Karen Kilby, 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: (860) 830-8847
KKilby@centerlinecommunications.com

July 30, 2021

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

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

Dear Ms. Bachman:

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

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

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2). Enclosed to accommodate this filing are construction drawings dated June 15th 2021, a structural analysis dated April 29th 2021 by A.T. Engineering Service, PLLC, a structural mount analysis by Maser Consulting Connecticut dated May 19th, 2021, and radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

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

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

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

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

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

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

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

Sincerely,

Karen Kilby

_____

Karen Kilby, 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: (860) 830-8847
KKilby@centerlinecommunications.com

Attachments

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

UPS CampusShip: View/Print Label

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.

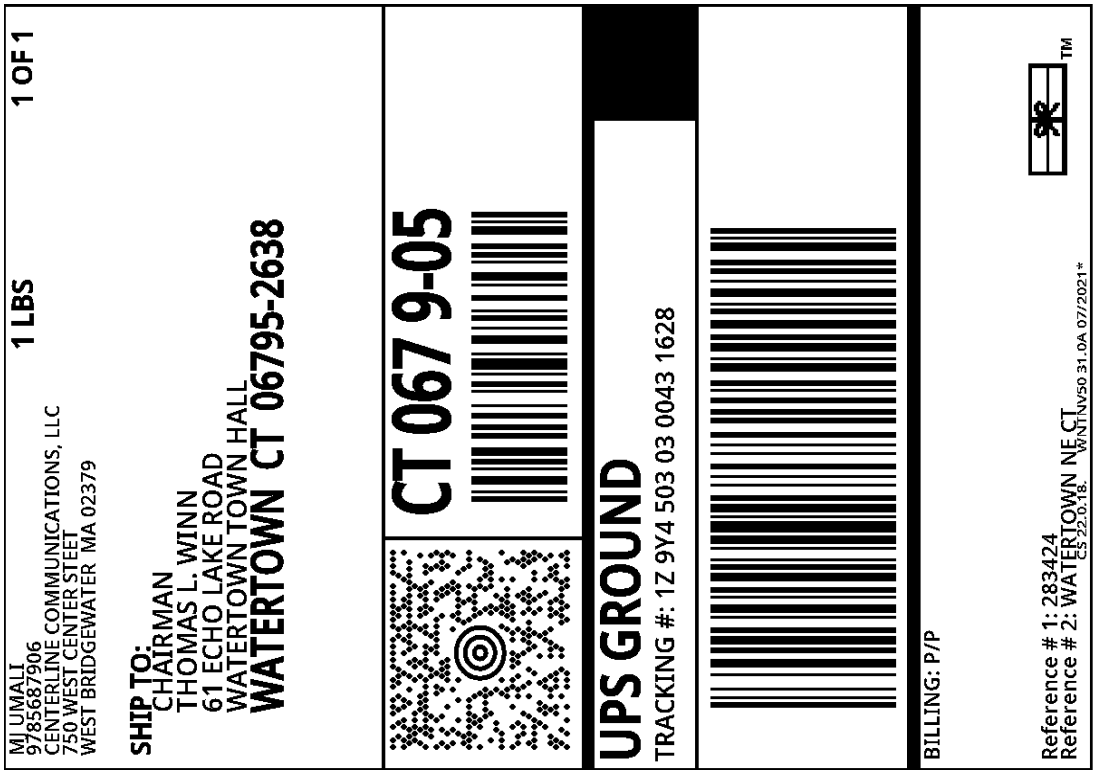
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To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

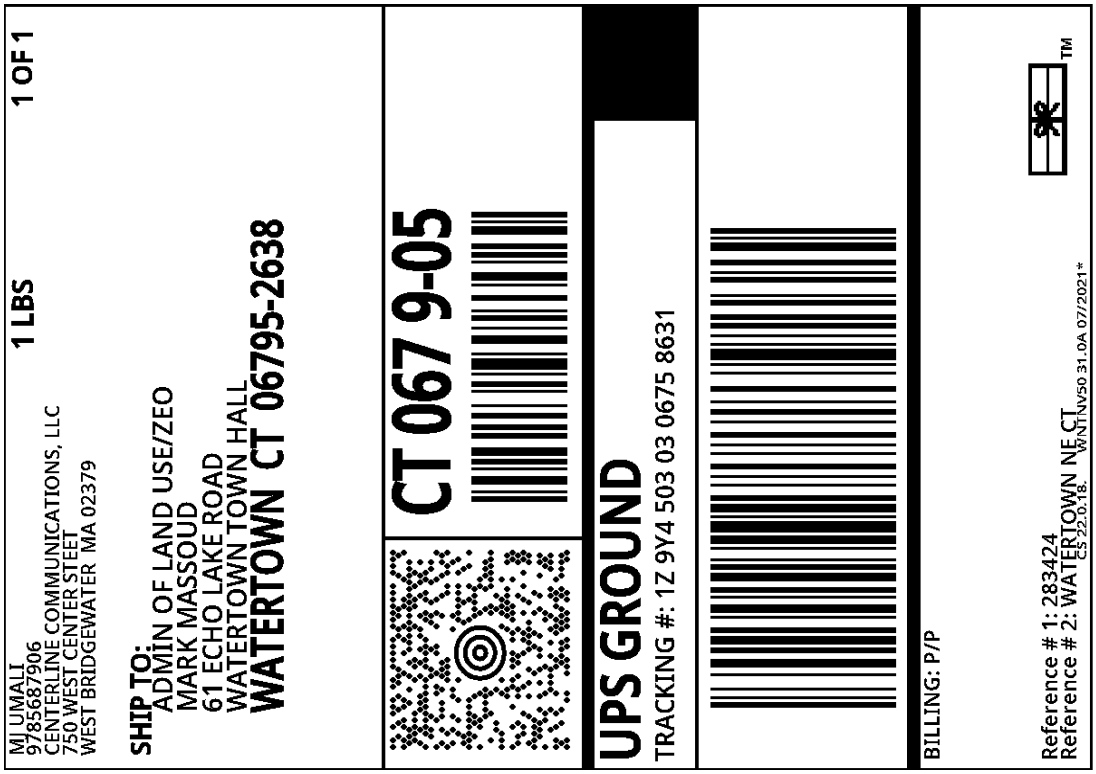
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To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

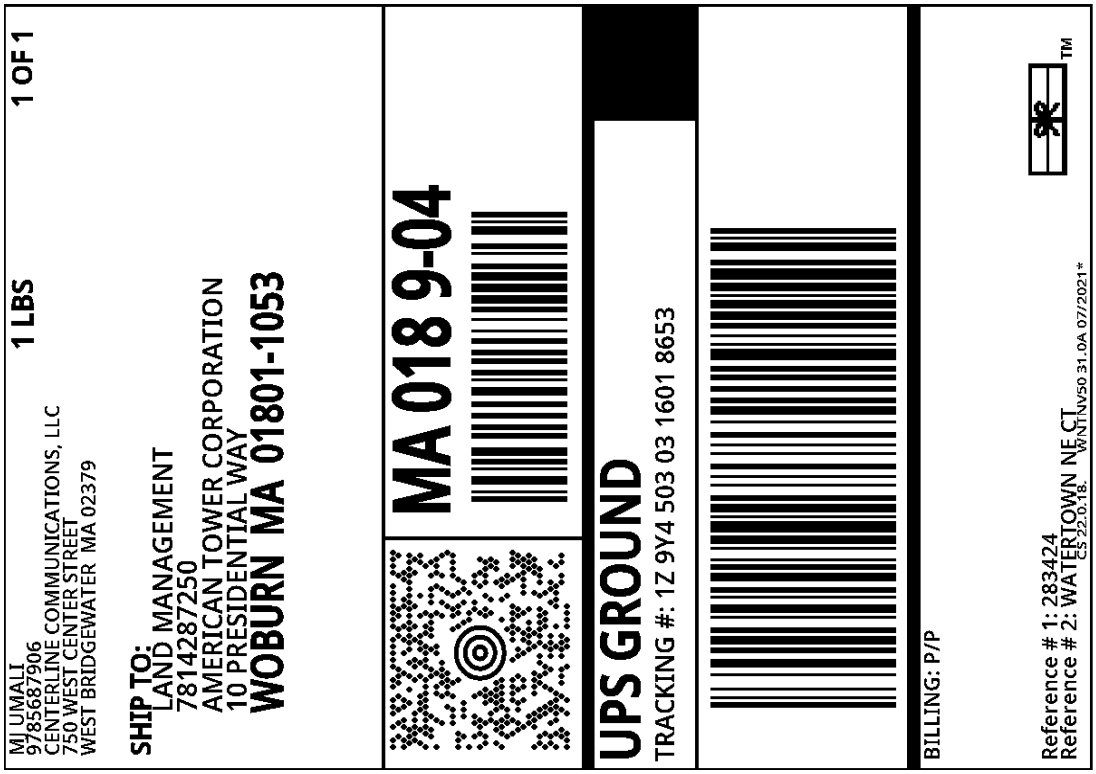
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To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

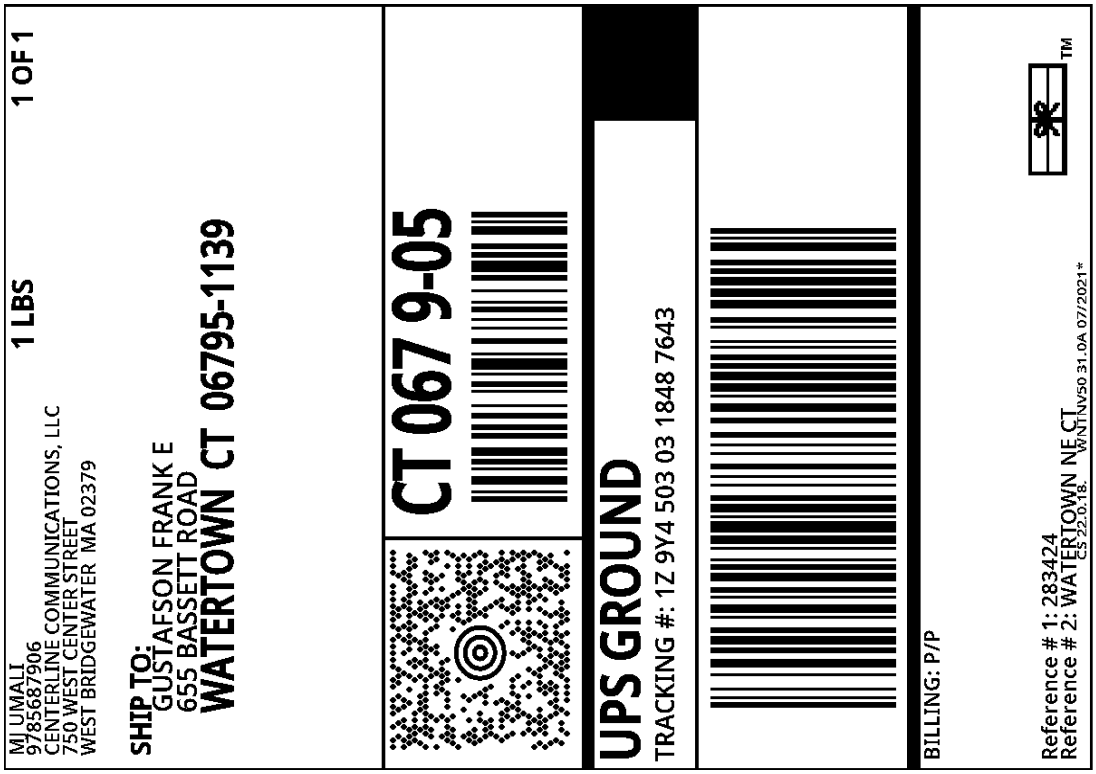
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To 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	:	**129 ft Monopole**
ATC Site Name	:	**WATERTOWN CT, CT**
ATC Asset Number	:	**283424**
Engineering Number	:	**13668995_C3_02**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**WATERTOWN NE CT**
Carrier Site Number	:	**470386**
Site Location	:	**655 Bassett Road** **Watertown, CT 06795-1139** **41.657100,-73.136300**
County	:	**Litchfield**
Date	:	**April 29, 2021**
Max Usage	:	**102%**
Result	:	**Pass**

Prepared By:
Lyle Morin
Structural Engineer I

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 129 ft monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

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

Analysis

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

Basic Wind Speed:	115 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Code:	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	C
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Spectral Response:	Ss = 0.19, S_1 = 0.06
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	Antenna	Mount Type	Lines	Carrier
126.0	3	Ericsson RRUS 4478 B14	T-Arm with SitePro Handrail Kit	(7) 3" conduit (3) 0.39" (10mm) Fiber Trunk (3) 0.45" (11.5mm) Fiber (6) 0.78" (19.7mm) 8 AWG 6	AT&T MOBILITY
	3	Ericsson RRUS 4449 B5, B12			
	3	Raycap DC2-48-60-8-18F-02			
	3	Ericsson RRUS 11 B5			
	3	CCI HPA-65R-BUU-H8			
	3	CCI DMP65R-BU8D			
	3	CCI OPA65R-BU8D			
	3	Ericsson RRUS 8843 B2, B66A			
	3	Commscope SBNH-1D6565C			
114.0	6	Commscope JAHH-65B-R3B	Sector Frame	(2) 1 5/8" (1.63"-41.3mm) Fiber	VERIZON WIRELESS

Equipment to be Removed

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

Proposed Equipment

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

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

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:

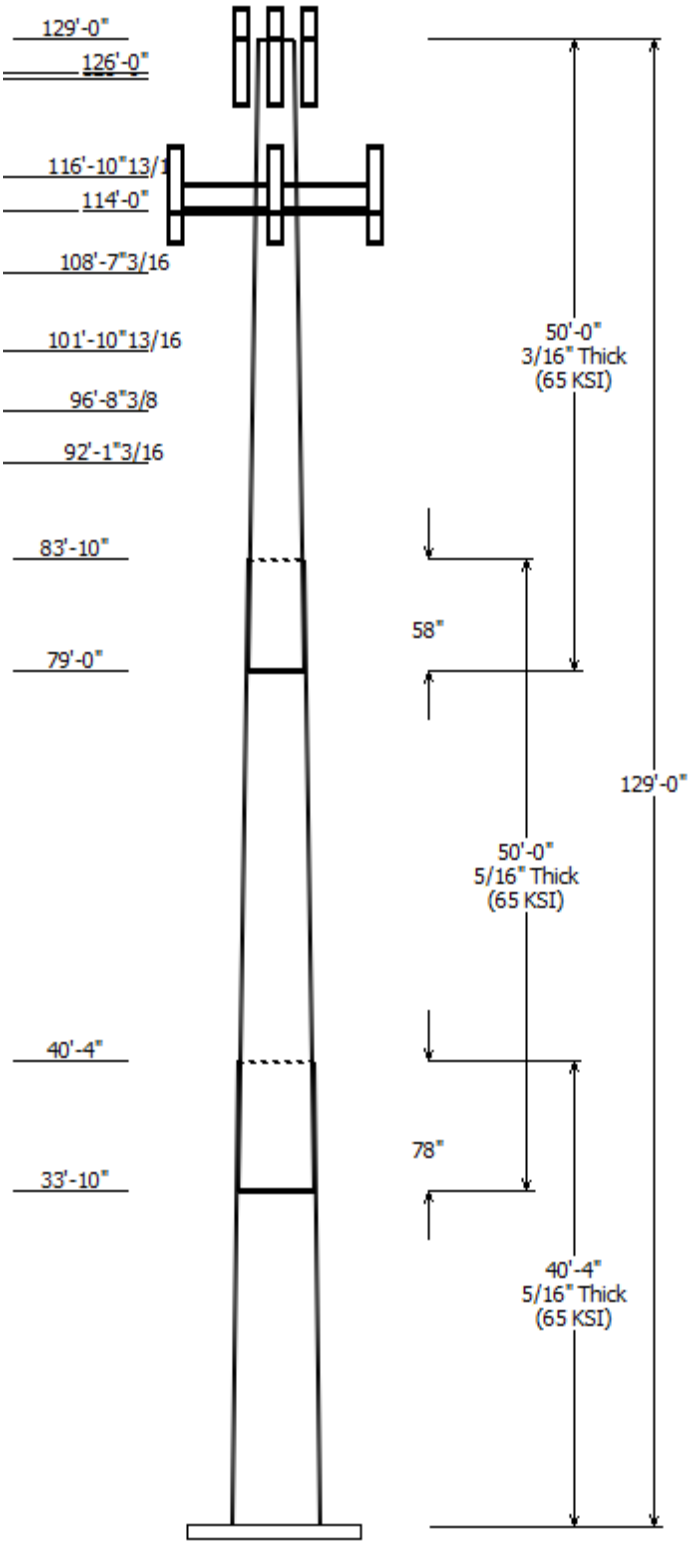
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

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 :	283424	Code:	ANSI/TIA-222-H
Location :	WATERTOWN CT, CT		
Description :		Risk Category :	II
Shape :	18 Sides	Exposure :	C
Height :	129.00 (ft)	Topo Method :	Method 1
Base Elev (ft):	0.00	Topographic Category :	1
Taper:	0.280000 (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	40.333	44.82	56.12	0.313		0.000	18 Sides	65
2	50.000	33.27	47.27	0.313	Slip Joint	78.000	18 Sides	65
3	50.000	21.00	35.00	0.188	Slip Joint	58.000	18 Sides	65

Discrete Appurtenance

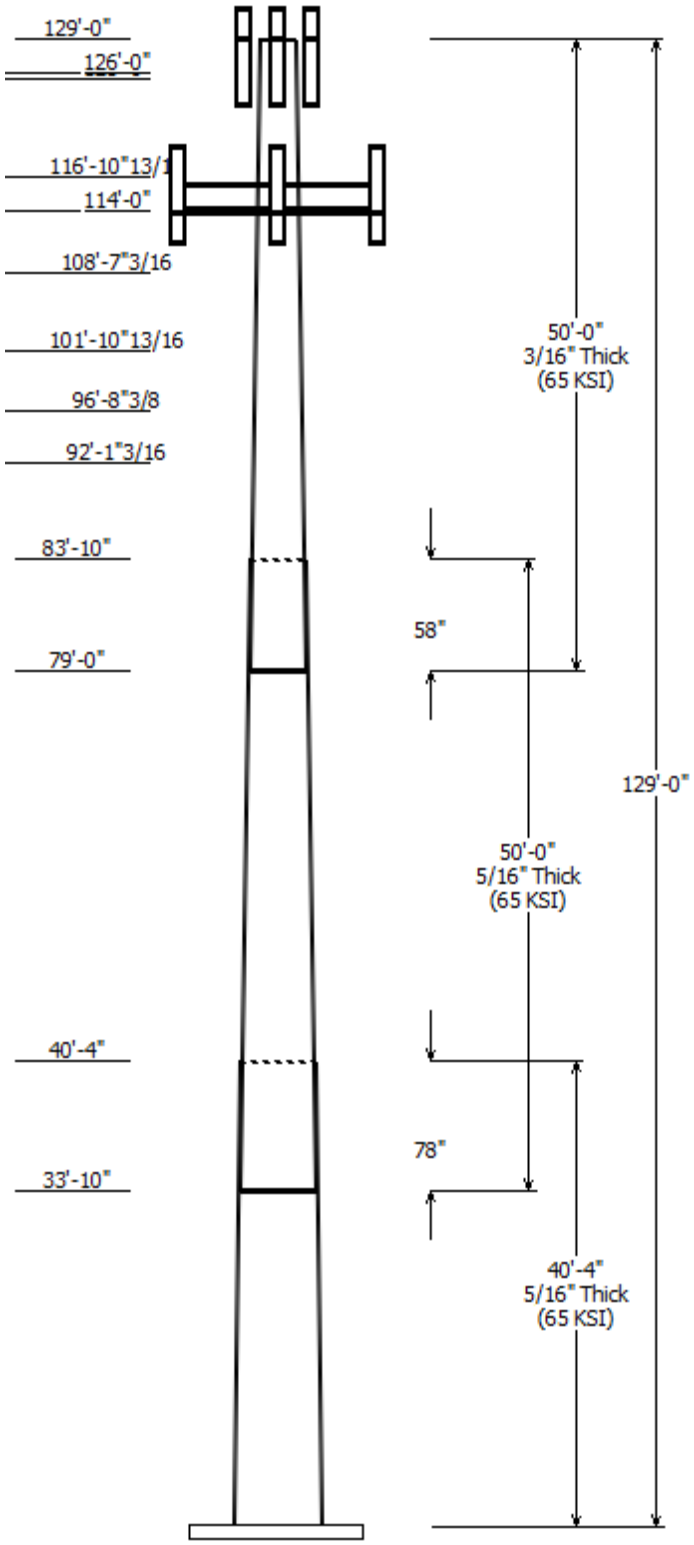
Attach Elev (ft)	Force Elev (ft)	Qty	Description
126.000	131.000	3	4' Pine Tree Branches
126.000	126.000	3	Round T-Arms with Site Pro 1
126.000	126.000	3	CCI OPA65R-BU8D
126.000	126.000	3	CCI DMP65R-BU8D
126.000	129.000	3	Commscope SBNH-1D6565C
126.000	126.000	3	Ericsson RRUS 11 B5
126.000	129.000	3	Raycap DC2-48-60-8-18F-02
126.000	129.000	3	CCI HPA-65R-BUU-H8
126.000	126.000	3	Ericsson RRUS 4449 B5, B12
126.000	126.000	3	Ericsson RRUS 4478 B14
126.000	126.000	3	Ericsson RRUS 8843 B2, B66A
125.500	125.500	26	4' Pine Tree Branches
116.900	116.900	24	6' Pine Tree Branches
114.000	114.000	3	Flat Light Sector Frame
114.000	116.000	6	Commscope JAHH-65B-R3B
114.000	114.000	3	Samsung MT6407-77A
114.000	114.000	1	Raycap RCMDC-6627-PF-48
114.000	114.000	3	Samsung B5/B13 RRH-BR04C
114.000	114.000	3	Samsung B2/B66A RRH-BR049
114.000	114.000	3	Commscope CBC78T-DS-43-2X
108.600	108.600	24	6' Pine Tree Branches
101.900	101.900	15	8' Pine Tree Branches
96.700	96.700	15	8' Pine Tree Branches
92.100	92.100	12	10' Pine Tree Branches

Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
0.000	114.0	1 5/8" (1.63"-	No
0.000	126.0	0.39" (10mm)	No
0.000	126.0	0.45" (11.5mm)	No
0.000	126.0	0.78" (19.7mm) 8	No
0.000	126.0	3" conduit	No
0.000	129.0	3" conduit	No

Load Cases

1.2D + 1.0W	115 mph with No Ice
0.9D + 1.0W	115 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)



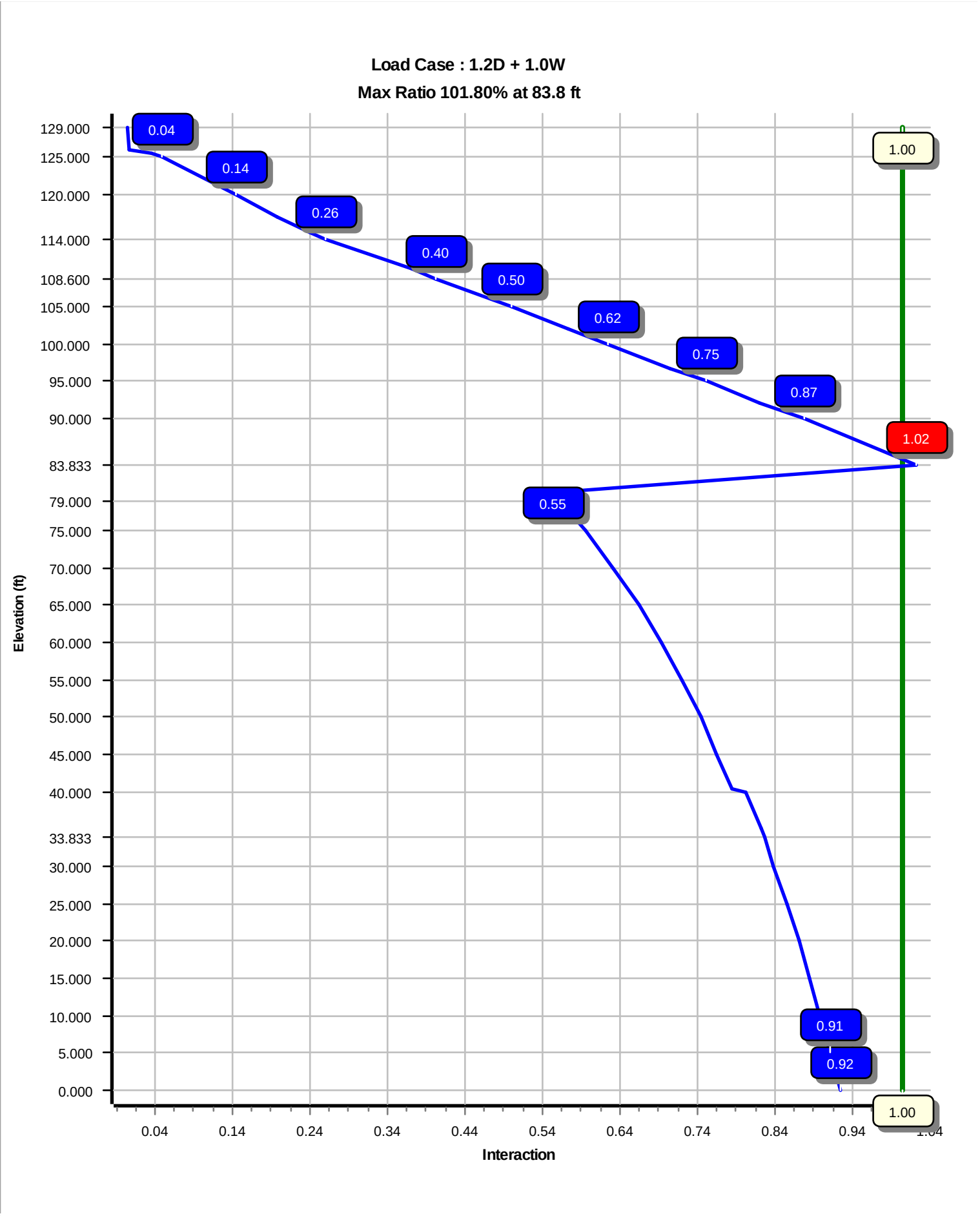
1.0D + 1.0W	Serviceability 60 mph

Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	3433.40	34.08	47.41
0.9D + 1.0W	3393.03	34.06	35.54
1.2D + 1.0Di + 1.0Wi	834.23	8.59	58.41
1.2D + 1.0Ev + 1.0Eh	135.17	1.24	47.53
0.9D - 1.0Ev + 1.0Eh	133.21	1.24	32.96
1.0D + 1.0W	830.83	8.30	39.56

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 101.80% at 83.8 ft
Elevation (ft)
129.000
125.000
120.000
114.000
108.600
105.000
100.000
95.000
90.000
83.833
79.000
75.000
70.000
65.000
60.000
55.000
50.000
45.000
40.000
33.833
30.000
25.000
20.000
15.000
10.000
5.000
0.000
0.04
0.14
0.24
0.34
0.44
0.54
0.64
0.74
0.84
0.94
1.04
Interaction
0.04
0.14
0.26
0.40
0.50
0.62
0.75
0.87
1.02
0.55
0.91
0.92
1.00
1.00

Site Number: 283424 | Code: ANSI/TIA-222-H |

Site Name: WATERTOWN CT, CT | Engineering Number:13668995_C3_02 | 4/29/2021 1:12:20 PM

Customer: VERIZON WIRELESS

Analysis Parameters

Location :	Litchfield County, CT	Height (ft) :	129
Code :	ANSI/TIA-222-H	Base Diameter (in) :	56.12
Shape :	18 Sides	Top Diameter (in) :	21.00
Pole Type :	Taper	Taper (in/ft) :	0.280
Pole Manfacturer :		Rotation (deg) :	0.00
Kd (non-service) :	0.95	Ke :	0.97

Ice & Wind Parameters

Exposure Category:	C	Design Wind Speed Without Ice:	115 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:	1.00 in
Crest Height:	0 ft	HMSL:	833.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil				
Period Based on Rayleigh Method (sec):	2.21				
T_L (sec):	6	p:	1	C_s:	0.031
S_s:	0.188	S_1:	0.065	C_s Max:	0.031
F_a:	1.600	F_v:	2.400	C_s Min:	0.030
S_{ds}:	0.201	S_{d1}:	0.104		

Load Cases

1.2D + 1.0W	115 mph with No Ice
0.9D + 1.0W	115 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 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)	Slip 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	40.333	0.3125	65		0.00	6,828	56.12	0.00	55.35	21780.7	29.90	179.58	44.82	40.33	44.15	11053.2	23.53	143.45	0.280000
2-18	50.000	0.3125	65	Slip	78.00	6,743	47.27	33.83	46.58	12976.4	24.91	151.27	33.27	83.83	32.69	4486.7	17.01	106.47	0.280000
3-18	50.000	0.1875	65	Slip	58.00	2,816	35.00	79.00	20.72	3172.1	31.15	186.67	21.00	129.00	12.39	677.8	17.99	112.00	0.280000
				Shaft Weight		16,387													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice Weight (lb)	No Ice EPAa (sf)	No Ice Orientation Factor	Ice Weight (lb)	Ice EPAa (sf)	Ice Orientation Factor
126.00	Ericsson RRUS 8843 B2, B66A	3	0.80	0.000	72.00	1.639	0.50	112.23	2.194	0.50
126.00	4' Pine Tree Branches	3	1.00	5.000	60.80	1.710	1.00	63.58	1.788	1.00
126.00	Ericsson RRUS 4478 B14	3	0.80	0.000	59.90	1.842	0.50	96.19	2.431	0.50
126.00	Ericsson RRUS 4449 B5, B12	3	0.80	0.000	71.00	1.969	0.50	113.30	2.581	0.50
126.00	Raycap DC2-48-60-8-18F-02	3	0.80	3.000	14.50	2.496	0.50	55.92	3.176	0.50
126.00	Ericsson RRUS 11 B5	3	0.80	0.000	50.70	2.791	0.50	98.22	3.511	0.50
126.00	Commscope SBNH-1D6565C	3	0.80	3.000	60.80	11.440	0.70	211.40	13.564	0.70
126.00	CCI HPA-65R-BUU-H8	3	0.80	3.000	68.00	12.976	0.67	236.65	15.326	0.67
126.00	Round T-Arms with Site Pro 1	3	0.75	0.000	300.00	14.400	0.75	437.18	20.984	0.75
126.00	CCI DMP65R-BU8D	3	0.80	0.000	95.70	17.871	0.63	318.79	20.290	0.63
126.00	CCI OPA65R-BU8D	3	0.80	0.000	76.50	18.089	0.63	302.82	20.512	0.63
125.50	4' Pine Tree Branches	26	1.00	0.000	60.80	1.710	1.00	63.58	1.788	1.00
116.90	6' Pine Tree Branches	24	1.00	0.000	84.90	2.430	1.00	88.75	2.540	1.00
114.00	Commscope CBC78T-DS-43-2X	3	0.80	0.000	20.70	0.552	0.50	35.03	0.882	0.50
114.00	Samsung B2/B66A RRH-BR049	3	0.80	0.000	84.40	1.875	0.50	125.79	2.461	0.50
114.00	Samsung B5/B13 RRH-BR04C	3	0.80	0.000	70.30	1.875	0.50	107.41	2.461	0.50
114.00	Raycap RCMDC-6627-PF-48	1	0.80	0.000	32.00	4.056	1.00	114.46	4.941	1.00
114.00	Samsung MT6407-77A	3	0.80	0.000	81.60	4.709	0.61	147.73	5.694	0.61
114.00	Commscope JAHH-65B-R3B	6	0.80	2.000	60.60	9.113	0.69	191.86	10.913	0.69
114.00	Flat Light Sector Frame	3	0.75	0.000	400.00	17.900	0.67	595.26	27.690	0.67
108.60	6' Pine Tree Branches	24	1.00	0.000	84.10	2.440	1.00	87.88	2.550	1.00
101.90	8' Pine Tree Branches	15	1.00	0.000	107.00	3.150	1.00	111.79	3.291	1.00
96.70	8' Pine Tree Branches	15	1.00	0.000	106.20	3.160	1.00	110.93	3.301	1.00
92.10	10' Pine Tree Branches	12	1.00	0.000	128.40	3.860	1.00	134.08	4.031	1.00
Totals	Num Loadings:24	171			15,531.90			21,280.09		

Linear Appurtenance Properties

Load Case Azimuth (deg) :

