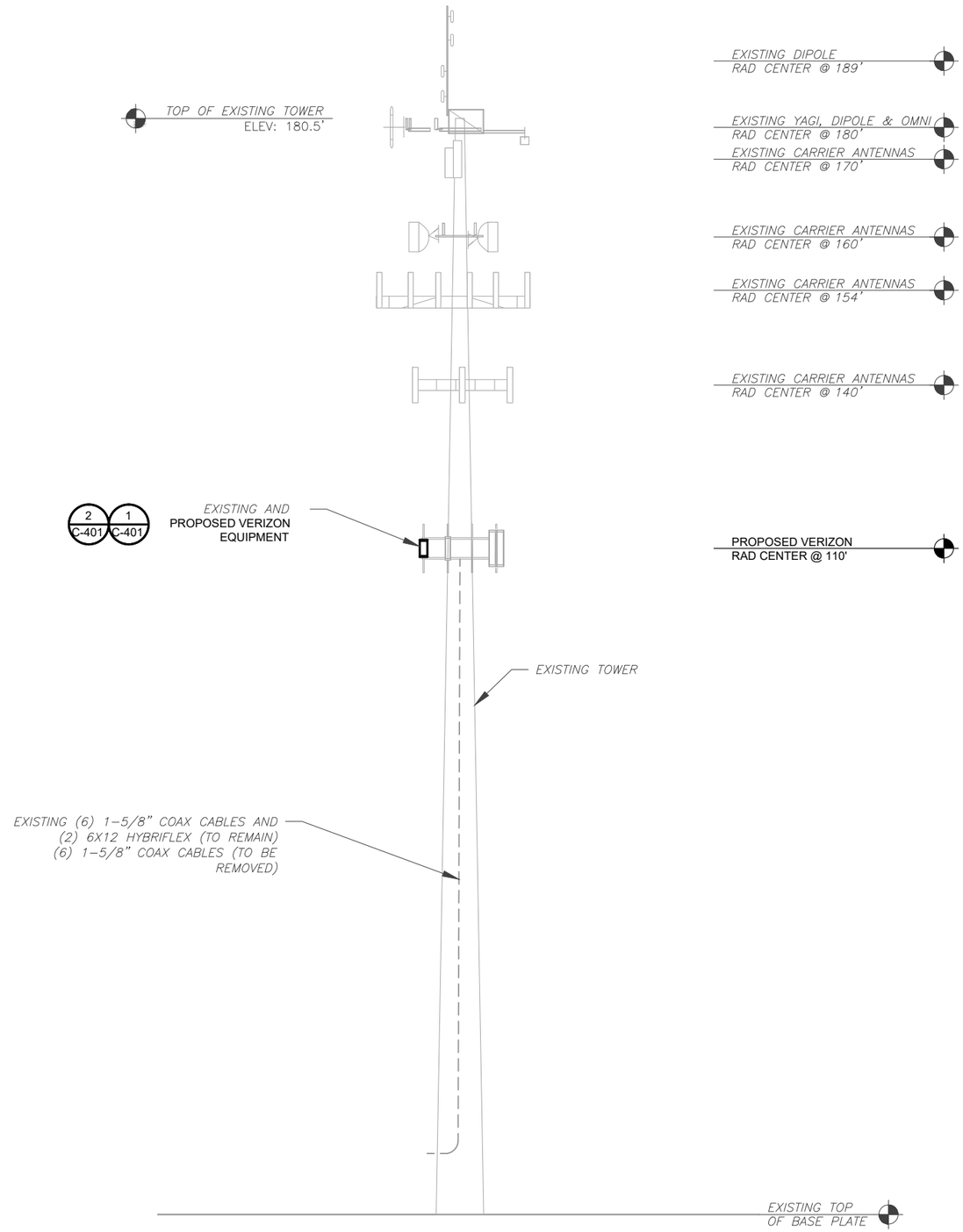
PE# 32402 EXP: 01/31/2022

verizon

DATE DRAWN:	07/21/21
ATC JOB NO:	13668695_D1
CUSTOMER ID:	WEST FARMS CT
CUSTOMER #:	469196

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0



1 TOWER ELEVATION
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING CONNECTICUT, DATED JUNE 25, 2021, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING

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.)

