Centerline Communications LLC

027476

Naugatuck West CS
Asset # 28349
Branford Pine Orchard

CONNECTICUT SITING COUNCIL

Check: 27476
Date: 7/1/2021
Vendor: 0

Invoice	P.O. Num.	Invoice Amt	Prior Balance	Retention	Discount	Amt. Paid
531379-004		625.00	625.00	0.00	0.00	625.00
ATC - Verizon-13668761						
		625.00	625.00	0.00	0.00	625.00

027476

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

ROCKLAND TRUST COMPANY
MEDFIELD, MA 02052

53-447/113

27476

DATE 7/1/2021

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

PAY TO THE ORDER OF CONNECTICUT SITING COUNCIL

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

VOID AFTER 90 DAYS

AUTHORIZED SIGNATURE

Security features. Details on back

⑈027476⑈ ⑆ ⑆ ⑈

Centerline Communications LLC

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CONNECTICUT SITING COUNCIL

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		625.00	625.00	0.00	0.00	625.00

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

July 28, 2021

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

RE: Notice of Exempt Modification // Site: BRANFORD WEST CT (ATC: 283419)
123 Pine Orchard Road, Branford, CT 06405
N 41.274861 // W 72.793078

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless currently maintains 6 antennas at the 102 -foot mount on the existing 126-foot monopole tower, located at 123 Pine Orchard Road, Branford, CT. The tower is owned by American Tower. The property is owned by Malavasi Investments, LLC. Verizon Wireless facility was approved for colocation by the Council in 2012. Verizon Wireless now intends remove 6 of its existing antennas to replace with 9 new ones and install them for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless will remove 3 existing Antenna mounts and replace them with 3 dual mounts, replace all remote radio head units (RRUs) with a total of 6 new RRUs, and remove 12 spare 1-5/8" Cox cables and install 3 diplexers; 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 James Cosgrove, First Selectmen for the Town of Branford, its Town Planner, Harry Smith, American Tower, the tower owner, and to the ground owner, Malavasi Investments, LLC.

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 28, 2021 by Dewberry Engineers, Inc., a structural analysis dated July 6, 2021 by A.T. Engineering Service, PLLC, and a structural mount analysis by Maser Consulting

dated May 4, 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 analyses by A.T. Engineering Service, PLLC, dated July 6, 2021 and structural mount analyses by Maser Consulting, dated May 4, 2021 pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final mount and handrail reinforcement modification and construction drawings dated signed and stamped June 28, 2021.

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

Sincerely,

MJ Umali

_____

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

Attachments

cc: James Cosgrove – as First Selectmen for the Town of Branford
Harry Smith - as Town Planner
American Tower Corporation - as tower owner
Malavasi Investments, LLC - as property owner

UPS CampusShip: View/Print Label

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

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

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   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.
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NORTH EASTON ,MA 02356

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450 E CENTER ST
WEST BRIDGEWATER ,MA 02379

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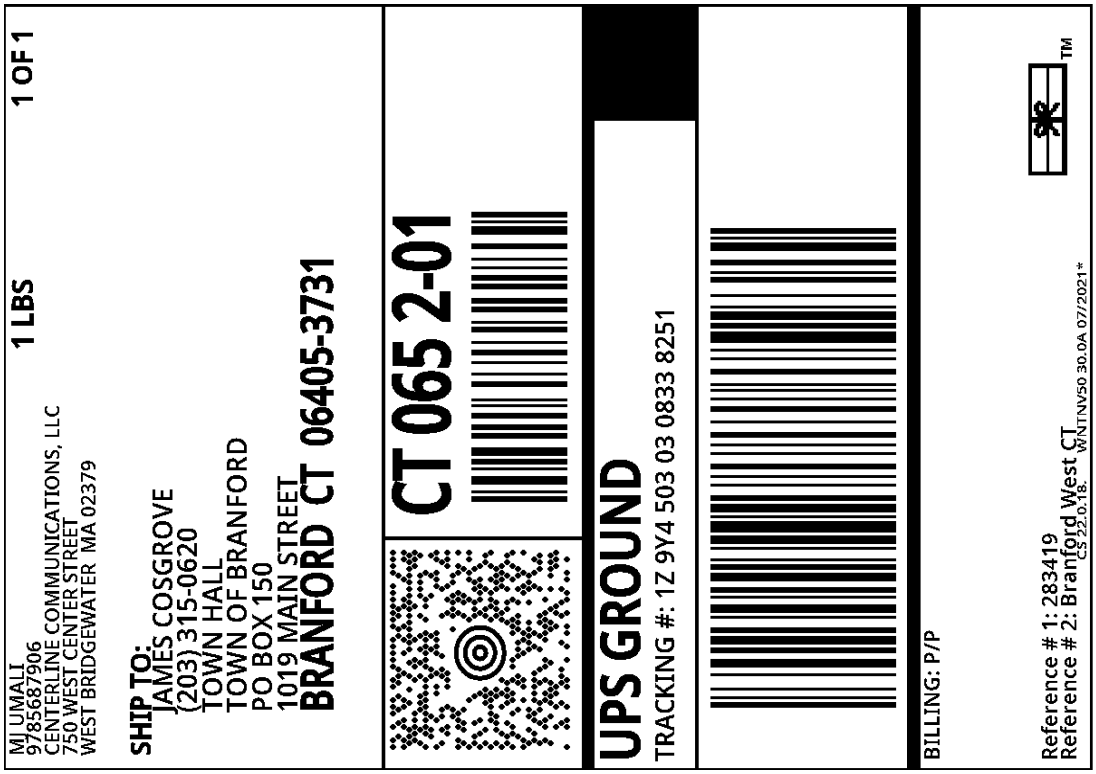

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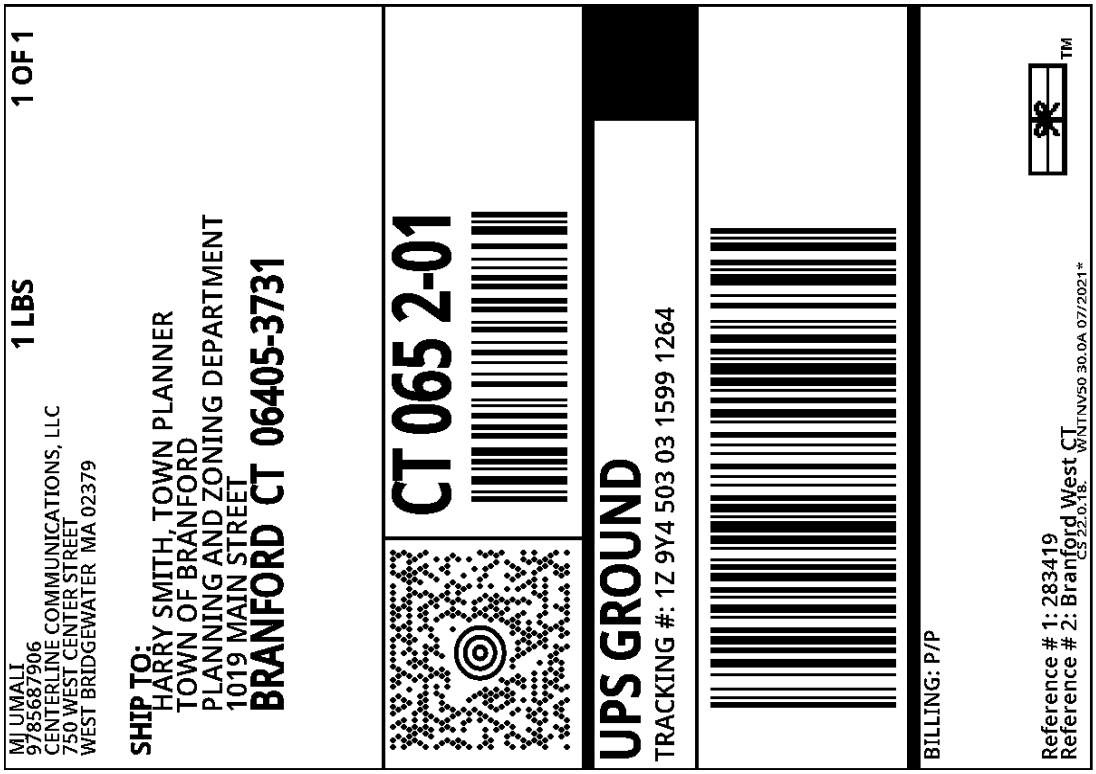

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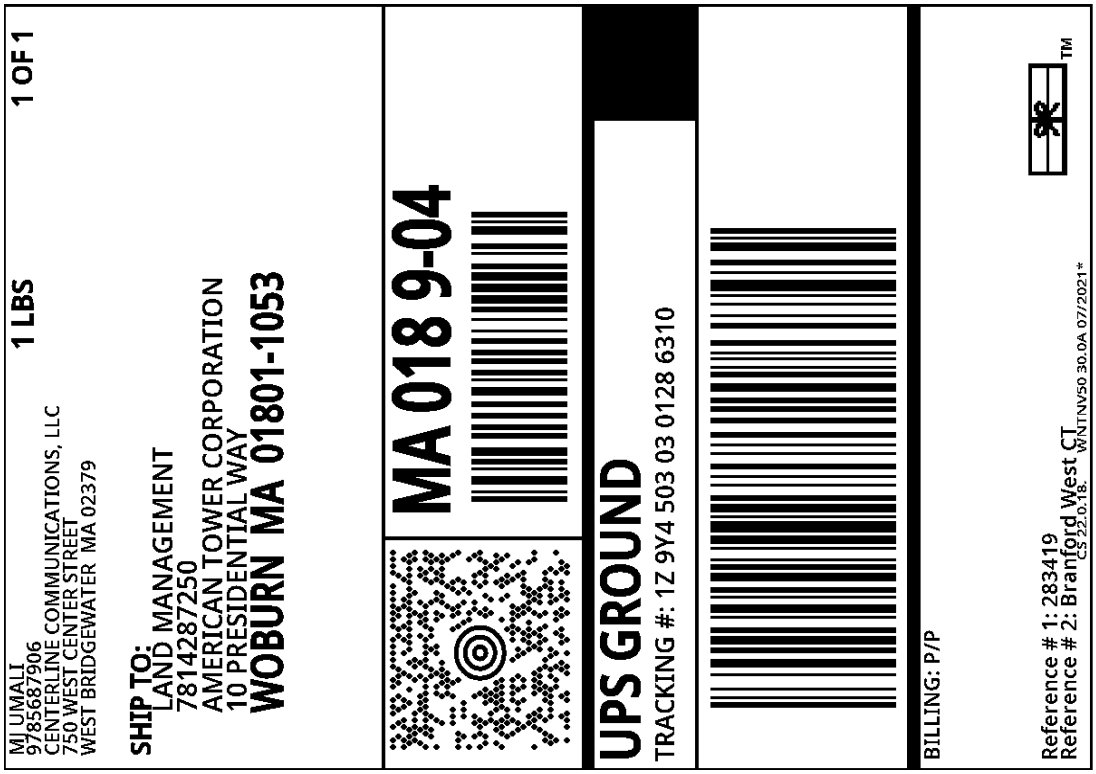