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax / Row	Dist Between Rows (in)	Dist Between Cols (in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	129.00	4	3" conduit	3.50	7.58	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	126.00	3	0.39" (10mm) Fiber	0.39	0.06	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	126.00	3	0.45" (11.5mm) Fiber	0.45	0.08	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	126.00	6	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	126.00	3	3" conduit	3.50	7.58	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	114.00	2	1 5/8" (1.63"-41.3mm)	1.63	1.61	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		0.3125	56.120	55.352	21,780.7	29.90	179.58	66.2	764.4	0.0	0.0
5.00		0.3125	54.720	53.963	20,182.3	29.11	175.10	67.2	726.5	0.0	929.9
10.00		0.3125	53.320	52.575	18,664.1	28.32	170.62	68.1	689.4	0.0	906.3
15.00		0.3125	51.920	51.186	17,224.0	27.53	166.14	69.0	653.4	0.0	882.7
20.00		0.3125	50.520	49.798	15,859.9	26.74	161.66	69.9	618.3	0.0	859.1
25.00		0.3125	49.120	48.409	14,569.8	25.95	157.18	70.9	584.2	0.0	835.4
30.00		0.3125	47.720	47.021	13,351.7	25.16	152.70	71.8	551.1	0.0	811.8
33.83	Bot - Section 2	0.3125	46.647	45.956	12,465.2	24.56	149.27	72.5	526.3	0.0	606.4
35.00		0.3125	46.320	45.632	12,203.4	24.37	148.22	72.7	518.9	0.0	366.1
40.00		0.3125	44.920	44.243	11,122.9	23.58	143.74	73.7	487.7	0.0	1,539.7
40.33	Top - Section 1	0.3125	45.452	44.771	11,525.4	23.88	145.45	73.3	499.4	0.0	101.0
45.00		0.3125	44.145	43.475	10,553.2	23.15	141.26	74.2	470.9	0.0	700.7
50.00		0.3125	42.745	42.086	9,573.9	22.36	136.78	75.1	441.2	0.0	727.9
55.00		0.3125	41.345	40.698	8,657.2	21.57	132.30	76.0	412.4	0.0	704.2
60.00		0.3125	39.945	39.309	7,801.0	20.78	127.82	77.0	384.7	0.0	680.6
65.00		0.3125	38.545	37.920	7,003.1	19.99	123.34	77.9	357.9	0.0	657.0
70.00		0.3125	37.145	36.532	6,261.6	19.20	118.86	78.8	332.0	0.0	633.4
75.00		0.3125	35.745	35.143	5,574.4	18.41	114.38	79.8	307.2	0.0	609.7
79.00	Bot - Section 3	0.3125	34.625	34.032	5,062.3	17.77	110.80	80.5	288.0	0.0	470.8
80.00		0.3125	34.345	33.755	4,939.4	17.62	109.90	80.7	283.3	0.0	185.5
83.83	Top - Section 2	0.1875	33.647	19.912	2,816.4	29.88	179.45	66.3	164.9	0.0	697.2
85.00		0.1875	33.320	19.717	2,734.7	29.57	177.71	66.6	161.7	0.0	78.7
90.00		0.1875	31.920	18.884	2,402.5	28.25	170.24	68.2	148.2	0.0	328.4
92.10		0.1875	31.332	18.534	2,271.4	27.70	167.10	68.8	142.8	0.0	133.7
95.00		0.1875	30.520	18.051	2,098.3	26.94	162.77	69.7	135.4	0.0	180.5
96.70		0.1875	30.044	17.768	2,001.1	26.49	160.23	70.2	131.2	0.0	103.6
100.0		0.1875	29.120	17.218	1,821.0	25.62	155.31	71.3	123.2	0.0	196.4
101.9		0.1875	28.588	16.901	1,722.4	25.12	152.47	71.9	118.7	0.0	110.3
105.0		0.1875	27.720	16.385	1,569.2	24.30	147.84	72.8	111.5	0.0	175.6
108.6		0.1875	26.712	15.785	1,403.1	23.36	142.46	73.9	103.5	0.0	197.0
110.0		0.1875	26.320	15.552	1,341.8	22.99	140.37	74.4	100.4	0.0	74.6
114.0		0.1875	25.200	14.885	1,176.6	21.94	134.40	75.6	92.0	0.0	207.1
115.0		0.1875	24.920	14.718	1,137.5	21.67	132.91	75.9	89.9	0.0	50.4
116.9		0.1875	24.388	14.402	1,065.7	21.17	130.07	76.5	86.1	0.0	94.1
120.0		0.1875	23.520	13.885	955.1	20.36	125.44	77.5	80.0	0.0	149.2
125.0		0.1875	22.120	13.052	793.3	19.04	117.97	79.0	70.6	0.0	229.2
125.5		0.1875	21.980	12.969	778.2	18.91	117.23	79.2	69.7	0.0	22.1
126.0		0.1875	21.840	12.885	763.3	18.78	116.48	79.3	68.8	0.0	22.0
129.0		0.1875	21.000	12.386	677.8	17.99	112.00	80.2	63.6	0.0	129.0
											16,387.3

Load Case: 1.2D + 1.0W — 115 mph with No Ice — 23 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		493.2	1,115.9					0.0	361.4	493.2	1,477.4	0.0	0.0
10.00		480.5	1,087.6					0.0	361.4	480.5	1,449.0	0.0	0.0
15.00		475.2	1,059.2					0.0	361.4	475.2	1,420.7	0.0	0.0
20.00		482.3	1,030.9					0.0	361.4	482.3	1,392.3	0.0	0.0
25.00		491.7	1,002.5					0.0	361.4	491.7	1,364.0	0.0	0.0
30.00		438.4	974.2					0.0	361.4	438.4	1,335.6	0.0	0.0
33.83	Bot - Section 2	249.8	727.7					0.0	277.1	249.8	1,004.8	0.0	0.0
35.00		311.3	439.3					0.0	84.3	311.3	523.6	0.0	0.0
40.00		269.2	1,847.6					0.0	361.4	269.2	2,209.1	0.0	0.0
40.33	Top - Section 1	251.3	121.2					0.0	24.1	251.3	145.3	0.0	0.0
45.00		483.7	840.8					0.0	337.3	483.7	1,178.1	0.0	0.0
50.00		495.5	873.4					0.0	361.4	495.5	1,234.9	0.0	0.0
55.00		489.0	845.1					0.0	361.4	489.0	1,206.5	0.0	0.0
60.00		481.2	816.7					0.0	361.4	481.2	1,178.2	0.0	0.0
65.00		472.3	788.4					0.0	361.4	472.3	1,149.8	0.0	0.0
70.00		462.3	760.0					0.0	361.4	462.3	1,121.5	0.0	0.0
75.00		407.3	731.7					0.0	361.4	407.3	1,093.1	0.0	0.0
79.00	Bot - Section 3	223.3	564.9					0.0	289.2	223.3	854.1	0.0	0.0
80.00		213.2	222.7					0.0	72.3	213.2	294.9	0.0	0.0
83.83	Top - Section 2	219.2	836.7					0.0	277.1	219.2	1,113.8	0.0	0.0
85.00		263.4	94.4					0.0	84.3	263.4	178.7	0.0	0.0
90.00		300.2	394.1					0.0	361.4	300.2	755.5	0.0	0.0
92.10		206.1	160.4					0.0	151.8	206.1	312.2	0.0	0.0
95.00		187.1	216.6					0.0	209.6	187.1	426.3	0.0	0.0
96.70		199.0	124.3					0.0	122.9	199.0	247.2	0.0	0.0
100.00		204.3	235.7					0.0	238.6	204.3	474.3	0.0	0.0
101.90		191.7	132.4					0.0	137.3	191.7	269.7	0.0	0.0
105.00		251.3	210.7					0.0	224.1	251.3	434.8	0.0	0.0
108.60		184.1	236.4					0.0	260.2	184.1	496.7	0.0	0.0
110.00		192.4	89.6					0.0	101.2	192.4	190.8	0.0	0.0
114.00	Appurtenance(s)	176.2	248.6	3,241.5	0.0	2,705.9	2,839.9	0.0	289.2	3,417.7	3,377.6	0.0	0.0
115.00		99.4	60.4					0.0	68.4	99.4	128.9	0.0	0.0
116.90		168.1	113.0					0.0	130.0	168.1	243.0	0.0	0.0
120.00		263.1	179.0					0.0	212.1	263.1	391.1	0.0	0.0
125.00		175.3	275.0					0.0	342.1	175.3	617.1	0.0	0.0
125.50	Appurtenance(s)	30.9	26.6	2,026.3	0.0	0.0	1,897.0	0.0	34.2	2,057.2	1,957.7	0.0	0.0
126.00	Appurtenance(s)	106.2	26.4	6,250.2	0.0	7,103.9	3,347.6	0.0	34.2	6,356.4	3,408.2	0.0	0.0
129.00		90.8	154.8					0.0	109.2	90.8	263.9	0.0	0.0
								Totals:		22,946.8	36,920.3	0.00	0.00

Site Number: 283424 Code: ANSI/TIA-222-H

Site Name: WATERTOWN CT, CT Engineering Number:13668995_C3_02 4/29/2021 1:12:21 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W 115 mph with No Ice 23 Iterations

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-47.41	-34.08	0.00	-3,433.40	0.00	3,433.40	3,299.40	971.43	4,896.32	3,797.13	0.00	0.00	0.920
5.00	-45.80	-33.76	0.00	-3,263.00	0.00	3,263.00	3,261.75	947.06	4,653.76	3,659.11	0.12	-0.22	0.907
10.00	-44.22	-33.45	0.00	-3,094.19	0.00	3,094.19	3,221.78	922.69	4,417.37	3,520.74	0.47	-0.44	0.894
15.00	-42.67	-33.13	0.00	-2,926.96	0.00	2,926.96	3,179.49	898.32	4,187.13	3,382.22	1.06	-0.67	0.880
20.00	-41.15	-32.80	0.00	-2,761.30	0.00	2,761.30	3,134.88	873.95	3,963.06	3,243.76	1.89	-0.91	0.866
25.00	-39.66	-32.45	0.00	-2,597.29	0.00	2,597.29	3,087.95	849.58	3,745.15	3,105.54	2.97	-1.15	0.851
30.00	-38.21	-32.13	0.00	-2,435.03	0.00	2,435.03	3,038.69	825.21	3,533.40	2,967.79	4.30	-1.39	0.835
33.83	-37.14	-31.94	0.00	-2,311.86	0.00	2,311.86	2,999.35	806.53	3,375.23	2,862.61	5.50	-1.59	0.822
35.00	-36.54	-31.72	0.00	-2,274.59	0.00	2,274.59	2,987.11	800.84	3,327.81	2,830.70	5.89	-1.65	0.817
40.00	-34.27	-31.46	0.00	-2,116.02	0.00	2,116.02	2,933.21	776.47	3,128.38	2,694.46	7.76	-1.90	0.799
40.33	-34.06	-31.28	0.00	-2,105.53	0.00	2,105.53	2,953.95	785.73	3,203.39	2,746.08	7.89	-1.92	0.780
45.00	-32.76	-30.90	0.00	-1,959.56	0.00	1,959.56	2,902.37	762.98	3,020.63	2,619.49	9.89	-2.17	0.761
50.00	-31.41	-30.49	0.00	-1,805.07	0.00	1,805.07	2,844.86	738.61	2,830.78	2,485.00	12.30	-2.42	0.739
55.00	-30.09	-30.09	0.00	-1,652.60	0.00	1,652.60	2,785.03	714.24	2,647.08	2,351.89	14.97	-2.68	0.715
60.00	-28.81	-29.68	0.00	-1,502.16	0.00	1,502.16	2,722.88	689.87	2,469.55	2,220.35	17.91	-2.94	0.689
65.00	-27.55	-29.27	0.00	-1,353.76	0.00	1,353.76	2,658.40	665.50	2,298.18	2,090.60	21.13	-3.20	0.660
70.00	-26.33	-28.87	0.00	-1,207.39	0.00	1,207.39	2,591.60	641.14	2,132.97	1,962.83	24.62	-3.46	0.627
75.00	-25.15	-28.49	0.00	-1,063.06	0.00	1,063.06	2,522.48	616.77	1,973.93	1,837.26	28.37	-3.71	0.591
79.00	-24.25	-28.27	0.00	-949.10	0.00	949.10	2,465.51	597.27	1,851.13	1,738.50	31.57	-3.92	0.558
80.00	-23.91	-28.09	0.00	-920.83	0.00	920.83	2,451.04	592.40	1,821.04	1,714.07	32.40	-3.97	0.549
83.83	-22.75	-27.84	0.00	-813.17	0.00	813.17	1,187.39	349.45	1,056.01	819.28	35.67	-4.16	1.018
85.00	-22.49	-27.65	0.00	-780.69	0.00	780.69	1,182.21	346.04	1,035.49	807.70	36.69	-4.22	0.992
90.00	-21.63	-27.39	0.00	-642.45	0.00	642.45	1,158.57	331.42	949.84	757.92	41.31	-4.59	0.873
92.10	-19.58	-25.10	0.00	-584.94	0.00	584.94	1,147.95	325.28	914.97	736.97	43.37	-4.75	0.817
95.00	-19.10	-24.93	0.00	-512.16	0.00	512.16	1,132.61	316.79	867.88	708.05	46.31	-4.94	0.746
96.70	-17.09	-22.55	0.00	-469.79	0.00	469.79	1,123.26	311.82	840.86	691.12	48.09	-5.06	0.700
100.00	-16.57	-22.35	0.00	-395.38	0.00	395.38	1,104.33	302.17	789.62	658.31	51.66	-5.26	0.621
101.90	-14.55	-19.94	0.00	-352.92	0.00	352.92	1,092.98	296.62	760.85	639.49	53.77	-5.37	0.570
105.00	-14.08	-19.69	0.00	-291.11	0.00	291.11	1,073.73	287.55	715.06	608.90	57.31	-5.54	0.496
108.60	-11.41	-16.66	0.00	-220.24	0.00	220.24	1,050.26	277.02	663.67	573.64	61.55	-5.70	0.398
110.00	-11.21	-16.47	0.00	-196.91	0.00	196.91	1,040.80	272.93	644.20	560.01	63.23	-5.76	0.366
114.00	-8.18	-12.74	0.00	-128.32	0.00	128.32	1,012.79	261.23	590.17	521.42	68.12	-5.90	0.257
115.00	-8.06	-12.63	0.00	-115.58	0.00	115.58	1,005.56	258.31	577.03	511.86	69.35	-5.93	0.236
116.90	-5.66	-9.59	0.00	-91.57	0.00	91.57	991.55	252.75	552.48	493.79	71.72	-5.98	0.193
120.00	-5.29	-9.29	0.00	-61.85	0.00	61.85	967.99	243.69	513.56	464.63	75.62	-6.04	0.140
125.00	-4.69	-9.05	0.00	-15.39	0.00	15.39	928.10	229.06	453.79	418.54	81.98	-6.10	0.043
125.50	-2.97	-6.80	0.00	-10.86	0.00	10.86	923.98	227.60	448.01	414.00	82.61	-6.10	0.030
126.00	-0.25	-0.12	0.00	-0.35	0.00	0.35	919.84	226.14	442.28	409.48	83.25	-6.11	0.001
129.00	0.00	-0.09	0.00	0.00	0.00	0.00	894.51	217.37	408.63	382.62	87.08	-6.11	0.000

Load Case: 0.9D + 1.0W — 115 mph with No Ice (Reduced DL) — 23 Iterations

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

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces Wind FX (lb)	Shaft Forces Dead Load (lb)	Discrete Forces Wind FX (lb)	Discrete Forces Torsion MY (lb-ft)	Discrete Forces Moment MZ (lb-ft)	Discrete Forces Dead Load (lb)	Linear Forces Wind FX (lb)	Linear Forces Dead Load (lb)	Sum of Forces Wind FX (lb)	Sum of Forces Dead Load (lb)	Sum of Forces Torsion MY (lb-ft)	Sum of Forces Moment MZ (lb)
0.00		249.7	0.0					0.0	0.0	249.7	0.0	0.0	0.0
5.00		493.2	836.9					0.0	271.1	493.2	1,108.0	0.0	0.0
10.00		480.5	815.7					0.0	271.1	480.5	1,086.8	0.0	0.0
15.00		475.2	794.4					0.0	271.1	475.2	1,065.5	0.0	0.0
20.00		482.3	773.2					0.0	271.1	482.3	1,044.2	0.0	0.0
25.00		491.7	751.9					0.0	271.1	491.7	1,023.0	0.0	0.0
30.00		438.4	730.6					0.0	271.1	438.4	1,001.7	0.0	0.0
33.83	Bot - Section 2	249.8	545.8					0.0	207.8	249.8	753.6	0.0	0.0
35.00		311.3	329.5					0.0	63.3	311.3	392.7	0.0	0.0
40.00		269.2	1,385.7					0.0	271.1	269.2	1,656.8	0.0	0.0
40.33	Top - Section 1	251.3	90.9					0.0	18.1	251.3	108.9	0.0	0.0
45.00		483.7	630.6					0.0	253.0	483.7	883.6	0.0	0.0
50.00		495.5	655.1					0.0	271.1	495.5	926.2	0.0	0.0
55.00		489.0	633.8					0.0	271.1	489.0	904.9	0.0	0.0
60.00		481.2	612.6					0.0	271.1	481.2	883.6	0.0	0.0
65.00		472.3	591.3					0.0	271.1	472.3	862.4	0.0	0.0
70.00		462.3	570.0					0.0	271.1	462.3	841.1	0.0	0.0
75.00		407.3	548.8					0.0	271.1	407.3	819.8	0.0	0.0
79.00	Bot - Section 3	223.3	423.7					0.0	216.9	223.3	640.6	0.0	0.0
80.00		213.2	167.0					0.0	54.2	213.2	221.2	0.0	0.0
83.83	Top - Section 2	219.2	627.5					0.0	207.8	219.2	835.3	0.0	0.0
85.00		263.4	70.8					0.0	63.3	263.4	134.0	0.0	0.0
90.00		300.2	295.5					0.0	271.1	300.2	566.6	0.0	0.0
92.10		206.1	120.3					0.0	113.9	206.1	234.2	0.0	0.0
95.00		187.1	162.5					0.0	157.2	187.1	319.7	0.0	0.0
96.70		199.0	93.2					0.0	92.2	199.0	185.4	0.0	0.0
100.00		204.3	176.8					0.0	178.9	204.3	355.7	0.0	0.0
101.90		191.7	99.3					0.0	103.0	191.7	202.3	0.0	0.0
105.00		251.3	158.0					0.0	168.1	251.3	326.1	0.0	0.0
108.60		184.1	177.3					0.0	195.2	184.1	372.5	0.0	0.0
110.00		192.4	67.2					0.0	75.9	192.4	143.1	0.0	0.0
114.00	Appurtenance(s)	176.2	186.4	3,241.5	0.0	2,705.9	2,129.9	0.0	216.9	3,417.7	2,533.2	0.0	0.0
115.00		99.4	45.3					0.0	51.3	99.4	96.6	0.0	0.0
116.90		168.1	84.7					0.0	97.5	168.1	182.2	0.0	0.0
120.00		263.1	134.3					0.0	159.1	263.1	293.4	0.0	0.0
125.00		175.3	206.2					0.0	256.6	175.3	462.8	0.0	0.0
125.50	Appurtenance(s)	30.9	19.9	2,026.3	0.0	0.0	1,422.7	0.0	25.7	2,057.2	1,468.3	0.0	0.0
126.00	Appurtenance(s)	106.2	19.8	6,250.2	0.0	7,103.9	2,510.7	0.0	25.7	6,356.4	2,556.2	0.0	0.0
129.00		90.8	116.1					0.0	81.9	90.8	198.0	0.0	0.0
								Totals:		22,946.8	27,690.2	0.00	0.00

Load Case: 0.9D + 1.0W 115 mph with No Ice (Reduced DL) 23 Iterations

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-35.54	-34.06	0.00	-3,393.03	0.00	3,393.03	3,299.40	971.43	4,896.32	3,797.13	0.00	0.00	0.906
5.00	-34.30	-33.69	0.00	-3,222.75	0.00	3,222.75	3,261.75	947.06	4,653.76	3,659.11	0.12	-0.22	0.893
10.00	-33.09	-33.34	0.00	-3,054.29	0.00	3,054.29	3,221.78	922.69	4,417.37	3,520.74	0.46	-0.44	0.879
15.00	-31.90	-32.98	0.00	-2,887.62	0.00	2,887.62	3,179.49	898.32	4,187.13	3,382.22	1.04	-0.66	0.865
20.00	-30.73	-32.61	0.00	-2,722.74	0.00	2,722.74	3,134.88	873.95	3,963.06	3,243.76	1.86	-0.90	0.851
25.00	-29.58	-32.22	0.00	-2,559.70	0.00	2,559.70	3,087.95	849.58	3,745.15	3,105.54	2.93	-1.13	0.835
30.00	-28.47	-31.87	0.00	-2,398.60	0.00	2,398.60	3,038.69	825.21	3,533.40	2,967.79	4.24	-1.37	0.819
33.83	-27.65	-31.66	0.00	-2,276.44	0.00	2,276.44	2,999.35	806.53	3,375.23	2,862.61	5.43	-1.57	0.806
35.00	-27.18	-31.41	0.00	-2,239.51	0.00	2,239.51	2,987.11	800.84	3,327.81	2,830.70	5.82	-1.63	0.802
40.00	-25.46	-31.15	0.00	-2,082.45	0.00	2,082.45	2,933.21	776.47	3,128.38	2,694.46	7.66	-1.88	0.783
40.33	-25.29	-30.95	0.00	-2,072.06	0.00	2,072.06	2,953.95	785.73	3,203.39	2,746.08	7.79	-1.89	0.765
45.00	-24.29	-30.54	0.00	-1,927.61	0.00	1,927.61	2,902.37	762.98	3,020.63	2,619.49	9.76	-2.14	0.746
50.00	-23.26	-30.12	0.00	-1,774.89	0.00	1,774.89	2,844.86	738.61	2,830.78	2,485.00	12.13	-2.38	0.724
55.00	-22.24	-29.69	0.00	-1,624.32	0.00	1,624.32	2,785.03	714.24	2,647.08	2,351.89	14.77	-2.64	0.700
60.00	-21.25	-29.26	0.00	-1,475.89	0.00	1,475.89	2,722.88	689.87	2,469.55	2,220.35	17.66	-2.89	0.674
65.00	-20.29	-28.83	0.00	-1,329.60	0.00	1,329.60	2,658.40	665.50	2,298.18	2,090.60	20.83	-3.15	0.645
70.00	-19.35	-28.41	0.00	-1,185.45	0.00	1,185.45	2,591.60	641.14	2,132.97	1,962.83	24.26	-3.40	0.613
75.00	-18.44	-28.02	0.00	-1,043.41	0.00	1,043.41	2,522.48	616.77	1,973.93	1,837.26	27.96	-3.66	0.577
79.00	-17.76	-27.80	0.00	-931.32	0.00	931.32	2,465.51	597.27	1,851.13	1,738.50	31.11	-3.86	0.545
80.00	-17.49	-27.61	0.00	-903.52	0.00	903.52	2,451.04	592.40	1,821.04	1,714.07	31.93	-3.91	0.536
83.83	-16.62	-27.37	0.00	-797.70	0.00	797.70	1,187.39	349.45	1,056.01	819.28	35.14	-4.10	0.994
85.00	-16.40	-27.16	0.00	-765.77	0.00	765.77	1,182.21	346.04	1,035.49	807.70	36.15	-4.16	0.968
90.00	-15.74	-26.88	0.00	-629.99	0.00	629.99	1,158.57	331.42	949.84	757.92	40.70	-4.52	0.851
92.10	-14.22	-24.62	0.00	-573.54	0.00	573.54	1,147.95	325.28	914.97	736.97	42.72	-4.67	0.796
95.00	-13.86	-24.44	0.00	-502.15	0.00	502.15	1,132.61	316.79	867.88	708.05	45.62	-4.86	0.727
96.70	-12.38	-22.10	0.00	-460.59	0.00	460.59	1,123.26	311.82	840.86	691.12	47.37	-4.97	0.682
100.00	-11.98	-21.90	0.00	-387.66	0.00	387.66	1,104.33	302.17	789.62	658.31	50.87	-5.17	0.605
101.90	-10.50	-19.53	0.00	-346.05	0.00	346.05	1,092.98	296.62	760.85	639.49	52.95	-5.28	0.555
105.00	-10.14	-19.28	0.00	-285.51	0.00	285.51	1,073.73	287.55	715.06	608.90	56.44	-5.44	0.483
108.60	-8.20	-16.32	0.00	-216.10	0.00	216.10	1,050.26	277.02	663.67	573.64	60.60	-5.61	0.388
110.00	-8.05	-16.13	0.00	-193.25	0.00	193.25	1,040.80	272.93	644.20	560.01	62.25	-5.67	0.356
114.00	-5.86	-12.49	0.00	-126.01	0.00	126.01	1,012.79	261.23	590.17	521.42	67.06	-5.80	0.250
115.00	-5.76	-12.38	0.00	-113.53	0.00	113.53	1,005.56	258.31	577.03	511.86	68.27	-5.83	0.230
116.90	-4.03	-9.41	0.00	-90.00	0.00	90.00	991.55	252.75	552.48	493.79	70.60	-5.88	0.188
120.00	-3.76	-9.12	0.00	-60.84	0.00	60.84	967.99	243.69	513.56	464.63	74.43	-5.94	0.136
125.00	-3.31	-8.90	0.00	-15.24	0.00	15.24	928.10	229.06	453.79	418.54	80.68	-6.00	0.041
125.50	-2.06	-6.70	0.00	-10.79	0.00	10.79	923.98	227.60	448.01	414.00	81.31	-6.00	0.029
126.00	-0.19	-0.11	0.00	-0.33	0.00	0.33	919.84	226.14	442.28	409.48	81.94	-6.00	0.001
129.00	0.00	-0.09	0.00	0.00	0.00	0.00	894.51	217.37	408.63	382.62	85.70	-6.00	0.000

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph with 1.00 in Radial Ice — 22 Iterations

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

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces Wind FX (lb)	Shaft Forces Dead Load (lb)	Discrete Forces Wind FX (lb)	Discrete Forces Torsion MY (lb-ft)	Discrete Forces Moment MZ (lb-ft)	Discrete Forces Dead Load (lb)	Linear Forces Wind FX (lb)	Linear Forces Dead Load (lb)	Sum of Forces Wind FX (lb)	Sum of Forces Dead Load (lb)	Sum of Forces Torsion MY (lb-ft)	Sum of Forces Moment MZ (lb)
0.00		79.7	0.0					0.0	0.0	79.7	0.0	0.0	0.0
5.00		157.8	1,384.5					0.0	361.4	157.8	1,746.0	0.0	0.0
10.00		154.2	1,380.3					0.0	361.4	154.2	1,741.7	0.0	0.0
15.00		152.8	1,359.6					0.0	361.4	152.8	1,721.0	0.0	0.0
20.00		155.4	1,333.4					0.0	361.4	155.4	1,694.9	0.0	0.0
25.00		158.8	1,304.5					0.0	361.4	158.8	1,665.9	0.0	0.0
30.00		141.8	1,273.8					0.0	361.4	141.8	1,635.2	0.0	0.0
33.83	Bot - Section 2	80.8	955.7					0.0	277.1	80.8	1,232.8	0.0	0.0
35.00		100.9	509.7					0.0	84.3	100.9	594.0	0.0	0.0
40.00		87.3	2,143.0					0.0	361.4	87.3	2,504.5	0.0	0.0
40.33	Top - Section 1	81.6	140.9					0.0	24.1	81.6	165.0	0.0	0.0
45.00		157.2	1,111.8					0.0	337.3	157.2	1,449.1	0.0	0.0
50.00		161.4	1,157.9					0.0	361.4	161.4	1,519.3	0.0	0.0
55.00		159.6	1,123.3					0.0	361.4	159.6	1,484.7	0.0	0.0
60.00		157.4	1,088.2					0.0	361.4	157.4	1,449.7	0.0	0.0
65.00		154.8	1,052.9					0.0	361.4	154.8	1,414.3	0.0	0.0
70.00		151.9	1,017.2					0.0	361.4	151.9	1,378.6	0.0	0.0
75.00		134.1	981.3					0.0	361.4	134.1	1,342.7	0.0	0.0
79.00	Bot - Section 3	73.6	759.7					0.0	289.2	73.6	1,048.9	0.0	0.0
80.00		70.4	271.6					0.0	72.3	70.4	343.9	0.0	0.0
83.83	Top - Section 2	72.4	1,019.4					0.0	277.1	72.4	1,296.5	0.0	0.0
85.00		87.3	149.7					0.0	84.3	87.3	234.0	0.0	0.0
90.00		99.6	622.1					0.0	361.4	99.6	983.5	0.0	0.0
92.10		68.5	254.9					0.0	151.8	68.5	406.7	0.0	0.0
95.00		62.3	344.1					0.0	209.6	62.3	553.8	0.0	0.0
96.70		66.4	198.1					0.0	122.9	66.4	321.0	0.0	0.0
100.00		68.2	375.1					0.0	238.6	68.2	613.7	0.0	0.0
101.90		64.2	211.4					0.0	137.3	64.2	348.8	0.0	0.0
105.00		84.3	336.2					0.0	224.1	84.3	560.3	0.0	0.0
108.60		61.9	377.6					0.0	260.2	61.9	637.8	0.0	0.0
110.00		64.9	143.8					0.0	101.2	64.9	245.0	0.0	0.0
114.00	Appurtenance(s)	59.5	397.6	821.2	0.0	612.5	4,345.0	0.0	289.2	880.8	5,031.8	0.0	0.0
115.00		33.7	97.4					0.0	68.4	33.7	165.8	0.0	0.0
116.90		57.1	181.8					0.0	130.0	57.1	311.8	0.0	0.0
120.00		89.6	287.8					0.0	212.1	89.6	499.9	0.0	0.0
125.00		59.9	441.1					0.0	342.1	59.9	783.2	0.0	0.0
125.50	Appurtenance(s)	10.6	43.1	400.5	0.0	0.0	1,953.4	0.0	34.2	411.1	2,030.7	0.0	0.0
126.00	Appurtenance(s)	36.5	42.8	1,438.8	0.0	1,565.3	5,964.3	0.0	34.2	1,475.3	6,041.4	0.0	0.0
129.00		31.2	250.0					0.0	109.2	31.2	359.2	0.0	0.0
								Totals:		6,409.98	47,557.3	0.00	0.00

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.00 in Radial Ice 22 Iterations