AMERICAN TOWER®

CLS ENGINEERING PLLC
319 CHAPANOKE ROAD, SUITE 118, RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625

COA# PEC.001833 EXP: 08/14/2021

REV.	DESCRIPTION	BY	DATE
A	PRELIM	JRL	05/28/21
0	FOR CONSTRUCTION	MH	07/21/21

ATC SITE NUMBER:
370627

ATC SITE NAME:
NEWINGTON CT

VERIZON SITE NAME:

WEST FARMS CT

SITE ADDRESS:
605 WILLARD AVE.
NEWINGTON, CT 06111

SEAL:

STATE OF CONNECTICUT
TYLER M BARKER
No. 32402
LICENSED
PROFESSIONAL ENGINEER

Tyler M. Barker
CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
07/21/2021

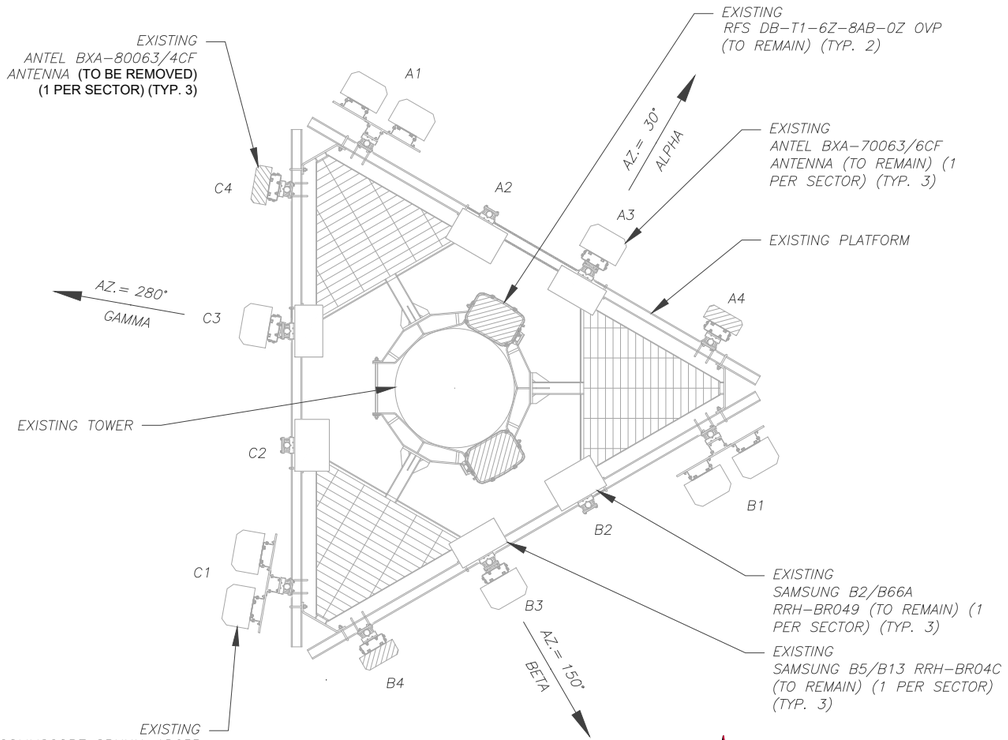
PE# 32402 EXP: 01/31/2022

verizon

DATE DRAWN:	07/21/21
ATC JOB NO:	13668695_D1
CUSTOMER ID:	WEST FARMS CT
CUSTOMER #:	469196

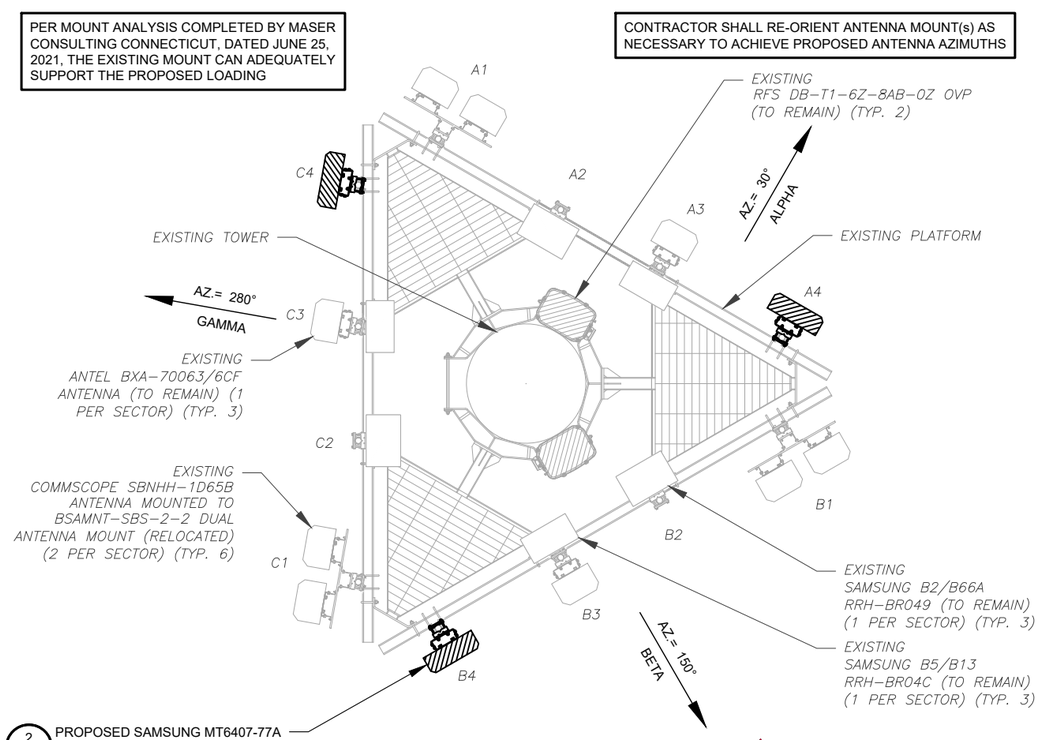
TOWER ELEVATION

SHEET NUMBER:	REVISION:
C-201	0



1 EXISTING ANTENNA PLAN

SCALE: N.T.S.