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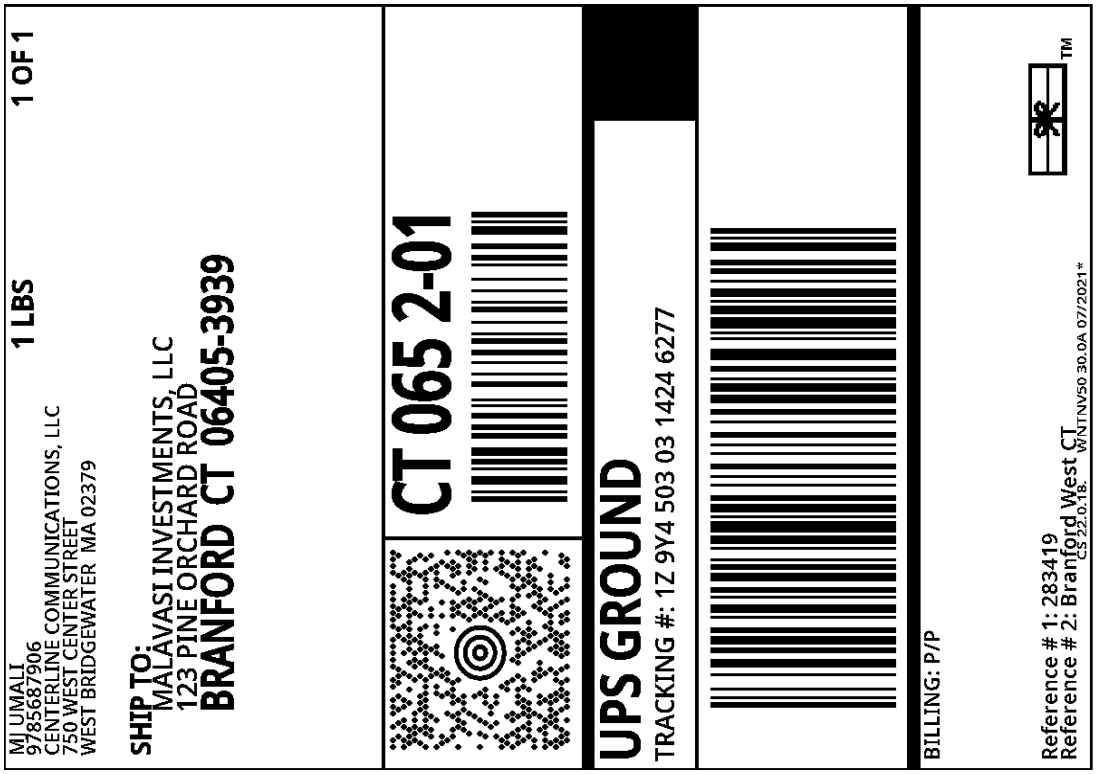

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Structural Analysis Report

Structure	:	**123 ft Monopole**
ATC Site Name	:	**PINE ORCHARD BRANFORD CT, CT**
ATC Asset Number	:	**283419**
Engineering Number	:	**13668761_C3_04**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**BRANFORD WEST CT**
Carrier Site Number	:	**467164**
Site Location	:	**123 Pine Orchard Road** **Branford, CT 06405-3939** **41.274900,-72.793100**
County	:	**New Haven**
Date	:	**July 6, 2021**
Max Usage	:	**56%**
Result	:	**Pass**

Prepared By:
Jennifer Yu
Structural Engineer I

Reviewed By:

Authorized by "EOR"
06 Jul 2021 04:41:04 cosign

COA: PEC.0001553

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Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 123 ft monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	Sabre Job #11-05276, dated June 2, 2010
Foundation Drawing	Sabre Job #11-05276, dated June 2, 2010
Geotechnical Report	Terracon Project #J2105131, dated April 2, 2010

Analysis

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

Basic Wind Speed:	122 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 = 0.20, S_1 = 0.05
Site Class:	D - Stiff Soil

Conclusion

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

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

Existing and Reserved Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
122.0	3	Ericsson AIR 21, 1.3M, B4A B2P	T-Arm	(4) 1 5/8" (1.63"-41.3mm) Fiber (12) 1 5/8" Coax	T-MOBILE
	3	Ericsson AIR 21, 1.3 M, B2A B4P			
120.0	3	Ericsson KRY 112 144/1			
	3	RFS APXVAARR24_43-U-NA20			
	3	Ericsson Radio 4449 B12,B71			
112.0	3	Ericsson RRUS 11 (Band 12)	T-Arm	(2) 0.40" (10.3mm) Fiber (4) 0.78" (19.7mm) 8 AWG 6 (6) 1 5/8" Coax (1) 2" conduit	AT&T MOBILITY
	3	Powerwave Allgon P90-15-XLH-RR			
	3	CCI DMP65R-BU6DA			
	3	Commscope SBNHH-1D65A			
	3	Ericsson RRUS 32 B2			
	1	Raycap DC6-48-60-18-8C			
	3	Ericsson RRUS 4449 B5, B12			
	1	Raycap DC6-48-60-18-8F			
	3	Powerwave Allgon TT19-08BP111-001			
	3	Ericsson RRUS 4478 B14			
102.0	4	Antel LPA-80063/6CF	T-Arm	(2) 1 5/8" (1.63"-41.3mm) Fiber (6) 1 5/8" Coax	VERIZON WIRELESS
	2	Swedcom SC-E 6016 REV2			
80.0	1	Commscope RDIDC-9181-PF-48	Triangular Platform with Handrails	(1) 1.60" (40.6mm) Hybrid	DISH WIRELESS L.L.C.
	3	Fujitsu TA08025-B605			
	3	Fujitsu TA08025-B604			
	3	JMA Wireless MX08FRO665-21			

Equipment to be Removed

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
102.0	3	Alcatel-Lucent RRH2x60 700	-	(6) 1 5/8" Coax	VERIZON WIRELESS
	6	Andrew SBNHH-1D65B			
	2	Raycap RC2DC-3315-PF-48			
	3	Alcatel-Lucent B66 RRH4x45			

Proposed Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
102.0	3	Commscope CBC78T-DS-43-2X	T-Arm	-	VERIZON WIRELESS
	3	Samsung B2/B66A RRH-BR049			
	3	Samsung B5/B13 RRH-BR04C			
	1	Raycap RCMDC-6627-PF-48			
	3	Samsung MT6407-77A			
	6	Commscope JAHH-65B-R3B			

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

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	52%	Pass
Shaft	56%	Pass
Base Plate	44%	Pass

Foundations

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	3,210.8	4,334.6	2,343.3	54%
Shear (Kips)	36.1	48.7	26.8	55%
* The design reactions are factored by 1.35 per ANSI/TIA-222-H, Sec. 15.6.2				

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

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
102.0	Commscope CBC78T-DS-43-2X	VERIZON WIRELESS	0.705	0.794
	Samsung B2/B66A RRH-BR049			
	Samsung B5/B13 RRH-BR04C			
	Raycap RCMDC-6627-PF-48			
	Samsung MT6407-77A			
	Commscope JAHH-65B-R3B			

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

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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:

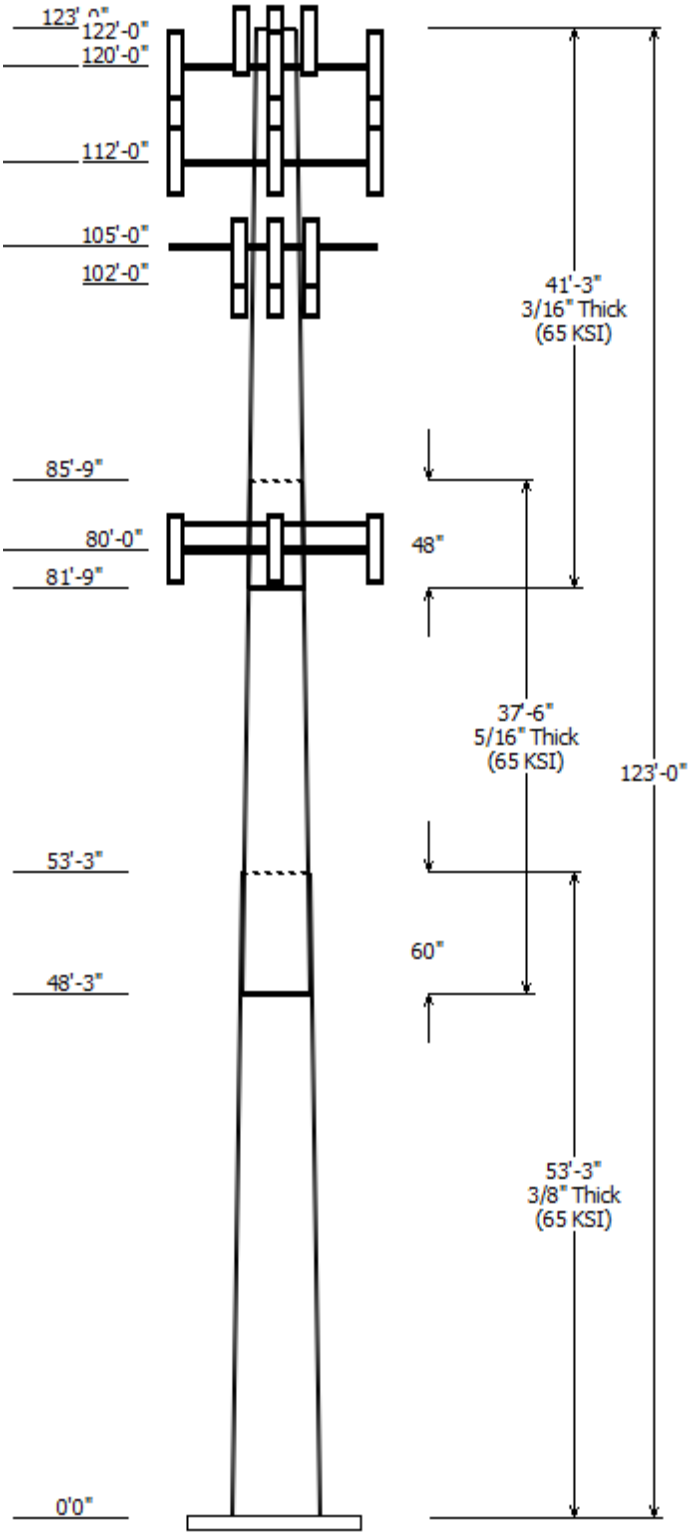
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

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 :	283419	Code:	ANSI/TIA-222-H
Location :	PINE ORCHARD BRANFORD CT, CT		
Description :		Risk Category :	II
Shape :	18 Sides	Exposure :	C
Height :	123.00 (ft)	Topo Method :	Method 1
Base Elev (ft):	0.00	Topographic Category :	1
Taper:	0.250000 (in/ft)		

Sections Properties

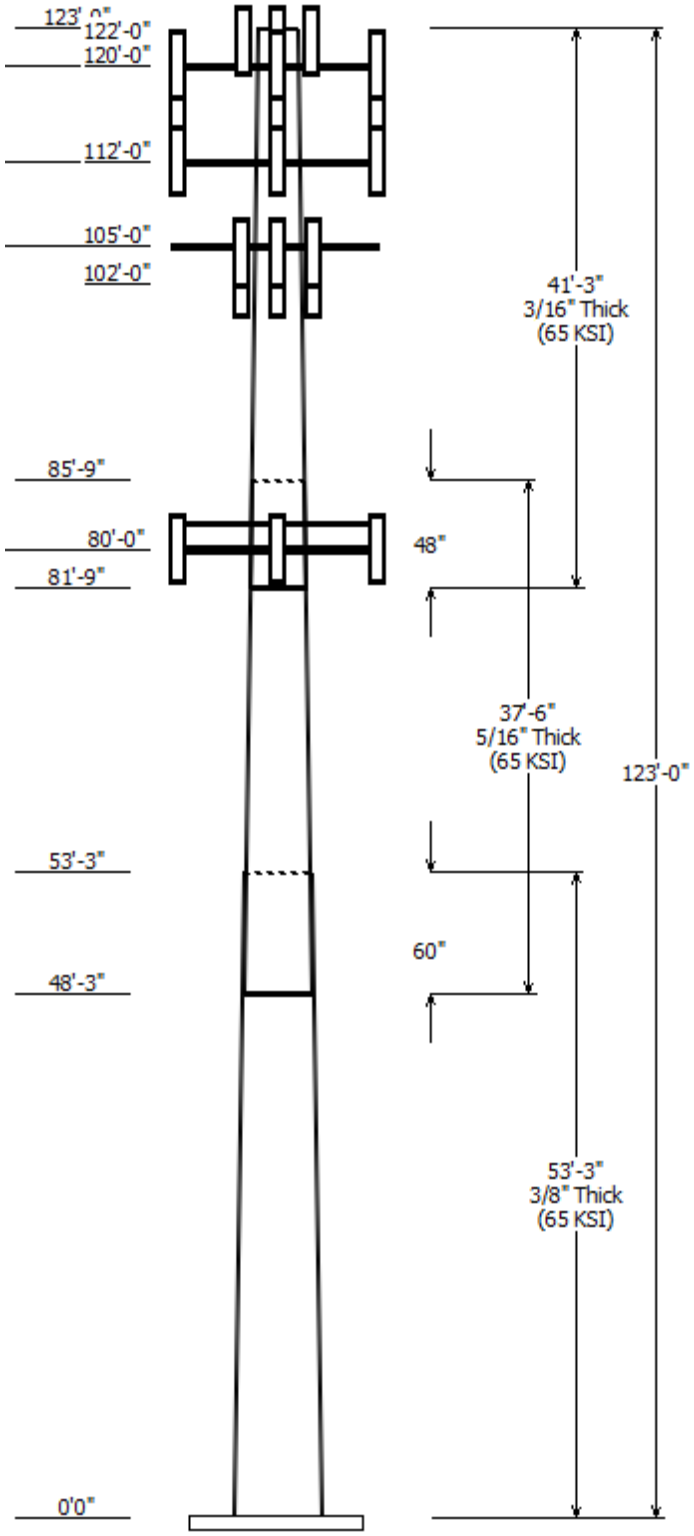
Shaft Section	Length (ft)	Diameter (in) Accross Flats Top	Bottom	Thick (in)	Joint Type	Overlap Length (in)	Shape	Steel Grade (ksi)
1	53.250	37.43	50.75	0.375		0.000	18 Sides	65
2	37.500	29.93	39.31	0.313	Slip Joint	60.000	18 Sides	65
3	41.250	21.00	31.31	0.188	Slip Joint	48.000	18 Sides	65