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-58.41	-8.59	0.00	-834.23	0.00	834.23	3,299.40	971.43	4,896.32	3,797.13	0.00	0.00	0.237
5.00	-56.66	-8.48	0.00	-791.30	0.00	791.30	3,261.75	947.06	4,653.76	3,659.11	0.03	-0.05	0.234
10.00	-54.91	-8.38	0.00	-748.89	0.00	748.89	3,221.78	922.69	4,417.37	3,520.74	0.11	-0.11	0.230
15.00	-53.18	-8.27	0.00	-707.00	0.00	707.00	3,179.49	898.32	4,187.13	3,382.22	0.26	-0.16	0.226
20.00	-51.48	-8.16	0.00	-665.64	0.00	665.64	3,134.88	873.95	3,963.06	3,243.76	0.46	-0.22	0.222
25.00	-49.81	-8.05	0.00	-624.82	0.00	624.82	3,087.95	849.58	3,745.15	3,105.54	0.72	-0.28	0.217
30.00	-48.16	-7.94	0.00	-584.58	0.00	584.58	3,038.69	825.21	3,533.40	2,967.79	1.04	-0.34	0.213
33.83	-46.93	-7.88	0.00	-554.14	0.00	554.14	2,999.35	806.53	3,375.23	2,862.61	1.33	-0.38	0.209
35.00	-46.33	-7.80	0.00	-544.95	0.00	544.95	2,987.11	800.84	3,327.81	2,830.70	1.43	-0.40	0.208
40.00	-43.82	-7.72	0.00	-505.93	0.00	505.93	2,933.21	776.47	3,128.38	2,694.46	1.88	-0.46	0.203
40.33	-43.65	-7.66	0.00	-503.36	0.00	503.36	2,953.95	785.73	3,203.39	2,746.08	1.91	-0.46	0.198
45.00	-42.20	-7.54	0.00	-467.59	0.00	467.59	2,902.37	762.98	3,020.63	2,619.49	2.39	-0.52	0.193
50.00	-40.67	-7.41	0.00	-429.90	0.00	429.90	2,844.86	738.61	2,830.78	2,485.00	2.97	-0.58	0.187
55.00	-39.18	-7.27	0.00	-392.87	0.00	392.87	2,785.03	714.24	2,647.08	2,351.89	3.61	-0.64	0.181
60.00	-37.72	-7.14	0.00	-356.52	0.00	356.52	2,722.88	689.87	2,469.55	2,220.35	4.32	-0.70	0.175
65.00	-36.30	-7.00	0.00	-320.83	0.00	320.83	2,658.40	665.50	2,298.18	2,090.60	5.09	-0.77	0.167
70.00	-34.92	-6.87	0.00	-285.80	0.00	285.80	2,591.60	641.14	2,132.97	1,962.83	5.93	-0.83	0.159
75.00	-33.57	-6.75	0.00	-251.45	0.00	251.45	2,522.48	616.77	1,973.93	1,837.26	6.83	-0.89	0.150
79.00	-32.52	-6.68	0.00	-224.46	0.00	224.46	2,465.51	597.27	1,851.13	1,738.50	7.59	-0.94	0.142
80.00	-32.18	-6.62	0.00	-217.78	0.00	217.78	2,451.04	592.40	1,821.04	1,714.07	7.79	-0.95	0.140
83.83	-30.88	-6.54	0.00	-192.42	0.00	192.42	1,187.39	349.45	1,056.01	819.28	8.57	-1.00	0.261
85.00	-30.64	-6.47	0.00	-184.80	0.00	184.80	1,182.21	346.04	1,035.49	807.70	8.82	-1.01	0.255
90.00	-29.65	-6.39	0.00	-152.43	0.00	152.43	1,158.57	331.42	949.84	757.92	9.92	-1.10	0.227
92.10	-27.35	-5.90	0.00	-139.02	0.00	139.02	1,147.95	325.28	914.97	736.97	10.41	-1.13	0.213
95.00	-26.79	-5.85	0.00	-121.89	0.00	121.89	1,132.61	316.79	867.88	708.05	11.12	-1.18	0.196
96.70	-24.51	-5.35	0.00	-111.95	0.00	111.95	1,123.26	311.82	840.86	691.12	11.54	-1.21	0.184
100.00	-23.90	-5.28	0.00	-94.31	0.00	94.31	1,104.33	302.17	789.62	658.31	12.40	-1.26	0.165
101.90	-21.57	-4.77	0.00	-84.28	0.00	84.28	1,092.98	296.62	760.85	639.49	12.90	-1.28	0.152
105.00	-21.01	-4.69	0.00	-69.49	0.00	69.49	1,073.73	287.55	715.06	608.90	13.75	-1.32	0.134
108.60	-17.89	-4.05	0.00	-52.62	0.00	52.62	1,050.26	277.02	663.67	573.64	14.76	-1.36	0.109
110.00	-17.65	-3.99	0.00	-46.95	0.00	46.95	1,040.80	272.93	644.20	560.01	15.16	-1.38	0.101
114.00	-12.64	-2.99	0.00	-30.39	0.00	30.39	1,012.79	261.23	590.17	521.42	16.33	-1.41	0.071
115.00	-12.47	-2.95	0.00	-27.40	0.00	27.40	1,005.56	258.31	577.03	511.86	16.63	-1.42	0.066
116.90	-9.66	-2.31	0.00	-21.80	0.00	21.80	991.55	252.75	552.48	493.79	17.19	-1.43	0.054
120.00	-9.16	-2.21	0.00	-14.64	0.00	14.64	967.99	243.69	513.56	464.63	18.12	-1.44	0.041
125.00	-8.38	-2.13	0.00	-3.59	0.00	3.59	928.10	229.06	453.79	418.54	19.64	-1.46	0.018
125.50	-6.36	-1.67	0.00	-2.52	0.00	2.52	923.98	227.60	448.01	414.00	19.80	-1.46	0.013
126.00	-0.36	-0.04	0.00	-0.12	0.00	0.12	919.84	226.14	442.28	409.48	19.95	-1.46	0.001
129.00	0.00	-0.03	0.00	0.00	0.00	0.00	894.51	217.37	408.63	382.62	20.86	-1.46	0.000

Load Case: 1.0D + 1.0W Serviceability 60 mph 22 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		60.8	0.0					0.0	0.0	60.8	0.0	0.0	0.0
5.00		120.1	929.9					0.0	301.2	120.1	1,231.1	0.0	0.0
10.00		117.0	906.3					0.0	301.2	117.0	1,207.5	0.0	0.0
15.00		115.7	882.7					0.0	301.2	115.7	1,183.9	0.0	0.0
20.00		117.5	859.1					0.0	301.2	117.5	1,160.3	0.0	0.0
25.00		119.8	835.4					0.0	301.2	119.8	1,136.6	0.0	0.0
30.00		106.8	811.8					0.0	301.2	106.8	1,113.0	0.0	0.0
33.83	Bot - Section 2	60.8	606.4					0.0	230.9	60.8	837.3	0.0	0.0
35.00		75.8	366.1					0.0	70.3	75.8	436.3	0.0	0.0
40.00		65.6	1,539.7					0.0	301.2	65.6	1,840.9	0.0	0.0
40.33	Top - Section 1	61.2	101.0					0.0	20.1	61.2	121.0	0.0	0.0
45.00		117.8	700.7					0.0	281.1	117.8	981.8	0.0	0.0
50.00		120.7	727.9					0.0	301.2	120.7	1,029.1	0.0	0.0
55.00		119.1	704.2					0.0	301.2	119.1	1,005.4	0.0	0.0
60.00		117.2	680.6					0.0	301.2	117.2	981.8	0.0	0.0
65.00		115.0	657.0					0.0	301.2	115.0	958.2	0.0	0.0
70.00		112.6	633.4					0.0	301.2	112.6	934.6	0.0	0.0
75.00		99.2	609.7					0.0	301.2	99.2	910.9	0.0	0.0
79.00	Bot - Section 3	54.4	470.8					0.0	241.0	54.4	711.7	0.0	0.0
80.00		51.9	185.5					0.0	60.2	51.9	245.8	0.0	0.0
83.83	Top - Section 2	53.4	697.2					0.0	230.9	53.4	928.2	0.0	0.0
85.00		64.1	78.7					0.0	70.3	64.1	148.9	0.0	0.0
90.00		73.1	328.4					0.0	301.2	73.1	629.6	0.0	0.0
92.10		50.2	133.7					0.0	126.5	50.2	260.2	0.0	0.0
95.00		45.6	180.5					0.0	174.7	45.6	355.2	0.0	0.0
96.70		48.5	103.6					0.0	102.4	48.5	206.0	0.0	0.0
100.00		49.7	196.4					0.0	198.8	49.7	395.2	0.0	0.0
101.90		46.7	110.3					0.0	114.5	46.7	224.8	0.0	0.0
105.00		61.2	175.6					0.0	186.7	61.2	362.3	0.0	0.0
108.60		44.8	197.0					0.0	216.9	44.8	413.9	0.0	0.0
110.00		46.9	74.6					0.0	84.3	46.9	159.0	0.0	0.0
114.00	Appurtenance(s)	42.9	207.1	789.5	0.0	659.0	2,366.6	0.0	241.0	832.4	2,814.7	0.0	0.0
115.00		24.2	50.4					0.0	57.0	24.2	107.4	0.0	0.0
116.90		40.9	94.1					0.0	108.3	40.9	202.5	0.0	0.0
120.00		64.1	149.2					0.0	176.8	64.1	326.0	0.0	0.0
125.00		42.7	229.2					0.0	285.1	42.7	514.3	0.0	0.0
125.50	Appurtenance(s)	7.5	22.1	493.5	0.0	0.0	1,580.8	0.0	28.5	501.0	1,631.4	0.0	0.0
126.00	Appurtenance(s)	25.9	22.0	1,522.3	0.0	1,730.2	2,789.7	0.0	28.5	1,548.1	2,840.2	0.0	0.0
129.00		22.1	129.0					0.0	91.0	22.1	219.9	0.0	0.0
								Totals:		5,588.90	30,766.9	0.00	0.00

Load Case: 1.0D + 1.0W Serviceability 60 mph 22 Iterations

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-39.56	-8.30	0.00	-830.83	0.00	830.83	3,299.40	971.43	4,896.32	3,797.13	0.00	0.00	0.231
5.00	-38.32	-8.21	0.00	-789.35	0.00	789.35	3,261.75	947.06	4,653.76	3,659.11	0.03	-0.05	0.228
10.00	-37.10	-8.13	0.00	-748.29	0.00	748.29	3,221.78	922.69	4,417.37	3,520.74	0.11	-0.11	0.224
15.00	-35.91	-8.04	0.00	-707.65	0.00	707.65	3,179.49	898.32	4,187.13	3,382.22	0.26	-0.16	0.221
20.00	-34.74	-7.96	0.00	-667.43	0.00	667.43	3,134.88	873.95	3,963.06	3,243.76	0.46	-0.22	0.217
25.00	-33.60	-7.87	0.00	-627.64	0.00	627.64	3,087.95	849.58	3,745.15	3,105.54	0.72	-0.28	0.213
30.00	-32.48	-7.79	0.00	-588.30	0.00	588.30	3,038.69	825.21	3,533.40	2,967.79	1.04	-0.34	0.209
33.83	-31.64	-7.74	0.00	-558.46	0.00	558.46	2,999.35	806.53	3,375.23	2,862.61	1.33	-0.38	0.206
35.00	-31.20	-7.68	0.00	-549.43	0.00	549.43	2,987.11	800.84	3,327.81	2,830.70	1.43	-0.40	0.205
40.00	-29.35	-7.62	0.00	-511.04	0.00	511.04	2,933.21	776.47	3,128.38	2,694.46	1.88	-0.46	0.200
40.33	-29.23	-7.57	0.00	-508.50	0.00	508.50	2,953.95	785.73	3,203.39	2,746.08	1.91	-0.46	0.195
45.00	-28.24	-7.47	0.00	-473.18	0.00	473.18	2,902.37	762.98	3,020.63	2,619.49	2.39	-0.52	0.190
50.00	-27.21	-7.37	0.00	-435.81	0.00	435.81	2,844.86	738.61	2,830.78	2,485.00	2.97	-0.58	0.185
55.00	-26.19	-7.27	0.00	-398.95	0.00	398.95	2,785.03	714.24	2,647.08	2,351.89	3.62	-0.65	0.179
60.00	-25.20	-7.17	0.00	-362.60	0.00	362.60	2,722.88	689.87	2,469.55	2,220.35	4.33	-0.71	0.173
65.00	-24.24	-7.07	0.00	-326.75	0.00	326.75	2,658.40	665.50	2,298.18	2,090.60	5.11	-0.77	0.166
70.00	-23.30	-6.97	0.00	-291.41	0.00	291.41	2,591.60	641.14	2,132.97	1,962.83	5.95	-0.83	0.158
75.00	-22.38	-6.88	0.00	-256.57	0.00	256.57	2,522.48	616.77	1,973.93	1,837.26	6.86	-0.90	0.149
79.00	-21.67	-6.82	0.00	-229.06	0.00	229.06	2,465.51	597.27	1,851.13	1,738.50	7.63	-0.95	0.141
80.00	-21.42	-6.78	0.00	-222.24	0.00	222.24	2,451.04	592.40	1,821.04	1,714.07	7.83	-0.96	0.139
83.83	-20.49	-6.72	0.00	-196.26	0.00	196.26	1,187.39	349.45	1,056.01	819.28	8.62	-1.01	0.257
85.00	-20.34	-6.67	0.00	-188.42	0.00	188.42	1,182.21	346.04	1,035.49	807.70	8.87	-1.02	0.251
90.00	-19.70	-6.61	0.00	-155.06	0.00	155.06	1,158.57	331.42	949.84	757.92	9.99	-1.11	0.222
92.10	-17.91	-6.05	0.00	-141.19	0.00	141.19	1,147.95	325.28	914.97	736.97	10.48	-1.15	0.208
95.00	-17.55	-6.01	0.00	-123.63	0.00	123.63	1,132.61	316.79	867.88	708.05	11.20	-1.19	0.190
96.70	-15.76	-5.44	0.00	-113.41	0.00	113.41	1,123.26	311.82	840.86	691.12	11.63	-1.22	0.178
100.00	-15.36	-5.39	0.00	-95.46	0.00	95.46	1,104.33	302.17	789.62	658.31	12.49	-1.27	0.159
101.90	-13.54	-4.81	0.00	-85.22	0.00	85.22	1,092.98	296.62	760.85	639.49	13.00	-1.30	0.146
105.00	-13.18	-4.75	0.00	-70.31	0.00	70.31	1,073.73	287.55	715.06	608.90	13.86	-1.34	0.128
108.60	-10.76	-4.02	0.00	-53.21	0.00	53.21	1,050.26	277.02	663.67	573.64	14.88	-1.38	0.103
110.00	-10.60	-3.98	0.00	-47.58	0.00	47.58	1,040.80	272.93	644.20	560.01	15.29	-1.39	0.095
114.00	-7.80	-3.08	0.00	-31.02	0.00	31.02	1,012.79	261.23	590.17	521.42	16.47	-1.43	0.067
115.00	-7.70	-3.05	0.00	-27.95	0.00	27.95	1,005.56	258.31	577.03	511.86	16.77	-1.43	0.062
116.90	-5.47	-2.32	0.00	-22.15	0.00	22.15	991.55	252.75	552.48	493.79	17.34	-1.44	0.050
120.00	-5.15	-2.25	0.00	-14.97	0.00	14.97	967.99	243.69	513.56	464.63	18.28	-1.46	0.038
125.00	-4.64	-2.19	0.00	-3.73	0.00	3.73	928.10	229.06	453.79	418.54	19.82	-1.47	0.014
125.50	-3.02	-1.65	0.00	-2.64	0.00	2.64	923.98	227.60	448.01	414.00	19.98	-1.47	0.010
126.00	-0.22	-0.03	0.00	-0.08	0.00	0.08	919.84	226.14	442.28	409.48	20.13	-1.47	0.000
129.00	0.00	-0.02	0.00	0.00	0.00	0.00	894.51	217.37	408.63	382.62	21.06	-1.47	0.000

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):	0.06
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}):	0.20
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.10
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):	2.21
Redundancy Factor (p):	1.00
Seismic Force Distribution Exponent (k):	1.86
Total Unfactored Dead Load:	39.56 k
Seismic Base Shear (E):	1.24 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)
38	127.50	220	1,772	0.012	15	273
37	125.75	51	397	0.003	3	63
36	125.25	51	395	0.003	3	63
35	122.50	514	3,846	0.026	32	638
34	118.45	326	2,290	0.015	19	404
33	115.95	202	1,367	0.009	11	251
32	114.50	107	709	0.005	6	133
31	112.00	448	2,838	0.019	23	556
30	109.30	159	962	0.006	8	197
29	106.80	414	2,400	0.016	20	513
28	103.45	362	1,980	0.013	16	449
27	100.95	225	1,174	0.008	10	279
26	98.35	395	1,967	0.013	16	490
25	95.85	206	977	0.006	8	255
24	93.55	355	1,611	0.011	13	440
23	91.05	260	1,122	0.007	9	323
22	87.50	630	2,522	0.017	21	781
21	84.42	149	558	0.004	5	185
20	81.92	928	3,290	0.022	27	1,151
19	79.50	246	824	0.005	7	305
18	77.00	712	2,249	0.015	19	883
17	72.50	911	2,575	0.017	21	1,130
16	67.50	935	2,313	0.015	19	1,159
15	62.50	958	2,056	0.014	17	1,188
14	57.50	982	1,805	0.012	15	1,218

13	52.50	1,005	1,561	0.010	13	1,247
12	47.50	1,029	1,327	0.009	11	1,276
11	42.67	982	1,038	0.007	9	1,218
10	40.17	121	114	0.001	1	150
9	37.50	1,841	1,531	0.010	13	2,283
8	34.42	436	310	0.002	3	541
7	31.92	837	517	0.003	4	1,038
6	27.50	1,113	521	0.003	4	1,380
5	22.50	1,137	367	0.002	3	1,410
4	17.50	1,160	235	0.002	2	1,439
3	12.50	1,184	128	0.001	1	1,468
2	7.50	1,208	51	0.000	0	1,497
1	2.50	1,231	7	0.000	0	1,527
Ericsson RRUS 8843 B	126.00	216	1,702	0.011	14	268
4' Pine Tree Branche	126.00	182	1,437	0.010	12	226
Ericsson RRUS 4478 B	126.00	180	1,416	0.009	12	223
Ericsson RRUS 4449 B	126.00	213	1,678	0.011	14	264
Raycap DC2-48-60-8-1	126.00	43	343	0.002	3	54
Ericsson RRUS 11 B5	126.00	152	1,199	0.008	10	189
Commscope SBNH-1D656	126.00	182	1,437	0.010	12	226
CCI HPA-65R-BUU-H8	126.00	204	1,608	0.011	13	253
Round T-Arms with Si	126.00	900	7,092	0.047	58	1,116
CCI DMP65R-BU8D	126.00	287	2,262	0.015	19	356
CCI OPA65R-BU8D	126.00	229	1,808	0.012	15	285
4' Pine Tree Branche	125.50	1,581	12,365	0.082	102	1,960
6' Pine Tree Branche	116.90	2,038	13,972	0.093	115	2,527
Commscope CBC78T-DS-	114.00	62	406	0.003	3	77
Samsung B2/B66A RRH-	114.00	253	1,657	0.011	14	314
Samsung B5/B13 RRH-B	114.00	211	1,380	0.009	11	262
Raycap RCMDC-6627-PF	114.00	32	209	0.001	2	40
Samsung MT6407-77A	114.00	245	1,602	0.011	13	304
Commscope JAHH-65B-R	114.00	364	2,380	0.016	20	451
Flat Light Sector Fr	114.00	1,200	7,854	0.052	65	1,488
6' Pine Tree Branche	108.60	2,018	12,073	0.080	99	2,503
8' Pine Tree Branche	101.90	1,605	8,530	0.057	70	1,990
8' Pine Tree Branche	96.70	1,593	7,683	0.051	63	1,975
10' Pine Tree Branch	92.10	1,541	6,788	0.045	56	1,911
		39,562	150,590	1.000	1,241	49,061

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)
38	127.50	220	1,772	0.012	15	189
37	125.75	51	397	0.003	3	43
36	125.25	51	395	0.003	3	44
35	122.50	514	3,846	0.026	32	442
34	118.45	326	2,290	0.015	19	280
33	115.95	202	1,367	0.009	11	174
32	114.50	107	709	0.005	6	92
31	112.00	448	2,838	0.019	23	385
30	109.30	159	962	0.006	8	137
29	106.80	414	2,400	0.016	20	356
28	103.45	362	1,980	0.013	16	312
27	100.95	225	1,174	0.008	10	193
26	98.35	395	1,967	0.013	16	340
25	95.85	206	977	0.006	8	177
24	93.55	355	1,611	0.011	13	305
23	91.05	260	1,122	0.007	9	224
22	87.50	630	2,522	0.017	21	541
21	84.42	149	558	0.004	5	128

20	81.92	928	3,290	0.022	27	798
19	79.50	246	824	0.005	7	211
18	77.00	712	2,249	0.015	19	612
17	72.50	911	2,575	0.017	21	783
16	67.50	935	2,313	0.015	19	804
15	62.50	958	2,056	0.014	17	824
14	57.50	982	1,805	0.012	15	844
13	52.50	1,005	1,561	0.010	13	865
12	47.50	1,029	1,327	0.009	11	885
11	42.67	982	1,038	0.007	9	844
10	40.17	121	114	0.001	1	104
9	37.50	1,841	1,531	0.010	13	1,583
8	34.42	436	310	0.002	3	375
7	31.92	837	517	0.003	4	720
6	27.50	1,113	521	0.003	4	957
5	22.50	1,137	367	0.002	3	977
4	17.50	1,160	235	0.002	2	998
3	12.50	1,184	128	0.001	1	1,018
2	7.50	1,208	51	0.000	0	1,038
1	2.50	1,231	7	0.000	0	1,059
Ericsson RRUS 8843 B	126.00	216	1,702	0.011	14	186
4' Pine Tree Branche	126.00	182	1,437	0.010	12	157
Ericsson RRUS 4478 B	126.00	180	1,416	0.009	12	155
Ericsson RRUS 4449 B	126.00	213	1,678	0.011	14	183
Raycap DC2-48-60-8-1	126.00	43	343	0.002	3	37
Ericsson RRUS 11 B5	126.00	152	1,199	0.008	10	131
Commscope SBNH-1D656	126.00	182	1,437	0.010	12	157
CCI HPA-65R-BUU-H8	126.00	204	1,608	0.011	13	175
Round T-Arms with Si	126.00	900	7,092	0.047	58	774
CCI DMP65R-BU8D	126.00	287	2,262	0.015	19	247
CCI OPA65R-BU8D	126.00	229	1,808	0.012	15	197
4' Pine Tree Branche	125.50	1,581	12,365	0.082	102	1,359
6' Pine Tree Branche	116.90	2,038	13,972	0.093	115	1,752
Commscope CBC78T-DS-	114.00	62	406	0.003	3	53
Samsung B2/B66A RRH-	114.00	253	1,657	0.011	14	218
Samsung B5/B13 RRH-B	114.00	211	1,380	0.009	11	181
Raycap RCMDC-6627-PF	114.00	32	209	0.001	2	28
Samsung MT6407-77A	114.00	245	1,602	0.011	13	211
Commscope JAHH-65B-R	114.00	364	2,380	0.016	20	313
Flat Light Sector Fr	114.00	1,200	7,854	0.052	65	1,032
6' Pine Tree Branche	108.60	2,018	12,073	0.080	99	1,736
8' Pine Tree Branche	101.90	1,605	8,530	0.057	70	1,380
8' Pine Tree Branche	96.70	1,593	7,683	0.051	63	1,370
10' Pine Tree Branch	92.10	1,541	6,788	0.045	56	1,325
		39,562	150,590	1.000	1,241	34,019

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	-47.53	-1.24	0.00	-135.17	0.00	135.17	3,299.40	971.43	4,896.32	3,797.13	0.00	0.00	0.050
5.00	-46.04	-1.25	0.00	-128.95	0.00	128.95	3,261.75	947.06	4,653.76	3,659.11	0.00	-0.01	0.049
10.00	-44.57	-1.26	0.00	-122.70	0.00	122.70	3,221.78	922.69	4,417.37	3,520.74	0.02	-0.02	0.049
15.00	-43.13	-1.26	0.00	-116.43	0.00	116.43	3,179.49	898.32	4,187.13	3,382.22	0.04	-0.03	0.048
20.00	-41.72	-1.26	0.00	-110.13	0.00	110.13	3,134.88	873.95	3,963.06	3,243.76	0.07	-0.04	0.047
25.00	-40.34	-1.26	0.00	-103.81	0.00	103.81	3,087.95	849.58	3,745.15	3,105.54	0.12	-0.05	0.046
30.00	-39.30	-1.27	0.00	-97.49	0.00	97.49	3,038.69	825.21	3,533.40	2,967.79	0.17	-0.06	0.046
33.83	-38.76	-1.27	0.00	-92.64	0.00	92.64	2,999.35	806.53	3,375.23	2,862.61	0.22	-0.06	0.045
35.00	-36.48	-1.25	0.00	-91.17	0.00	91.17	2,987.11	800.84	3,327.81	2,830.70	0.23	-0.07	0.044
40.00	-36.33	-1.26	0.00	-84.90	0.00	84.90	2,933.21	776.47	3,128.38	2,694.46	0.31	-0.08	0.044
40.33	-35.11	-1.25	0.00	-84.48	0.00	84.48	2,953.95	785.73	3,203.39	2,746.08	0.31	-0.08	0.043
45.00	-33.83	-1.24	0.00	-78.64	0.00	78.64	2,902.37	762.98	3,020.63	2,619.49	0.39	-0.09	0.042
50.00	-32.58	-1.23	0.00	-72.43	0.00	72.43	2,844.86	738.61	2,830.78	2,485.00	0.49	-0.10	0.041
55.00	-31.37	-1.22	0.00	-66.26	0.00	66.26	2,785.03	714.24	2,647.08	2,351.89	0.60	-0.11	0.039
60.00	-30.18	-1.21	0.00	-60.15	0.00	60.15	2,722.88	689.87	2,469.55	2,220.35	0.71	-0.12	0.038
65.00	-29.02	-1.19	0.00	-54.10	0.00	54.10	2,658.40	665.50	2,298.18	2,090.60	0.84	-0.13	0.037
70.00	-27.89	-1.17	0.00	-48.14	0.00	48.14	2,591.60	641.14	2,132.97	1,962.83	0.98	-0.14	0.035
75.00	-27.01	-1.16	0.00	-42.27	0.00	42.27	2,522.48	616.77	1,973.93	1,837.26	1.13	-0.15	0.034
79.00	-26.70	-1.15	0.00	-37.64	0.00	37.64	2,465.51	597.27	1,851.13	1,738.50	1.26	-0.16	0.032
80.00	-25.55	-1.12	0.00	-36.49	0.00	36.49	2,451.04	592.40	1,821.04	1,714.07	1.29	-0.16	0.032
83.83	-25.37	-1.12	0.00	-32.18	0.00	32.18	1,187.39	349.45	1,056.01	819.28	1.42	-0.17	0.061
85.00	-24.59	-1.10	0.00	-30.87	0.00	30.87	1,182.21	346.04	1,035.49	807.70	1.46	-0.17	0.059
90.00	-24.26	-1.10	0.00	-25.36	0.00	25.36	1,158.57	331.42	949.84	757.92	1.65	-0.18	0.054
92.10	-21.91	-1.02	0.00	-23.06	0.00	23.06	1,147.95	325.28	914.97	736.97	1.73	-0.19	0.050
95.00	-21.66	-1.02	0.00	-20.10	0.00	20.10	1,132.61	316.79	867.88	708.05	1.85	-0.20	0.048
96.70	-19.19	-0.93	0.00	-18.37	0.00	18.37	1,123.26	311.82	840.86	691.12	1.92	-0.20	0.044
100.00	-18.91	-0.92	0.00	-15.30	0.00	15.30	1,104.33	302.17	789.62	658.31	2.06	-0.21	0.040
101.90	-16.47	-0.83	0.00	-13.55	0.00	13.55	1,092.98	296.62	760.85	639.49	2.15	-0.21	0.036
105.00	-15.96	-0.81	0.00	-10.99	0.00	10.99	1,073.73	287.55	715.06	608.90	2.29	-0.22	0.033
108.60	-13.26	-0.69	0.00	-8.09	0.00	8.09	1,050.26	277.02	663.67	573.64	2.45	-0.23	0.027
110.00	-12.70	-0.67	0.00	-7.12	0.00	7.12	1,040.80	272.93	644.20	560.01	2.52	-0.23	0.025
114.00	-9.64	-0.52	0.00	-4.46	0.00	4.46	1,012.79	261.23	590.17	521.42	2.71	-0.23	0.018
115.00	-9.38	-0.51	0.00	-3.94	0.00	3.94	1,005.56	258.31	577.03	511.86	2.76	-0.23	0.017
116.90	-6.45	-0.36	0.00	-2.98	0.00	2.98	991.55	252.75	552.48	493.79	2.86	-0.24	0.013
120.00	-5.82	-0.33	0.00	-1.85	0.00	1.85	967.99	243.69	513.56	464.63	3.01	-0.24	0.010
125.00	-3.79	-0.21	0.00	-0.21	0.00	0.21	928.10	229.06	453.79	418.54	3.26	-0.24	0.005
125.50	-3.73	-0.21	0.00	-0.11	0.00	0.11	923.98	227.60	448.01	414.00	3.29	-0.24	0.004
126.00	0.00	0.00	0.00	0.00	0.00	0.00	919.84	226.14	442.28	409.48	3.31	-0.24	0.000
129.00	0.00	0.00	0.00	0.00	0.00	0.00	894.51	217.37	408.63	382.62	3.46	-0.24	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	-32.96	-1.24	0.00	-133.21	0.00	133.21	3,299.40	971.43	4,896.32	3,797.13	0.00	0.00	0.045
5.00	-31.92	-1.25	0.00	-127.00	0.00	127.00	3,261.75	947.06	4,653.76	3,659.11	0.00	-0.01	0.044
10.00	-30.90	-1.25	0.00	-120.77	0.00	120.77	3,221.78	922.69	4,417.37	3,520.74	0.02	-0.02	0.044
15.00	-29.91	-1.25	0.00	-114.52	0.00	114.52	3,179.49	898.32	4,187.13	3,382.22	0.04	-0.03	0.043
20.00	-28.93	-1.25	0.00	-108.26	0.00	108.26	3,134.88	873.95	3,963.06	3,243.76	0.07	-0.04	0.043
25.00	-27.97	-1.25	0.00	-101.99	0.00	101.99	3,087.95	849.58	3,745.15	3,105.54	0.12	-0.04	0.042
30.00	-27.25	-1.25	0.00	-95.73	0.00	95.73	3,038.69	825.21	3,533.40	2,967.79	0.17	-0.05	0.041
33.83	-26.88	-1.25	0.00	-90.93	0.00	90.93	2,999.35	806.53	3,375.23	2,862.61	0.21	-0.06	0.041
35.00	-25.29	-1.24	0.00	-89.47	0.00	89.47	2,987.11	800.84	3,327.81	2,830.70	0.23	-0.06	0.040
40.00	-25.19	-1.24	0.00	-83.26	0.00	83.26	2,933.21	776.47	3,128.38	2,694.46	0.30	-0.07	0.039
40.33	-24.34	-1.23	0.00	-82.85	0.00	82.85	2,953.95	785.73	3,203.39	2,746.08	0.31	-0.08	0.038
45.00	-23.46	-1.23	0.00	-77.09	0.00	77.09	2,902.37	762.98	3,020.63	2,619.49	0.39	-0.08	0.038
50.00	-22.59	-1.22	0.00	-70.96	0.00	70.96	2,844.86	738.61	2,830.78	2,485.00	0.48	-0.09	0.037
55.00	-21.75	-1.20	0.00	-64.88	0.00	64.88	2,785.03	714.24	2,647.08	2,351.89	0.59	-0.10	0.035
60.00	-20.93	-1.19	0.00	-58.87	0.00	58.87	2,722.88	689.87	2,469.55	2,220.35	0.70	-0.12	0.034
65.00	-20.12	-1.17	0.00	-52.93	0.00	52.93	2,658.40	665.50	2,298.18	2,090.60	0.83	-0.13	0.033
70.00	-19.34	-1.15	0.00	-47.07	0.00	47.07	2,591.60	641.14	2,132.97	1,962.83	0.96	-0.14	0.031
75.00	-18.73	-1.13	0.00	-41.31	0.00	41.31	2,522.48	616.77	1,973.93	1,837.26	1.11	-0.15	0.030
79.00	-18.51	-1.13	0.00	-36.77	0.00	36.77	2,465.51	597.27	1,851.13	1,738.50	1.24	-0.15	0.029
80.00	-17.72	-1.10	0.00	-35.65	0.00	35.65	2,451.04	592.40	1,821.04	1,714.07	1.27	-0.16	0.028
83.83	-17.59	-1.10	0.00	-31.43	0.00	31.43	1,187.39	349.45	1,056.01	819.28	1.40	-0.16	0.053
85.00	-17.05	-1.08	0.00	-30.14	0.00	30.14	1,182.21	346.04	1,035.49	807.70	1.44	-0.17	0.052
90.00	-16.82	-1.07	0.00	-24.76	0.00	24.76	1,158.57	331.42	949.84	757.92	1.62	-0.18	0.047
92.10	-15.19	-1.00	0.00	-22.51	0.00	22.51	1,147.95	325.28	914.97	736.97	1.70	-0.19	0.044
95.00	-15.02	-0.99	0.00	-19.61	0.00	19.61	1,132.61	316.79	867.88	708.05	1.81	-0.19	0.041
96.70	-13.31	-0.91	0.00	-17.93	0.00	17.93	1,123.26	311.82	840.86	691.12	1.88	-0.20	0.038
100.00	-13.11	-0.90	0.00	-14.93	0.00	14.93	1,104.33	302.17	789.62	658.31	2.02	-0.21	0.035
101.90	-11.42	-0.81	0.00	-13.23	0.00	13.23	1,092.98	296.62	760.85	639.49	2.11	-0.21	0.031
105.00	-11.07	-0.79	0.00	-10.72	0.00	10.72	1,073.73	287.55	715.06	608.90	2.24	-0.22	0.028
108.60	-9.19	-0.67	0.00	-7.89	0.00	7.89	1,050.26	277.02	663.67	573.64	2.41	-0.22	0.023
110.00	-8.81	-0.65	0.00	-6.95	0.00	6.95	1,040.80	272.93	644.20	560.01	2.47	-0.22	0.021
114.00	-6.68	-0.51	0.00	-4.35	0.00	4.35	1,012.79	261.23	590.17	521.42	2.66	-0.23	0.015
115.00	-6.51	-0.50	0.00	-3.85	0.00	3.85	1,005.56	258.31	577.03	511.86	2.71	-0.23	0.014
116.90	-4.48	-0.35	0.00	-2.91	0.00	2.91	991.55	252.75	552.48	493.79	2.80	-0.23	0.010
120.00	-4.03	-0.32	0.00	-1.81	0.00	1.81	967.99	243.69	513.56	464.63	2.95	-0.23	0.008
125.00	-2.63	-0.21	0.00	-0.21	0.00	0.21	928.10	229.06	453.79	418.54	3.20	-0.23	0.003
125.50	-2.59	-0.21	0.00	-0.10	0.00	0.10	923.98	227.60	448.01	414.00	3.22	-0.23	0.003
126.00	0.00	0.00	0.00	0.00	0.00	0.00	919.84	226.14	442.28	409.48	3.25	-0.23	0.000
129.00	0.00	0.00	0.00	0.00	0.00	0.00	894.51	217.37	408.63	382.62	3.39	-0.23	0.000