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	110'	30°	A1	(2) COMMSCOPE SBNHH-1D65B	LTE 700/LTE 850 5G/LTE 1900/LTE AWS	0/5/2/3	RMN	–	–
			A2	–	–	–	–	SAMSUNG B2/B66A RRH-BR049	RMN
			A3	ANTEL BXA-70063/6CF	–	–	RMN	SAMSUNG B5/B13 RRH-BR04C	RMN
			A4	ANTEL BXA-80063/4CF	CDMA 850	0/0	RMV	–	–
BETA	110'	150°	B1	(2) COMMSCOPE SBNHH-1D65B	LTE 700/LTE 850 5G/LTE 1900/LTE AWS	0/6/2/3	RMN	–	–
			B2	–	–	–	–	SAMSUNG B2/B66A RRH-BR049	RMN
			B3	ANTEL BXA-70063/6CF	–	–	RMN	SAMSUNG B5/B13 RRH-BR04C	RMN
			B4	ANTEL BXA-80063/4CF	CDMA 850	0/0	RMV	–	–
GAMMA	110'	280°	C1	(2) COMMSCOPE SBNHH-1D65B	LTE 700/LTE 850 5G/LTE 1900/LTE AWS	0/8/2/4	RMN	–	–
			C2	–	–	–	–	SAMSUNG B2/B66A RRH-BR049	RMN
			C3	ANTEL BXA-70063/6CF	–	–	RMN	SAMSUNG B5/B13 RRH-BR04C	RMN
			C4	ANTEL BXA-80063/4CF	CDMA 850	4/0	RMV	–	–

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'