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
122.000	122.000	3	Ericsson AIR 21, 1.3M, B4A B2P
122.000	122.000	3	Ericsson AIR 21, 1.3 M, B2A B4
120.000	120.000	3	Generic Round T-Arm
120.000	120.000	3	RFS APXVAARR24_43-U-NA20
120.000	120.000	3	Ericsson Radio 4449 B12,B71
120.000	120.000	3	Ericsson KRY 112 144/1
112.000	114.000	3	Ericsson RRUS 11 (Band 12)
112.000	112.000	3	Round T-Arm
112.000	112.000	3	CCI DMP65R-BU6DA
112.000	112.000	3	Powerwave Allgon P90-15-
112.000	114.000	3	Commscope SBNHH-1D65A
112.000	114.000	3	Ericsson RRUS 32 B2
112.000	112.000	1	Raycap DC6-48-60-18-8C
112.000	112.000	3	Ericsson RRUS 4478 B14
112.000	112.000	3	Ericsson RRUS 4449 B5, B12
112.000	114.000	1	Raycap DC6-48-60-18-8F
112.000	114.000	3	Powerwave Allgon TT19-
105.000	105.000	3	Round T-Arm
102.000	103.000	4	Antel LPA-80063/6CF
102.000	102.000	6	Commscope JAHH-65B-R3B
102.000	103.000	2	Swedcom SC-E 6016 REV2
102.000	102.000	3	Samsung MT6407-77A
102.000	102.000	1	Raycap RCMDC-6627-PF-48
102.000	102.000	3	Samsung B5/B13 RRH-BR04C
102.000	102.000	3	Samsung B2/B66A RRH-BR049
102.000	102.000	3	Commscope CBC78T-DS-43-2X
80.000	80.000	3	JMA Wireless MX08FRO665-21
80.000	80.000	3	Fujitsu TA08025-B604
80.000	80.000	3	Fujitsu TA08025-B605
80.000	80.000	1	Commscope RDIDC-9181-PF-48
80.000	80.000	1	Generic Flat Platform with Han

Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
0.000	80.000	1.60" (40.6mm)	No
0.000	102.0	1 5/8" (1.63"-	No
0.000	102.0	1 5/8" Coax	No
0.000	112.0	0.40" (10.3mm)	No
0.000	112.0	0.78" (19.7mm) 8	No
0.000	112.0	1 5/8" Coax	No
0.000	112.0	2" conduit	No



0.000	120.0	1 5/8" (1.63"-	No
0.000	122.0	1 5/8" (1.63"-	No
0.000	122.0	1 5/8" Coax	No

Load Cases

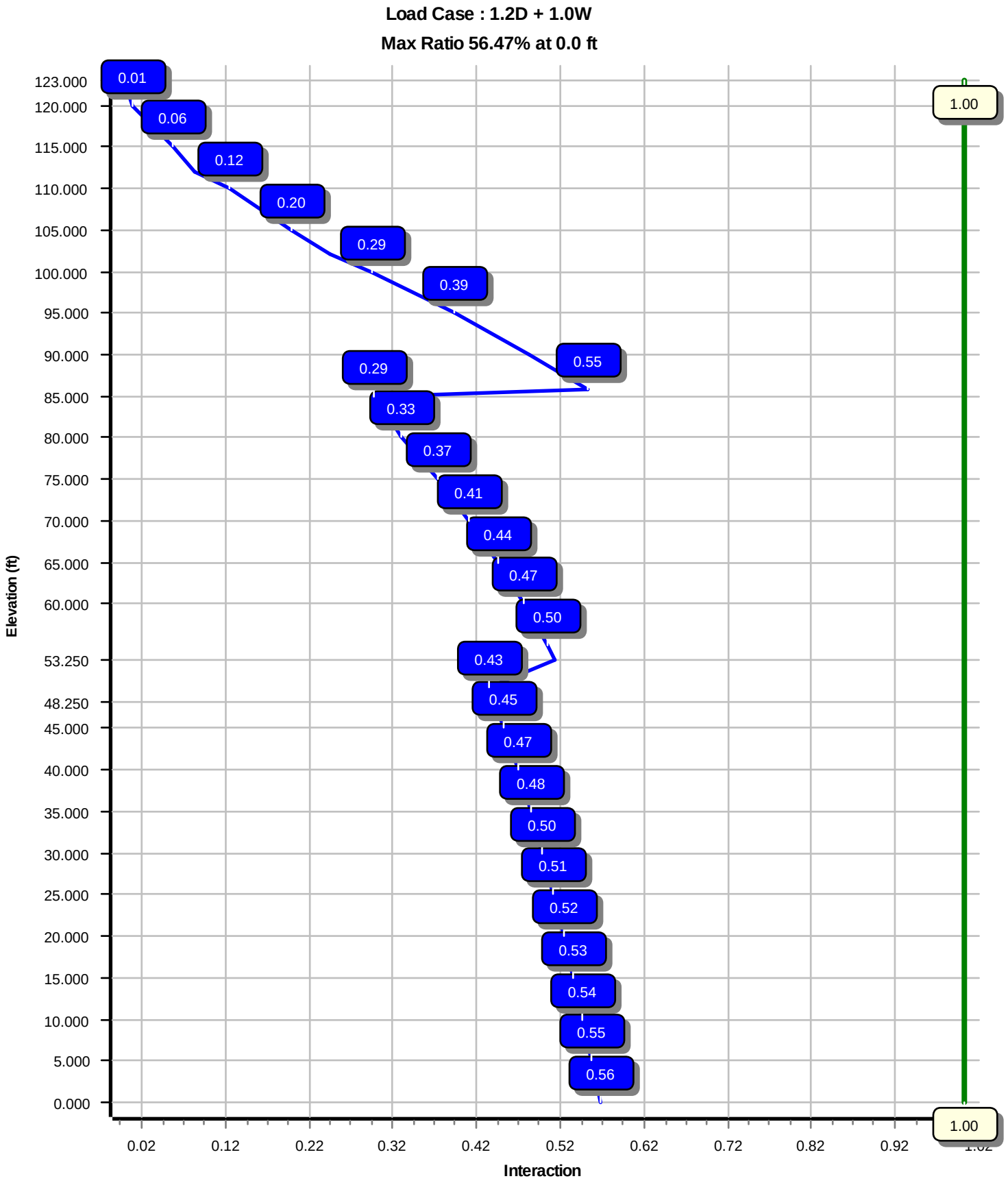
1.2D + 1.0W	122 mph with No Ice
0.9D + 1.0W	122 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	2343.31	26.78	35.34
0.9D + 1.0W	2326.97	26.77	26.50
1.2D + 1.0Di + 1.0Wi	561.18	6.59	48.02
1.2D + 1.0Ev + 1.0Eh	95.22	1.01	35.16
0.9D - 1.0Ev + 1.0Eh	94.40	1.01	24.25
1.0D + 1.0W	504.97	5.79	29.49

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 56.47% at 0.0 ft
Elevation (ft)
123.000
120.000
115.000
110.000
105.000
100.000
95.000
90.000
85.000
80.000
75.000
70.000
65.000
60.000
53.250
48.250
45.000
40.000
35.000
30.000
25.000
20.000
15.000
10.000
5.000
0.000
0.01
0.06
0.12
0.20
0.29
0.39
0.55
0.29
0.33
0.37
0.41
0.44
0.47
0.50
0.43
0.45
0.47
0.48
0.50
0.51
0.52
0.53
0.54
0.55
0.56
1.00
1.00
0.02
0.12
0.22
0.32
0.42
0.52
0.62
0.72
0.82
0.92
Interaction

Site Number: 283419 **Code:** ANSI/TIA-222-H

Site Name: PINE ORCHARD BRANFORD CT, CT **Engineering Number:** 13668761_C3_04 **7/6/2021 11:42:48 AM**

Customer: VERIZON WIRELESS

Analysis Parameters

Location :	New Haven County, CT	**Height (ft) :**	123
Code :	ANSI/TIA-222-H	**Base Diameter (in) :**	50.75
Shape :	18 Sides	**Top Diameter (in) :**	21.00
Pole Type :	Taper	**Taper (in/ft) :**	0.250
Pole Manfacturer :	Sabre	**Rotation (deg) :**	0.00
Kd (non-service) :	0.95	**Ke :**	1.00

Ice & Wind Parameters

Exposure Category:	C	**Design Wind Speed Without Ice:**	122 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:**	30.00 ft

Seismic Parameters

Analysis Method: Equivalent Lateral Force Method

Site Class: D - Stiff Soil

Period Based on Rayleigh Method (sec): 1.65

T_L (sec):	6	**p:**	1	**C_s:**	0.034
S_s:	0.201	**S_1:**	0.053	**C_s Max:**	0.034
F_a:	1.600	**F_v:**	2.400	**C_s Min:**	0.030
S_{ds}:	0.214	**S_{d1}:**	0.085		

Load Cases

1.2D + 1.0W	122 mph with No Ice
0.9D + 1.0W	122 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)	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	53.250	0.3750	65		0.00	9,429	50.75	0.00	59.96	19223.0	22.10	135.33	37.43	53.25	44.11	7655.6	15.84	99.83	0.250000
2-18	37.500	0.3125	65	Slip	60.00	4,343	39.31	48.25	38.68	7433.4	20.42	125.80	29.93	85.75	29.38	3258.1	15.13	95.80	0.250000
3-18	41.250	0.1875	65	Slip	48.00	2,169	31.31	81.75	18.52	2267.1	27.68	167.00	21.00	123.00	12.39	677.8	17.99	112.00	0.250000
				Shaft Weight		15,940													