Analysis Summary

Load Case	Reactions Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Max Usage Elev (ft)	Interaction Ratio
1.2D + 1.0W	34.08	0.00	47.41	0.00	0.00	3433.40	83.83	1.02
0.9D + 1.0W	34.06	0.00	35.54	0.00	0.00	3393.03	83.83	0.99
1.2D + 1.0Di + 1.0Wi	8.59	0.00	58.41	0.00	0.00	834.23	83.83	0.26
1.2D + 1.0Ev + 1.0Eh	1.24	0.00	47.53	0.00	0.00	135.17	83.83	0.06
0.9D - 1.0Ev + 1.0Eh	1.24	0.00	32.96	0.00	0.00	133.21	83.83	0.05
1.0D + 1.0W	8.30	0.00	39.56	0.00	0.00	830.83	83.83	0.26

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

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

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

May 19, 2021

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

FUZE ID # 16272135

Analysis Results

T-Arm: **63.3% Pass**

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

Report Prepared By: Abigail Enriquez

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 3122063, dated March 17, 2021*
Mount Mapping Report	*RKS Design & Engineering LLC., Site ID: ATC:283424, dated April 2, 2021*

Analysis Criteria:

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

Final Loading Configuration:

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

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

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

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

Standard Conditions:

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

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

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

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

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

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

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

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

Analysis Results:

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

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

Recommendation:

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

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

Attachments:

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


04/02/2021

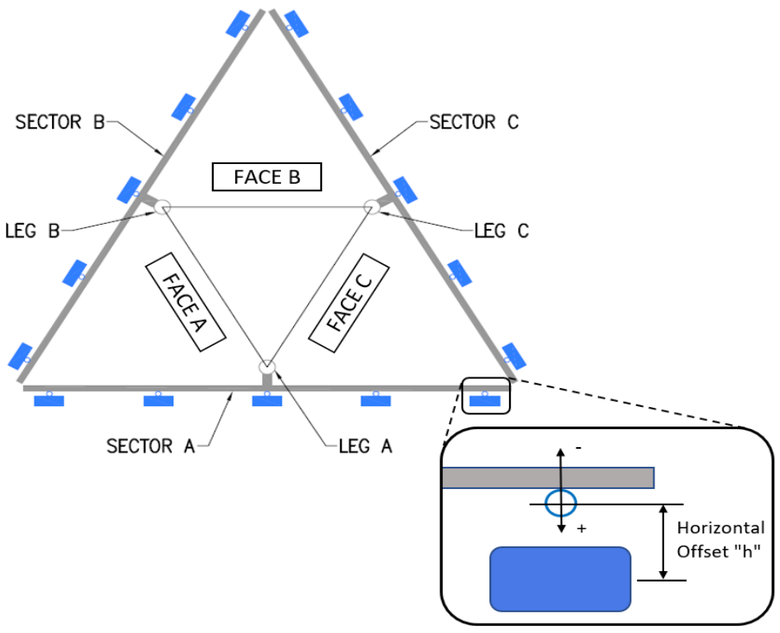
V3.0 Updated on 8-31-2020

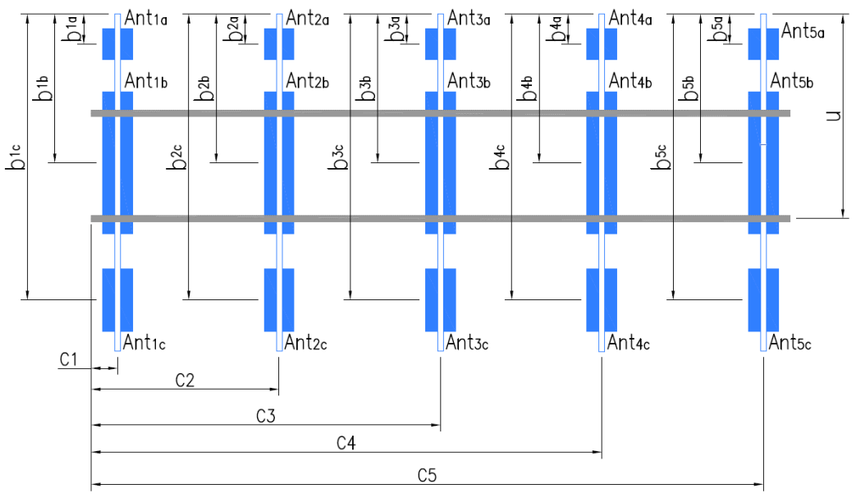
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1281760

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

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





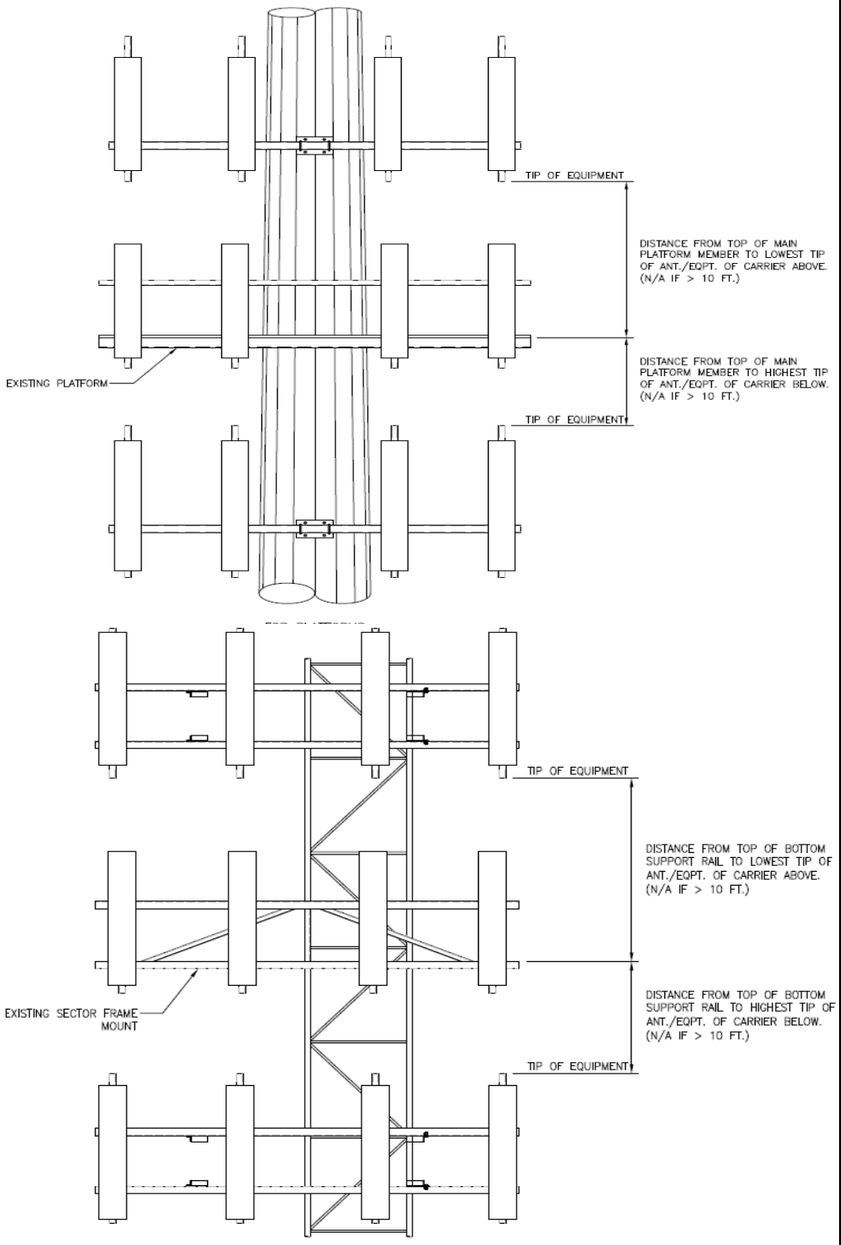
Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	13.00	C1	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	13.00
A2	PIPE 2.375"Ø X 0.15" X 96" Long	63.00	57.00	C2	PIPE 2.375"Ø X 0.15" X 96" Long	63.00	57.00
A3	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	95.50	C3	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	95.50
A4	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	138.50	C4	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	138.50
A5				C5			
A6				C6			
B1	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	13.00	D1			
B2	PIPE 2.375"Ø X 0.15" X 96" Long	63.00	57.00	D2			
B3	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	95.50	D3			
B4	PIPE 2.375"Ø X 0.15" X 96" Long	62.75	138.50	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional infomation or comments below.							
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				25.31	

	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}										
Ant_{1c}										
Ant_{2a}	B13 RRH4X30	11.80	7.50	20.90		83.4625	38.25	-7.00		253
Ant_{2b}	(2) JAHH-65B-R3B	13.80	8.20	72.00		83.15	42.00	13.50	80.00	9, 253
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RCMDC-6627-PF-48	16.50	12.60	22.50			32.75	8.25		254
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

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



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

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

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

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

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

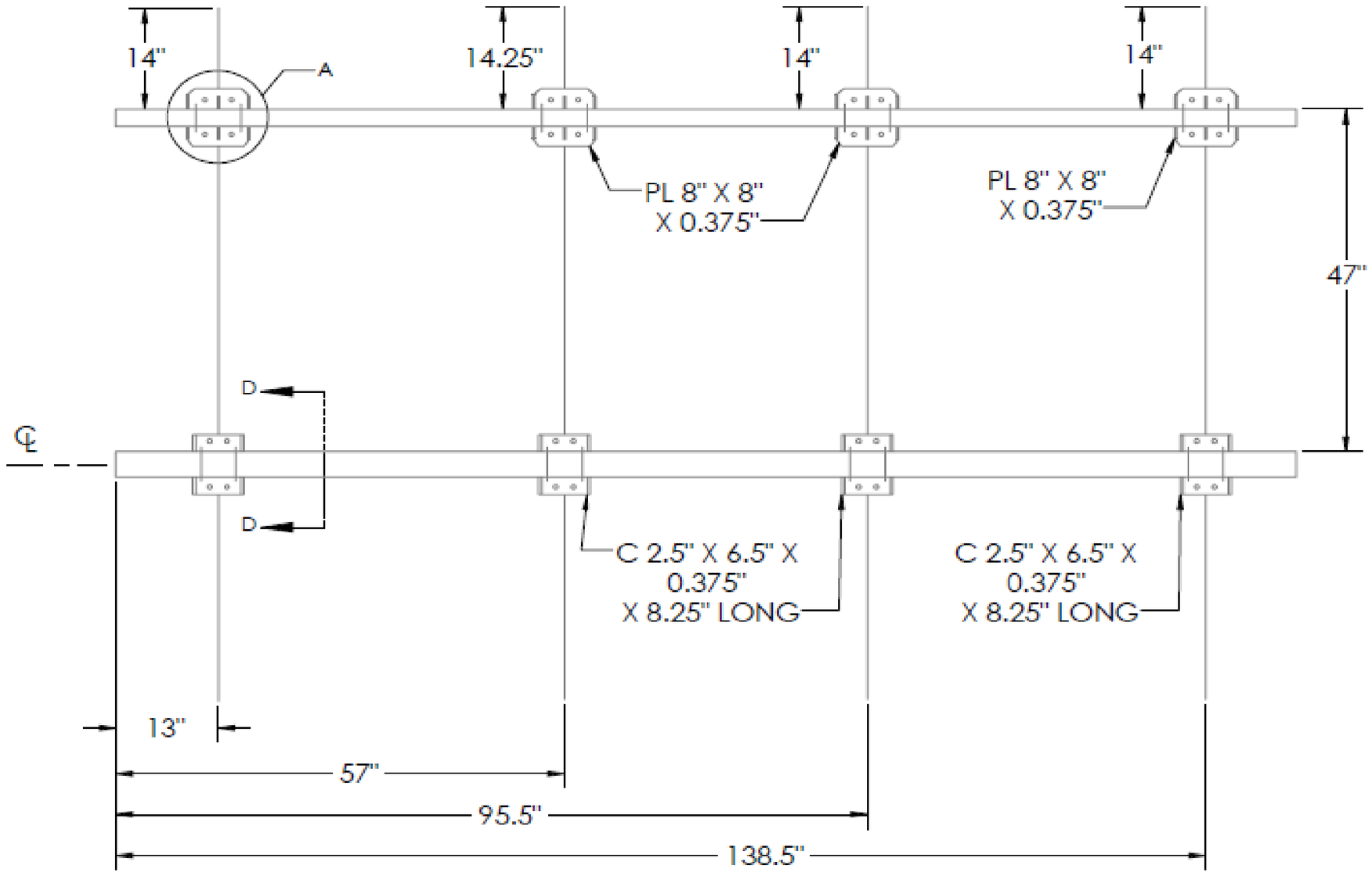
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

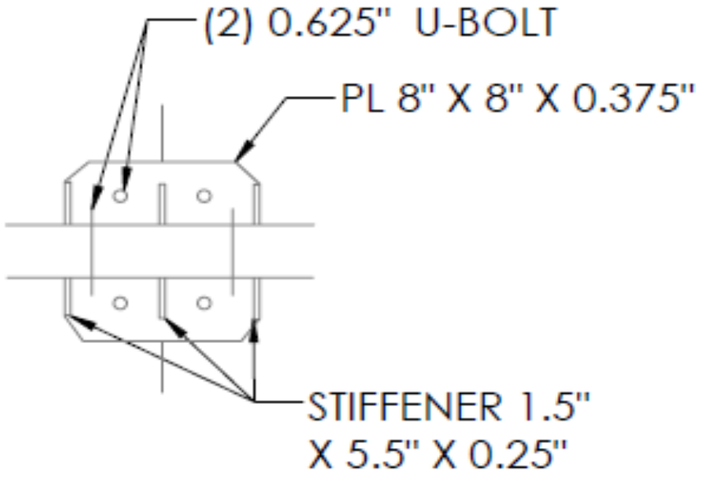
FCC #
1281760

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

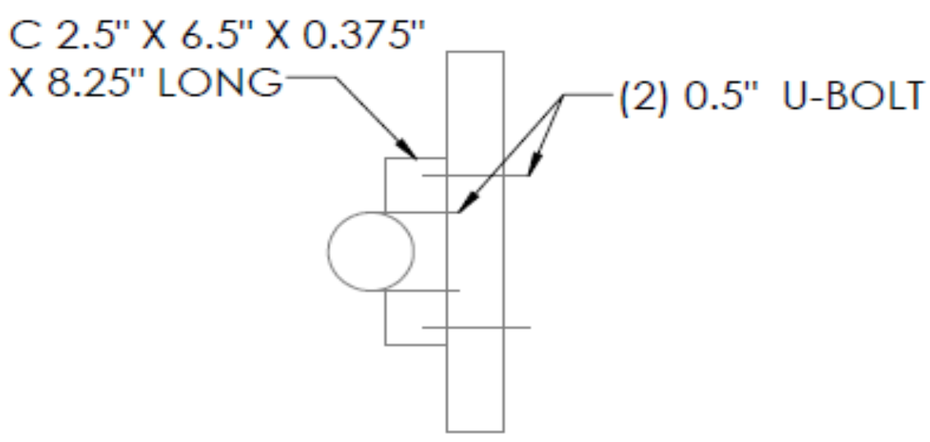
Please Insert Sketches of the Antenna Mount



SECTION-A,B & C

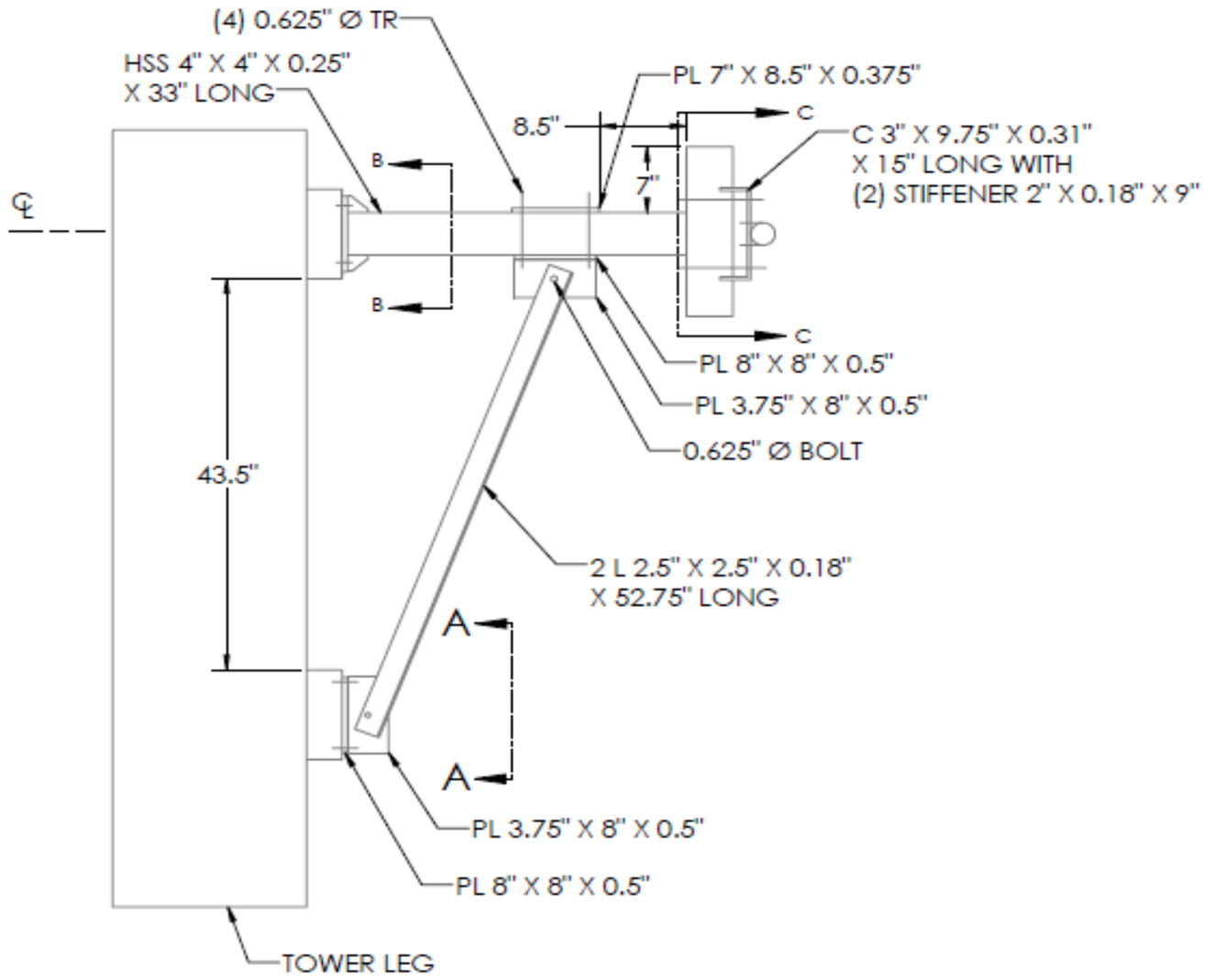


DETAIL A

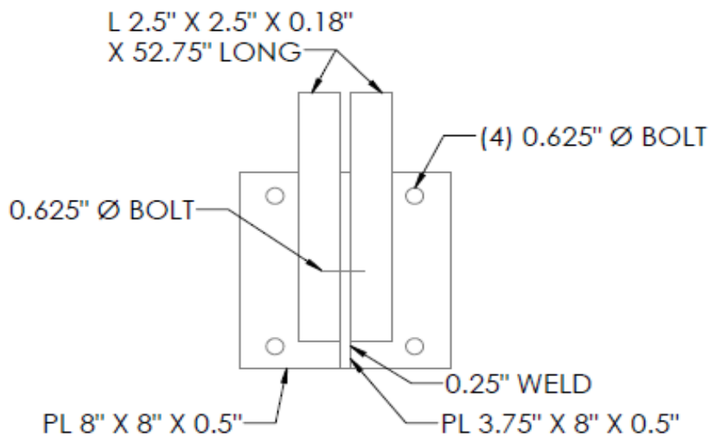


SECTION D-D

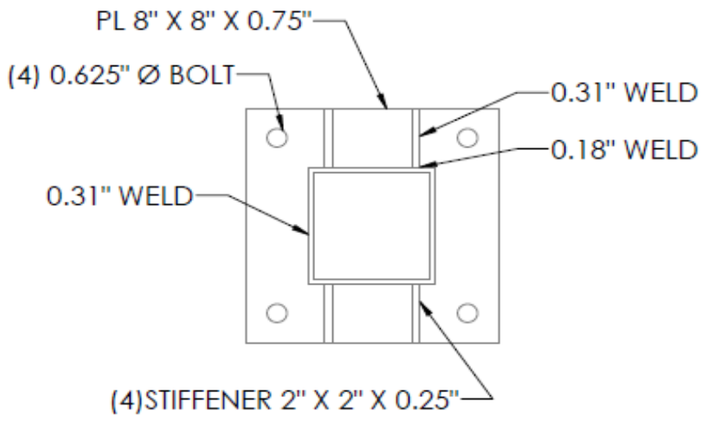
Please Insert Sketches of the Antenna Mount, cont'd