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	110'	30°	A1	(2) COMMSCOPE SBNHH-1D65B	LTE 700/LTE 850 5G/LTE 1900/LTE AWS	0/5/2	RMN	–	–
			A2	-	-	-	-	SAMSUNG B2/B66A RRH-BR049	RMN
			A3	ANTEL BXA-70063/6CF	–	–	RMN	SAMSUNG B5/B13 RRH-BR04C	RMN
			A4	SAMSUNG MT6407-77A	5G L-SUB6	0/3	ADD	–	–
BETA	110'	150°	B1	(2) COMMSCOPE SBNHH-1D65B	LTE 700/LTE 850 5G/LTE 1900/LTE AWS	0/6/2/3	RMN	–	–
			B2	-	-	-	-	SAMSUNG B2/B66A RRH-BR049	RMN
			B3	ANTEL BXA-70063/6CF	–	–	RMN	SAMSUNG B5/B13 RRH-BR04C	RMN
			B4	SAMSUNG MT6407-77A	5G L-SUB6	0/3	ADD	–	–
GAMMA	110'	280°	C1	(2) COMMSCOPE SBNHH-1D65B	LTE 700/LTE 850 5G/LTE 1900/LTE AWS	0/8/2/4	RMN	–	–
			C2	-	-	-	-	SAMSUNG B2/B66A RRH-BR049	RMN
			C3	ANTEL BXA-70063/6CF	–	–	RMN	SAMSUNG B5/B13 RRH-BR04C	RMN
			C4	SAMSUNG MT6407-77A	5G L-SUB6	0/3	ADD	–	–

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
–	–	(6) 1-5/8"	–	RMV
(2) RAYCAP RRFDC-3315-PF-48 OVP	RMN	(6) 1-5/8"	(2) 6X12 HYBRIFLEX	RMN

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(2) RAYCAP RRFDC-3315-PF-48 OVP	RMN	(6) 1-5/8"	(2) 6X12 HYBRIFLEX	RMN
–	–	–	–	–

3 EQUIPMENT SCHEDULES

AMERICAN TOWER®

CLS ENGINEERING PLLC
319 CHAPANOKE ROAD, SUITE 118, RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625

COA# PEC.001833 EXP: 08/14/2021

REV.	DESCRIPTION	BY	DATE
A	PRELIM	JRL	05/28/21
0	FOR CONSTRUCTION	MH	07/21/21

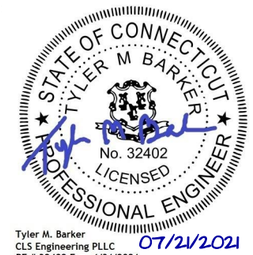
ATC SITE NUMBER:
370627

ATC SITE NAME:
NEWINGTON CT

VERIZON SITE NAME:
WEST FARMS CT

SITE ADDRESS:
605 WILLARD AVE.
NEWINGTON, CT 06111

SEAL:



Tyler M. Barker
CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
07/21/2021

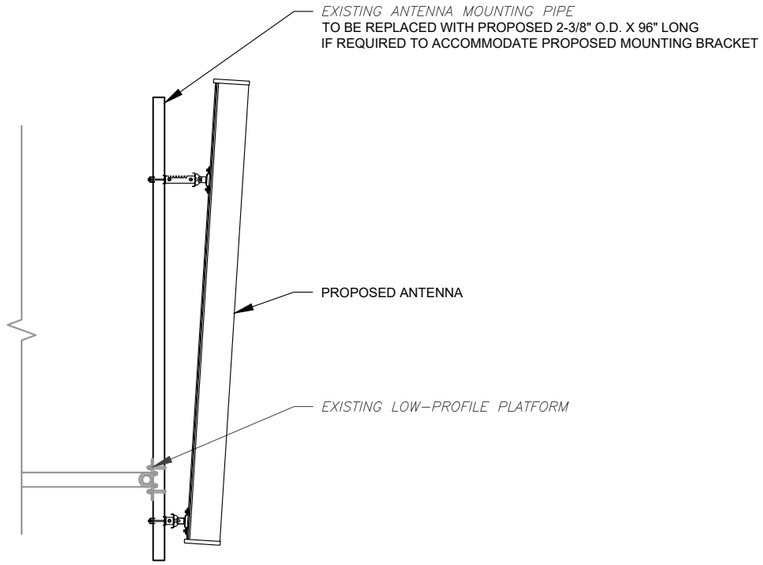
PE# 32402 EXP: 01/31/2022

verizon

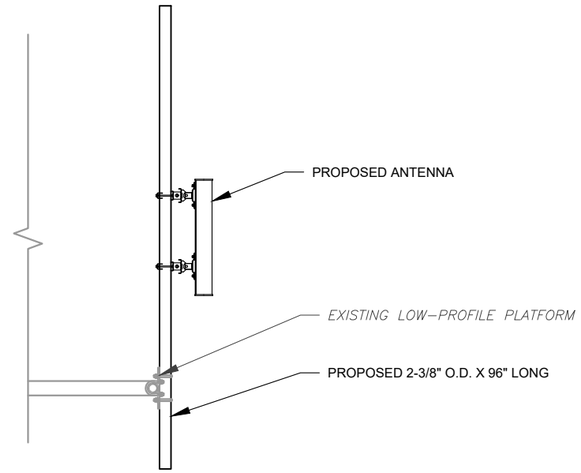
DATE DRAWN:	07/21/21
ATC JOB NO:	13668695_D1
CUSTOMER ID:	WEST FARMS CT
CUSTOMER #:	469196