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
122.00	Ericsson AIR 21, 1.3 M, B2A B4P	3	0.80	0.000	83.00	6.049	0.71	178.42	7.462	0.71
122.00	Ericsson AIR 21, 1.3M, B4A B2P	3	0.80	0.000	81.50	6.092	0.70	176.57	7.507	0.70
120.00	Ericsson KRY 112 144/1	3	0.80	0.000	11.00	0.351	0.50	18.01	0.616	0.50
120.00	Ericsson Radio 4449 B12,B71	3	0.80	0.000	74.00	1.639	0.50	110.50	2.189	0.50
120.00	Generic Round T-Arm	3	0.75	0.000	312.50	9.700	0.67	482.81	15.075	0.67
120.00	RFS APXVAARR24_43-U-NA20	3	0.80	0.000	127.90	20.243	0.63	383.83	22.661	0.63
112.00	Powerwave Allgon TT19-	3	0.80	2.000	16.00	0.553	0.50	29.09	0.884	0.50
112.00	Raycap DC6-48-60-18-8F	1	0.80	2.000	20.00	1.260	1.00	54.13	1.687	1.00
112.00	Ericsson RRUS 4449 B5, B12	3	0.80	0.000	71.00	1.969	0.50	112.78	2.574	0.50
112.00	Ericsson RRUS 4478 B14	3	0.80	0.000	59.40	2.021	0.67	99.18	2.632	0.67
112.00	Raycap DC6-48-60-18-8C	1	0.80	0.000	16.00	2.030	1.00	53.74	2.522	1.00
112.00	Ericsson RRUS 32 B2	3	0.80	2.000	53.00	2.743	0.67	100.68	3.501	0.67
112.00	Ericsson RRUS 11 (Band 12)	3	0.80	2.000	50.00	2.990	0.67	94.19	3.781	0.67
112.00	Commscope SBNHH-1D65A	3	0.80	2.000	33.50	5.883	0.69	121.24	7.262	0.69
112.00	Powerwave Allgon P90-15-XLH-	3	0.80	0.000	53.00	8.133	0.67	159.77	9.940	0.67
112.00	Round T-Arm	3	0.75	0.000	250.00	9.700	0.67	385.48	15.044	0.67
112.00	CCI DMP65R-BU6DA	3	0.80	0.000	79.40	12.709	0.63	246.38	14.517	0.63
105.00	Round T-Arm	3	0.75	0.000	250.00	9.700	0.67	384.53	15.007	0.67
102.00	Commscope CBC78T-DS-43-2X	3	0.80	0.000	20.70	0.552	0.50	34.89	0.878	0.50
102.00	Samsung B2/B66A RRH-BR049	3	0.80	0.000	84.40	1.875	0.50	125.37	2.455	0.50
102.00	Samsung B5/B13 RRH-BR04C	3	0.80	0.000	70.30	1.875	0.50	107.03	2.455	0.50
102.00	Raycap RCMDC-6627-PF-48	1	0.80	0.000	32.00	4.056	1.00	113.61	4.932	1.00
102.00	Samsung MT6407-77A	3	0.80	0.000	81.60	4.709	0.61	147.05	5.684	0.61
102.00	Swedcom SC-E 6016 REV2	2	0.80	1.000	25.00	7.630	0.83	149.77	8.556	0.83
102.00	Commscope JAHH-65B-R3B	6	0.80	0.000	60.60	9.113	0.69	190.51	10.894	0.69
102.00	Antel LPA-80063/6CF	4	0.80	1.000	27.00	9.593	0.76	202.07	10.446	0.76
80.00	Commscope RDIDC-9181-PF-48	1	0.75	0.000	21.90	1.867	1.00	57.49	2.430	1.00
80.00	Fujitsu TA08025-B605	3	0.75	0.000	75.00	1.962	0.50	114.18	2.537	0.50
80.00	Fujitsu TA08025-B604	3	0.75	0.000	63.90	1.962	0.50	100.37	2.537	0.50
80.00	JMA Wireless MX08FRO665-21	3	0.75	0.000	64.50	12.489	0.64	225.23	14.246	0.64
80.00	Generic Flat Platform with	1	1.00	0.000	2,500.00	42.400	1.00	3,610.91	55.515	1.00
Totals	Num Loadings:31	86			9,308.30			17,953.45		

Linear Appurtenance Properties

Load Case Azimuth (deg) : 0

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax / Row	Dist Between Rows (in)	Dist Between Cols (in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	122.00	1	1 5/8" (1.63"-41.3mm)	1.63	1.61	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	122.00	12	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	120.00	3	1 5/8" (1.63"-41.3mm)	1.63	1.61	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	112.00	2	0.40" (10.3mm) Fiber	0.40	0.09	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	112.00	4	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	112.00	6	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY

0.00	112.00	1	2" conduit	2.38	3.65	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	102.00	2	1 5/8" (1.63"-41.3mm)	1.63	1.61	N	0	0.00	0.00	0	0.00	N	VERIZON WIRELESS
0.00	102.00	6	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	VERIZON WIRELESS
0.00	80.00	1	1.60" (40.6mm) Hybrid	1.60	2.34	N	0	0.00	0.00	0	0.00	N	DISH WIRELESS

Segment Properties (Max Len : 5. ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)
0.00		0.3750	50.750	59.957	19,223.0	22.10	135.33	75.4	746.0	0.0	0.0
5.00		0.3750	49.500	58.469	17,827.2	21.51	132.00	76.1	709.3	0.0	1,007.4
10.00		0.3750	48.250	56.981	16,500.7	20.92	128.67	76.8	673.6	0.0	982.1
15.00		0.3750	47.000	55.493	15,241.7	20.34	125.33	77.5	638.7	0.0	956.8
20.00		0.3750	45.750	54.006	14,048.4	19.75	122.00	78.2	604.8	0.0	931.5
25.00		0.3750	44.500	52.518	12,919.0	19.16	118.67	78.9	571.8	0.0	906.2
30.00		0.3750	43.250	51.030	11,851.9	18.57	115.33	79.6	539.7	0.0	880.9
35.00		0.3750	42.000	49.542	10,845.2	17.99	112.00	80.2	508.6	0.0	855.6
40.00		0.3750	40.750	48.055	9,897.2	17.40	108.67	80.9	478.4	0.0	830.3
45.00		0.3750	39.500	46.567	9,006.1	16.81	105.33	81.6	449.1	0.0	804.9
48.25	Bot - Section 2	0.3750	38.688	45.600	8,456.6	16.43	103.17	82.1	430.5	0.0	509.6
50.00		0.3750	38.250	45.079	8,170.2	16.22	102.00	82.3	420.7	0.0	499.0
53.25	Top - Section 1	0.3125	38.063	37.442	6,741.3	19.71	121.80	78.2	348.8	0.0	911.7
55.00		0.3125	37.625	37.008	6,509.6	19.47	120.40	78.5	340.8	0.0	221.7
60.00		0.3125	36.375	35.768	5,877.1	18.76	116.40	79.3	318.2	0.0	619.1
65.00		0.3125	35.125	34.528	5,286.9	18.06	112.40	80.2	296.5	0.0	598.0
70.00		0.3125	33.875	33.289	4,737.6	17.35	108.40	81.0	275.5	0.0	576.9
75.00		0.3125	32.625	32.049	4,227.7	16.65	104.40	81.8	255.2	0.0	555.8
80.00		0.3125	31.375	30.809	3,755.8	15.94	100.40	82.6	235.8	0.0	534.7
81.75	Bot - Section 3	0.3125	30.938	30.375	3,599.3	15.69	99.00	82.6	229.1	0.0	182.2
85.00		0.3125	30.125	29.569	3,320.4	15.23	96.40	82.6	217.1	0.0	533.6
85.75	Top - Section 2	0.1875	30.313	17.927	2,055.5	26.74	161.67	69.9	133.6	0.0	121.1
90.00		0.1875	29.250	17.295	1,845.6	25.74	156.00	71.1	124.3	0.0	254.7
95.00		0.1875	28.000	16.551	1,617.6	24.57	149.33	72.5	113.8	0.0	287.9
100.0		0.1875	26.750	15.807	1,409.1	23.39	142.67	73.9	103.8	0.0	275.3
102.0		0.1875	26.250	15.510	1,331.0	22.92	140.00	74.4	99.9	0.0	106.6
105.0		0.1875	25.500	15.064	1,219.4	22.22	136.00	75.3	94.2	0.0	156.1
110.0		0.1875	24.250	14.320	1,047.5	21.04	129.33	76.7	85.1	0.0	250.0
112.0		0.1875	23.750	14.022	983.6	20.57	126.67	77.2	81.6	0.0	96.4
115.0		0.1875	23.000	13.576	892.6	19.87	122.67	78.0	76.4	0.0	140.9
120.0		0.1875	21.750	12.832	753.8	18.69	116.00	79.4	68.3	0.0	224.6
122.0		0.1875	21.250	12.534	702.5	18.22	113.33	80.0	65.1	0.0	86.3
123.0		0.1875	21.000	12.386	677.8	17.99	112.00	80.2	63.6	0.0	42.4
											15,940.4

Load Case: 1.2D + 1.0W — 122 mph with No Ice — 22 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.20
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		261.7	0.0					0.0	0.0	261.7	0.0	0.0	0.0
5.00		516.9	1,208.9					0.0	227.2	516.9	1,436.1	0.0	0.0
10.00		503.8	1,178.6					0.0	227.2	503.8	1,405.8	0.0	0.0
15.00		498.4	1,148.2					0.0	227.2	498.4	1,375.4	0.0	0.0
20.00		506.0	1,117.8					0.0	227.2	506.0	1,345.0	0.0	0.0
25.00		516.2	1,087.4					0.0	227.2	516.2	1,314.6	0.0	0.0
30.00		521.4	1,057.1					0.0	227.2	521.4	1,284.3	0.0	0.0
35.00		523.2	1,026.7					0.0	227.2	523.2	1,253.9	0.0	0.0
40.00		522.1	996.3					0.0	227.2	522.1	1,223.5	0.0	0.0
45.00		428.7	965.9					0.0	227.2	428.7	1,193.1	0.0	0.0
48.25	Bot - Section 2	259.8	611.6					0.0	147.7	259.8	759.3	0.0	0.0
50.00		260.7	598.9					0.0	79.5	260.7	678.4	0.0	0.0
53.25	Top - Section 1	259.6	1,094.1					0.0	147.7	259.6	1,241.7	0.0	0.0
55.00		346.5	266.0					0.0	79.5	346.5	345.5	0.0	0.0
60.00		507.7	742.9					0.0	227.2	507.7	970.1	0.0	0.0
65.00		498.6	717.6					0.0	227.2	498.6	944.8	0.0	0.0
70.00		488.5	692.3					0.0	227.2	488.5	919.5	0.0	0.0
75.00		477.3	667.0					0.0	227.2	477.3	894.2	0.0	0.0
80.00	Appurtenance(s)	316.8	641.7	3,179.5	0.0	0.0	3,758.5	0.0	227.2	3,496.3	4,627.4	0.0	0.0
81.75	Bot - Section 3	231.4	218.6					0.0	74.6	231.4	293.2	0.0	0.0
85.00		184.6	640.4					0.0	138.6	184.6	778.9	0.0	0.0
85.75	Top - Section 2	225.8	145.3					0.0	32.0	225.8	177.3	0.0	0.0
90.00		410.4	305.6					0.0	181.2	410.4	486.8	0.0	0.0
95.00		430.6	345.5					0.0	213.2	430.6	558.7	0.0	0.0
100.00		294.3	330.3					0.0	213.2	294.3	543.5	0.0	0.0
102.00	Appurtenance(s)	204.1	127.9	3,994.2	0.0	1,695.0	1,589.5	0.0	85.3	4,198.3	1,802.7	0.0	0.0
105.00	Appurtenance(s)	317.9	187.3	743.7	0.0	0.0	900.0	0.0	98.6	1,061.6	1,185.9	0.0	0.0
110.00		272.6	300.0					0.0	164.3	272.6	464.3	0.0	0.0
112.00	Appurtenance(s)	188.3	115.7	3,859.5	0.0	2,135.4	2,438.3	0.0	65.7	4,047.8	2,619.7	0.0	0.0
115.00		291.9	169.0					0.0	58.6	291.9	227.6	0.0	0.0
120.00	Appurtenance(s)	249.5	269.6	2,490.9	0.0	0.0	1,891.4	0.0	97.7	2,740.4	2,258.7	0.0	0.0
122.00	Appurtenance(s)	99.2	103.6	1,078.3	0.0	0.0	592.2	0.0	27.5	1,177.5	723.3	0.0	0.0
123.00		29.6	50.9					0.0	0.0	29.6	50.9	0.0	0.0
								Totals:		26,990.3	35,384.4	0.00	0.00