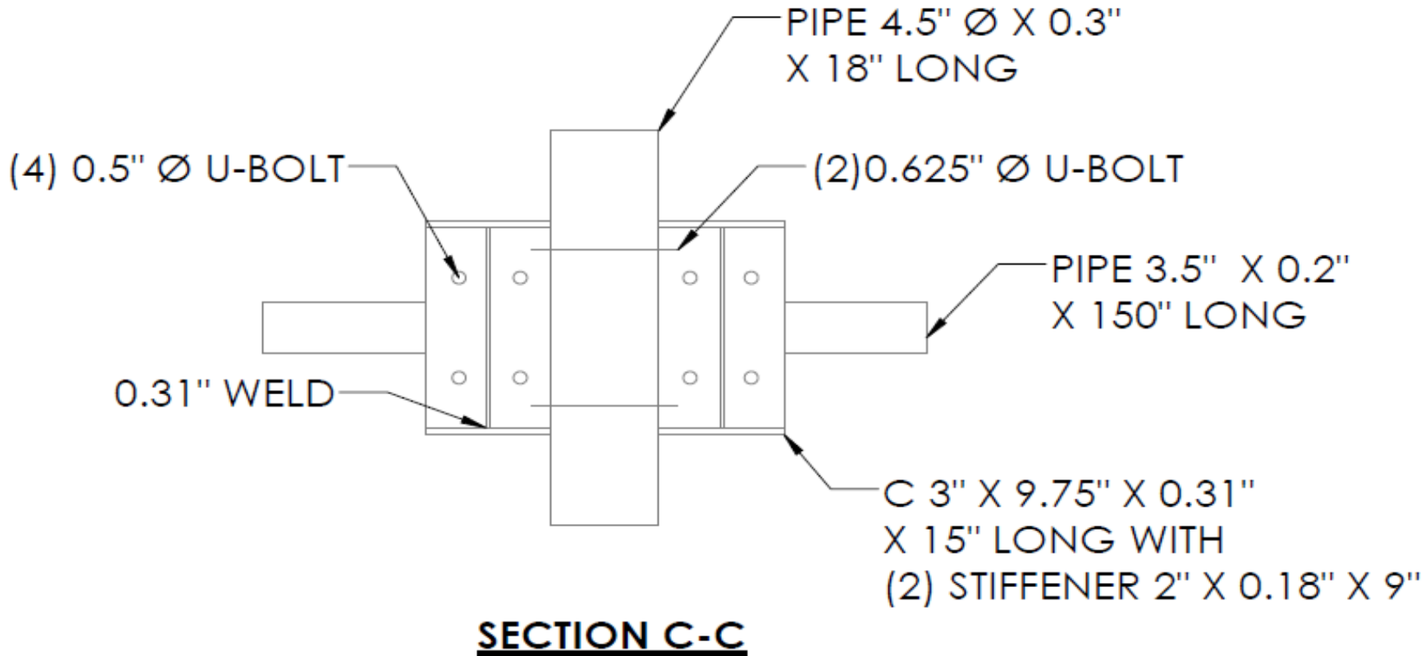
STAND OFF VIEW



SECTION A-A

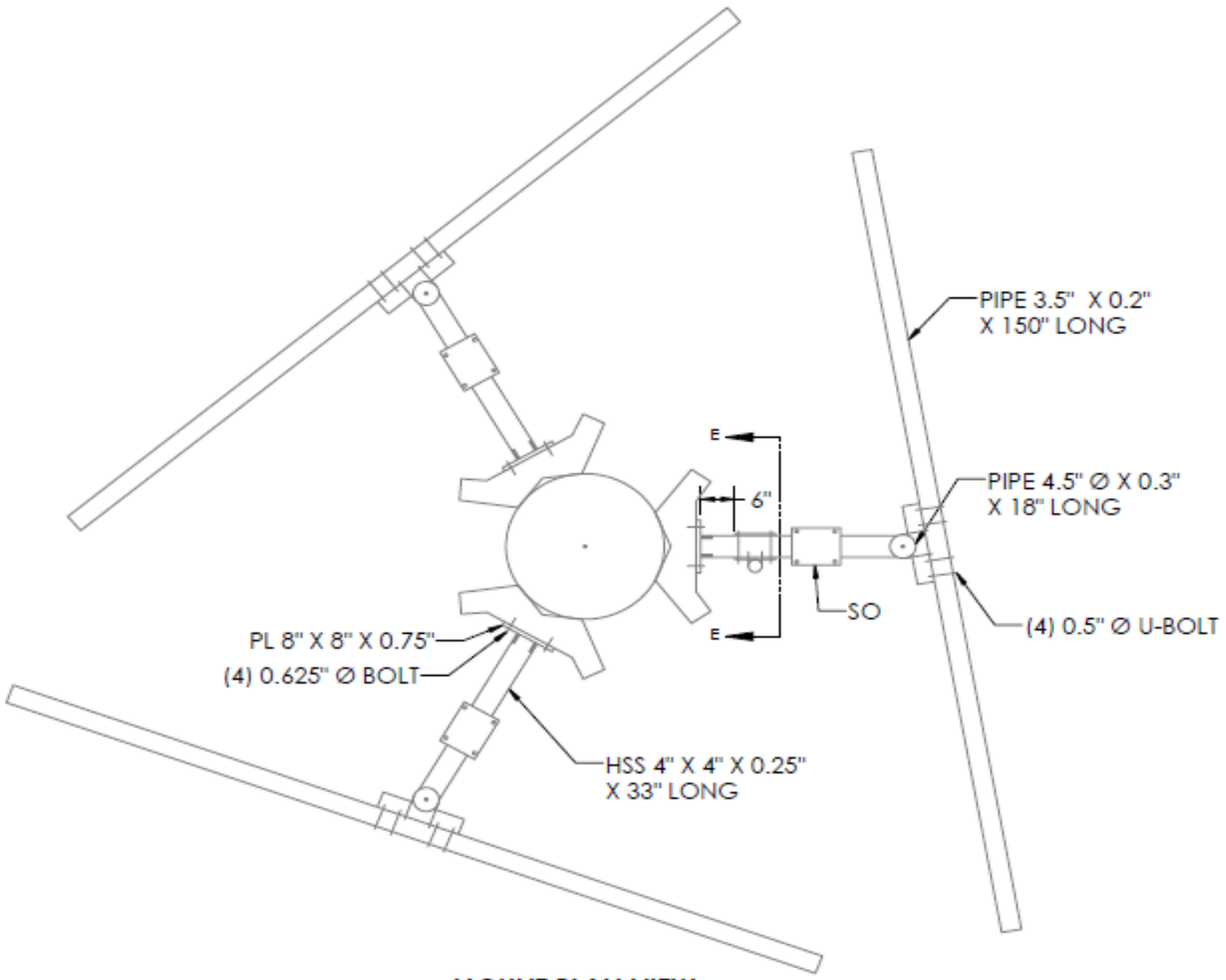


SECTION B-B

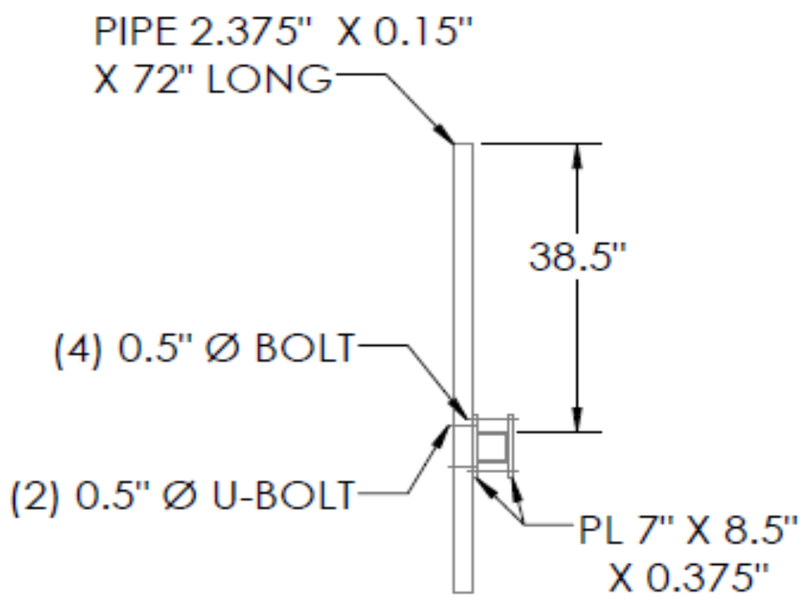


SECTION C-C

Please Insert Sketches of the Antenna Mount, cont'd

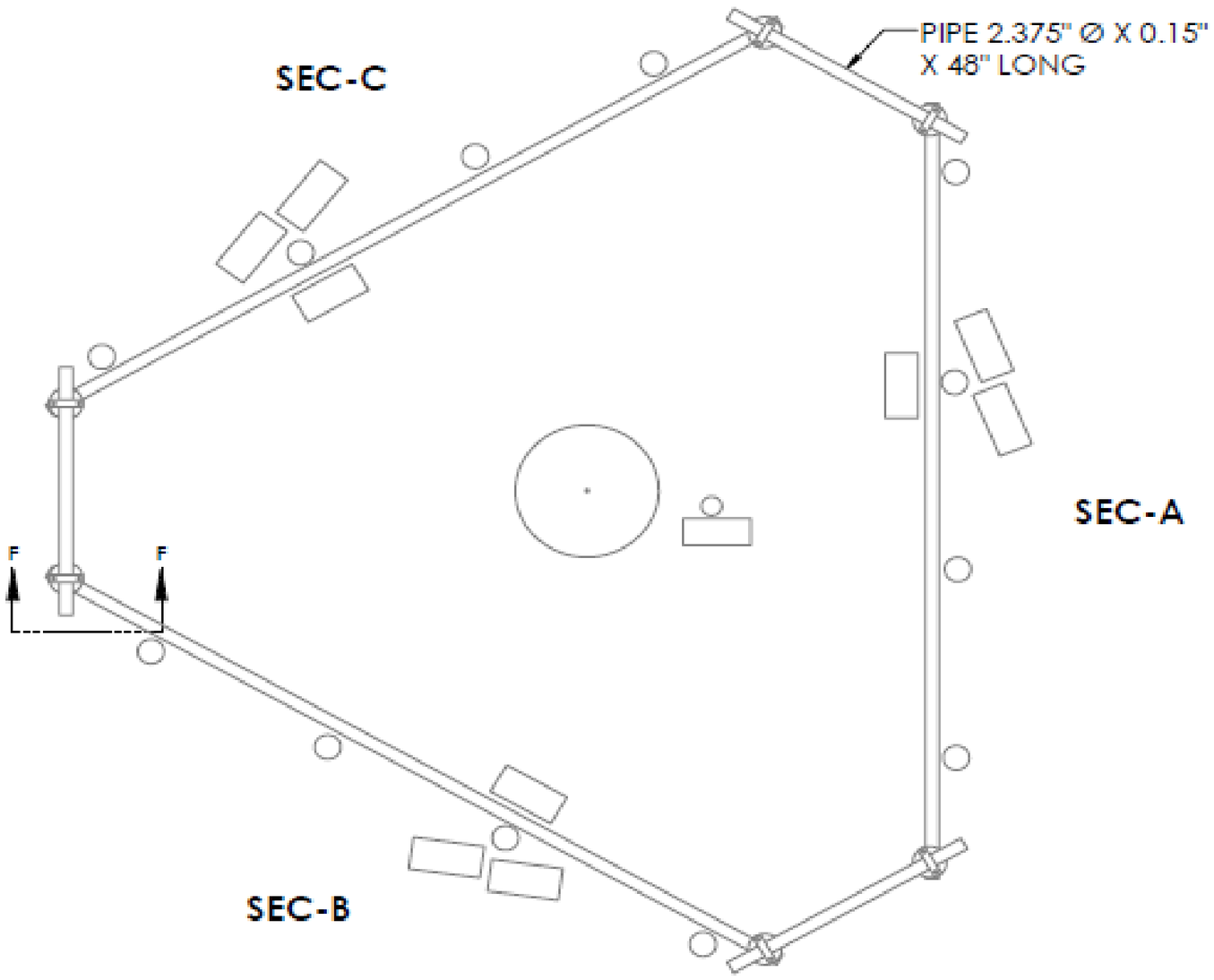


MOUNT PLAN VIEW

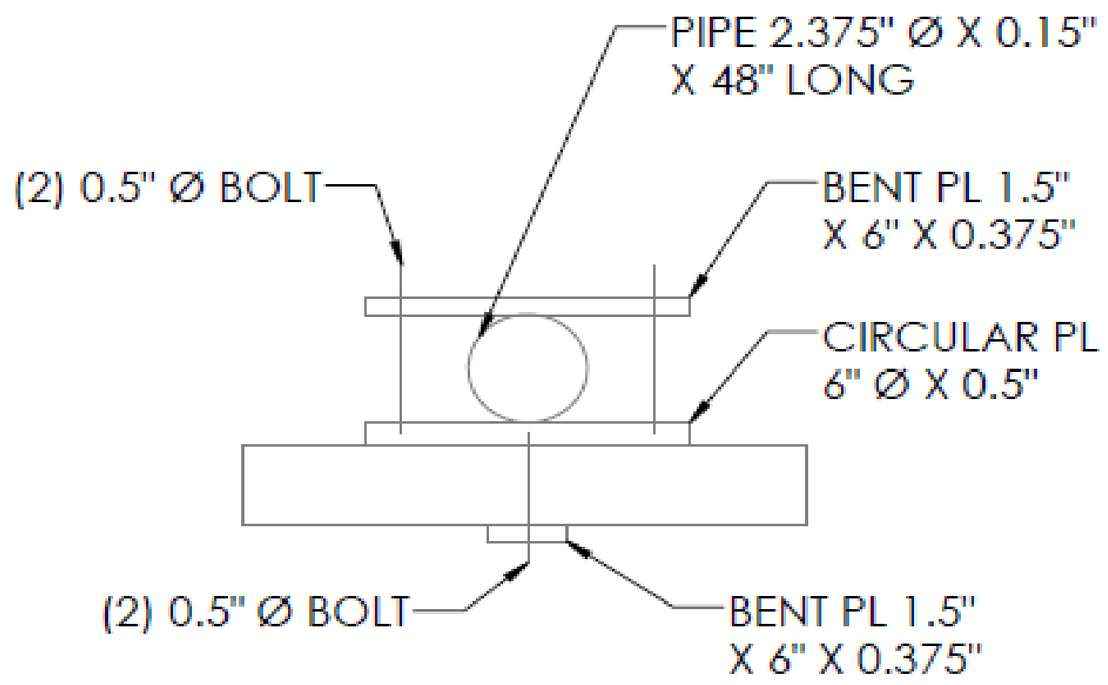


SECTION E-E

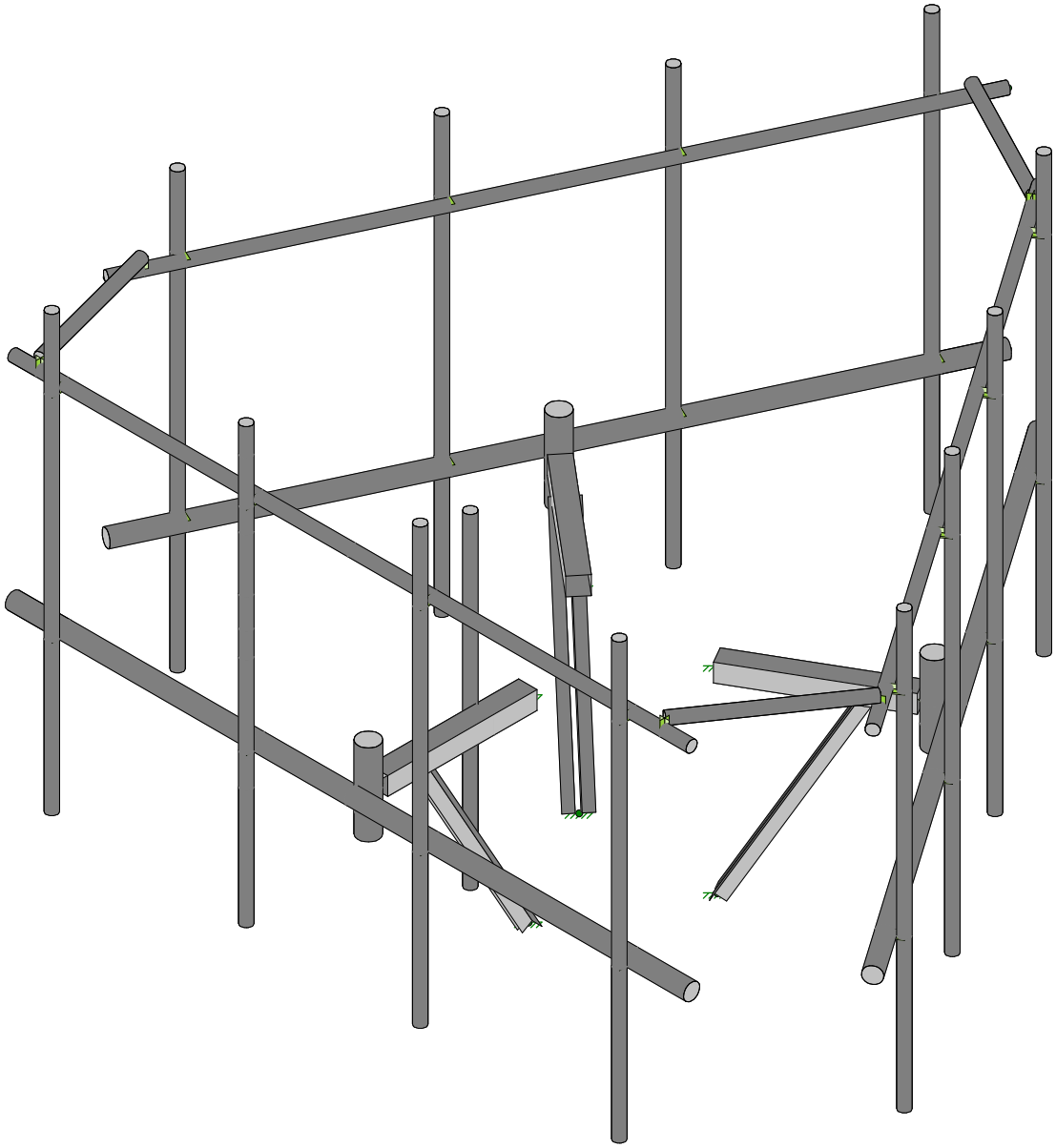
Please Insert Sketches of the Antenna Mount, cont'd



ANTENNA PLAN VIEW

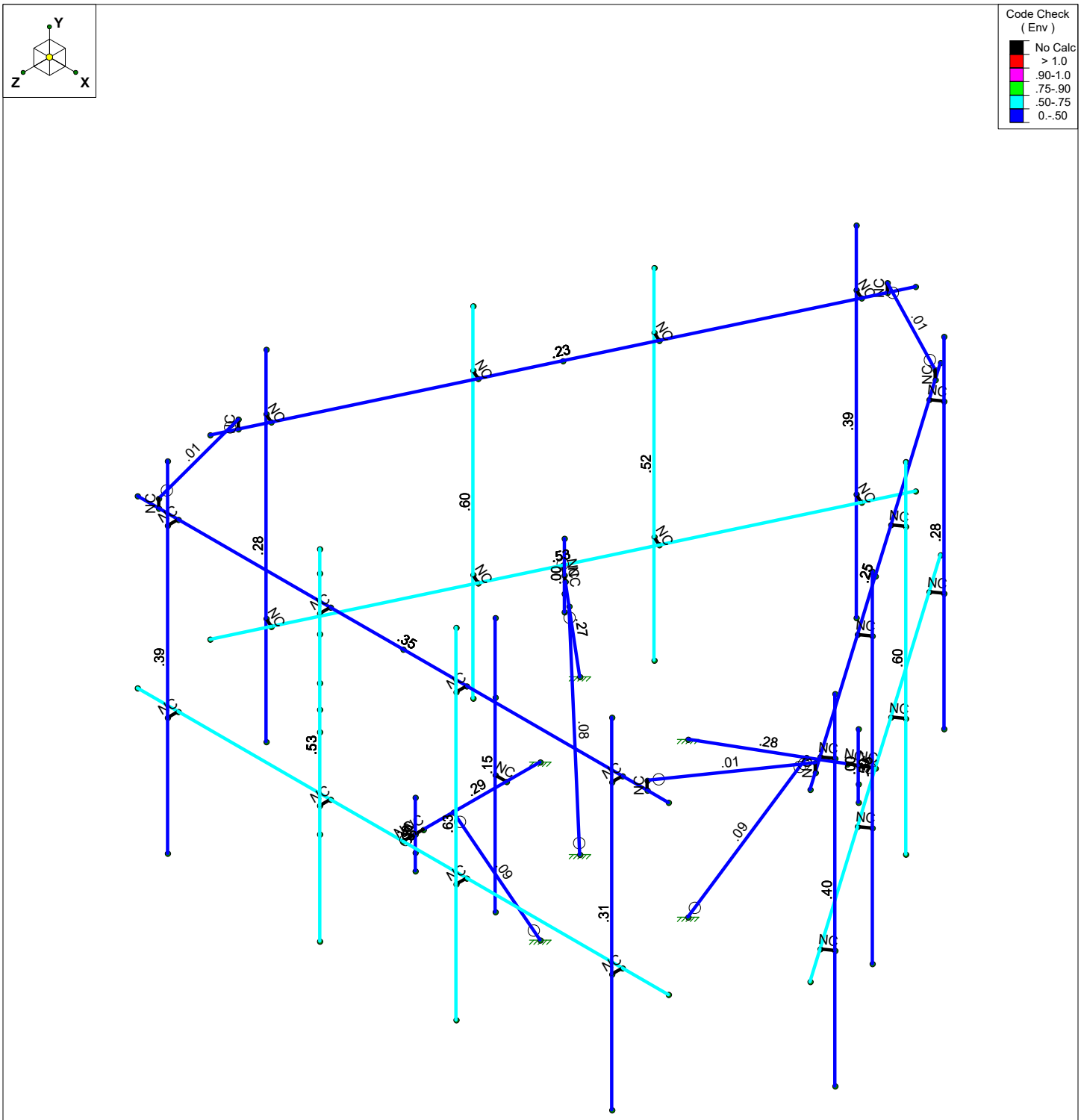


SECTION F-F



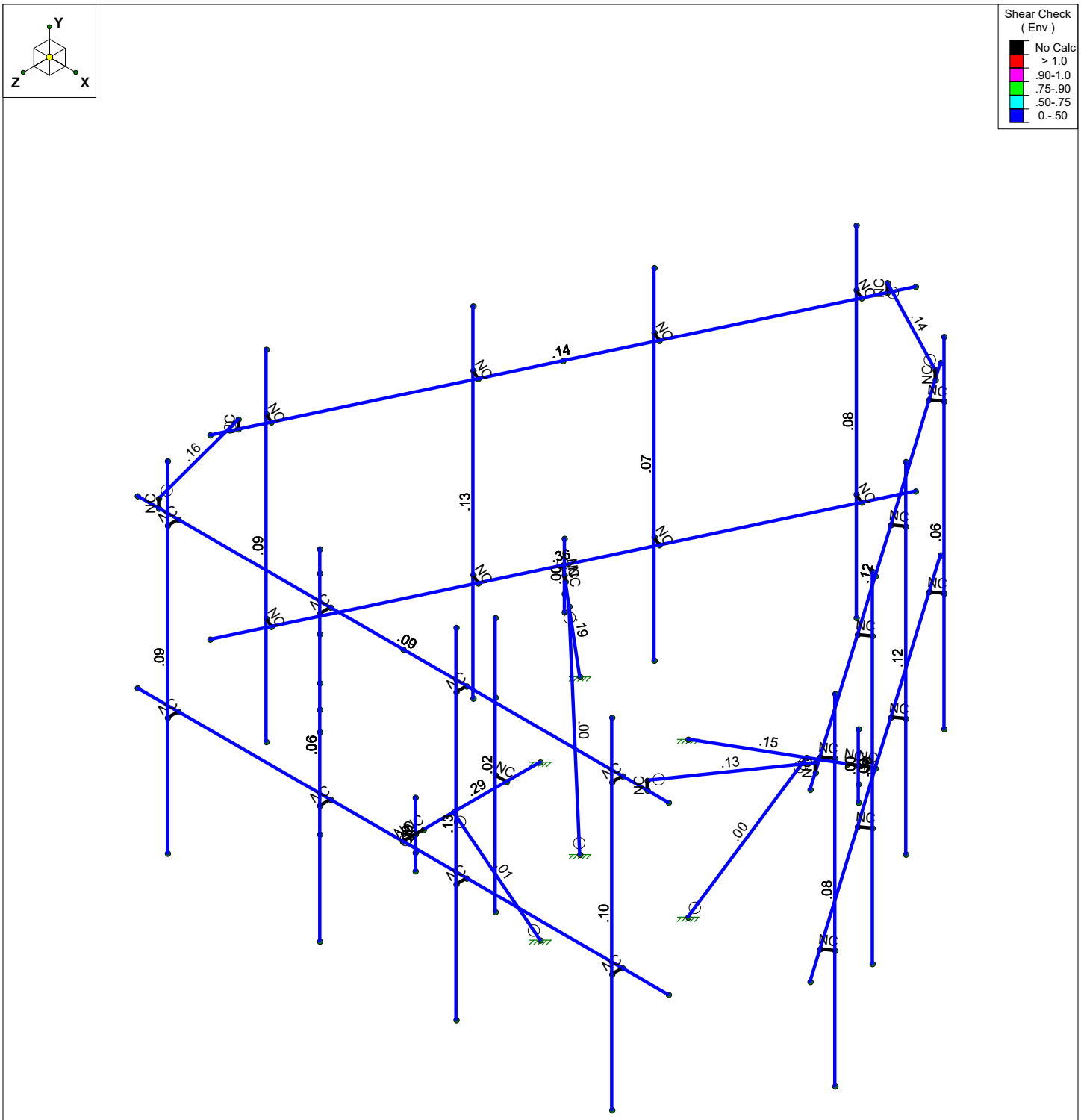
Envelope Only Solution

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



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		May 18, 2021 at 5:07 PM
		470386-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					84			
2	Antenna Di	None					84			
3	Antenna Wo (0 Deg)	None					84			
4	Antenna Wo (30 Deg)	None					84			
5	Antenna Wo (60 Deg)	None					84			
6	Antenna Wo (90 Deg)	None					84			
7	Antenna Wo (120 Deg)	None					84			
8	Antenna Wo (150 Deg)	None					84			
9	Antenna Wo (180 Deg)	None					84			
10	Antenna Wo (210 Deg)	None					84			
11	Antenna Wo (240 Deg)	None					84			
12	Antenna Wo (270 Deg)	None					84			
13	Antenna Wo (300 Deg)	None					84			
14	Antenna Wo (330 Deg)	None					84			
15	Antenna Wi (0 Deg)	None					84			
16	Antenna Wi (30 Deg)	None					84			
17	Antenna Wi (60 Deg)	None					84			
18	Antenna Wi (90 Deg)	None					84			
19	Antenna Wi (120 Deg)	None					84			
20	Antenna Wi (150 Deg)	None					84			
21	Antenna Wi (180 Deg)	None					84			
22	Antenna Wi (210 Deg)	None					84			
23	Antenna Wi (240 Deg)	None					84			
24	Antenna Wi (270 Deg)	None					84			
25	Antenna Wi (300 Deg)	None					84			
26	Antenna Wi (330 Deg)	None					84			
27	Antenna Wm (0 Deg)	None					84			
28	Antenna Wm (30 Deg)	None					84			
29	Antenna Wm (60 Deg)	None					84			
30	Antenna Wm (90 Deg)	None					84			
31	Antenna Wm (120 Deg)	None					84			
32	Antenna Wm (150 Deg)	None					84			
33	Antenna Wm (180 Deg)	None					84			
34	Antenna Wm (210 Deg)	None					84			
35	Antenna Wm (240 Deg)	None					84			
36	Antenna Wm (270 Deg)	None					84			
37	Antenna Wm (300 Deg)	None					84			
38	Antenna Wm (330 Deg)	None					84			
39	Structure D	None		-1						
40	Structure Di	None						31		
41	Structure Wo (0 Deg)	None						62		
42	Structure Wo (30 Deg)	None						62		
43	Structure Wo (60 Deg)	None						62		
44	Structure Wo (90 Deg)	None						62		
45	Structure Wo (120 D...	None						62		
46	Structure Wo (150 D...	None						62		
47	Structure Wo (180 D...	None						62		
48	Structure Wo (210 D...	None						62		
49	Structure Wo (240 D...	None						62		
50	Structure Wo (270 D...	None						62		
51	Structure Wo (300 D...	None						62		
52	Structure Wo (330 D...	None						62		
53	Structure Wi (0 Deg)	None						62		
54	Structure Wi (30 Deg)	None						62		
55	Structure Wi (60 Deg)	None						62		
56	Structure Wi (90 Deg)	None						62		

Basic Load Cases (Continued)

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

Load Combinations

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (30 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0Wi (60 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi (90 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi (120 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (150 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (180 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (210 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (240 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi (270 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi (300 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0Wi (330 D...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												
27	1.2D + 1.5Lm1 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1												
28	1.2D + 1.5Lm1 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1												

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
29	1.2D + 1.5Lm1 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1.0Eh (0 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0Eh (30 D...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.8...										
55	1.2D + 1.0Ev + 1.0Eh (60 D...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0Eh (90 D...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0Eh (120 ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0Eh (150 ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0Eh (180 ...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0Eh (210 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0Eh (240 ...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0Eh (270 ...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0Eh (300 ...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0Eh (330 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.8...										

Joint Coordinates and Temperatures

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

Joint Coordinates and Temperatures (Continued)

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

Joint Coordinates and Temperatures (Continued)

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

Joint Coordinates and Temperatures (Continued)

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

Hot Rolled Steel Section Sets

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

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N40A			Standoff Arm	Beam	Tube	A500 Gr.46	Typical
2	M2	N4	N3			Standoff Pipe	Column	Pipe	A53 Gr. B	Typical
3	M4	N7	N6			Horizontal	Column	Pipe	A53 Gr. B	Typical
4	MP1A	N13	N14			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
5	M8	N11	N12			RIGID	None	None	RIGID	Typical
6	M10A	N2	N5			RIGID	None	None	RIGID	Typical
7	MP2A	N15	N16			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
8	M8A	N13A	N14A			RIGID	None	None	RIGID	Typical
9	MP3A	N19	N20			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
10	M10	N17	N18			RIGID	None	None	RIGID	Typical
11	MP4A	N23	N24			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
12	M12	N21A	N22			RIGID	None	None	RIGID	Typical
13	M13	N27	N26			Support Rail	Column	Pipe	A53 Gr. B	Typical
14	M14	N28	N29			RIGID	None	None	RIGID	Typical
15	M15	N30	N31			RIGID	None	None	RIGID	Typical
16	M16	N32	N33			RIGID	None	None	RIGID	Typical
17	M17	N34	N35			RIGID	None	None	RIGID	Typical
18	M18	N36	N38			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
19	M19	N39	N40			RIGID	None	None	RIGID	Typical
20	M20	N2	N40A			RIGID	None	None	RIGID	Typical
21	M21	N43	N44			RIGID	None	None	RIGID	Typical
22	OVP	N45	N46			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
23	M23	N48	N47			Kickers	Column	Double Angle (...	A36 Gr.36	Typical
24	M24	N49	N88			Standoff Arm	Beam	Tube	A500 Gr.46	Typical
25	M25	N52	N51		240	Standoff Pipe	Column	Pipe	A53 Gr. B	Typical
26	M26	N55	N54			Horizontal	Column	Pipe	A53 Gr. B	Typical
27	MP1C	N58	N59		240	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
28	M28	N56	N57			RIGID	None	None	RIGID	Typical
29	M29	N50	N53			RIGID	None	None	RIGID	Typical
30	MP2C	N63	N64		240	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
31	M31	N61	N62			RIGID	None	None	RIGID	Typical
32	MP3C	N67	N68		240	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
33	M33	N65	N66			RIGID	None	None	RIGID	Typical
34	MP4C	N71	N72		240	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
35	M35	N69	N70			RIGID	None	None	RIGID	Typical
36	M36	N75	N74			Support Rail	Column	Pipe	A53 Gr. B	Typical
37	M37	N76	N77			RIGID	None	None	RIGID	Typical
38	M38	N78	N79			RIGID	None	None	RIGID	Typical
39	M39	N80	N81			RIGID	None	None	RIGID	Typical
40	M40	N82	N83			RIGID	None	None	RIGID	Typical
41	M41	N84	N85		120	RIGID	None	None	RIGID	Typical
42	M42	N86	N87		120	RIGID	None	None	RIGID	Typical
43	M43	N50	N88			RIGID	None	None	RIGID	Typical
44	M46	N96	N95			Kickers	Column	Double Angle (...	A36 Gr.36	Typical
45	M47	N97	N136			Standoff Arm	Beam	Tube	A500 Gr.46	Typical
46	M48	N100	N99		120	Standoff Pipe	Column	Pipe	A53 Gr. B	Typical
47	M49	N103	N102			Horizontal	Column	Pipe	A53 Gr. B	Typical
48	MP1B	N106	N107		120	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
49	M51	N104	N105			RIGID	None	None	RIGID	Typical
50	M52	N98	N101			RIGID	None	None	RIGID	Typical
51	MP2B	N111	N112		120	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
52	M54	N109	N110			RIGID	None	None	RIGID	Typical
53	MP3B	N115	N116		120	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
54	M56	N113	N114			RIGID	None	None	RIGID	Typical
55	MP4B	N119	N120		120	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
56	M58	N117	N118			RIGID	None	None	RIGID	Typical
57	M59	N123	N122			Support Rail	Column	Pipe	A53 Gr. B	Typical
58	M60	N124	N125			RIGID	None	None	RIGID	Typical
59	M61	N126	N127			RIGID	None	None	RIGID	Typical
60	M62	N128	N129			RIGID	None	None	RIGID	Typical
61	M63	N130	N131			RIGID	None	None	RIGID	Typical
62	M64	N132	N133		240	RIGID	None	None	RIGID	Typical
63	M65	N134	N135		240	RIGID	None	None	RIGID	Typical
64	M66	N98	N136			RIGID	None	None	RIGID	Typical
65	M69	N144	N143			Kickers	Column	Double Angle (...	A36 Gr.36	Typical
66	M70	N38	N135			Tiebacks	Column	Pipe	A53 Gr. B	Typical
67	M71	N133	N87			Tiebacks	Column	Pipe	A53 Gr. B	Typical
68	M72	N40	N85			Tiebacks	Column	Pipe	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M2						Yes	** NA **			None

Member Advanced Data (Continued)

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

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
60	M62						Yes	** NA **			None
61	M63						Yes	** NA **			None
62	M64						Yes	** NA **			None
63	M65						Yes	** NA **			None
64	M66						Yes	** NA **			None
65	M69	BenPIN	BenPIN				Yes	** NA **			None
66	M70	BenPIN	BenPIN				Yes	** NA **			None
67	M71	BenPIN	BenPIN				Yes	** NA **			None
68	M72	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

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

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

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

Member Point Loads (BLC 2 : Antenna Di)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Member Point Loads (BLC 77 : Lm1)

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

Member Point Loads (BLC 78 : Lm2)

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

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-9.066	-9.066	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	-12.73	-12.73	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-8.638	-8.638	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	-8.638	-8.638	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	-8.638	-8.638	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	-8.638	-8.638	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-8.638	-8.638	0	%100
17	OVP	X	0	0	0	%100
18	OVP	Z	-8.638	-8.638	0	%100
19	M23	X	0	0	0	%100
20	M23	Z	-18.258	-18.258	0	%100
21	M24	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M24	Z	-8.404	-8.404	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	-9.066	-9.066	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	-4.188	-4.188	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-8.638	-8.638	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-8.638	-8.638	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-8.638	-8.638	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	-8.638	-8.638	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	-2.842	-2.842	0	%100
37	M46	X	0	0	0	%100
38	M46	Z	-14.978	-14.978	0	%100
39	M47	X	0	0	0	%100
40	M47	Z	-6.576	-6.576	0	%100
41	M48	X	0	0	0	%100
42	M48	Z	-9.066	-9.066	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	-2.274	-2.274	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-8.638	-8.638	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-8.638	-8.638	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-8.638	-8.638	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	-8.638	-8.638	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	-1.543	-1.543	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-15.691	-15.691	0	%100
57	M70	X	0	0	0	%100
58	M70	Z	-.218	-.218	0	%100
59	M71	X	0	0	0	%100
60	M71	Z	-5.363	-5.363	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	-2.245	-2.245	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.401	1.401	0	%100
2	M1	Z	-2.426	-2.426	0	%100
3	M2	X	4.533	4.533	0	%100
4	M2	Z	-7.852	-7.852	0	%100
5	M4	X	4.774	4.774	0	%100
6	M4	Z	-8.268	-8.268	0	%100
7	MP1A	X	4.319	4.319	0	%100
8	MP1A	Z	-7.481	-7.481	0	%100
9	MP2A	X	4.319	4.319	0	%100
10	MP2A	Z	-7.481	-7.481	0	%100
11	MP3A	X	4.319	4.319	0	%100
12	MP3A	Z	-7.481	-7.481	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	7.278	7.278	0	%100
2	M1	Z	-4.202	-4.202	0	%100
3	M2	X	7.852	7.852	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M72	X	1.1	1.1	0	%100
62	M72	Z	-.635	-.635	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	MP4B	Z	0	0	0	%100
53	M59	X	7.095	7.095	0	%100
54	M59	Z	0	0	0	%100
55	M69	X	16.451	16.451	0	%100
56	M69	Z	0	0	0	%100
57	M70	X	6.312	6.312	0	%100
58	M70	Z	0	0	0	%100
59	M71	X	1.136	1.136	0	%100
60	M71	Z	0	0	0	%100
61	M72	X	4.694	4.694	0	%100
62	M72	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	7.278	7.278	0	%100
2	M1	Z	4.202	4.202	0	%100
3	M2	X	7.852	7.852	0	%100
4	M2	Z	4.533	4.533	0	%100
5	M4	X	2.756	2.756	0	%100
6	M4	Z	1.591	1.591	0	%100
7	MP1A	X	7.481	7.481	0	%100
8	MP1A	Z	4.319	4.319	0	%100
9	MP2A	X	7.481	7.481	0	%100
10	MP2A	Z	4.319	4.319	0	%100
11	MP3A	X	7.481	7.481	0	%100
12	MP3A	Z	4.319	4.319	0	%100
13	MP4A	X	7.481	7.481	0	%100
14	MP4A	Z	4.319	4.319	0	%100
15	M13	X	1.87	1.87	0	%100
16	M13	Z	1.08	1.08	0	%100
17	OVP	X	7.481	7.481	0	%100
18	OVP	Z	4.319	4.319	0	%100
19	M23	X	12.971	12.971	0	%100
20	M23	Z	7.489	7.489	0	%100
21	M24	X	7.278	7.278	0	%100
22	M24	Z	4.202	4.202	0	%100
23	M25	X	7.852	7.852	0	%100
24	M25	Z	4.533	4.533	0	%100
25	M26	X	1.969	1.969	0	%100
26	M26	Z	1.137	1.137	0	%100
27	MP1C	X	7.481	7.481	0	%100
28	MP1C	Z	4.319	4.319	0	%100
29	MP2C	X	7.481	7.481	0	%100
30	MP2C	Z	4.319	4.319	0	%100
31	MP3C	X	7.481	7.481	0	%100
32	MP3C	Z	4.319	4.319	0	%100
33	MP4C	X	7.481	7.481	0	%100
34	MP4C	Z	4.319	4.319	0	%100
35	M36	X	1.336	1.336	0	%100
36	M36	Z	.771	.771	0	%100
37	M46	X	12.971	12.971	0	%100
38	M46	Z	7.489	7.489	0	%100
39	M47	X	.293	.293	0	%100
40	M47	Z	.169	.169	0	%100
41	M48	X	7.852	7.852	0	%100
42	M48	Z	4.533	4.533	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	M49	X	10.941	10.941	0	%100
44	M49	Z	6.317	6.317	0	%100
45	MP1B	X	7.481	7.481	0	%100
46	MP1B	Z	4.319	4.319	0	%100
47	MP2B	X	7.481	7.481	0	%100
48	MP2B	Z	4.319	4.319	0	%100
49	MP3B	X	7.481	7.481	0	%100
50	MP3B	Z	4.319	4.319	0	%100
51	MP4B	X	7.481	7.481	0	%100
52	MP4B	Z	4.319	4.319	0	%100
53	M59	X	7.424	7.424	0	%100
54	M59	Z	4.286	4.286	0	%100
55	M69	X	15.698	15.698	0	%100
56	M69	Z	9.063	9.063	0	%100
57	M70	X	3.266	3.266	0	%100
58	M70	Z	1.886	1.886	0	%100
59	M71	X	.048	.048	0	%100
60	M71	Z	.028	.028	0	%100
61	M72	X	5.97	5.97	0	%100
62	M72	Z	3.447	3.447	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.401	1.401	0	%100
2	M1	Z	2.426	2.426	0	%100
3	M2	X	4.533	4.533	0	%100
4	M2	Z	7.852	7.852	0	%100
5	M4	X	4.774	4.774	0	%100
6	M4	Z	8.268	8.268	0	%100
7	MP1A	X	4.319	4.319	0	%100
8	MP1A	Z	7.481	7.481	0	%100
9	MP2A	X	4.319	4.319	0	%100
10	MP2A	Z	7.481	7.481	0	%100
11	MP3A	X	4.319	4.319	0	%100
12	MP3A	Z	7.481	7.481	0	%100
13	MP4A	X	4.319	4.319	0	%100
14	MP4A	Z	7.481	7.481	0	%100
15	M13	X	3.239	3.239	0	%100
16	M13	Z	5.611	5.611	0	%100
17	OVP	X	4.319	4.319	0	%100
18	OVP	Z	7.481	7.481	0	%100
19	M23	X	8.582	8.582	0	%100
20	M23	Z	14.865	14.865	0	%100
21	M24	X	5.603	5.603	0	%100
22	M24	Z	9.705	9.705	0	%100
23	M25	X	4.533	4.533	0	%100
24	M25	Z	7.852	7.852	0	%100
25	M26	X	.048	.048	0	%100
26	M26	Z	.084	.084	0	%100
27	MP1C	X	4.319	4.319	0	%100
28	MP1C	Z	7.481	7.481	0	%100
29	MP2C	X	4.319	4.319	0	%100
30	MP2C	Z	7.481	7.481	0	%100
31	MP3C	X	4.319	4.319	0	%100
32	MP3C	Z	7.481	7.481	0	%100
33	MP4C	X	4.319	4.319	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	MP4C	Z	7.481	7.481	0	%100
35	M36	X	.033	.033	0	%100
36	M36	Z	.057	.057	0	%100
37	M46	X	6.942	6.942	0	%100
38	M46	Z	12.024	12.024	0	%100
39	M47	X	.655	.655	0	%100
40	M47	Z	1.135	1.135	0	%100
41	M48	X	4.533	4.533	0	%100
42	M48	Z	7.852	7.852	0	%100
43	M49	X	4.271	4.271	0	%100
44	M49	Z	7.397	7.397	0	%100
45	MP1B	X	4.319	4.319	0	%100
46	MP1B	Z	7.481	7.481	0	%100
47	MP2B	X	4.319	4.319	0	%100
48	MP2B	Z	7.481	7.481	0	%100
49	MP3B	X	4.319	4.319	0	%100
50	MP3B	Z	7.481	7.481	0	%100
51	MP4B	X	4.319	4.319	0	%100
52	MP4B	Z	7.481	7.481	0	%100
53	M59	X	2.898	2.898	0	%100
54	M59	Z	5.02	5.02	0	%100
55	M69	X	8.873	8.873	0	%100
56	M69	Z	15.369	15.369	0	%100
57	M70	X	.363	.363	0	%100
58	M70	Z	.628	.628	0	%100
59	M71	X	1.084	1.084	0	%100
60	M71	Z	1.878	1.878	0	%100
61	M72	X	2.834	2.834	0	%100
62	M72	Z	4.909	4.909	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	9.066	9.066	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	12.73	12.73	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	8.638	8.638	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	8.638	8.638	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	8.638	8.638	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	8.638	8.638	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	8.638	8.638	0	%100
17	OVP	X	0	0	0	%100
18	OVP	Z	8.638	8.638	0	%100
19	M23	X	0	0	0	%100
20	M23	Z	18.258	18.258	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	8.404	8.404	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	9.066	9.066	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M26	X	0	0	0	%100
26	M26	Z	4.188	4.188	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	8.638	8.638	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	8.638	8.638	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	8.638	8.638	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	8.638	8.638	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	2.842	2.842	0	%100
37	M46	X	0	0	0	%100
38	M46	Z	14.978	14.978	0	%100
39	M47	X	0	0	0	%100
40	M47	Z	6.576	6.576	0	%100
41	M48	X	0	0	0	%100
42	M48	Z	9.066	9.066	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	2.274	2.274	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	8.638	8.638	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	8.638	8.638	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	8.638	8.638	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	8.638	8.638	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	1.543	1.543	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	15.691	15.691	0	%100
57	M70	X	0	0	0	%100
58	M70	Z	.218	.218	0	%100
59	M71	X	0	0	0	%100
60	M71	Z	5.363	5.363	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	2.245	2.245	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.401	-1.401	0	%100
2	M1	Z	2.426	2.426	0	%100
3	M2	X	-4.533	-4.533	0	%100
4	M2	Z	7.852	7.852	0	%100
5	M4	X	-4.774	-4.774	0	%100
6	M4	Z	8.268	8.268	0	%100
7	MP1A	X	-4.319	-4.319	0	%100
8	MP1A	Z	7.481	7.481	0	%100
9	MP2A	X	-4.319	-4.319	0	%100
10	MP2A	Z	7.481	7.481	0	%100
11	MP3A	X	-4.319	-4.319	0	%100
12	MP3A	Z	7.481	7.481	0	%100
13	MP4A	X	-4.319	-4.319	0	%100
14	MP4A	Z	7.481	7.481	0	%100
15	M13	X	-3.239	-3.239	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-7.278	-7.278	0	%100
2	M1	Z	4.202	4.202	0	%100
3	M2	X	-7.852	-7.852	0	%100
4	M2	Z	4.533	4.533	0	%100
5	M4	X	-2.756	-2.756	0	%100
6	M4	Z	1.591	1.591	0	%100