ANTENNA INFORMATION & SCHEDULE

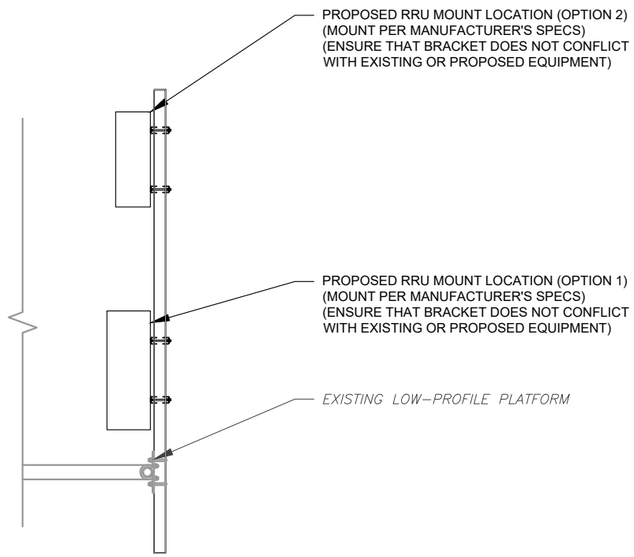
SHEET NUMBER:	REVISION:
C-401	0



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.

AMERICAN TOWER®

CLS ENGINEERING PLLC
319 CHAPANOKE ROAD, SUITE 118, RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625

COA# PEC.001833 EXP: 08/14/2021

REV.	DESCRIPTION	BY	DATE
A	PRELIM	JRL	05/28/21
0	FOR CONSTRUCTION	MH	07/21/21

ATC SITE NUMBER:
370627

ATC SITE NAME:
NEWINGTON CT

VERIZON SITE NAME:
WEST FARMS CT

SITE ADDRESS:
605 WILLARD AVE.
NEWINGTON, CT 06111

SEAL:

Tyler M. Barker
CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
07/21/2021