Load Case: 1.2D + 1.0W — 122 mph with No Ice — 22 Iterations

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-35.34	-26.78	0.00	-2,343.31	0.00	2,343.31	4,069.07	1,052.24	4,787.63	4,219.32	0.00	0.00	0.565
5.00	-33.83	-26.36	0.00	-2,209.40	0.00	2,209.40	4,004.48	1,026.13	4,553.01	4,048.54	0.09	-0.17	0.555
10.00	-32.35	-25.95	0.00	-2,077.59	0.00	2,077.59	3,938.03	1,000.02	4,324.28	3,879.29	0.36	-0.34	0.544
15.00	-30.90	-25.54	0.00	-1,947.84	0.00	1,947.84	3,869.74	973.91	4,101.44	3,711.71	0.81	-0.51	0.533
20.00	-29.48	-25.11	0.00	-1,820.16	0.00	1,820.16	3,799.59	947.80	3,884.50	3,545.95	1.44	-0.69	0.522
25.00	-28.10	-24.66	0.00	-1,694.62	0.00	1,694.62	3,727.59	921.69	3,673.45	3,382.14	2.26	-0.87	0.509
30.00	-26.75	-24.20	0.00	-1,571.32	0.00	1,571.32	3,653.75	895.58	3,468.30	3,220.43	3.26	-1.05	0.496
35.00	-25.43	-23.74	0.00	-1,450.31	0.00	1,450.31	3,578.04	869.47	3,269.04	3,060.96	4.46	-1.23	0.482
40.00	-24.14	-23.26	0.00	-1,331.63	0.00	1,331.63	3,500.49	843.36	3,075.67	2,903.89	5.84	-1.41	0.466
45.00	-22.90	-22.86	0.00	-1,215.32	0.00	1,215.32	3,421.09	817.25	2,888.20	2,749.35	7.42	-1.59	0.450
48.25	-22.11	-22.62	0.00	-1,141.02	0.00	1,141.02	3,368.49	800.28	2,769.51	2,650.32	8.55	-1.71	0.438
50.00	-21.41	-22.37	0.00	-1,101.44	0.00	1,101.44	3,339.84	791.14	2,706.63	2,597.48	9.19	-1.78	0.431
53.25	-20.14	-22.10	0.00	-1,028.74	0.00	1,028.74	2,635.64	657.11	2,240.55	2,046.33	10.44	-1.90	0.511
55.00	-19.75	-21.79	0.00	-990.05	0.00	990.05	2,614.77	649.49	2,188.92	2,006.40	11.15	-1.97	0.502
60.00	-18.73	-21.32	0.00	-881.09	0.00	881.09	2,553.87	627.73	2,044.74	1,893.48	13.32	-2.17	0.474
65.00	-17.73	-20.84	0.00	-774.50	0.00	774.50	2,491.13	605.97	1,905.46	1,782.39	15.70	-2.37	0.443
70.00	-16.76	-20.37	0.00	-670.29	0.00	670.29	2,426.53	584.22	1,771.10	1,673.28	18.29	-2.57	0.409
75.00	-15.83	-19.90	0.00	-568.43	0.00	568.43	2,360.09	562.46	1,641.65	1,566.29	21.08	-2.75	0.371
80.00	-11.35	-16.20	0.00	-468.92	0.00	468.92	2,288.96	540.70	1,517.11	1,459.75	24.06	-2.93	0.327
81.75	-11.05	-15.97	0.00	-440.57	0.00	440.57	2,256.72	533.08	1,474.68	1,418.72	25.14	-2.99	0.316
85.00	-10.26	-15.76	0.00	-388.65	0.00	388.65	2,196.84	518.94	1,397.48	1,344.07	27.21	-3.09	0.295
85.75	-10.07	-15.54	0.00	-376.83	0.00	376.83	1,128.57	314.63	856.05	700.67	27.70	-3.12	0.549
90.00	-9.57	-15.13	0.00	-310.79	0.00	310.79	1,107.06	303.53	796.73	662.92	30.53	-3.25	0.480
95.00	-8.98	-14.70	0.00	-235.14	0.00	235.14	1,080.04	290.48	729.68	618.75	34.05	-3.46	0.391
100.00	-8.43	-14.39	0.00	-161.65	0.00	161.65	1,051.16	277.42	665.57	574.96	37.77	-3.63	0.292
102.00	-6.89	-10.09	0.00	-131.18	0.00	131.18	1,039.10	272.20	640.75	557.59	39.30	-3.69	0.243
105.00	-5.76	-8.96	0.00	-100.91	0.00	100.91	1,020.44	264.37	604.41	531.71	41.64	-3.76	0.197
110.00	-5.31	-8.67	0.00	-56.09	0.00	56.09	987.87	251.31	546.19	489.13	45.64	-3.86	0.121
112.00	-2.96	-4.45	0.00	-36.63	0.00	36.63	974.32	246.09	523.73	472.32	47.26	-3.88	0.081
115.00	-2.76	-4.15	0.00	-23.27	0.00	23.27	953.44	238.26	490.93	447.37	49.70	-3.91	0.055
120.00	-0.69	-1.26	0.00	-2.55	0.00	2.55	917.17	225.20	438.61	406.57	53.81	-3.93	0.007
122.00	-0.05	-0.03	0.00	-0.03	0.00	0.03	902.14	219.98	418.50	390.56	55.45	-3.93	0.000
123.00	0.00	-0.03	0.00	0.00	0.00	0.00	894.51	217.37	408.63	382.62	56.27	-3.93	0.000

Load Case: 0.9D + 1.0W — 122 mph with No Ice (Reduced DL) — 22 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		261.7	0.0					0.0	0.0	261.7	0.0	0.0	0.0
5.00		516.9	906.7					0.0	170.4	516.9	1,077.1	0.0	0.0
10.00		503.8	883.9					0.0	170.4	503.8	1,054.3	0.0	0.0
15.00		498.4	861.1					0.0	170.4	498.4	1,031.5	0.0	0.0
20.00		506.0	838.4					0.0	170.4	506.0	1,008.8	0.0	0.0
25.00		516.2	815.6					0.0	170.4	516.2	986.0	0.0	0.0
30.00		521.4	792.8					0.0	170.4	521.4	963.2	0.0	0.0
35.00		523.2	770.0					0.0	170.4	523.2	940.4	0.0	0.0
40.00		522.1	747.2					0.0	170.4	522.1	917.6	0.0	0.0
45.00		428.7	724.4					0.0	170.4	428.7	894.9	0.0	0.0
48.25	Bot - Section 2	259.8	458.7					0.0	110.8	259.8	569.4	0.0	0.0
50.00		260.7	449.1					0.0	59.6	260.7	508.8	0.0	0.0
53.25	Top - Section 1	259.6	820.5					0.0	110.8	259.6	931.3	0.0	0.0
55.00		346.5	199.5					0.0	59.6	346.5	259.1	0.0	0.0
60.00		507.7	557.2					0.0	170.4	507.7	727.6	0.0	0.0
65.00		498.6	538.2					0.0	170.4	498.6	708.6	0.0	0.0
70.00		488.5	519.2					0.0	170.4	488.5	689.6	0.0	0.0
75.00		477.3	500.2					0.0	170.4	477.3	670.7	0.0	0.0
80.00	Appurtenance(s)	316.8	481.3	3,179.5	0.0	0.0	2,818.9	0.0	170.4	3,496.3	3,470.6	0.0	0.0
81.75	Bot - Section 3	231.4	164.0					0.0	56.0	231.4	219.9	0.0	0.0
85.00		184.6	480.3					0.0	103.9	184.6	584.2	0.0	0.0
85.75	Top - Section 2	225.8	109.0					0.0	24.0	225.8	133.0	0.0	0.0
90.00		410.4	229.2					0.0	135.9	410.4	365.1	0.0	0.0
95.00		430.6	259.1					0.0	159.9	430.6	419.0	0.0	0.0
100.00		294.3	247.7					0.0	159.9	294.3	407.6	0.0	0.0
102.00	Appurtenance(s)	204.1	95.9	3,994.2	0.0	1,695.0	1,192.1	0.0	64.0	4,198.3	1,352.0	0.0	0.0
105.00	Appurtenance(s)	317.9	140.4	743.7	0.0	0.0	675.0	0.0	74.0	1,061.6	889.4	0.0	0.0
110.00		272.6	225.0					0.0	123.3	272.6	348.2	0.0	0.0
112.00	Appurtenance(s)	188.3	86.8	3,859.5	0.0	2,135.4	1,828.7	0.0	49.3	4,047.8	1,964.8	0.0	0.0
115.00		291.9	126.8					0.0	44.0	291.9	170.7	0.0	0.0
120.00	Appurtenance(s)	249.5	202.2	2,490.9	0.0	0.0	1,418.6	0.0	73.3	2,740.4	1,694.0	0.0	0.0
122.00	Appurtenance(s)	99.2	77.7	1,078.3	0.0	0.0	444.1	0.0	20.6	1,177.5	542.4	0.0	0.0
123.00		29.6	38.2					0.0	0.0	29.6	38.2	0.0	0.0
								Totals:		26,990.3	26,538.3	0.00	0.00

Load Case: 0.9D + 1.0W — 122 mph with No Ice (Reduced DL) — 22 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	-26.50	-26.77	0.00	-2,326.97	0.00	2,326.97	4,069.07	1,052.24	4,787.63	4,219.32	0.00	0.00	0.559
5.00	-25.34	-26.32	0.00	-2,193.13	0.00	2,193.13	4,004.48	1,026.13	4,553.01	4,048.54	0.09	-0.17	0.549
10.00	-24.22	-25.89	0.00	-2,061.51	0.00	2,061.51	3,938.03	1,000.02	4,324.28	3,879.29	0.36	-0.34	0.538
15.00	-23.11	-25.45	0.00	-1,932.07	0.00	1,932.07	3,869.74	973.91	4,101.44	3,711.71	0.80	-0.51	0.527
20.00	-22.03	-25.00	0.00	-1,804.81	0.00	1,804.81	3,799.59	947.80	3,884.50	3,545.95	1.43	-0.68	0.515
25.00	-20.98	-24.54	0.00	-1,679.80	0.00	1,679.80	3,727.59	921.69	3,673.45	3,382.14	2.24	-0.86	0.503
30.00	-19.95	-24.06	0.00	-1,557.10	0.00	1,557.10	3,653.75	895.58	3,468.30	3,220.43	3.24	-1.04	0.490
35.00	-18.94	-23.58	0.00	-1,436.78	0.00	1,436.78	3,578.04	869.47	3,269.04	3,060.96	4.42	-1.22	0.475
40.00	-17.96	-23.10	0.00	-1,318.88	0.00	1,318.88	3,500.49	843.36	3,075.67	2,903.89	5.80	-1.40	0.460
45.00	-17.02	-22.69	0.00	-1,203.40	0.00	1,203.40	3,421.09	817.25	2,888.20	2,749.35	7.36	-1.58	0.443
48.25	-16.42	-22.44	0.00	-1,129.66	0.00	1,129.66	3,368.49	800.28	2,769.51	2,650.32	8.48	-1.70	0.432
50.00	-15.89	-22.19	0.00	-1,090.39	0.00	1,090.39	3,339.84	791.14	2,706.63	2,597.48	9.11	-1.76	0.425
53.25	-14.93	-21.92	0.00	-1,018.28	0.00	1,018.28	2,635.64	657.11	2,240.55	2,046.33	10.36	-1.88	0.504
55.00	-14.63	-21.60	0.00	-979.91	0.00	979.91	2,614.77	649.49	2,188.92	2,006.40	11.06	-1.95	0.495
60.00	-13.85	-21.12	0.00	-871.90	0.00	871.90	2,553.87	627.73	2,044.74	1,893.48	13.21	-2.15	0.467
65.00	-13.09	-20.64	0.00	-766.31	0.00	766.31	2,491.13	605.97	1,905.46	1,782.39	15.57	-2.35	0.436
70.00	-12.35	-20.16	0.00	-663.12	0.00	663.12	2,426.53	584.22	1,771.10	1,673.28	18.14	-2.54	0.403
75.00	-11.65	-19.69	0.00	-562.32	0.00	562.32	2,360.09	562.46	1,641.65	1,566.29	20.90	-2.73	0.365
80.00	-8.32	-16.04	0.00	-463.88	0.00	463.88	2,288.96	540.70	1,517.11	1,459.75	23.85	-2.90	0.322
81.75	-8.09	-15.81	0.00	-435.80	0.00	435.80	2,256.72	533.08	1,474.68	1,418.72	24.92	-2.96	0.312
85.00	-7.50	-15.61	0.00	-384.41	0.00	384.41	2,196.84	518.94	1,397.48	1,344.07	26.97	-3.06	0.290
85.75	-7.36	-15.38	0.00	-372.71	0.00	372.71	1,128.57	314.63	856.05	700.67	27.46	-3.09	0.541
90.00	-6.97	-14.97	0.00	-307.33	0.00	307.33	1,107.06	303.53	796.73	662.92	30.26	-3.21	0.472
95.00	-6.53	-14.54	0.00	-232.46	0.00	232.46	1,080.04	290.48	729.68	618.75	33.74	-3.42	0.384
100.00	-6.11	-14.23	0.00	-159.76	0.00	159.76	1,051.16	277.42	665.57	574.96	37.43	-3.59	0.286
102.00	-5.02	-9.97	0.00	-129.59	0.00	129.59	1,039.10	272.20	640.75	557.59	38.94	-3.65	0.239
105.00	-4.18	-8.85	0.00	-99.70	0.00	99.70	1,020.44	264.37	604.41	531.71	41.26	-3.73	0.193
110.00	-3.85	-8.56	0.00	-55.43	0.00	55.43	987.87	251.31	546.19	489.13	45.22	-3.82	0.118
112.00	-2.15	-4.39	0.00	-36.16	0.00	36.16	974.32	246.09	523.73	472.32	46.82	-3.84	0.079
115.00	-2.00	-4.09	0.00	-22.98	0.00	22.98	953.44	238.26	490.93	447.37	49.24	-3.87	0.054
120.00	-0.50	-1.24	0.00	-2.52	0.00	2.52	917.17	225.20	438.61	406.57	53.31	-3.89	0.007
122.00	-0.04	-0.03	0.00	-0.03	0.00	0.03	902.14	219.98	418.50	390.56	54.94	-3.89	0.000
123.00	0.00	-0.03	0.00	0.00	0.00	0.00	894.51	217.37	408.63	382.62	55.75	-3.89	0.000