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

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

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M70	Z	0	0	0	%100
59	M71	X	-1.136	-1.136	0	%100
60	M71	Z	0	0	0	%100
61	M72	X	-4.694	-4.694	0	%100
62	M72	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-7.278	-7.278	0	%100
2	M1	Z	-4.202	-4.202	0	%100
3	M2	X	-7.852	-7.852	0	%100
4	M2	Z	-4.533	-4.533	0	%100
5	M4	X	-2.756	-2.756	0	%100
6	M4	Z	-1.591	-1.591	0	%100
7	MP1A	X	-7.481	-7.481	0	%100
8	MP1A	Z	-4.319	-4.319	0	%100
9	MP2A	X	-7.481	-7.481	0	%100
10	MP2A	Z	-4.319	-4.319	0	%100
11	MP3A	X	-7.481	-7.481	0	%100
12	MP3A	Z	-4.319	-4.319	0	%100
13	MP4A	X	-7.481	-7.481	0	%100
14	MP4A	Z	-4.319	-4.319	0	%100
15	M13	X	-1.87	-1.87	0	%100
16	M13	Z	-1.08	-1.08	0	%100
17	OVP	X	-7.481	-7.481	0	%100
18	OVP	Z	-4.319	-4.319	0	%100
19	M23	X	-12.971	-12.971	0	%100
20	M23	Z	-7.489	-7.489	0	%100
21	M24	X	-7.278	-7.278	0	%100
22	M24	Z	-4.202	-4.202	0	%100
23	M25	X	-7.852	-7.852	0	%100
24	M25	Z	-4.533	-4.533	0	%100
25	M26	X	-1.969	-1.969	0	%100
26	M26	Z	-1.137	-1.137	0	%100
27	MP1C	X	-7.481	-7.481	0	%100
28	MP1C	Z	-4.319	-4.319	0	%100
29	MP2C	X	-7.481	-7.481	0	%100
30	MP2C	Z	-4.319	-4.319	0	%100
31	MP3C	X	-7.481	-7.481	0	%100
32	MP3C	Z	-4.319	-4.319	0	%100
33	MP4C	X	-7.481	-7.481	0	%100
34	MP4C	Z	-4.319	-4.319	0	%100
35	M36	X	-1.336	-1.336	0	%100
36	M36	Z	-.771	-.771	0	%100
37	M46	X	-12.971	-12.971	0	%100
38	M46	Z	-7.489	-7.489	0	%100
39	M47	X	-.293	-.293	0	%100
40	M47	Z	-.169	-.169	0	%100
41	M48	X	-7.852	-7.852	0	%100
42	M48	Z	-4.533	-4.533	0	%100
43	M49	X	-10.941	-10.941	0	%100
44	M49	Z	-6.317	-6.317	0	%100
45	MP1B	X	-7.481	-7.481	0	%100
46	MP1B	Z	-4.319	-4.319	0	%100
47	MP2B	X	-7.481	-7.481	0	%100
48	MP2B	Z	-4.319	-4.319	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	MP3B	X	-7.481	-7.481	0	%100
50	MP3B	Z	-4.319	-4.319	0	%100
51	MP4B	X	-7.481	-7.481	0	%100
52	MP4B	Z	-4.319	-4.319	0	%100
53	M59	X	-7.424	-7.424	0	%100
54	M59	Z	-4.286	-4.286	0	%100
55	M69	X	-15.698	-15.698	0	%100
56	M69	Z	-9.063	-9.063	0	%100
57	M70	X	-3.266	-3.266	0	%100
58	M70	Z	-1.886	-1.886	0	%100
59	M71	X	-.048	-.048	0	%100
60	M71	Z	-.028	-.028	0	%100
61	M72	X	-5.97	-5.97	0	%100
62	M72	Z	-3.447	-3.447	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.401	-1.401	0	%100
2	M1	Z	-2.426	-2.426	0	%100
3	M2	X	-4.533	-4.533	0	%100
4	M2	Z	-7.852	-7.852	0	%100
5	M4	X	-4.774	-4.774	0	%100
6	M4	Z	-8.268	-8.268	0	%100
7	MP1A	X	-4.319	-4.319	0	%100
8	MP1A	Z	-7.481	-7.481	0	%100
9	MP2A	X	-4.319	-4.319	0	%100
10	MP2A	Z	-7.481	-7.481	0	%100
11	MP3A	X	-4.319	-4.319	0	%100
12	MP3A	Z	-7.481	-7.481	0	%100
13	MP4A	X	-4.319	-4.319	0	%100
14	MP4A	Z	-7.481	-7.481	0	%100
15	M13	X	-3.239	-3.239	0	%100
16	M13	Z	-5.611	-5.611	0	%100
17	OVP	X	-4.319	-4.319	0	%100
18	OVP	Z	-7.481	-7.481	0	%100
19	M23	X	-8.582	-8.582	0	%100
20	M23	Z	-14.865	-14.865	0	%100
21	M24	X	-5.603	-5.603	0	%100
22	M24	Z	-9.705	-9.705	0	%100
23	M25	X	-4.533	-4.533	0	%100
24	M25	Z	-7.852	-7.852	0	%100
25	M26	X	-.048	-.048	0	%100
26	M26	Z	-.084	-.084	0	%100
27	MP1C	X	-4.319	-4.319	0	%100
28	MP1C	Z	-7.481	-7.481	0	%100
29	MP2C	X	-4.319	-4.319	0	%100
30	MP2C	Z	-7.481	-7.481	0	%100
31	MP3C	X	-4.319	-4.319	0	%100
32	MP3C	Z	-7.481	-7.481	0	%100
33	MP4C	X	-4.319	-4.319	0	%100
34	MP4C	Z	-7.481	-7.481	0	%100
35	M36	X	-.033	-.033	0	%100
36	M36	Z	-.057	-.057	0	%100
37	M46	X	-6.942	-6.942	0	%100
38	M46	Z	-12.024	-12.024	0	%100
39	M47	X	-.655	-.655	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M47	Z	-1.135	-1.135	0	%100
41	M48	X	-4.533	-4.533	0	%100
42	M48	Z	-7.852	-7.852	0	%100
43	M49	X	-4.271	-4.271	0	%100
44	M49	Z	-7.397	-7.397	0	%100
45	MP1B	X	-4.319	-4.319	0	%100
46	MP1B	Z	-7.481	-7.481	0	%100
47	MP2B	X	-4.319	-4.319	0	%100
48	MP2B	Z	-7.481	-7.481	0	%100
49	MP3B	X	-4.319	-4.319	0	%100
50	MP3B	Z	-7.481	-7.481	0	%100
51	MP4B	X	-4.319	-4.319	0	%100
52	MP4B	Z	-7.481	-7.481	0	%100
53	M59	X	-2.898	-2.898	0	%100
54	M59	Z	-5.02	-5.02	0	%100
55	M69	X	-8.873	-8.873	0	%100
56	M69	Z	-15.369	-15.369	0	%100
57	M70	X	-.363	-.363	0	%100
58	M70	Z	-.628	-.628	0	%100
59	M71	X	-1.084	-1.084	0	%100
60	M71	Z	-1.878	-1.878	0	%100
61	M72	X	-2.834	-2.834	0	%100
62	M72	Z	-4.909	-4.909	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.954	-2.954	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	-3.96	-3.96	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-3.186	-3.186	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	-3.186	-3.186	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	-3.186	-3.186	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	-3.186	-3.186	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-3.186	-3.186	0	%100
17	OVP	X	0	0	0	%100
18	OVP	Z	-3.186	-3.186	0	%100
19	M23	X	0	0	0	%100
20	M23	Z	-4.567	-4.567	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	-2.529	-2.529	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	-2.954	-2.954	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	-1.303	-1.303	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-3.186	-3.186	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-3.186	-3.186	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-3.186	-3.186	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	-3.186	-3.186	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	-1.048	-1.048	0	%100
37	M46	X	0	0	0	%100
38	M46	Z	-4.213	-4.213	0	%100
39	M47	X	0	0	0	%100
40	M47	Z	-1.979	-1.979	0	%100
41	M48	X	0	0	0	%100
42	M48	Z	-2.954	-2.954	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	-.707	-.707	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-3.186	-3.186	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-3.186	-3.186	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-3.186	-3.186	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	-3.186	-3.186	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	-.569	-.569	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-4.29	-4.29	0	%100
57	M70	X	0	0	0	%100
58	M70	Z	-.081	-.081	0	%100
59	M71	X	0	0	0	%100
60	M71	Z	-1.992	-1.992	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	-.835	-.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.422	.422	0	%100
2	M1	Z	-.73	-.73	0	%100
3	M2	X	1.477	1.477	0	%100
4	M2	Z	-2.558	-2.558	0	%100
5	M4	X	1.485	1.485	0	%100
6	M4	Z	-2.572	-2.572	0	%100
7	MP1A	X	1.593	1.593	0	%100
8	MP1A	Z	-2.759	-2.759	0	%100
9	MP2A	X	1.593	1.593	0	%100
10	MP2A	Z	-2.759	-2.759	0	%100
11	MP3A	X	1.593	1.593	0	%100
12	MP3A	Z	-2.759	-2.759	0	%100
13	MP4A	X	1.593	1.593	0	%100
14	MP4A	Z	-2.759	-2.759	0	%100
15	M13	X	1.195	1.195	0	%100
16	M13	Z	-2.069	-2.069	0	%100
17	OVP	X	1.593	1.593	0	%100
18	OVP	Z	-2.759	-2.759	0	%100
19	M23	X	2.225	2.225	0	%100
20	M23	Z	-3.853	-3.853	0	%100
21	M24	X	.422	.422	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M24	Z	-.73	-.73	0	%100
23	M25	X	1.477	1.477	0	%100
24	M25	Z	-2.558	-2.558	0	%100
25	M26	X	1.626	1.626	0	%100
26	M26	Z	-2.817	-2.817	0	%100
27	MP1C	X	1.593	1.593	0	%100
28	MP1C	Z	-2.759	-2.759	0	%100
29	MP2C	X	1.593	1.593	0	%100
30	MP2C	Z	-2.759	-2.759	0	%100
31	MP3C	X	1.593	1.593	0	%100
32	MP3C	Z	-2.759	-2.759	0	%100
33	MP4C	X	1.593	1.593	0	%100
34	MP4C	Z	-2.759	-2.759	0	%100
35	M36	X	1.308	1.308	0	%100
36	M36	Z	-2.266	-2.266	0	%100
37	M46	X	2.225	2.225	0	%100
38	M46	Z	-3.853	-3.853	0	%100
39	M47	X	1.635	1.635	0	%100
40	M47	Z	-2.833	-2.833	0	%100
41	M48	X	1.477	1.477	0	%100
42	M48	Z	-2.558	-2.558	0	%100
43	M49	X	.015	.015	0	%100
44	M49	Z	-.026	-.026	0	%100
45	MP1B	X	1.593	1.593	0	%100
46	MP1B	Z	-2.759	-2.759	0	%100
47	MP2B	X	1.593	1.593	0	%100
48	MP2B	Z	-2.759	-2.759	0	%100
49	MP3B	X	1.593	1.593	0	%100
50	MP3B	Z	-2.759	-2.759	0	%100
51	MP4B	X	1.593	1.593	0	%100
52	MP4B	Z	-2.759	-2.759	0	%100
53	M59	X	.012	.012	0	%100
54	M59	Z	-.021	-.021	0	%100
55	M69	X	2.054	2.054	0	%100
56	M69	Z	-3.558	-3.558	0	%100
57	M70	X	.512	.512	0	%100
58	M70	Z	-.887	-.887	0	%100
59	M71	X	1.197	1.197	0	%100
60	M71	Z	-2.073	-2.073	0	%100
61	M72	X	.009	.009	0	%100
62	M72	Z	-.015	-.015	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.191	2.191	0	%100
2	M1	Z	-1.265	-1.265	0	%100
3	M2	X	2.558	2.558	0	%100
4	M2	Z	-1.477	-1.477	0	%100
5	M4	X	.857	.857	0	%100
6	M4	Z	-.495	-.495	0	%100
7	MP1A	X	2.759	2.759	0	%100
8	MP1A	Z	-1.593	-1.593	0	%100
9	MP2A	X	2.759	2.759	0	%100
10	MP2A	Z	-1.593	-1.593	0	%100
11	MP3A	X	2.759	2.759	0	%100
12	MP3A	Z	-1.593	-1.593	0	%100

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

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

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

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

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M72	X	1.746	1.746	0	%100
62	M72	Z	0	0	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	MP4B	Z	1.593	1.593	0	%100
53	M59	X	2.738	2.738	0	%100
54	M59	Z	1.581	1.581	0	%100
55	M69	X	3.943	3.943	0	%100
56	M69	Z	2.277	2.277	0	%100
57	M70	X	1.214	1.214	0	%100
58	M70	Z	.701	.701	0	%100
59	M71	X	.018	.018	0	%100
60	M71	Z	.01	.01	0	%100
61	M72	X	2.22	2.22	0	%100
62	M72	Z	1.282	1.282	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.422	.422	0	%100
2	M1	Z	.73	.73	0	%100
3	M2	X	1.477	1.477	0	%100
4	M2	Z	2.558	2.558	0	%100
5	M4	X	1.485	1.485	0	%100
6	M4	Z	2.572	2.572	0	%100
7	MP1A	X	1.593	1.593	0	%100
8	MP1A	Z	2.759	2.759	0	%100
9	MP2A	X	1.593	1.593	0	%100
10	MP2A	Z	2.759	2.759	0	%100
11	MP3A	X	1.593	1.593	0	%100
12	MP3A	Z	2.759	2.759	0	%100
13	MP4A	X	1.593	1.593	0	%100
14	MP4A	Z	2.759	2.759	0	%100
15	M13	X	1.195	1.195	0	%100
16	M13	Z	2.069	2.069	0	%100
17	OVP	X	1.593	1.593	0	%100
18	OVP	Z	2.759	2.759	0	%100
19	M23	X	2.225	2.225	0	%100
20	M23	Z	3.853	3.853	0	%100
21	M24	X	1.686	1.686	0	%100
22	M24	Z	2.921	2.921	0	%100
23	M25	X	1.477	1.477	0	%100
24	M25	Z	2.558	2.558	0	%100
25	M26	X	.015	.015	0	%100
26	M26	Z	.026	.026	0	%100
27	MP1C	X	1.593	1.593	0	%100
28	MP1C	Z	2.759	2.759	0	%100
29	MP2C	X	1.593	1.593	0	%100
30	MP2C	Z	2.759	2.759	0	%100
31	MP3C	X	1.593	1.593	0	%100
32	MP3C	Z	2.759	2.759	0	%100
33	MP4C	X	1.593	1.593	0	%100
34	MP4C	Z	2.759	2.759	0	%100
35	M36	X	.012	.012	0	%100
36	M36	Z	.021	.021	0	%100
37	M46	X	2.047	2.047	0	%100
38	M46	Z	3.546	3.546	0	%100
39	M47	X	.197	.197	0	%100
40	M47	Z	.342	.342	0	%100
41	M48	X	1.477	1.477	0	%100
42	M48	Z	2.558	2.558	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	M49	X	1.328	1.328	0	%100
44	M49	Z	2.301	2.301	0	%100
45	MP1B	X	1.593	1.593	0	%100
46	MP1B	Z	2.759	2.759	0	%100
47	MP2B	X	1.593	1.593	0	%100
48	MP2B	Z	2.759	2.759	0	%100
49	MP3B	X	1.593	1.593	0	%100
50	MP3B	Z	2.759	2.759	0	%100
51	MP4B	X	1.593	1.593	0	%100
52	MP4B	Z	2.759	2.759	0	%100
53	M59	X	1.069	1.069	0	%100
54	M59	Z	1.851	1.851	0	%100
55	M69	X	2.256	2.256	0	%100
56	M69	Z	3.907	3.907	0	%100
57	M70	X	.135	.135	0	%100
58	M70	Z	.233	.233	0	%100
59	M71	X	.403	.403	0	%100
60	M71	Z	.698	.698	0	%100
61	M72	X	1.054	1.054	0	%100
62	M72	Z	1.826	1.826	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.954	2.954	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	3.96	3.96	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	3.186	3.186	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	3.186	3.186	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	3.186	3.186	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	3.186	3.186	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	3.186	3.186	0	%100
17	OVP	X	0	0	0	%100
18	OVP	Z	3.186	3.186	0	%100
19	M23	X	0	0	0	%100
20	M23	Z	4.567	4.567	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	2.529	2.529	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	2.954	2.954	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	1.303	1.303	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	3.186	3.186	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	3.186	3.186	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	3.186	3.186	0	%100
33	MP4C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	MP4C	Z	3.186	3.186	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	1.048	1.048	0	%100
37	M46	X	0	0	0	%100
38	M46	Z	4.213	4.213	0	%100
39	M47	X	0	0	0	%100
40	M47	Z	1.979	1.979	0	%100
41	M48	X	0	0	0	%100
42	M48	Z	2.954	2.954	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	.707	.707	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	3.186	3.186	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	3.186	3.186	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	3.186	3.186	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	3.186	3.186	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	.569	.569	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	4.29	4.29	0	%100
57	M70	X	0	0	0	%100
58	M70	Z	.081	.081	0	%100
59	M71	X	0	0	0	%100
60	M71	Z	1.992	1.992	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	.835	.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.422	-.422	0	%100
2	M1	Z	.73	.73	0	%100
3	M2	X	-1.477	-1.477	0	%100
4	M2	Z	2.558	2.558	0	%100
5	M4	X	-1.485	-1.485	0	%100
6	M4	Z	2.572	2.572	0	%100
7	MP1A	X	-1.593	-1.593	0	%100
8	MP1A	Z	2.759	2.759	0	%100
9	MP2A	X	-1.593	-1.593	0	%100
10	MP2A	Z	2.759	2.759	0	%100
11	MP3A	X	-1.593	-1.593	0	%100
12	MP3A	Z	2.759	2.759	0	%100
13	MP4A	X	-1.593	-1.593	0	%100
14	MP4A	Z	2.759	2.759	0	%100
15	M13	X	-1.195	-1.195	0	%100
16	M13	Z	2.069	2.069	0	%100
17	OVP	X	-1.593	-1.593	0	%100
18	OVP	Z	2.759	2.759	0	%100
19	M23	X	-2.225	-2.225	0	%100
20	M23	Z	3.853	3.853	0	%100
21	M24	X	-.422	-.422	0	%100
22	M24	Z	.73	.73	0	%100
23	M25	X	-1.477	-1.477	0	%100
24	M25	Z	2.558	2.558	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M26	X	-1.626	-1.626	0	%100
26	M26	Z	2.817	2.817	0	%100
27	MP1C	X	-1.593	-1.593	0	%100
28	MP1C	Z	2.759	2.759	0	%100
29	MP2C	X	-1.593	-1.593	0	%100
30	MP2C	Z	2.759	2.759	0	%100
31	MP3C	X	-1.593	-1.593	0	%100
32	MP3C	Z	2.759	2.759	0	%100
33	MP4C	X	-1.593	-1.593	0	%100
34	MP4C	Z	2.759	2.759	0	%100
35	M36	X	-1.308	-1.308	0	%100
36	M36	Z	2.266	2.266	0	%100
37	M46	X	-2.225	-2.225	0	%100
38	M46	Z	3.853	3.853	0	%100
39	M47	X	-1.635	-1.635	0	%100
40	M47	Z	2.833	2.833	0	%100
41	M48	X	-1.477	-1.477	0	%100
42	M48	Z	2.558	2.558	0	%100
43	M49	X	-.015	-.015	0	%100
44	M49	Z	.026	.026	0	%100
45	MP1B	X	-1.593	-1.593	0	%100
46	MP1B	Z	2.759	2.759	0	%100
47	MP2B	X	-1.593	-1.593	0	%100
48	MP2B	Z	2.759	2.759	0	%100
49	MP3B	X	-1.593	-1.593	0	%100
50	MP3B	Z	2.759	2.759	0	%100
51	MP4B	X	-1.593	-1.593	0	%100
52	MP4B	Z	2.759	2.759	0	%100
53	M59	X	-.012	-.012	0	%100
54	M59	Z	.021	.021	0	%100
55	M69	X	-2.054	-2.054	0	%100
56	M69	Z	3.558	3.558	0	%100
57	M70	X	-.512	-.512	0	%100
58	M70	Z	.887	.887	0	%100
59	M71	X	-1.197	-1.197	0	%100
60	M71	Z	2.073	2.073	0	%100
61	M72	X	-.009	-.009	0	%100
62	M72	Z	.015	.015	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.191	-2.191	0	%100
2	M1	Z	1.265	1.265	0	%100
3	M2	X	-2.558	-2.558	0	%100
4	M2	Z	1.477	1.477	0	%100
5	M4	X	-.857	-.857	0	%100
6	M4	Z	.495	.495	0	%100
7	MP1A	X	-2.759	-2.759	0	%100
8	MP1A	Z	1.593	1.593	0	%100
9	MP2A	X	-2.759	-2.759	0	%100
10	MP2A	Z	1.593	1.593	0	%100
11	MP3A	X	-2.759	-2.759	0	%100
12	MP3A	Z	1.593	1.593	0	%100
13	MP4A	X	-2.759	-2.759	0	%100
14	MP4A	Z	1.593	1.593	0	%100
15	M13	X	-.69	-.69	0	%100