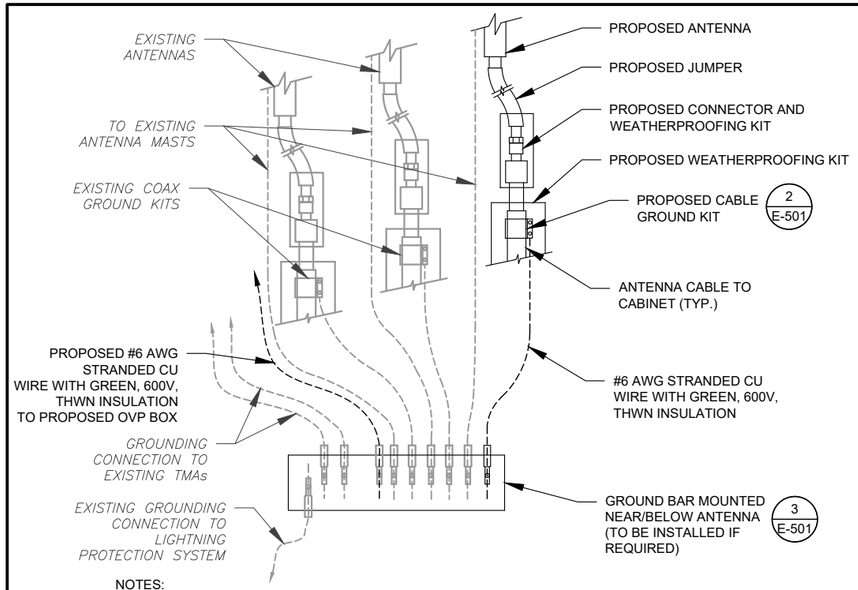
PE# 32402 EXP: 01/31/2022

verizon

DATE DRAWN:	07/21/21
ATC JOB NO:	13668695_D1
CUSTOMER ID:	WEST FARMS CT
CUSTOMER #:	469196

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

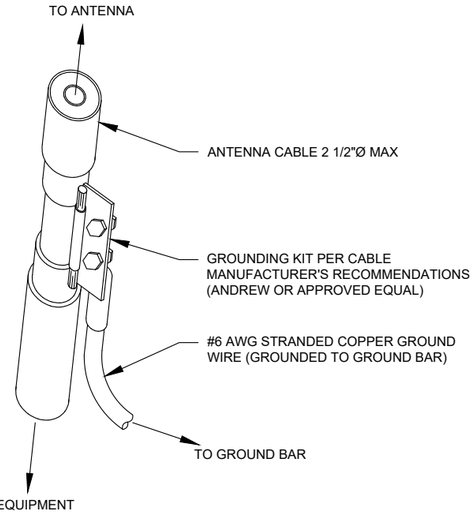


NOTES:

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.

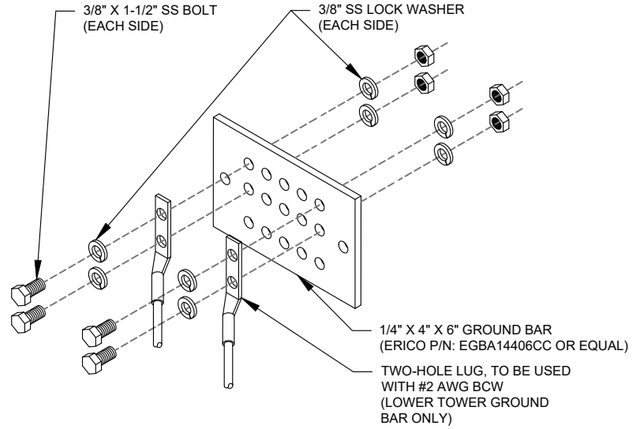


GROUND KIT NOTES:

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.

AMERICAN TOWER®

CLS ENGINEERING PLLC
319 CHAPANOKE ROAD, SUITE 118, RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625

COA# PEC.001833 EXP: 08/14/2021

REV.	DESCRIPTION	BY	DATE
A	PRELIM	JRL	05/28/21
0	FOR CONSTRUCTION	MH	07/21/21

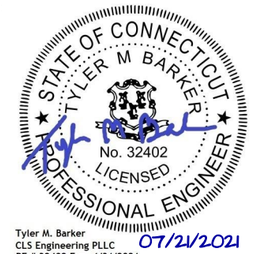
ATC SITE NUMBER:
370627

ATC SITE NAME:
NEWINGTON CT

VERIZON SITE NAME:
WEST FARMS CT

SITE ADDRESS:
605 WILLARD AVE.
NEWINGTON, CT 06111

SEAL:



Tyler M. Barker
CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
07/21/2021