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph with 1.00 in Radial Ice — 21 Iterations

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

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		74.5	0.0					0.0	0.0	74.5	0.0	0.0	0.0
5.00		147.4	1,452.3					0.0	227.2	147.4	1,679.5	0.0	0.0
10.00		144.1	1,443.9					0.0	227.2	144.1	1,671.1	0.0	0.0
15.00		142.9	1,420.5					0.0	227.2	142.9	1,647.8	0.0	0.0
20.00		145.4	1,392.3					0.0	227.2	145.4	1,619.5	0.0	0.0
25.00		148.7	1,361.5					0.0	227.2	148.7	1,588.8	0.0	0.0
30.00		150.5	1,329.1					0.0	227.2	150.5	1,556.4	0.0	0.0
35.00		151.3	1,295.6					0.0	227.2	151.3	1,522.8	0.0	0.0
40.00		151.3	1,261.3					0.0	227.2	151.3	1,488.5	0.0	0.0
45.00		124.4	1,226.3					0.0	227.2	124.4	1,453.5	0.0	0.0
48.25	Bot - Section 2	75.5	779.0					0.0	147.7	75.5	926.7	0.0	0.0
50.00		75.8	689.9					0.0	79.5	75.8	769.4	0.0	0.0
53.25	Top - Section 1	75.5	1,260.6					0.0	147.7	75.5	1,408.3	0.0	0.0
55.00		101.0	355.1					0.0	79.5	101.0	434.6	0.0	0.0
60.00		148.2	990.8					0.0	227.2	148.2	1,218.0	0.0	0.0
65.00		145.9	959.3					0.0	227.2	145.9	1,186.5	0.0	0.0
70.00		143.3	927.5					0.0	227.2	143.3	1,154.7	0.0	0.0
75.00		140.4	895.4					0.0	227.2	140.4	1,122.6	0.0	0.0
80.00	Appurtenance(s)	93.4	863.1	674.1	0.0	0.0	5,188.2	0.0	227.2	767.5	6,278.5	0.0	0.0
81.75	Bot - Section 3	68.3	295.4					0.0	74.6	68.3	370.0	0.0	0.0
85.00		54.5	781.5					0.0	138.6	54.5	920.1	0.0	0.0
85.75	Top - Section 2	66.9	177.8					0.0	32.0	66.9	209.8	0.0	0.0
90.00		121.8	483.8					0.0	181.2	121.8	665.1	0.0	0.0
95.00		128.2	547.6					0.0	213.2	128.2	760.8	0.0	0.0
100.00		87.8	524.8					0.0	213.2	87.8	738.0	0.0	0.0
102.00	Appurtenance(s)	61.1	204.6	782.3	0.0	312.8	3,574.4	0.0	85.3	843.4	3,864.2	0.0	0.0
105.00	Appurtenance(s)	95.5	299.4	193.3	0.0	0.0	1,213.6	0.0	98.6	288.7	1,611.6	0.0	0.0
110.00		82.1	478.8					0.0	164.3	82.1	643.1	0.0	0.0
112.00	Appurtenance(s)	56.9	186.1	833.0	0.0	454.5	4,090.6	0.0	65.7	889.9	4,342.5	0.0	0.0
115.00		88.5	271.6					0.0	58.6	88.5	330.2	0.0	0.0
120.00	Appurtenance(s)	75.9	432.3	530.3	0.0	0.0	2,990.4	0.0	97.7	606.1	3,520.4	0.0	0.0
122.00	Appurtenance(s)	30.8	167.4	223.3	0.0	0.0	1,038.2	0.0	27.5	254.1	1,233.1	0.0	0.0
123.00		9.6	82.5					0.0	0.0	9.6	82.5	0.0	0.0
								Totals:		6,643.73	48,018.5	0.00	0.00

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.00 in Radial Ice 21 Iterations

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-48.02	-6.59	0.00	-561.18	0.00	561.18	4,069.07	1,052.24	4,787.63	4,219.32	0.00	0.00	0.145
5.00	-46.33	-6.47	0.00	-528.25	0.00	528.25	4,004.48	1,026.13	4,553.01	4,048.54	0.02	-0.04	0.142
10.00	-44.66	-6.36	0.00	-495.90	0.00	495.90	3,938.03	1,000.02	4,324.28	3,879.29	0.09	-0.08	0.139
15.00	-43.00	-6.24	0.00	-464.11	0.00	464.11	3,869.74	973.91	4,101.44	3,711.71	0.19	-0.12	0.136
20.00	-41.38	-6.12	0.00	-432.90	0.00	432.90	3,799.59	947.80	3,884.50	3,545.95	0.34	-0.16	0.133
25.00	-39.79	-6.00	0.00	-402.28	0.00	402.28	3,727.59	921.69	3,673.45	3,382.14	0.54	-0.21	0.130
30.00	-38.23	-5.87	0.00	-372.29	0.00	372.29	3,653.75	895.58	3,468.30	3,220.43	0.78	-0.25	0.126
35.00	-36.70	-5.74	0.00	-342.93	0.00	342.93	3,578.04	869.47	3,269.04	3,060.96	1.06	-0.29	0.122
40.00	-35.21	-5.61	0.00	-314.23	0.00	314.23	3,500.49	843.36	3,075.67	2,903.89	1.39	-0.34	0.118
45.00	-33.75	-5.49	0.00	-286.20	0.00	286.20	3,421.09	817.25	2,888.20	2,749.35	1.77	-0.38	0.114
48.25	-32.83	-5.43	0.00	-268.34	0.00	268.34	3,368.49	800.28	2,769.51	2,650.32	2.04	-0.41	0.111
50.00	-32.05	-5.36	0.00	-258.84	0.00	258.84	3,339.84	791.14	2,706.63	2,597.48	2.19	-0.42	0.109
53.25	-30.64	-5.28	0.00	-241.43	0.00	241.43	2,635.64	657.11	2,240.55	2,046.33	2.48	-0.45	0.130
55.00	-30.21	-5.19	0.00	-232.19	0.00	232.19	2,614.77	649.49	2,188.92	2,006.40	2.65	-0.47	0.127
60.00	-28.99	-5.06	0.00	-206.22	0.00	206.22	2,553.87	627.73	2,044.74	1,893.48	3.17	-0.51	0.120
65.00	-27.80	-4.92	0.00	-180.92	0.00	180.92	2,491.13	605.97	1,905.46	1,782.39	3.73	-0.56	0.113
70.00	-26.64	-4.79	0.00	-156.30	0.00	156.30	2,426.53	584.22	1,771.10	1,673.28	4.34	-0.61	0.104
75.00	-25.52	-4.66	0.00	-132.35	0.00	132.35	2,360.09	562.46	1,641.65	1,566.29	5.00	-0.65	0.095
80.00	-19.25	-3.82	0.00	-109.07	0.00	109.07	2,288.96	540.70	1,517.11	1,459.75	5.71	-0.69	0.083
81.75	-18.88	-3.76	0.00	-102.37	0.00	102.37	2,256.72	533.08	1,474.68	1,418.72	5.96	-0.70	0.081
85.00	-17.96	-3.70	0.00	-90.16	0.00	90.16	2,196.84	518.94	1,397.48	1,344.07	6.45	-0.73	0.075
85.75	-17.75	-3.63	0.00	-87.39	0.00	87.39	1,128.57	314.63	856.05	700.67	6.56	-0.73	0.141
90.00	-17.08	-3.51	0.00	-71.95	0.00	71.95	1,107.06	303.53	796.73	662.92	7.23	-0.76	0.124
95.00	-16.32	-3.39	0.00	-54.38	0.00	54.38	1,080.04	290.48	729.68	618.75	8.06	-0.81	0.103
100.00	-15.58	-3.30	0.00	-37.44	0.00	37.44	1,051.16	277.42	665.57	574.96	8.93	-0.85	0.080
102.00	-11.73	-2.40	0.00	-30.53	0.00	30.53	1,039.10	272.20	640.75	557.59	9.30	-0.87	0.066
105.00	-10.12	-2.09	0.00	-23.34	0.00	23.34	1,020.44	264.37	604.41	531.71	9.85	-0.88	0.054
110.00	-9.48	-2.00	0.00	-12.89	0.00	12.89	987.87	251.31	546.19	489.13	10.79	-0.91	0.036
112.00	-5.15	-1.04	0.00	-8.44	0.00	8.44	974.32	246.09	523.73	472.32	11.17	-0.91	0.023
115.00	-4.82	-0.95	0.00	-5.32	0.00	5.32	953.44	238.26	490.93	447.37	11.74	-0.92	0.017
120.00	-1.31	-0.28	0.00	-0.58	0.00	0.58	917.17	225.20	438.61	406.57	12.71	-0.92	0.003
122.00	-0.08	-0.01	0.00	-0.01	0.00	0.01	902.14	219.98	418.50	390.56	13.09	-0.92	0.000
123.00	0.00	-0.01	0.00	0.00	0.00	0.00	894.51	217.37	408.63	382.62	13.28	-0.92	0.000