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

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

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

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

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

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

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M70	Z	-.701	-.701	0	%100
59	M71	X	-.018	-.018	0	%100
60	M71	Z	-.01	-.01	0	%100
61	M72	X	-2.22	-2.22	0	%100
62	M72	Z	-1.282	-1.282	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.422	-.422	0	%100
2	M1	Z	-.73	-.73	0	%100
3	M2	X	-1.477	-1.477	0	%100
4	M2	Z	-2.558	-2.558	0	%100
5	M4	X	-1.485	-1.485	0	%100
6	M4	Z	-2.572	-2.572	0	%100
7	MP1A	X	-1.593	-1.593	0	%100
8	MP1A	Z	-2.759	-2.759	0	%100
9	MP2A	X	-1.593	-1.593	0	%100
10	MP2A	Z	-2.759	-2.759	0	%100
11	MP3A	X	-1.593	-1.593	0	%100
12	MP3A	Z	-2.759	-2.759	0	%100
13	MP4A	X	-1.593	-1.593	0	%100
14	MP4A	Z	-2.759	-2.759	0	%100
15	M13	X	-1.195	-1.195	0	%100
16	M13	Z	-2.069	-2.069	0	%100
17	OVP	X	-1.593	-1.593	0	%100
18	OVP	Z	-2.759	-2.759	0	%100
19	M23	X	-2.225	-2.225	0	%100
20	M23	Z	-3.853	-3.853	0	%100
21	M24	X	-1.686	-1.686	0	%100
22	M24	Z	-2.921	-2.921	0	%100
23	M25	X	-1.477	-1.477	0	%100
24	M25	Z	-2.558	-2.558	0	%100
25	M26	X	-.015	-.015	0	%100
26	M26	Z	-.026	-.026	0	%100
27	MP1C	X	-1.593	-1.593	0	%100
28	MP1C	Z	-2.759	-2.759	0	%100
29	MP2C	X	-1.593	-1.593	0	%100
30	MP2C	Z	-2.759	-2.759	0	%100
31	MP3C	X	-1.593	-1.593	0	%100
32	MP3C	Z	-2.759	-2.759	0	%100
33	MP4C	X	-1.593	-1.593	0	%100
34	MP4C	Z	-2.759	-2.759	0	%100
35	M36	X	-.012	-.012	0	%100
36	M36	Z	-.021	-.021	0	%100
37	M46	X	-2.047	-2.047	0	%100
38	M46	Z	-3.546	-3.546	0	%100
39	M47	X	-.197	-.197	0	%100
40	M47	Z	-.342	-.342	0	%100
41	M48	X	-1.477	-1.477	0	%100
42	M48	Z	-2.558	-2.558	0	%100
43	M49	X	-1.328	-1.328	0	%100
44	M49	Z	-2.301	-2.301	0	%100
45	MP1B	X	-1.593	-1.593	0	%100
46	MP1B	Z	-2.759	-2.759	0	%100
47	MP2B	X	-1.593	-1.593	0	%100
48	MP2B	Z	-2.759	-2.759	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	MP3B	X	-1.593	-1.593	0	%100
50	MP3B	Z	-2.759	-2.759	0	%100
51	MP4B	X	-1.593	-1.593	0	%100
52	MP4B	Z	-2.759	-2.759	0	%100
53	M59	X	-1.069	-1.069	0	%100
54	M59	Z	-1.851	-1.851	0	%100
55	M69	X	-2.256	-2.256	0	%100
56	M69	Z	-3.907	-3.907	0	%100
57	M70	X	-.135	-.135	0	%100
58	M70	Z	-.233	-.233	0	%100
59	M71	X	-.403	-.403	0	%100
60	M71	Z	-.698	-.698	0	%100
61	M72	X	-1.054	-1.054	0	%100
62	M72	Z	-1.826	-1.826	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.617	-.617	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	-.866	-.866	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-.588	-.588	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	-.588	-.588	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	-.588	-.588	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	-.588	-.588	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-.588	-.588	0	%100
17	OVP	X	0	0	0	%100
18	OVP	Z	-.588	-.588	0	%100
19	M23	X	0	0	0	%100
20	M23	Z	-1.243	-1.243	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	-.572	-.572	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	-.617	-.617	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	-.285	-.285	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-.588	-.588	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-.588	-.588	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-.588	-.588	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	-.588	-.588	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	-.193	-.193	0	%100
37	M46	X	0	0	0	%100
38	M46	Z	-1.019	-1.019	0	%100
39	M47	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M47	Z	-.448	-.448	0	%100
41	M48	X	0	0	0	%100
42	M48	Z	-.617	-.617	0	%100
43	M49	X	0	0	0	%100
44	M49	Z	-.155	-.155	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	-.588	-.588	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	-.588	-.588	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	-.588	-.588	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	-.588	-.588	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	-.105	-.105	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-1.068	-1.068	0	%100
57	M70	X	0	0	0	%100
58	M70	Z	-.015	-.015	0	%100
59	M71	X	0	0	0	%100
60	M71	Z	-.365	-.365	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	-.153	-.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.095	.095	0	%100
2	M1	Z	-.165	-.165	0	%100
3	M2	X	.308	.308	0	%100
4	M2	Z	-.534	-.534	0	%100
5	M4	X	.325	.325	0	%100
6	M4	Z	-.563	-.563	0	%100
7	MP1A	X	.294	.294	0	%100
8	MP1A	Z	-.509	-.509	0	%100
9	MP2A	X	.294	.294	0	%100
10	MP2A	Z	-.509	-.509	0	%100
11	MP3A	X	.294	.294	0	%100
12	MP3A	Z	-.509	-.509	0	%100
13	MP4A	X	.294	.294	0	%100
14	MP4A	Z	-.509	-.509	0	%100
15	M13	X	.22	.22	0	%100
16	M13	Z	-.382	-.382	0	%100
17	OVP	X	.294	.294	0	%100
18	OVP	Z	-.509	-.509	0	%100
19	M23	X	.584	.584	0	%100
20	M23	Z	-1.012	-1.012	0	%100
21	M24	X	.095	.095	0	%100
22	M24	Z	-.165	-.165	0	%100
23	M25	X	.308	.308	0	%100
24	M25	Z	-.534	-.534	0	%100
25	M26	X	.356	.356	0	%100
26	M26	Z	-.616	-.616	0	%100
27	MP1C	X	.294	.294	0	%100
28	MP1C	Z	-.509	-.509	0	%100
29	MP2C	X	.294	.294	0	%100
30	MP2C	Z	-.509	-.509	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	MP3C	X	.294	.294	0	%100
32	MP3C	Z	-.509	-.509	0	%100
33	MP4C	X	.294	.294	0	%100
34	MP4C	Z	-.509	-.509	0	%100
35	M36	X	.241	.241	0	%100
36	M36	Z	-.418	-.418	0	%100
37	M46	X	.584	.584	0	%100
38	M46	Z	-1.012	-1.012	0	%100
39	M47	X	.37	.37	0	%100
40	M47	Z	-.641	-.641	0	%100
41	M48	X	.308	.308	0	%100
42	M48	Z	-.534	-.534	0	%100
43	M49	X	.003	.003	0	%100
44	M49	Z	-.006	-.006	0	%100
45	MP1B	X	.294	.294	0	%100
46	MP1B	Z	-.509	-.509	0	%100
47	MP2B	X	.294	.294	0	%100
48	MP2B	Z	-.509	-.509	0	%100
49	MP3B	X	.294	.294	0	%100
50	MP3B	Z	-.509	-.509	0	%100
51	MP4B	X	.294	.294	0	%100
52	MP4B	Z	-.509	-.509	0	%100
53	M59	X	.002	.002	0	%100
54	M59	Z	-.004	-.004	0	%100
55	M69	X	.477	.477	0	%100
56	M69	Z	-.826	-.826	0	%100
57	M70	X	.094	.094	0	%100
58	M70	Z	-.163	-.163	0	%100
59	M71	X	.219	.219	0	%100
60	M71	Z	-.38	-.38	0	%100
61	M72	X	.002	.002	0	%100
62	M72	Z	-.003	-.003	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.495	.495	0	%100
2	M1	Z	-.286	-.286	0	%100
3	M2	X	.534	.534	0	%100
4	M2	Z	-.308	-.308	0	%100
5	M4	X	.188	.188	0	%100
6	M4	Z	-.108	-.108	0	%100
7	MP1A	X	.509	.509	0	%100
8	MP1A	Z	-.294	-.294	0	%100
9	MP2A	X	.509	.509	0	%100
10	MP2A	Z	-.294	-.294	0	%100
11	MP3A	X	.509	.509	0	%100
12	MP3A	Z	-.294	-.294	0	%100
13	MP4A	X	.509	.509	0	%100
14	MP4A	Z	-.294	-.294	0	%100
15	M13	X	.127	.127	0	%100
16	M13	Z	-.073	-.073	0	%100
17	OVP	X	.509	.509	0	%100
18	OVP	Z	-.294	-.294	0	%100
19	M23	X	.883	.883	0	%100
20	M23	Z	-.51	-.51	0	%100
21	M24	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M24	Z	0	0	0	%100
23	M25	X	.534	.534	0	%100
24	M25	Z	-.308	-.308	0	%100
25	M26	X	.745	.745	0	%100
26	M26	Z	-.43	-.43	0	%100
27	MP1C	X	.509	.509	0	%100
28	MP1C	Z	-.294	-.294	0	%100
29	MP2C	X	.509	.509	0	%100
30	MP2C	Z	-.294	-.294	0	%100
31	MP3C	X	.509	.509	0	%100
32	MP3C	Z	-.294	-.294	0	%100
33	MP4C	X	.509	.509	0	%100
34	MP4C	Z	-.294	-.294	0	%100
35	M36	X	.505	.505	0	%100
36	M36	Z	-.292	-.292	0	%100
37	M46	X	1.076	1.076	0	%100
38	M46	Z	-.621	-.621	0	%100
39	M47	X	.583	.583	0	%100
40	M47	Z	-.337	-.337	0	%100
41	M48	X	.534	.534	0	%100
42	M48	Z	-.308	-.308	0	%100
43	M49	X	.247	.247	0	%100
44	M49	Z	-.143	-.143	0	%100
45	MP1B	X	.509	.509	0	%100
46	MP1B	Z	-.294	-.294	0	%100
47	MP2B	X	.509	.509	0	%100
48	MP2B	Z	-.294	-.294	0	%100
49	MP3B	X	.509	.509	0	%100
50	MP3B	Z	-.294	-.294	0	%100
51	MP4B	X	.509	.509	0	%100
52	MP4B	Z	-.294	-.294	0	%100
53	M59	X	.167	.167	0	%100
54	M59	Z	-.097	-.097	0	%100
55	M69	X	.848	.848	0	%100
56	M69	Z	-.49	-.49	0	%100
57	M70	X	.342	.342	0	%100
58	M70	Z	-.198	-.198	0	%100
59	M71	X	.255	.255	0	%100
60	M71	Z	-.147	-.147	0	%100
61	M72	X	.075	.075	0	%100
62	M72	Z	-.043	-.043	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.763	.763	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.617	.617	0	%100
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	MP1A	X	.588	.588	0	%100
8	MP1A	Z	0	0	0	%100
9	MP2A	X	.588	.588	0	%100
10	MP2A	Z	0	0	0	%100
11	MP3A	X	.588	.588	0	%100
12	MP3A	Z	0	0	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.495	.495	0	%100
2	M1	Z	.286	.286	0	%100
3	M2	X	.534	.534	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M72	X	.406	.406	0	%100
62	M72	Z	.235	.235	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	MP4B	Z	.509	.509	0	%100
53	M59	X	.197	.197	0	%100
54	M59	Z	.342	.342	0	%100
55	M69	X	.604	.604	0	%100
56	M69	Z	1.046	1.046	0	%100
57	M70	X	.025	.025	0	%100
58	M70	Z	.043	.043	0	%100
59	M71	X	.074	.074	0	%100
60	M71	Z	.128	.128	0	%100
61	M72	X	.193	.193	0	%100
62	M72	Z	.334	.334	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.617	.617	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	.866	.866	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	.588	.588	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	.588	.588	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	.588	.588	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	.588	.588	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	.588	.588	0	%100
17	OVP	X	0	0	0	%100
18	OVP	Z	.588	.588	0	%100
19	M23	X	0	0	0	%100
20	M23	Z	1.243	1.243	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	.572	.572	0	%100
23	M25	X	0	0	0	%100
24	M25	Z	.617	.617	0	%100
25	M26	X	0	0	0	%100
26	M26	Z	.285	.285	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	.588	.588	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	.588	.588	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	.588	.588	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	.588	.588	0	%100
35	M36	X	0	0	0	%100
36	M36	Z	.193	.193	0	%100
37	M46	X	0	0	0	%100
38	M46	Z	1.019	1.019	0	%100
39	M47	X	0	0	0	%100
40	M47	Z	.448	.448	0	%100
41	M48	X	0	0	0	%100
42	M48	Z	.617	.617	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	M49	X	0	0	0	%100
44	M49	Z	.155	.155	0	%100
45	MP1B	X	0	0	0	%100
46	MP1B	Z	.588	.588	0	%100
47	MP2B	X	0	0	0	%100
48	MP2B	Z	.588	.588	0	%100
49	MP3B	X	0	0	0	%100
50	MP3B	Z	.588	.588	0	%100
51	MP4B	X	0	0	0	%100
52	MP4B	Z	.588	.588	0	%100
53	M59	X	0	0	0	%100
54	M59	Z	.105	.105	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	1.068	1.068	0	%100
57	M70	X	0	0	0	%100
58	M70	Z	.015	.015	0	%100
59	M71	X	0	0	0	%100
60	M71	Z	.365	.365	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	.153	.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.095	-.095	0	%100
2	M1	Z	.165	.165	0	%100
3	M2	X	-.308	-.308	0	%100
4	M2	Z	.534	.534	0	%100
5	M4	X	-.325	-.325	0	%100
6	M4	Z	.563	.563	0	%100
7	MP1A	X	-.294	-.294	0	%100
8	MP1A	Z	.509	.509	0	%100
9	MP2A	X	-.294	-.294	0	%100
10	MP2A	Z	.509	.509	0	%100
11	MP3A	X	-.294	-.294	0	%100
12	MP3A	Z	.509	.509	0	%100
13	MP4A	X	-.294	-.294	0	%100
14	MP4A	Z	.509	.509	0	%100
15	M13	X	-.22	-.22	0	%100
16	M13	Z	.382	.382	0	%100
17	OVP	X	-.294	-.294	0	%100
18	OVP	Z	.509	.509	0	%100
19	M23	X	-.584	-.584	0	%100
20	M23	Z	1.012	1.012	0	%100
21	M24	X	-.095	-.095	0	%100
22	M24	Z	.165	.165	0	%100
23	M25	X	-.308	-.308	0	%100
24	M25	Z	.534	.534	0	%100
25	M26	X	-.356	-.356	0	%100
26	M26	Z	.616	.616	0	%100
27	MP1C	X	-.294	-.294	0	%100
28	MP1C	Z	.509	.509	0	%100
29	MP2C	X	-.294	-.294	0	%100
30	MP2C	Z	.509	.509	0	%100
31	MP3C	X	-.294	-.294	0	%100
32	MP3C	Z	.509	.509	0	%100
33	MP4C	X	-.294	-.294	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	MP4C	Z	.509	.509	0	%100
35	M36	X	-.241	-.241	0	%100
36	M36	Z	.418	.418	0	%100
37	M46	X	-.584	-.584	0	%100
38	M46	Z	1.012	1.012	0	%100
39	M47	X	-.37	-.37	0	%100
40	M47	Z	.641	.641	0	%100
41	M48	X	-.308	-.308	0	%100
42	M48	Z	.534	.534	0	%100
43	M49	X	-.003	-.003	0	%100
44	M49	Z	.006	.006	0	%100
45	MP1B	X	-.294	-.294	0	%100
46	MP1B	Z	.509	.509	0	%100
47	MP2B	X	-.294	-.294	0	%100
48	MP2B	Z	.509	.509	0	%100
49	MP3B	X	-.294	-.294	0	%100
50	MP3B	Z	.509	.509	0	%100
51	MP4B	X	-.294	-.294	0	%100
52	MP4B	Z	.509	.509	0	%100
53	M59	X	-.002	-.002	0	%100
54	M59	Z	.004	.004	0	%100
55	M69	X	-.477	-.477	0	%100
56	M69	Z	.826	.826	0	%100
57	M70	X	-.094	-.094	0	%100
58	M70	Z	.163	.163	0	%100
59	M71	X	-.219	-.219	0	%100
60	M71	Z	.38	.38	0	%100
61	M72	X	-.002	-.002	0	%100
62	M72	Z	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.495	-.495	0	%100
2	M1	Z	.286	.286	0	%100
3	M2	X	-.534	-.534	0	%100
4	M2	Z	.308	.308	0	%100
5	M4	X	-.188	-.188	0	%100
6	M4	Z	.108	.108	0	%100
7	MP1A	X	-.509	-.509	0	%100
8	MP1A	Z	.294	.294	0	%100
9	MP2A	X	-.509	-.509	0	%100
10	MP2A	Z	.294	.294	0	%100
11	MP3A	X	-.509	-.509	0	%100
12	MP3A	Z	.294	.294	0	%100
13	MP4A	X	-.509	-.509	0	%100
14	MP4A	Z	.294	.294	0	%100
15	M13	X	-.127	-.127	0	%100
16	M13	Z	.073	.073	0	%100
17	OVP	X	-.509	-.509	0	%100
18	OVP	Z	.294	.294	0	%100
19	M23	X	-.883	-.883	0	%100
20	M23	Z	.51	.51	0	%100
21	M24	X	0	0	0	%100
22	M24	Z	0	0	0	%100
23	M25	X	-.534	-.534	0	%100
24	M25	Z	.308	.308	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M26	X	-.745	-.745	0	%100
26	M26	Z	.43	.43	0	%100
27	MP1C	X	-.509	-.509	0	%100
28	MP1C	Z	.294	.294	0	%100
29	MP2C	X	-.509	-.509	0	%100
30	MP2C	Z	.294	.294	0	%100
31	MP3C	X	-.509	-.509	0	%100
32	MP3C	Z	.294	.294	0	%100
33	MP4C	X	-.509	-.509	0	%100
34	MP4C	Z	.294	.294	0	%100
35	M36	X	-.505	-.505	0	%100
36	M36	Z	.292	.292	0	%100
37	M46	X	-1.076	-1.076	0	%100
38	M46	Z	.621	.621	0	%100
39	M47	X	-.583	-.583	0	%100
40	M47	Z	.337	.337	0	%100
41	M48	X	-.534	-.534	0	%100
42	M48	Z	.308	.308	0	%100
43	M49	X	-.247	-.247	0	%100
44	M49	Z	.143	.143	0	%100
45	MP1B	X	-.509	-.509	0	%100
46	MP1B	Z	.294	.294	0	%100
47	MP2B	X	-.509	-.509	0	%100
48	MP2B	Z	.294	.294	0	%100
49	MP3B	X	-.509	-.509	0	%100
50	MP3B	Z	.294	.294	0	%100
51	MP4B	X	-.509	-.509	0	%100
52	MP4B	Z	.294	.294	0	%100
53	M59	X	-.167	-.167	0	%100
54	M59	Z	.097	.097	0	%100
55	M69	X	-.848	-.848	0	%100
56	M69	Z	.49	.49	0	%100
57	M70	X	-.342	-.342	0	%100
58	M70	Z	.198	.198	0	%100
59	M71	X	-.255	-.255	0	%100
60	M71	Z	.147	.147	0	%100
61	M72	X	-.075	-.075	0	%100
62	M72	Z	.043	.043	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.763	-.763	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.617	-.617	0	%100
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	MP1A	X	-.588	-.588	0	%100
8	MP1A	Z	0	0	0	%100
9	MP2A	X	-.588	-.588	0	%100
10	MP2A	Z	0	0	0	%100
11	MP3A	X	-.588	-.588	0	%100
12	MP3A	Z	0	0	0	%100
13	MP4A	X	-.588	-.588	0	%100
14	MP4A	Z	0	0	0	%100
15	M13	X	0	0	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.495	-.495	0	%100
2	M1	Z	-.286	-.286	0	%100
3	M2	X	-.534	-.534	0	%100
4	M2	Z	-.308	-.308	0	%100
5	M4	X	-.188	-.188	0	%100
6	M4	Z	-.108	-.108	0	%100

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

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

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M70	Z	-.043	-.043	0	%100
59	M71	X	-.074	-.074	0	%100
60	M71	Z	-.128	-.128	0	%100
61	M72	X	-.193	-.193	0	%100
62	M72	Z	-.334	-.334	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N1	max	1063.618	11	1461.967	1	2209.133	1	1.26	7	2.734	11	1.878	3
2		min	-1065.032	5	-2678.924	7	-3888.694	7	-.746	1	-2.725	5	-3.412	33
3	N47	max	27.907	10	3665.46	19	2036.182	19	0	51	0	47	0	47
4		min	-26.985	4	-569.376	1	-291.294	1	0	1	-.001	29	0	29
5	N49	max	1752.558	10	1289.472	9	1936.147	2	1.433	10	2.505	5	.638	8
6		min	-3205.22	4	-2482.502	3	-1092.843	8	-1.072	4	-2.525	11	-1.454	2
7	N95	max	1601.953	15	3334.623	15	112.311	9	0	5	0	5	0	11
8		min	-194.554	9	-451.028	9	-924.91	15	0	11	0	11	0	5
9	N97	max	2836.179	11	1382.65	5	2337.893	12	1.382	4	3.059	3	1.125	12
10		min	-1671.682	5	-2460.546	11	-1335.338	6	-2.043	10	-3.054	9	-1.087	6
11	N143	max	204.561	5	3296.646	11	180.435	5	0	9	0	3	0	9
12		min	-1391.056	23	-534.826	5	-1169.03	23	0	3	0	9	0	3
13	Totals:	max	4215.525	10	5161.204	16	3964.177	1						
14		min	-4215.454	4	2590.967	10	-3964.187	7						

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

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

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

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

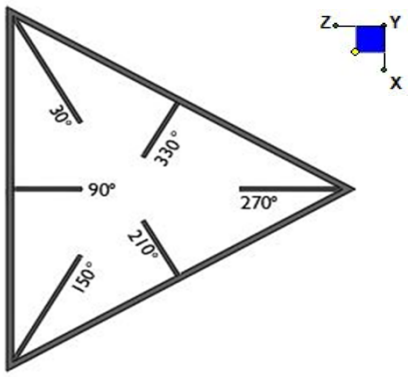
Client:	Verizon Wireless	Date:	5/18/2021
Site Name:	Watertown NE CT - American Tower		
Project No.	21777471A		
Title:	Antenna Mount Analysis - Mount	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

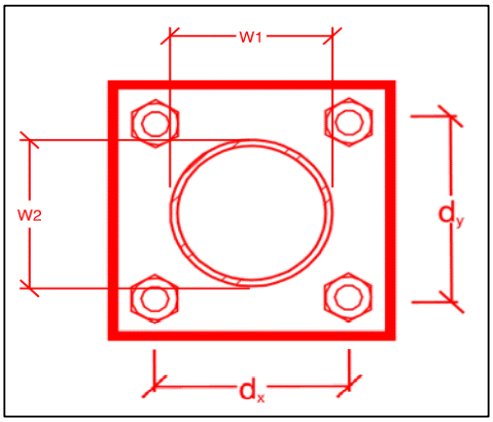
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N1	90
N49	210
N97	330



TYPICAL PLATFORM

Tower Connection Bolt Checks

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



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

Tower Connection Plate and Weld Check

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

Max Plate Bending Strengths

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

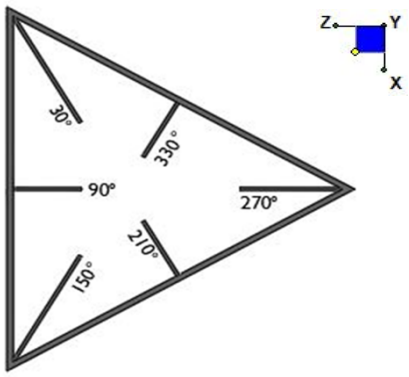
Client:	Verizon Wireless	Date:	5/18/2021
Site Name:	Watertown NE CT - American Tower		
Project No.	21777471A		
Title:	Antenna Mount Analysis - Kickers	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

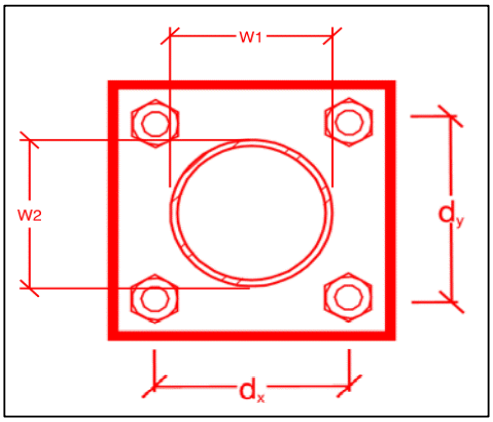
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N47	90
N95	210
N143	330



TYPICAL PLATFORM

Tower Connection Bolt Checks

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



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

Tower Connection Plate and Weld Check

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

Max Plate Bending Strengths

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to ***https://pmi.vzwsmart.com*** as depicted on the drawings

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

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

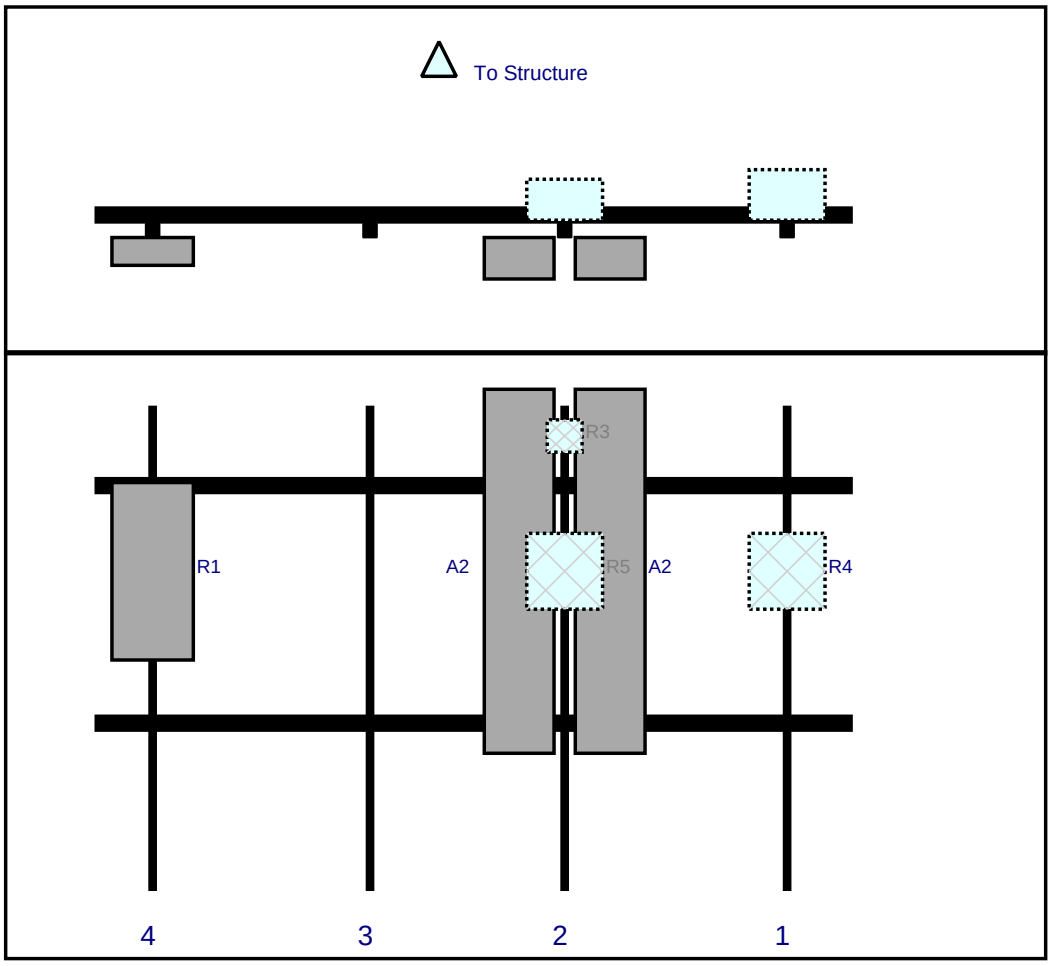
Response:

Schedule A – Photo & Document File Structure

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

Plan View

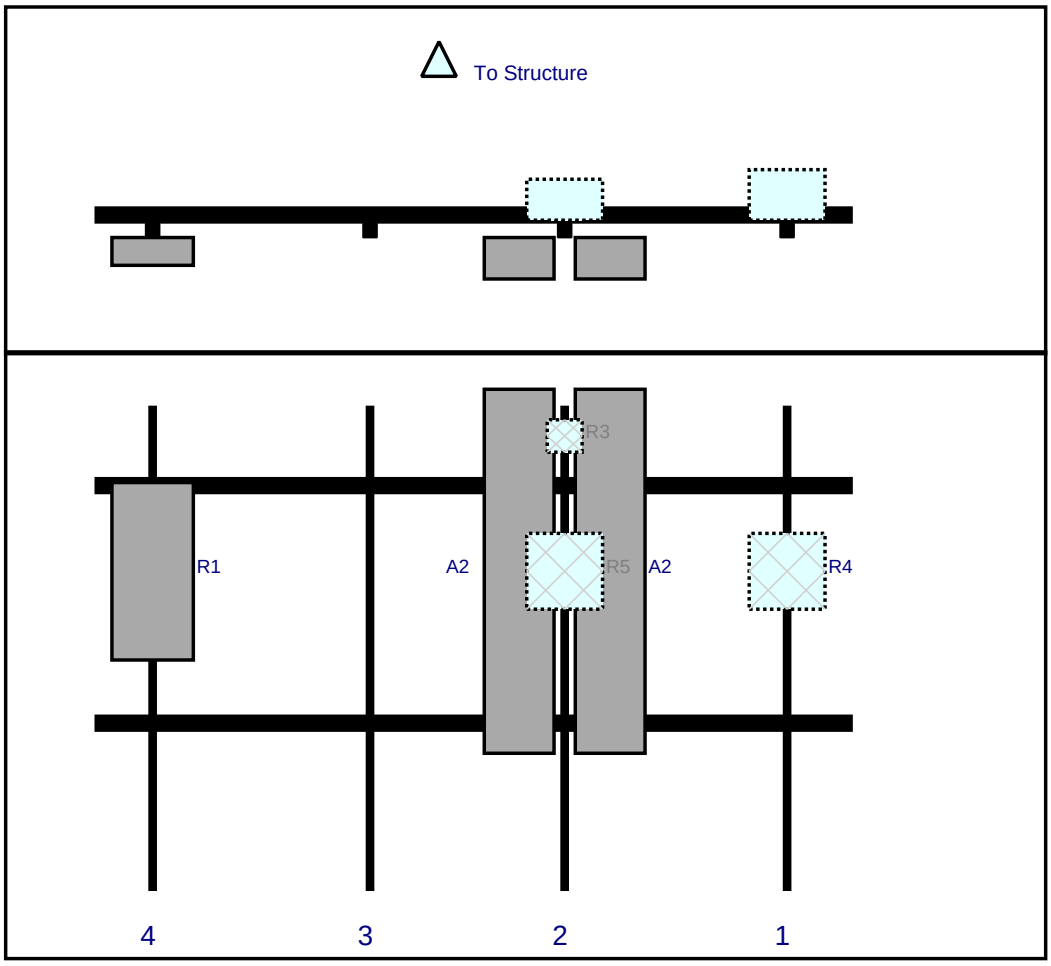
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R4	B2/B66A RRH-BR049	15	15	137	1	a	Behind	32.76	0	Added	
A2	JAHH-65B-R3B	72	13.8	93	2	a	Front	32.76	9	Retained	04/02/2021
A2	JAHH-65B-R3B	72	13.8	93	2	b	Front	32.76	-9	Retained	04/02/2021
R3	CBC78T-DS-43-2X	6.4	6.9	93	2	a	Behind	6	0	Added	
R5	B5/B13 RRH-BR04C	15	15	93	2	a	Behind	32.76	0	Added	
R1	MT6407-77A	35.1	16.1	11.5	4	a	Front	32.76	0	Added	

Plan View

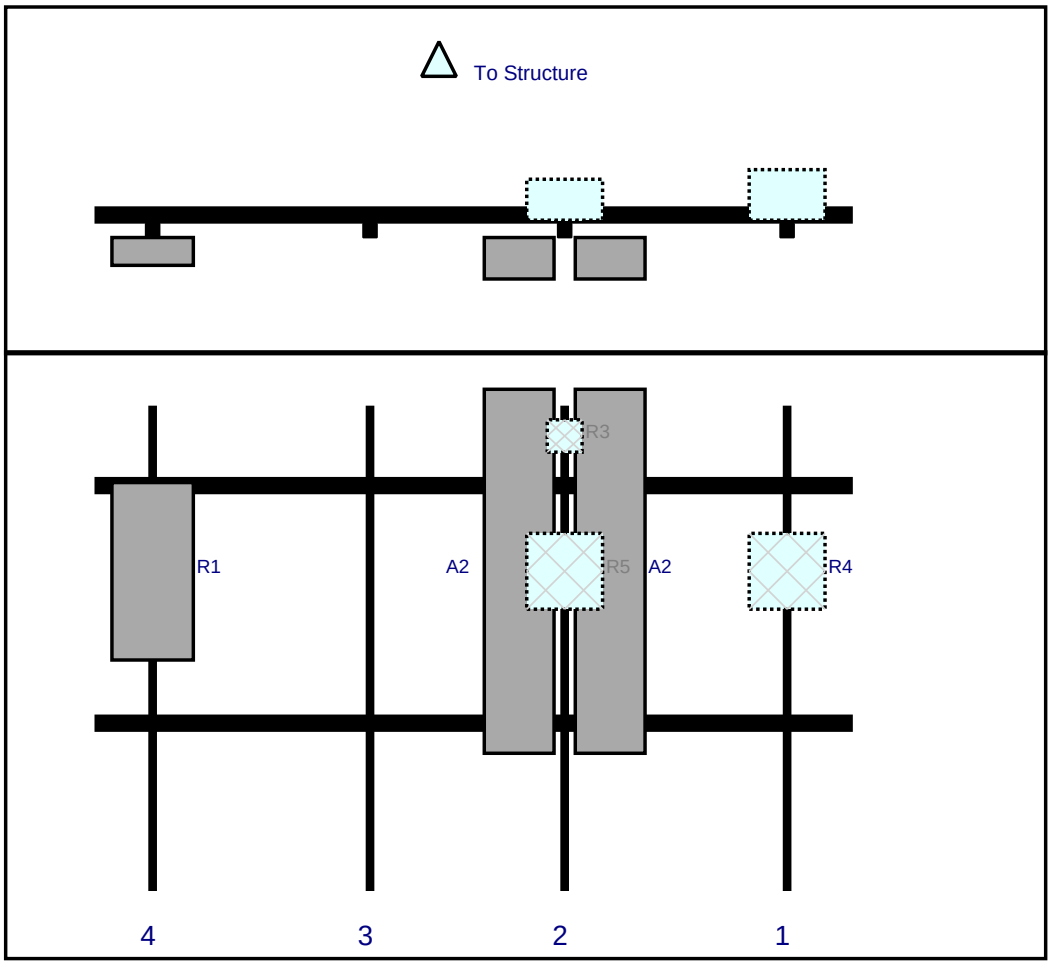
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R4	B2/B66A RRH-BR049	15	15	137	1	a	Behind	32.76	0	Added	
A2	JAHH-65B-R3B	72	13.8	93	2	a	Front	32.76	9	Retained	04/02/2021
A2	JAHH-65B-R3B	72	13.8	93	2	b	Front	32.76	-9	Retained	04/02/2021
R3	CBC78T-DS-43-2X	6.4	6.9	93	2	a	Behind	6	0	Added	
R5	B5/B13 RRH-BR04C	15	15	93	2	a	Behind	32.76	0	Added	
R1	MT6407-77A	35.1	16.1	11.5	4	a	Front	32.76	0	Added	

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R4	B2/B66A RRH-BR049	15	15	137	1	a	Behind	32.76	0	Added	
A2	JAHH-65B-R3B	72	13.8	93	2	a	Front	32.76	9	Retained	04/02/2021
A2	JAHH-65B-R3B	72	13.8	93	2	b	Front	32.76	-9	Retained	04/02/2021
R3	CBC78T-DS-43-2X	6.4	6.9	93	2	a	Behind	6	0	Added	
R5	B5/B13 RRH-BR04C	15	15	93	2	a	Behind	32.76	0	Added	
R1	MT6407-77A	35.1	16.1	11.5	4	a	Front	32.76	0	Added	

Maser Consulting Connecticut

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

FUZE ID # 16272135

To Whom It May Concern,

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

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

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

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

Sincerely,

Derek Hartzell, PE
Technical Specialist

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

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

Total Percentage of Maximum Permissible Exposure 13.55%

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

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

Absolute worst case maximum values used.

655 Bassett

Search Results

Parcel Details

GUSTAFSON FRANK E (EST) ET AL

655 BASSETT RD
WATERTOWN, CT 67951139

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

Links | Abutters

Record Card
Photo
Google Map
Abutter Distance:

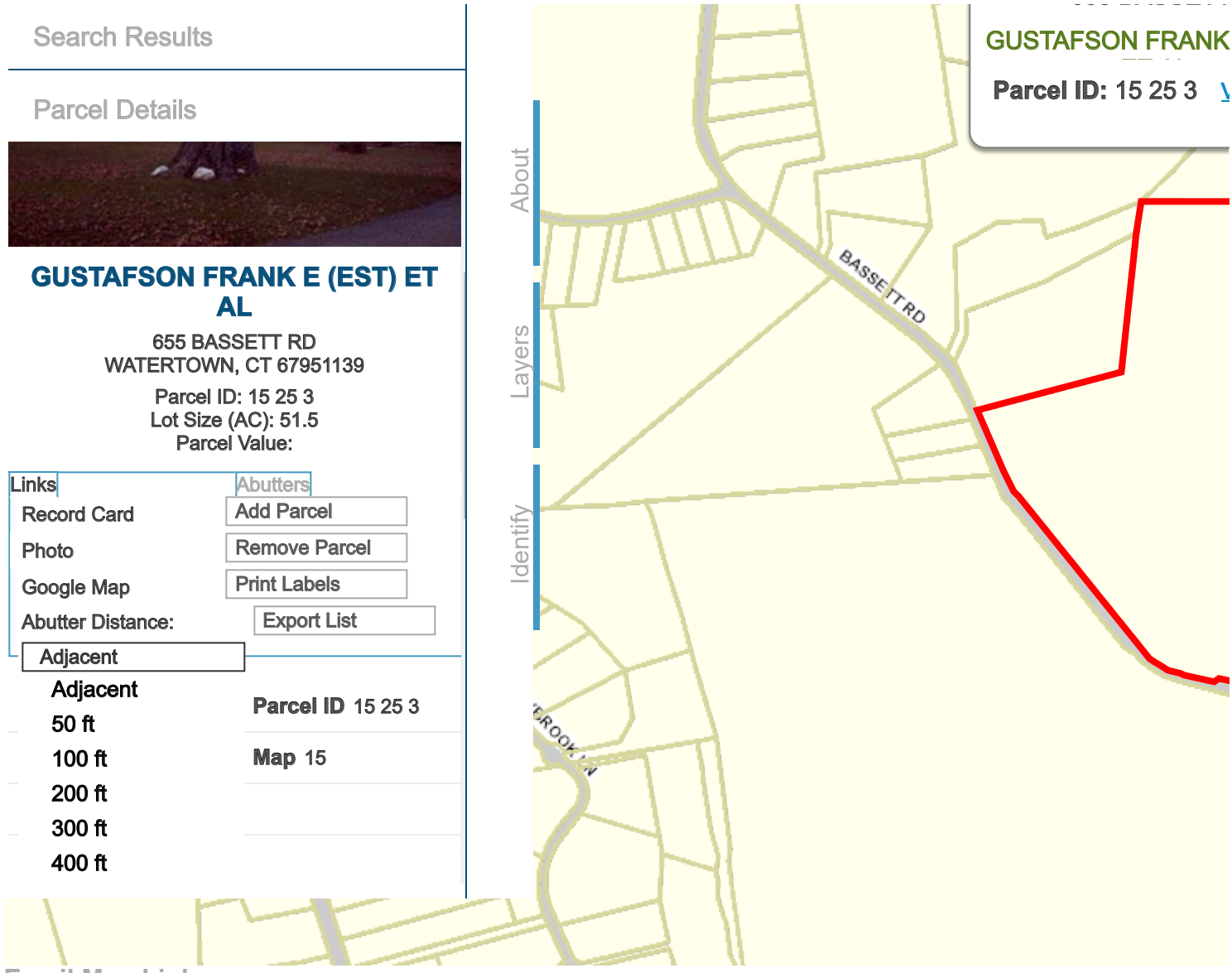
Add Parcel
Remove Parcel
Print Labels
Export List

Adjacent

Adjacent
50 ft
100 ft
200 ft
300 ft
400 ft

Parcel ID 15 25 3

Map 15



Email Map Link

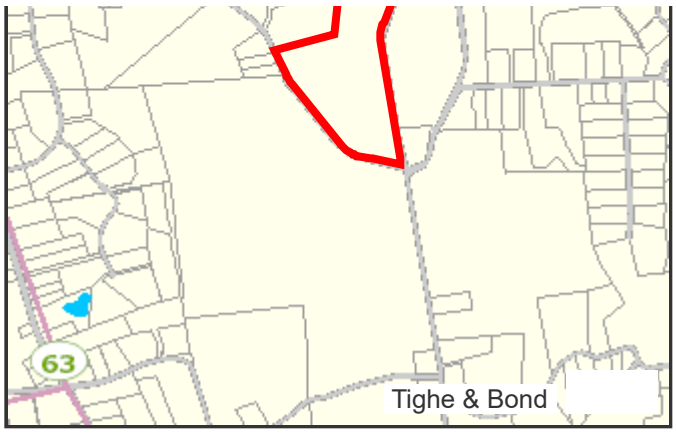
Copy and paste the following string into an email to link to the current map view:

0.2km
1000ft

Close

Print Map

Tighe&Bond



Scale: 1" = 1000 ft.