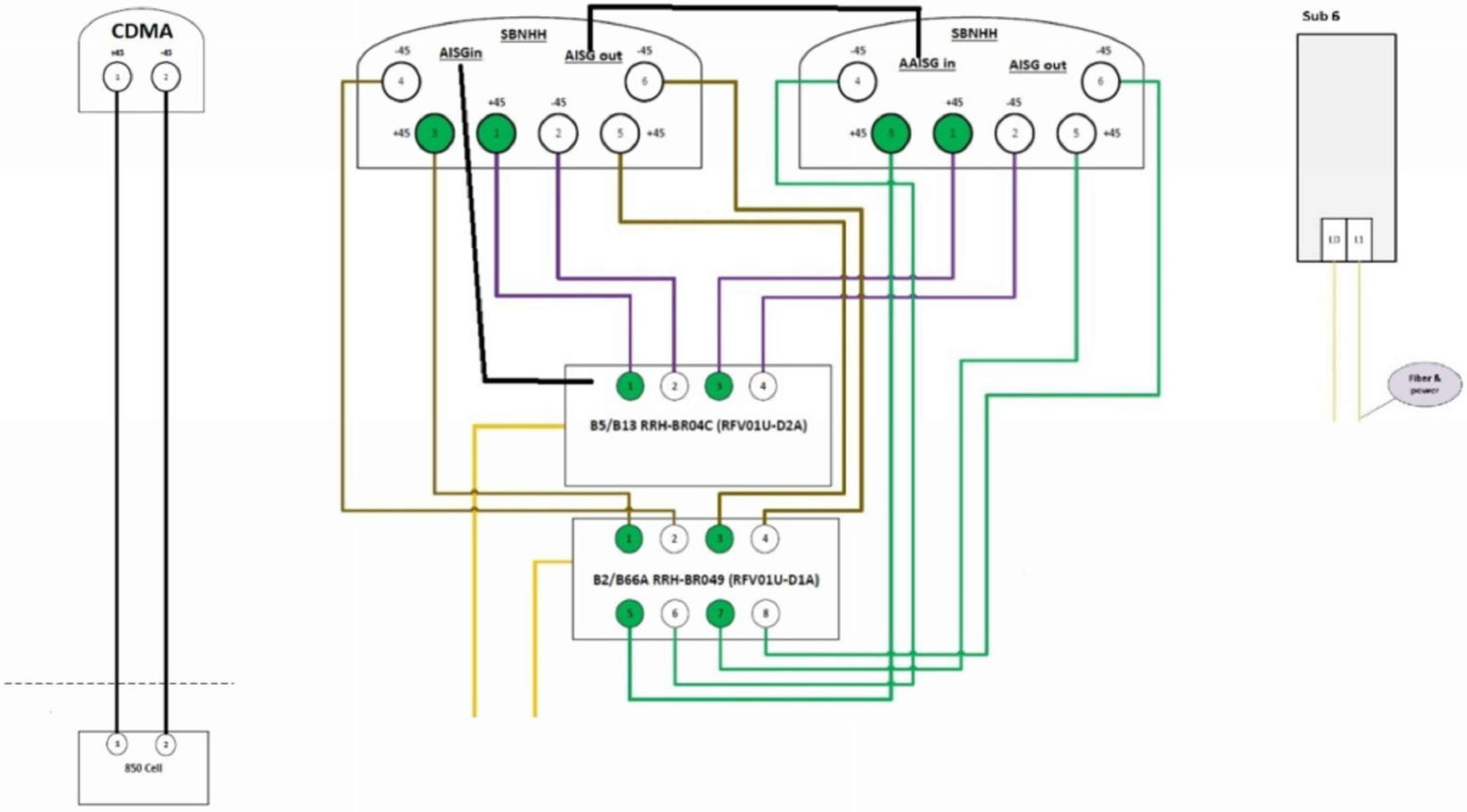
PE# 32402 EXP: 01/31/2022

verizon

DATE DRAWN:	07/21/21
ATC JOB NO:	13668695_D1
CUSTOMER ID:	WEST FARMS CT
CUSTOMER #:	469196

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0



SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-601	0

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
(856) 797-0412
peter.albano@maserconsulting.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10074258
Maser Consulting Connecticut Project #: 21777585A

June 24, 2021

Site Information

Site ID:	*469196-VZW / WEST FARMS CT*
Site Name:	*WEST FARMS CT*
Carrier Name:	*Verizon Wireless*
Address:	*605 WILLARD AVE* *Newington, Connecticut 06111* *Hartford County*
Latitude:	*41.698372°*
Longitude:	*-72.737147°*

Structure Information

Tower Type:	*Monopole*
Mount Type:	*14.00-Ft Platform*

FUZE ID # 16231949

Analysis Results

Platform: **66.3% Pass**

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

Report Prepared By: Lauren Luzier

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325
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 Maser Consulting.

Analysis Results:

Component	Utilization %	Pass/Fail
Cross Members	28.1 %	Pass
Face Horizontal	66.3 %	Pass
Grating Angle	36.1 %	Pass
Mount Pipe	32.2 %	Pass
Standoff	21.7 %	Pass
MOD Kickers	5.2 %	Pass
MOD Support Rail	15.4 %	Pass
MOD Support Rail Corner Angle	20.7 %	Pass
Mount Connection	44.3 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**66.3%**

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 and Wind Speed Usage Letter

SUPPLEMENTAL

SHEET NUMBER: R-602
REVISION: 0