Load Case: 1.0D + 1.0W Serviceability 60 mph 20 Iterations

Gust Response Factor :1.10
Dead Load 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		56.6	0.0					0.0	0.0	56.6	0.0	0.0	0.0
5.00		111.9	1,007.4					0.0	189.4	111.9	1,196.8	0.0	0.0
10.00		109.0	982.1					0.0	189.4	109.0	1,171.5	0.0	0.0
15.00		107.9	956.8					0.0	189.4	107.9	1,146.2	0.0	0.0
20.00		109.5	931.5					0.0	189.4	109.5	1,120.9	0.0	0.0
25.00		111.7	906.2					0.0	189.4	111.7	1,095.5	0.0	0.0
30.00		112.8	880.9					0.0	189.4	112.8	1,070.2	0.0	0.0
35.00		113.2	855.6					0.0	189.4	113.2	1,044.9	0.0	0.0
40.00		113.0	830.3					0.0	189.4	113.0	1,019.6	0.0	0.0
45.00		92.8	804.9					0.0	189.4	92.8	994.3	0.0	0.0
48.25	Bot - Section 2	56.2	509.6					0.0	123.1	56.2	632.7	0.0	0.0
50.00		56.4	499.0					0.0	66.3	56.4	565.3	0.0	0.0
53.25	Top - Section 1	56.2	911.7					0.0	123.1	56.2	1,034.8	0.0	0.0
55.00		75.0	221.7					0.0	66.3	75.0	287.9	0.0	0.0
60.00		109.9	619.1					0.0	189.4	109.9	808.5	0.0	0.0
65.00		107.9	598.0					0.0	189.4	107.9	787.4	0.0	0.0
70.00		105.7	576.9					0.0	189.4	105.7	766.3	0.0	0.0
75.00		103.3	555.8					0.0	189.4	103.3	745.2	0.0	0.0
80.00	Appurtenance(s)	68.6	534.7	688.1	0.0	0.0	3,132.1	0.0	189.4	756.6	3,856.2	0.0	0.0
81.75	Bot - Section 3	50.1	182.2					0.0	62.2	50.1	244.3	0.0	0.0
85.00		39.9	533.6					0.0	115.5	39.9	649.1	0.0	0.0
85.75	Top - Section 2	48.9	121.1					0.0	26.6	48.9	147.8	0.0	0.0
90.00		88.8	254.7					0.0	151.0	88.8	405.7	0.0	0.0
95.00		93.2	287.9					0.0	177.7	93.2	465.6	0.0	0.0
100.00		63.7	275.3					0.0	177.7	63.7	452.9	0.0	0.0
102.00	Appurtenance(s)	44.2	106.6	864.4	0.0	366.8	1,324.6	0.0	71.1	908.6	1,502.2	0.0	0.0
105.00	Appurtenance(s)	68.8	156.1	160.9	0.0	0.0	750.0	0.0	82.2	229.7	988.2	0.0	0.0
110.00		59.0	250.0					0.0	137.0	59.0	386.9	0.0	0.0
112.00	Appurtenance(s)	40.7	96.4	835.2	0.0	462.1	2,031.9	0.0	54.8	876.0	2,183.1	0.0	0.0
115.00		63.2	140.9					0.0	48.8	63.2	189.7	0.0	0.0
120.00	Appurtenance(s)	54.0	224.6	539.0	0.0	0.0	1,576.2	0.0	81.4	593.1	1,882.2	0.0	0.0
122.00	Appurtenance(s)	21.5	86.3	233.4	0.0	0.0	493.5	0.0	22.9	254.8	602.7	0.0	0.0
123.00		6.4	42.4					0.0	0.0	6.4	42.4	0.0	0.0
								Totals:		5,840.99	29,487.0	0.00	0.00

Load Case: 1.0D + 1.0W Serviceability 60 mph 20 Iterations

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-29.49	-5.79	0.00	-504.97	0.00	504.97	4,069.07	1,052.24	4,787.63	4,219.32	0.00	0.00	0.127
5.00	-28.28	-5.70	0.00	-476.01	0.00	476.01	4,004.48	1,026.13	4,553.01	4,048.54	0.02	-0.04	0.125
10.00	-27.11	-5.61	0.00	-447.51	0.00	447.51	3,938.03	1,000.02	4,324.28	3,879.29	0.08	-0.07	0.122
15.00	-25.96	-5.51	0.00	-419.48	0.00	419.48	3,869.74	973.91	4,101.44	3,711.71	0.17	-0.11	0.120
20.00	-24.84	-5.42	0.00	-391.92	0.00	391.92	3,799.59	947.80	3,884.50	3,545.95	0.31	-0.15	0.117
25.00	-23.74	-5.32	0.00	-364.83	0.00	364.83	3,727.59	921.69	3,673.45	3,382.14	0.49	-0.19	0.114
30.00	-22.66	-5.22	0.00	-338.23	0.00	338.23	3,653.75	895.58	3,468.30	3,220.43	0.70	-0.23	0.111
35.00	-21.62	-5.11	0.00	-312.15	0.00	312.15	3,578.04	869.47	3,269.04	3,060.96	0.96	-0.26	0.108
40.00	-20.59	-5.01	0.00	-286.57	0.00	286.57	3,500.49	843.36	3,075.67	2,903.89	1.26	-0.30	0.105
45.00	-19.60	-4.92	0.00	-261.52	0.00	261.52	3,421.09	817.25	2,888.20	2,749.35	1.60	-0.34	0.101
48.25	-18.96	-4.87	0.00	-245.52	0.00	245.52	3,368.49	800.28	2,769.51	2,650.32	1.84	-0.37	0.098
50.00	-18.40	-4.82	0.00	-237.00	0.00	237.00	3,339.84	791.14	2,706.63	2,597.48	1.98	-0.38	0.097
53.25	-17.36	-4.76	0.00	-221.34	0.00	221.34	2,635.64	657.11	2,240.55	2,046.33	2.25	-0.41	0.115
55.00	-17.07	-4.69	0.00	-213.01	0.00	213.01	2,614.77	649.49	2,188.92	2,006.40	2.40	-0.42	0.113
60.00	-16.26	-4.59	0.00	-189.56	0.00	189.56	2,553.87	627.73	2,044.74	1,893.48	2.87	-0.47	0.107
65.00	-15.47	-4.48	0.00	-166.63	0.00	166.63	2,491.13	605.97	1,905.46	1,782.39	3.38	-0.51	0.100
70.00	-14.70	-4.38	0.00	-144.21	0.00	144.21	2,426.53	584.22	1,771.10	1,673.28	3.94	-0.55	0.092
75.00	-13.95	-4.28	0.00	-122.30	0.00	122.30	2,360.09	562.46	1,641.65	1,566.29	4.54	-0.59	0.084
80.00	-10.10	-3.49	0.00	-100.90	0.00	100.90	2,288.96	540.70	1,517.11	1,459.75	5.18	-0.63	0.074
81.75	-9.86	-3.44	0.00	-94.80	0.00	94.80	2,256.72	533.08	1,474.68	1,418.72	5.41	-0.64	0.071
85.00	-9.21	-3.39	0.00	-83.62	0.00	83.62	2,196.84	518.94	1,397.48	1,344.07	5.86	-0.67	0.066
85.75	-9.06	-3.34	0.00	-81.08	0.00	81.08	1,128.57	314.63	856.05	700.67	5.97	-0.67	0.124
90.00	-8.66	-3.26	0.00	-66.87	0.00	66.87	1,107.06	303.53	796.73	662.92	6.58	-0.70	0.109
95.00	-8.19	-3.16	0.00	-50.59	0.00	50.59	1,080.04	290.48	729.68	618.75	7.33	-0.74	0.089
100.00	-7.74	-3.10	0.00	-34.77	0.00	34.77	1,051.16	277.42	665.57	574.96	8.13	-0.78	0.068
102.00	-6.25	-2.17	0.00	-28.21	0.00	28.21	1,039.10	272.20	640.75	557.59	8.46	-0.79	0.057
105.00	-5.26	-1.93	0.00	-21.70	0.00	21.70	1,020.44	264.37	604.41	531.71	8.97	-0.81	0.046
110.00	-4.87	-1.86	0.00	-12.06	0.00	12.06	987.87	251.31	546.19	489.13	9.83	-0.83	0.030
112.00	-2.70	-0.96	0.00	-7.87	0.00	7.87	974.32	246.09	523.73	472.32	10.18	-0.84	0.019
115.00	-2.51	-0.89	0.00	-5.00	0.00	5.00	953.44	238.26	490.93	447.37	10.70	-0.84	0.014
120.00	-0.64	-0.27	0.00	-0.55	0.00	0.55	917.17	225.20	438.61	406.57	11.59	-0.85	0.002
122.00	-0.04	-0.01	0.00	-0.01	0.00	0.01	902.14	219.98	418.50	390.56	11.94	-0.85	0.000
123.00	0.00	-0.01	0.00	0.00	0.00	0.00	894.51	217.37	408.63	382.62	12.12	-0.85	0.000

Equivalent Lateral Forces Method Analysis

Spectral Response Acceleration for Short Period (S_S):	0.20
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.05
Long-Period Transition Period (T_L):	6
Importance Factor (I_E):	1.00
Site Coefficient F_a:	1.60
Site Coeffiecient F_v:	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.21
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.08
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):	1.65
Redundancy Factor (p):	1.00
Seismic Force Distribution Exponent (k):	1.57
Total Unfactored Dead Load:	29.49 k
Seismic Base Shear (E):	1.01 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)
32	122.50	42	82	0.003	3	53
31	121.00	109	207	0.008	9	136
30	117.50	306	553	0.023	23	380
29	113.50	190	324	0.013	13	236
28	111.00	151	250	0.010	10	188
27	107.50	387	607	0.025	25	481
26	103.50	238	352	0.014	15	296
25	101.00	178	253	0.010	11	221
24	97.50	453	610	0.025	25	563
23	92.50	466	577	0.024	24	579
22	87.88	406	464	0.019	19	504
21	85.38	148	161	0.007	7	184
20	83.38	649	683	0.028	28	807
19	80.88	244	245	0.010	10	304
18	77.50	724	679	0.028	28	900
17	72.50	745	630	0.026	26	926
16	67.50	766	579	0.024	24	952
15	62.50	787	527	0.022	22	979
14	57.50	808	474	0.019	20	1,005
13	54.13	288	154	0.006	6	358
12	51.63	1,035	512	0.021	21	1,286
11	49.13	565	259	0.011	11	703
10	46.63	633	267	0.011	11	786
9	42.50	994	363	0.015	15	1,236
8	37.50	1,020	305	0.013	13	1,267

7	32.50	1,045	250	0.010	10	1,299
6	27.50	1,070	197	0.008	8	1,330
5	22.50	1,096	147	0.006	6	1,362
4	17.50	1,121	101	0.004	4	1,393
3	12.50	1,146	61	0.003	3	1,425
2	7.50	1,171	28	0.001	1	1,456
1	2.50	1,197	5	0.000	0	1,487
Ericsson AIR 21, 1.3	122.00	249	477	0.020	20	309
Ericsson AIR 21, 1.3	122.00	244	468	0.019	19	304
Ericsson KRY 112 144	120.00	33	62	0.003	3	41
Ericsson Radio 4449	120.00	222	414	0.017	17	276
Generic Round T-Arm	120.00	938	1,750	0.072	73	1,165
RFS APXVAARR24_43-U-	120.00	384	716	0.029	30	477
Powerwave Allgon TT1	112.00	48	80	0.003	3	60
Raycap DC6-48-60-18-	112.00	20	33	0.001	1	25
Ericsson RRUS 4449 B	112.00	213	357	0.015	15	265
Ericsson RRUS 4478 B	112.00	178	298	0.012	12	221
Raycap DC6-48-60-18-	112.00	16	27	0.001	1	20
Ericsson RRUS 32 B2	112.00	159	266	0.011	11	198
Ericsson RRUS 11 (Ba	112.00	150	251	0.010	10	186
Commscope SBNHH-1D65	112.00	101	168	0.007	7	125
Powerwave Allgon P90	112.00	159	266	0.011	11	198
Round T-Arm	112.00	750	1,256	0.052	52	932
CCI DMP65R-BU6DA	112.00	238	399	0.016	17	296
Round T-Arm	105.00	750	1,135	0.047	47	932
Commscope CBC78T-DS-	102.00	62	90	0.004	4	77
Samsung B2/B66A RRH-	102.00	253	366	0.015	15	315
Samsung B5/B13 RRH-B	102.00	211	305	0.013	13	262
Raycap RCMDC-6627-PF	102.00	32	46	0.002	2	40
Samsung MT6407-77A	102.00	245	354	0.015	15	304
Swedcom SC-E 6016 RE	102.00	50	72	0.003	3	62
Commscope JAHH-65B-R	102.00	364	526	0.022	22	452
Antel LPA-80063/6CF	102.00	108	156	0.006	6	134
Commscope RDIDC-9181	80.00	22	22	0.001	1	27
Fujitsu TA08025-B605	80.00	225	222	0.009	9	280
Fujitsu TA08025-B604	80.00	192	189	0.008	8	238
JMA Wireless MX08FRO	80.00	193	191	0.008	8	240
Generic Flat Platfor	80.00	2,500	2,466	0.101	103	3,107
		29,487	24,336	1.000	1,012	36,649