Close Print

lat:41.6523, long:-73.1469

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

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

Parcel Information

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

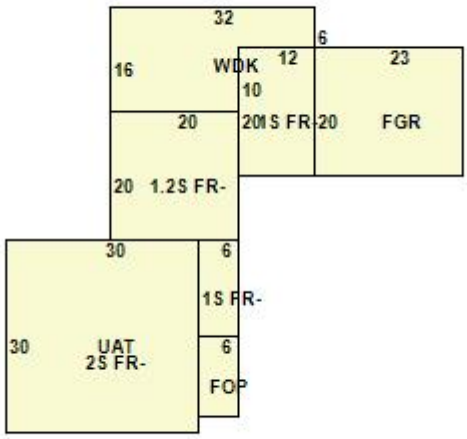
Value Information

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

Owner's Information

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

Building 1



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

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

Special Features

Fireplace FPL	1
Generator	1
Unfinished Basement	990

Attached Components

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

Detached Outbuildings

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

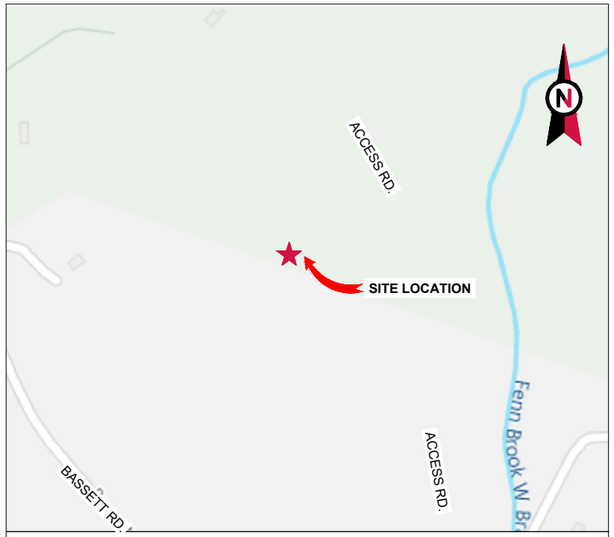
Owner History - Sales

Owner Name	Volume	Page	Sale Date	Deed Type	Sale Price

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

Building Permits

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



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: WATERTOWN CT
ATC SITE NUMBER: 283424
VERIZON SITE NAME: WATERTOWN NE CT
VERIZON SITE NUMBER:470386
SITE ADDRESS: 655 BASSETT RD.
WATERTOWN, CT 06795

LOCATION MAP

VERIZON
5G L-SUB6 - CARRIER ADD DRAWINGS

COMPLIANCE CODE

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

1. 2018 CONNECTICUT STATE BUILDING CODE-AMENDMENTS TO IBC 2015
2. INTERNATIONAL BUILDING CODE 2015, INTERNATIONAL CODE COUNCIL
3. TIA-222-G-4, STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS
4. ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS
5. STEEL CONSTRUCTION MANUAL 14TH EDITION, AMERICAN INSTITUTE OF STEEL CONSTRUCTION
6. CITY/COUNTY ORDINANCES

UTILITY COMPANIES

POWER COMPANY: N/A
PHONE: N/A
TELEPHONE COMPANY: N/A
PHONE: N/A

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

PROJECT SUMMARY

SITE ADDRESS:

655 BASSETT RD.

WATERTOWN, CT 06795

COUNTY: SUFFOLK

GEOGRAPHIC COORDINATES:

LATITUDE: 41.65707

LONGITUDE: -73.13626

GROUND ELEVATION: 833' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS
118 FLANDERS ROAD
WESTBOROUGH, MA 01581

ENGINEER:

DEWBERRY ENGINEERS, INC.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110

PROPERTY OWNER:

GUSTAFSON FRANK E (EST) ET AL
655 BASSETT RD
WATERTOWN, CT 67951139

PROJECT DESCRIPTION

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

REMOVE (3) RRH(s) (1) HYBRID CABLE, AND (1) OVP BOX

INSTALL (3) ANTENNA(s), (3) DIPLEXER(s), (9) RRH(s), (1) OVP BOX, AND (2) HYBRID CABLE(s)

EXISTING (6) ANTENNA(s) TO REMAIN

PROJECT NOTES

1. THE FACILITY IS UNMANNED.
2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.
3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.
4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.
5. HANDICAP ACCESS IS NOT REQUIRED.

PROJECT LOCATION DIRECTIONS

FROM DOWNTOWN WATERBURY START OUT GOING WEST ON E MAIN ST TOWARD MAPLE ST. TURN RIGHT ONTO RIVERSIDE ST. MERGE ONTO CT-8 N/JAMES H DARCEY MEMORIAL HWY N TOWARD WATERTOWN / TORRINGTON. TAKE THE CT-262 EXIT, EXIT 37, TOWARD WATERTOWN. TURN LEFT ONTO FROST BRIDGE RD/CT-262. CONTINUE TO FOLLOW CT-262. TURN RIGHT ONTO BUCKINGHAM ST/CT-262. BUCKINGHAM ST/CT-262 BECOMES FERN HILL RD. FERN HILL RD BECOMES SMITH POND RD. TURN RIGHT ONTO LINKFIELD RD 999 LINKFIELD RD IS ON THE LEFT.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	06/15/21	EA
G-002	GENERAL NOTES	0	06/15/21	EA
C-101	DETAILED SITE PLAN	0	06/15/21	EA
C-201	TOWER ELEVATION	0	06/15/21	EA
C-401	ANTENNA INFORMATION & SCHEDULE	0	06/15/21	EA
C-501	CONSTRUCTION DETAILS	0	06/15/21	EA
E-501	GROUNDING DETAILS	0	06/15/21	EA
R-601	SUPPLEMENTAL			
R-602	SUPPLEMENTAL			

AMERICAN TOWER®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	PMG	05/14/21
0	FINAL	EA	06/15/21

283424

ATC SITE NAME:
WATERTOWN CT

VERIZON SITE NAME:
WATERTOWN NE CT

SITE ADDRESS:
655 BASSETT RD.
WATERTOWN, CT 06795

verizon

DATE DRAWN:	05/14/21
ATC JOB NO:	13668995
CUSTOMER ID:	WATERTOWN NE CT
CUSTOMER #:	470386

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®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	PMG	05/14/21
0	FINAL	EA	06/15/21

283424

ATC SITE NAME:
WATERTOWN CT

VERIZON SITE NAME:
WATERTOWN NE CT

SITE ADDRESS:
655 BASSETT RD.
WATERTOWN, CT 06795

verizon

DATE DRAWN:	05/14/21
ATC JOB NO:	13668995
CUSTOMER ID:	WATERTOWN NE CT
CUSTOMER #:	470386

GENERAL NOTES

SHEET NUMBER: G-002

REVISION: 0

SITE PLAN NOTES:

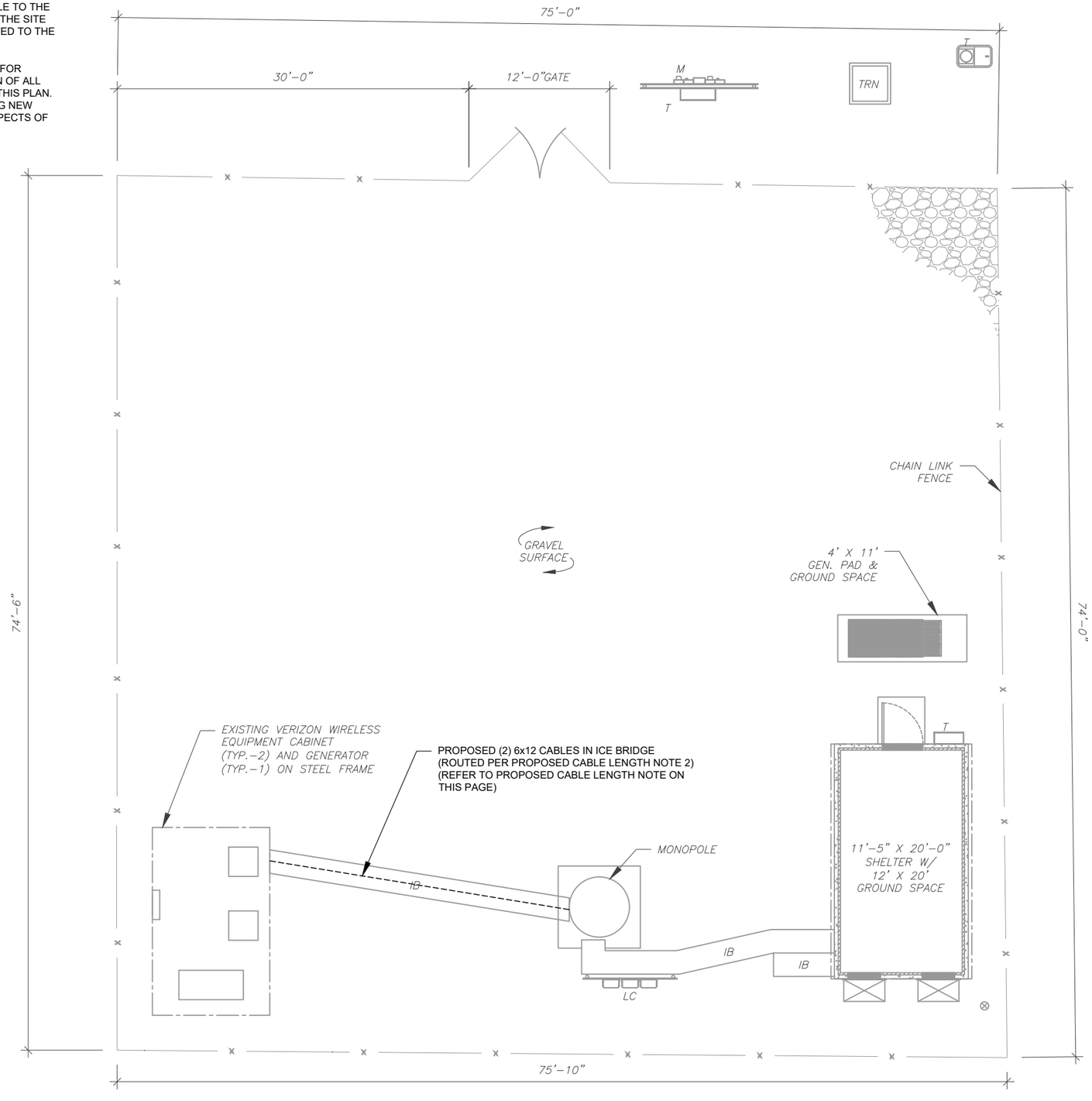
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE 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. NO ELECTRICAL SCOPE IS INCLUDED IN THIS PROJECT.

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

PROPOSED CABLE LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **163'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).



1 DETAILED SITE PLAN

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 UNIT = 10 FEET

N

AMERICAN TOWER®

Dewberry®

Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	PMG	05/14/21
0	FINAL	EA	06/15/21

283424

ATC SITE NAME:
WATERTOWN CT

VERIZON SITE NAME:
WATERTOWN NE CT

SITE ADDRESS:
655 BASSETT RD.
WATERTOWN, CT 06795

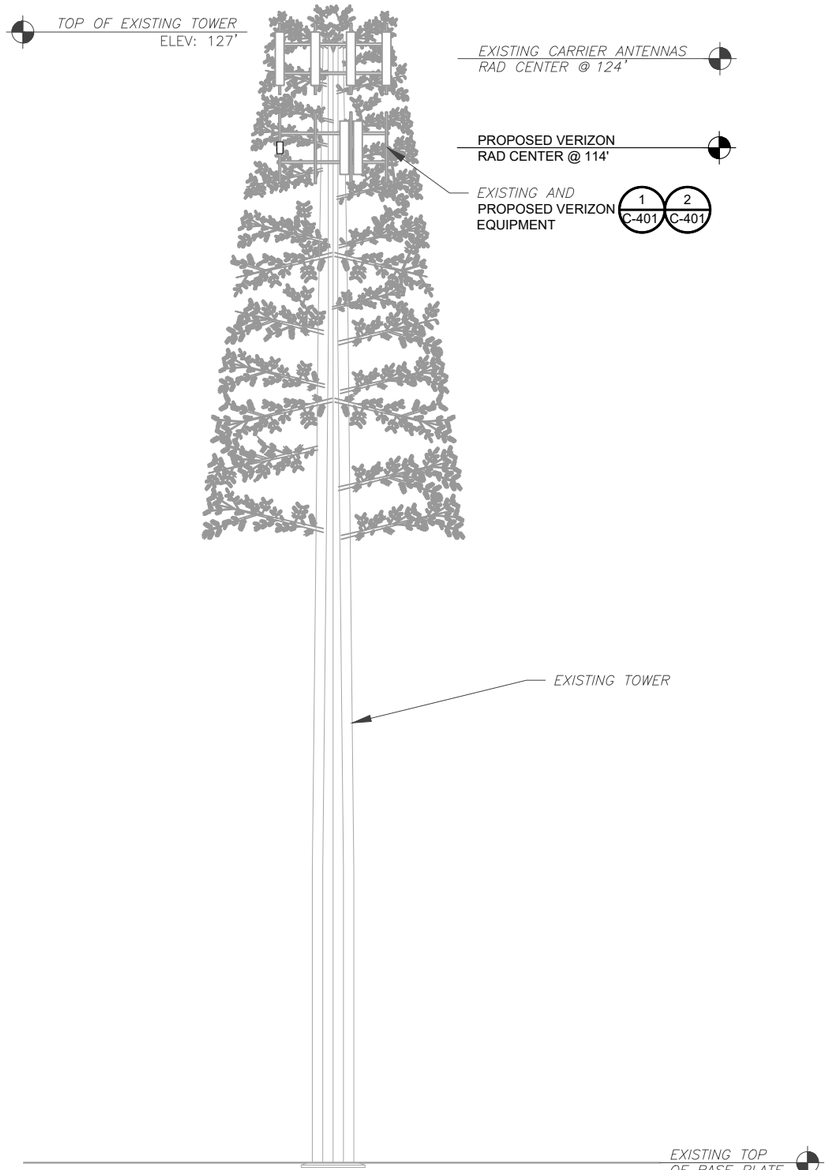
verizon

DATE DRAWN:	05/14/21
ATC JOB NO:	13668995
CUSTOMER ID:	WATERTOWN NE CT
CUSTOMER #:	470386

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING, DATED 05/19/21, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.



1 TOWER ELEVATION
SCALE: N.T.S.

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®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	PMG	05/14/21
0	FINAL	EA	06/15/21

283424

ATC SITE NAME:
WATERTOWN CT

VERIZON SITE NAME:
WATERTOWN NE CT

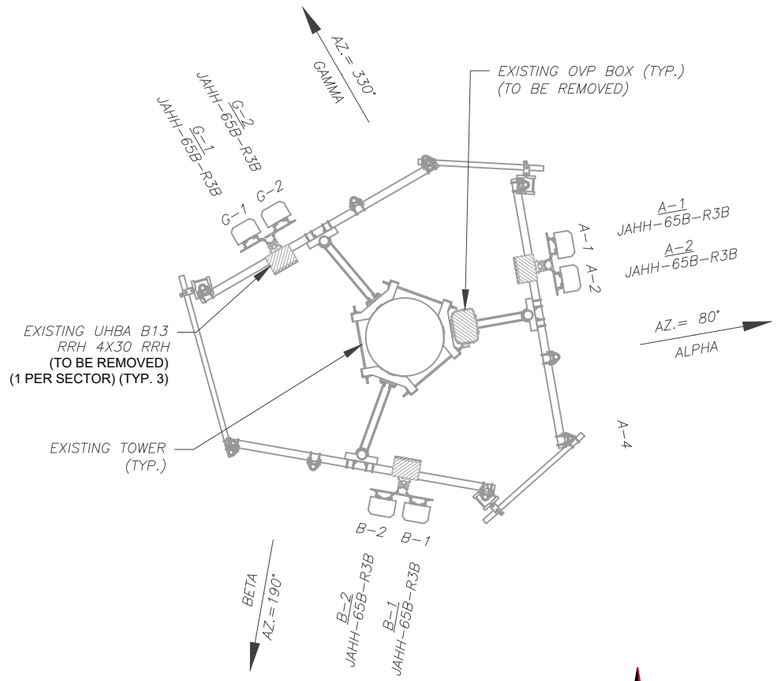
SITE ADDRESS:
655 BASSETT RD.
WATERTOWN, CT 06795

verizon

DATE DRAWN:	05/14/21
ATC JOB NO:	13668995
CUSTOMER ID:	WATERTOWN NE CT
CUSTOMER #:	470386

TOWER ELEVATION

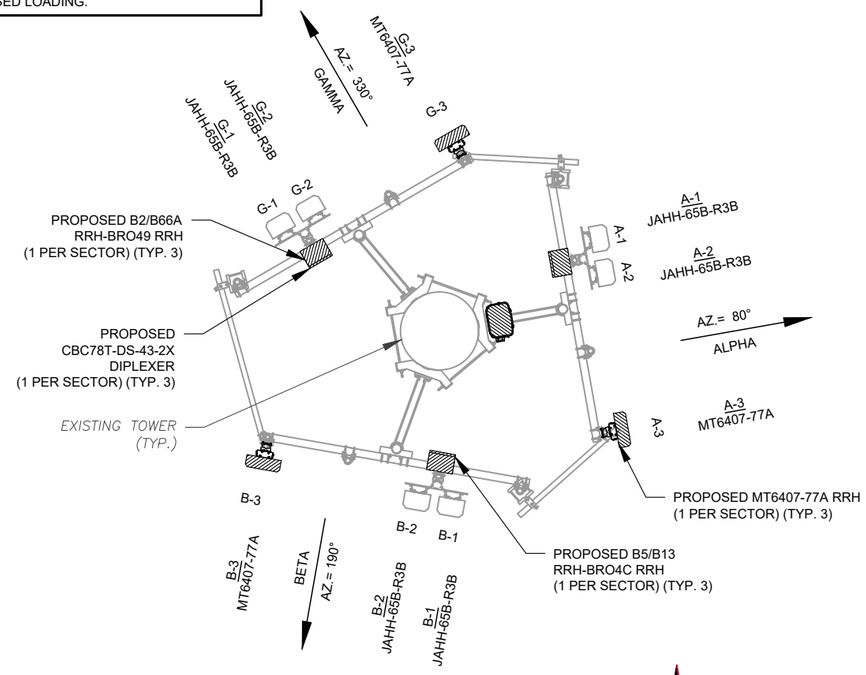
SHEET NUMBER:	REVISION:
C-201	0



1 EXISTING ANTENNA PLAN

SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING, DATED 05/19/21, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.



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	114'	80°	A1	JAHH-65B-R3B	700/850/1900/ AWS	0/5	RMN	UHBA B13 RRH 4X30	RMV
ALPHA	114'	80°	A2	JAHH-65B-R3B	700/850/1900/ AWS	0/5	RMN	UHBA B13 RRH 4X30	RMV
BETA	114'	190°	B1	JAHH-65B-R3B	700/850/1900/ AWS	0/4	RMN	UHBA B13 RRH 4X30	RMV
BETA	114'	190°	B2	JAHH-65B-R3B	700/850/1900/ AWS	0/4	RMN	UHBA B13 RRH 4X30	RMV
GAMMA	114'	330°	G1	JAHH-65B-R3B	700/850/1900/ AWS	0/6	RMN	UHBA B13 RRH 4X30	RMV
GAMMA	114'	330°	G2	JAHH-65B-R3B	700/850/1900/ AWS	0/6	RMN	UHBA B13 RRH 4X30	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 RRH: 15'
RRH TO ANTENNA: 10'

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	114'	80°	A1	JAHH-65B-R3B	700/850/1900/AWS	0/5	RMN	CBC78T-DS-43-2X	ADD
								B2/B664 RRH-BR049	ADD
			A2	JAHH-65B-R3B	700/850/1900/AWS	0/5	RMN	B5/B13 RRH-BR04C	ADD
			A3	MT6407-77A	L-SUB6	0/6	ADD	-	-
BETA	114'	190°	B1	JAHH-65B-R3B	700/850/1900/AWS	0/4	RMN	CBC78T-DS-43-2X	ADD
								B2/B664 RRH-BR049	ADD
			B2	JAHH-65B-R3B	700/850/1900/AWS	0/4	RMN	B5/B13 RRH-BR04C	ADD
			B3	MT6407-77A	L-SUB6	0/6	ADD	-	-
GAMMA	114'	330°	G1	JAHH-65B-R3B	700/850/1900/AWS	0/6	RMN	CBC78T-DS-43-2X	ADD
								B2/B664 RRH-BR049	ADD
			G2	JAHH-65B-R3B	700/850/1900/AWS	0/6	RMN	B5/B13 RRH-BR04C	ADD
			G3	MT6407-77A	L-SUB6	0/6	ADD	-	-

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(1) OVP BOX	RMV	–	–	RMV

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(1) RCMDC-6627-PF-48	ADD	-	(2) 6X12	ADD

3 EQUIPMENT SCHEDULES

AMERICAN TOWER®

Dewberry®

Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	PMG	05/14/21
0	FINAL	EA	06/15/21

283424

ATC SITE NAME:
WATERTOWN CT

VERIZON SITE NAME:
WATERTOWN NE CT

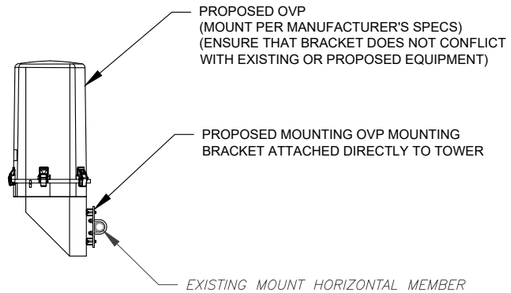
SITE ADDRESS:
655 BASSETT RD.
WATERTOWN, CT 06795

verizon

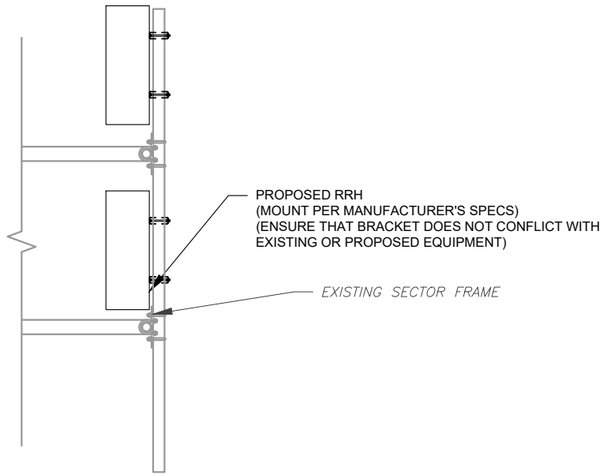
DATE DRAWN:	05/14/21
ATC JOB NO:	13668995
CUSTOMER ID:	WATERTOWN NE CT
CUSTOMER #:	470386

ANTENNA INFORMATION & SCHEDULE

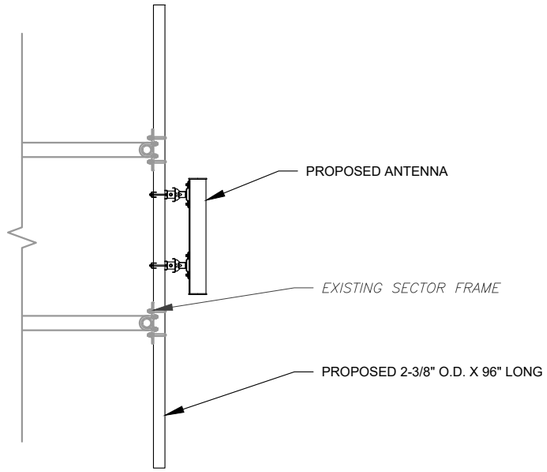
SHEET NUMBER:	REVISION:
C-401	0



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



2 PROPOSED RRH MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



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

AMERICAN TOWER®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	PMG	05/14/21
0	FINAL	EA	06/15/21

283424

ATC SITE NAME:
WATERTOWN CT

VERIZON SITE NAME:
WATERTOWN NE CT

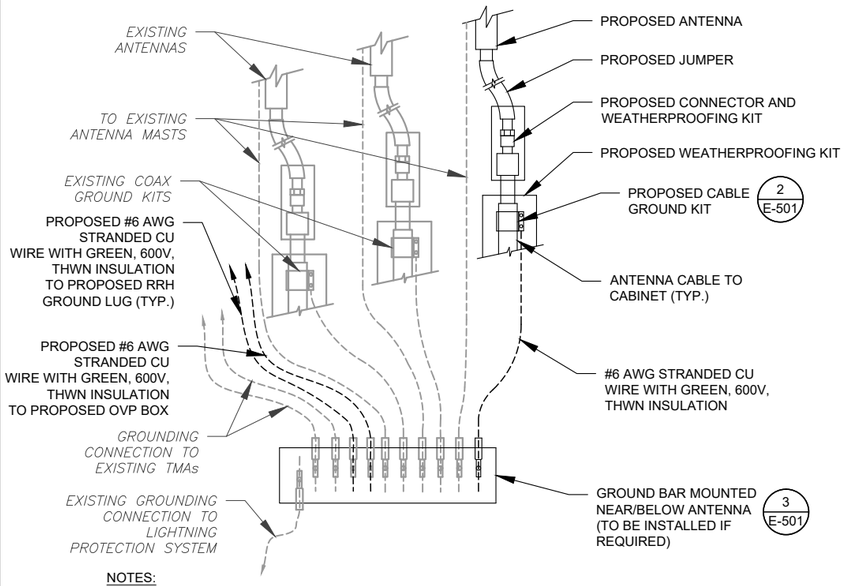
SITE ADDRESS:
655 BASSETT RD.
WATERTOWN, CT 06795

verizon

DATE DRAWN:	05/14/21
ATC JOB NO:	13668995
CUSTOMER ID:	WATERTOWN NE CT
CUSTOMER #:	470386

CONSTRUCTION
DETAILS

SHEET NUMBER:	REVISION:
C-501	0

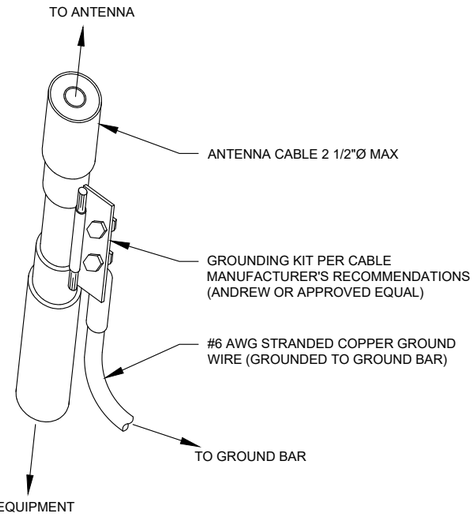


NOTES:

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.

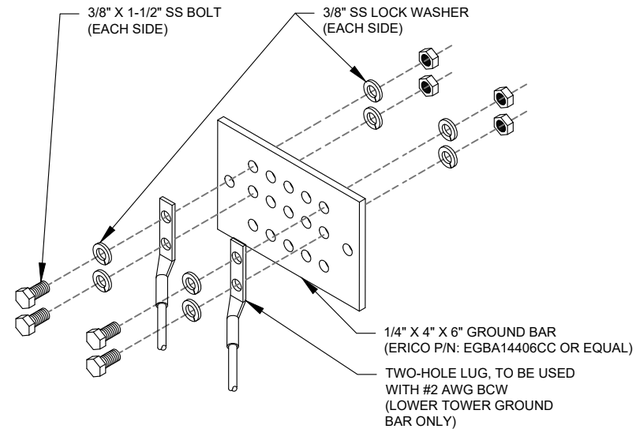


GROUND KIT NOTES:

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®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	PMG	05/14/21
0	FINAL	EA	06/15/21

283424

ATC SITE NAME:
WATERTOWN CT

VERIZON SITE NAME:
WATERTOWN NE CT

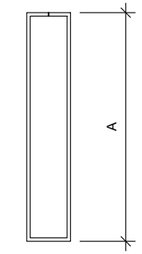
SITE ADDRESS:
655 BASSETT RD.
WATERTOWN, CT 06795

verizon

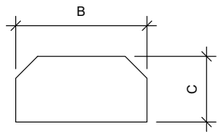
DATE DRAWN:	05/14/21
ATC JOB NO:	13668995
CUSTOMER ID:	WATERTOWN NE CT
CUSTOMER #:	470386

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0



FRONT VIEW

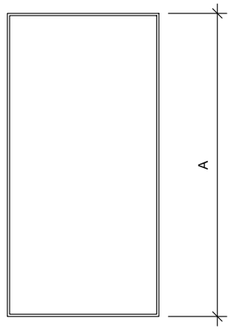


TOP VIEW

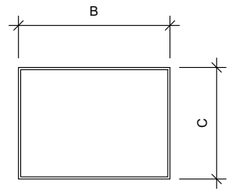
1 ANTENNA SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
MT6407-77A	35.1"	16.1"	5.5"	81.6



FRONT VIEW



TOP VIEW

2 RRH SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

RRH SPECIFICATIONS				
RRH MODEL	A	B	C	WEIGHT (LBS)
B2/B66A RRH-BR049	15.0"	15.0"	10.0"	84.4
B5/B13 RRH-BR04C	15.0"	15.0"	8.1"	70.3

AMERICAN TOWER®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

283424

ATC SITE NAME:
WATERTOWN CT

VERIZON SITE NAME:
WATERTOWN NE CT

SITE ADDRESS:
655 BASSETT RD.
WATERTOWN, CT 06795

verizon

DATE DRAWN:	05/14/21
ATC JOB NO:	13668995
CUSTOMER ID:	WATERTOWN NE CT
CUSTOMER #:	470386

SUPPLEMENTAL

SHEET NUMBER:
R-601

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

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

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

May 19, 2021

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

FUZE ID # 16272135

Analysis Results

T-Arm: **63.3% Pass**

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

Report Prepared By: Abigail Enriquez

STATE OF CONNECTICUT · DEREK R. HARTZELL · 32710 · LICENSED PROFESSIONAL ENGINEER

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

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Tiebacks	*16.5%*	*Pass*
Kickers	*9.4%*	*Pass*
Support Rail	*34.5%*	*Pass*
Antenna Pipe	*63.3%*	*Pass*
Horizontal	*56.4%*	*Pass*
Standoff Pipe	*0.0%*	*Pass*
Standoff Arm	*28.9%*	*Pass*
Connection Check - Mount	*36.7%*	*Pass*
Connection Check - Kickers	*14.3%*	*Pass*
Structure Rating – *(Controlling Utilization of all Components)*		**63.3%**

Recommendation:

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

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

Attachments:

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

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

1 MOUNT ANALYSIS

AMERICAN TOWER®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

283424

ATC SITE NAME:
WATERTOWN CT

VERIZON SITE NAME:
WATERTOWN NE CT

SITE ADDRESS:
655 BASSETT RD.
WATERTOWN, CT 06795

DATE DRAWN:	05/14/21
ATC JOB NO:	13668995
CUSTOMER ID:	WATERTOWN NE CT
CUSTOMER #:	470386

SUPPLEMENTAL

SHEET NUMBER:
R-602