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)
32	122.50	42	82	0.003	3	36
31	121.00	109	207	0.008	9	94
30	117.50	306	553	0.023	23	262
29	113.50	190	324	0.013	13	163
28	111.00	151	250	0.010	10	130
27	107.50	387	607	0.025	25	332
26	103.50	238	352	0.014	15	204
25	101.00	178	253	0.010	11	152
24	97.50	453	610	0.025	25	388
23	92.50	466	577	0.024	24	399
22	87.88	406	464	0.019	19	348
21	85.38	148	161	0.007	7	127
20	83.38	649	683	0.028	28	556
19	80.88	244	245	0.010	10	209
18	77.50	724	679	0.028	28	621
17	72.50	745	630	0.026	26	639
16	67.50	766	579	0.024	24	657

15	62.50	787	527	0.022	22	675
14	57.50	808	474	0.019	20	693
13	54.13	288	154	0.006	6	247
12	51.63	1,035	512	0.021	21	887
11	49.13	565	259	0.011	11	485
10	46.63	633	267	0.011	11	542
9	42.50	994	363	0.015	15	852
8	37.50	1,020	305	0.013	13	874
7	32.50	1,045	250	0.010	10	896
6	27.50	1,070	197	0.008	8	917
5	22.50	1,096	147	0.006	6	939
4	17.50	1,121	101	0.004	4	961
3	12.50	1,146	61	0.003	3	982
2	7.50	1,171	28	0.001	1	1,004
1	2.50	1,197	5	0.000	0	1,026
Ericsson AIR 21, 1.3	122.00	249	477	0.020	20	213
Ericsson AIR 21, 1.3	122.00	244	468	0.019	19	210
Ericsson KRY 112 144	120.00	33	62	0.003	3	28
Ericsson Radio 4449	120.00	222	414	0.017	17	190
Generic Round T-Arm	120.00	938	1,750	0.072	73	804
RFS APXVAARR24_43-U-	120.00	384	716	0.029	30	329
Powerwave Allgon TT1	112.00	48	80	0.003	3	41
Raycap DC6-48-60-18-	112.00	20	33	0.001	1	17
Ericsson RRUS 4449 B	112.00	213	357	0.015	15	183
Ericsson RRUS 4478 B	112.00	178	298	0.012	12	153
Raycap DC6-48-60-18-	112.00	16	27	0.001	1	14
Ericsson RRUS 32 B2	112.00	159	266	0.011	11	136
Ericsson RRUS 11 (Ba	112.00	150	251	0.010	10	129
Commscope SBNHH-1D65	112.00	101	168	0.007	7	86
Powerwave Allgon P90	112.00	159	266	0.011	11	136
Round T-Arm	112.00	750	1,256	0.052	52	643
CCI DMP65R-BU6DA	112.00	238	399	0.016	17	204
Round T-Arm	105.00	750	1,135	0.047	47	643
Commscope CBC78T-DS-	102.00	62	90	0.004	4	53
Samsung B2/B66A RRH-	102.00	253	366	0.015	15	217
Samsung B5/B13 RRH-B	102.00	211	305	0.013	13	181
Raycap RCMDC-6627-PF	102.00	32	46	0.002	2	27
Samsung MT6407-77A	102.00	245	354	0.015	15	210
Swedcom SC-E 6016 RE	102.00	50	72	0.003	3	43
Commscope JAHH-65B-R	102.00	364	526	0.022	22	312
Antel LPA-80063/6CF	102.00	108	156	0.006	6	93
Commscope RDIDC-9181	80.00	22	22	0.001	1	19
Fujitsu TA08025-B605	80.00	225	222	0.009	9	193
Fujitsu TA08025-B604	80.00	192	189	0.008	8	164
JMA Wireless MX08FRO	80.00	193	191	0.008	8	166
Generic Flat Platfor	80.00	2,500	2,466	0.101	103	2,143
		29,487	24,336	1.000	1,012	25,274

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	-35.16	-1.01	0.00	-95.22	0.00	95.22	4,069.07	1,052.24	4,787.63	4,219.32	0.00	0.00	0.031
5.00	-33.71	-1.02	0.00	-90.15	0.00	90.15	4,004.48	1,026.13	4,553.01	4,048.54	0.00	-0.01	0.031
10.00	-32.28	-1.02	0.00	-85.07	0.00	85.07	3,938.03	1,000.02	4,324.28	3,879.29	0.01	-0.01	0.030
15.00	-30.89	-1.02	0.00	-79.98	0.00	79.98	3,869.74	973.91	4,101.44	3,711.71	0.03	-0.02	0.030
20.00	-29.53	-1.01	0.00	-74.89	0.00	74.89	3,799.59	947.80	3,884.50	3,545.95	0.06	-0.03	0.029
25.00	-28.20	-1.01	0.00	-69.82	0.00	69.82	3,727.59	921.69	3,673.45	3,382.14	0.09	-0.04	0.028
30.00	-26.90	-1.00	0.00	-64.78	0.00	64.78	3,653.75	895.58	3,468.30	3,220.43	0.13	-0.04	0.027
35.00	-25.63	-0.99	0.00	-59.78	0.00	59.78	3,578.04	869.47	3,269.04	3,060.96	0.18	-0.05	0.027
40.00	-24.39	-0.98	0.00	-54.83	0.00	54.83	3,500.49	843.36	3,075.67	2,903.89	0.24	-0.06	0.026
45.00	-23.61	-0.97	0.00	-49.94	0.00	49.94	3,421.09	817.25	2,888.20	2,749.35	0.30	-0.07	0.025
48.25	-22.90	-0.96	0.00	-46.79	0.00	46.79	3,368.49	800.28	2,769.51	2,650.32	0.35	-0.07	0.024
50.00	-21.62	-0.94	0.00	-45.12	0.00	45.12	3,339.84	791.14	2,706.63	2,597.48	0.38	-0.07	0.024
53.25	-21.26	-0.93	0.00	-42.07	0.00	42.07	2,635.64	657.11	2,240.55	2,046.33	0.43	-0.08	0.029
55.00	-20.26	-0.91	0.00	-40.44	0.00	40.44	2,614.77	649.49	2,188.92	2,006.40	0.46	-0.08	0.028
60.00	-19.28	-0.89	0.00	-35.88	0.00	35.88	2,553.87	627.73	2,044.74	1,893.48	0.55	-0.09	0.027
65.00	-18.32	-0.87	0.00	-31.43	0.00	31.43	2,491.13	605.97	1,905.46	1,782.39	0.64	-0.10	0.025
70.00	-17.40	-0.84	0.00	-27.09	0.00	27.09	2,426.53	584.22	1,771.10	1,673.28	0.75	-0.11	0.023
75.00	-16.50	-0.81	0.00	-22.87	0.00	22.87	2,360.09	562.46	1,641.65	1,566.29	0.86	-0.11	0.022
80.00	-12.30	-0.67	0.00	-18.80	0.00	18.80	2,288.96	540.70	1,517.11	1,459.75	0.99	-0.12	0.018
81.75	-11.49	-0.64	0.00	-17.63	0.00	17.63	2,256.72	533.08	1,474.68	1,418.72	1.03	-0.12	0.018
85.00	-11.31	-0.63	0.00	-15.55	0.00	15.55	2,196.84	518.94	1,397.48	1,344.07	1.12	-0.13	0.017
85.75	-10.81	-0.61	0.00	-15.07	0.00	15.07	1,128.57	314.63	856.05	700.67	1.14	-0.13	0.031
90.00	-10.23	-0.59	0.00	-12.47	0.00	12.47	1,107.06	303.53	796.73	662.92	1.25	-0.13	0.028
95.00	-9.67	-0.56	0.00	-9.53	0.00	9.53	1,080.04	290.48	729.68	618.75	1.39	-0.14	0.024
100.00	-9.44	-0.55	0.00	-6.71	0.00	6.71	1,051.16	277.42	665.57	574.96	1.55	-0.15	0.021
102.00	-7.50	-0.45	0.00	-5.60	0.00	5.60	1,039.10	272.20	640.75	557.59	1.61	-0.15	0.017
105.00	-6.09	-0.38	0.00	-4.24	0.00	4.24	1,020.44	264.37	604.41	531.71	1.70	-0.15	0.014
110.00	-5.90	-0.37	0.00	-2.35	0.00	2.35	987.87	251.31	546.19	489.13	1.87	-0.16	0.011
112.00	-3.14	-0.21	0.00	-1.61	0.00	1.61	974.32	246.09	523.73	472.32	1.93	-0.16	0.007
115.00	-2.76	-0.18	0.00	-1.00	0.00	1.00	953.44	238.26	490.93	447.37	2.03	-0.16	0.005
120.00	-0.67	-0.04	0.00	-0.09	0.00	0.09	917.17	225.20	438.61	406.57	2.20	-0.16	0.001
122.00	0.00	0.00	0.00	0.00	0.00	0.00	902.14	219.98	418.50	390.56	2.27	-0.16	0.000
123.00	0.00	0.00	0.00	0.00	0.00	0.00	894.51	217.37	408.63	382.62	2.30	-0.16	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	-24.25	-1.01	0.00	-94.40	0.00	94.40	4,069.07	1,052.24	4,787.63	4,219.32	0.00	0.00	0.028
5.00	-23.24	-1.01	0.00	-89.34	0.00	89.34	4,004.48	1,026.13	4,553.01	4,048.54	0.00	-0.01	0.028
10.00	-22.26	-1.01	0.00	-84.26	0.00	84.26	3,938.03	1,000.02	4,324.28	3,879.29	0.01	-0.01	0.027
15.00	-21.30	-1.01	0.00	-79.19	0.00	79.19	3,869.74	973.91	4,101.44	3,711.71	0.03	-0.02	0.027
20.00	-20.36	-1.01	0.00	-74.13	0.00	74.13	3,799.59	947.80	3,884.50	3,545.95	0.06	-0.03	0.026
25.00	-19.44	-1.00	0.00	-69.09	0.00	69.09	3,727.59	921.69	3,673.45	3,382.14	0.09	-0.04	0.026
30.00	-18.55	-0.99	0.00	-64.07	0.00	64.07	3,653.75	895.58	3,468.30	3,220.43	0.13	-0.04	0.025
35.00	-17.67	-0.98	0.00	-59.10	0.00	59.10	3,578.04	869.47	3,269.04	3,060.96	0.18	-0.05	0.024
40.00	-16.82	-0.97	0.00	-54.19	0.00	54.19	3,500.49	843.36	3,075.67	2,903.89	0.24	-0.06	0.023
45.00	-16.28	-0.96	0.00	-49.34	0.00	49.34	3,421.09	817.25	2,888.20	2,749.35	0.30	-0.06	0.023
48.25	-15.79	-0.95	0.00	-46.23	0.00	46.23	3,368.49	800.28	2,769.51	2,650.32	0.35	-0.07	0.022
50.00	-14.91	-0.93	0.00	-44.57	0.00	44.57	3,339.84	791.14	2,706.63	2,597.48	0.37	-0.07	0.022
53.25	-14.66	-0.92	0.00	-41.55	0.00	41.55	2,635.64	657.11	2,240.55	2,046.33	0.42	-0.08	0.026
55.00	-13.97	-0.90	0.00	-39.94	0.00	39.94	2,614.77	649.49	2,188.92	2,006.40	0.45	-0.08	0.025
60.00	-13.29	-0.88	0.00	-35.43	0.00	35.43	2,553.87	627.73	2,044.74	1,893.48	0.54	-0.09	0.024
65.00	-12.64	-0.86	0.00	-31.02	0.00	31.02	2,491.13	605.97	1,905.46	1,782.39	0.64	-0.10	0.022
70.00	-12.00	-0.83	0.00	-26.73	0.00	26.73	2,426.53	584.22	1,771.10	1,673.28	0.74	-0.10	0.021
75.00	-11.38	-0.80	0.00	-22.57	0.00	22.57	2,360.09	562.46	1,641.65	1,566.29	0.86	-0.11	0.019
80.00	-8.48	-0.66	0.00	-18.55	0.00	18.55	2,288.96	540.70	1,517.11	1,459.75	0.98	-0.12	0.016
81.75	-7.93	-0.63	0.00	-17.39	0.00	17.39	2,256.72	533.08	1,474.68	1,418.72	1.02	-0.12	0.016
85.00	-7.80	-0.62	0.00	-15.34	0.00	15.34	2,196.84	518.94	1,397.48	1,344.07	1.10	-0.12	0.015
85.75	-7.45	-0.61	0.00	-14.87	0.00	14.87	1,128.57	314.63	856.05	700.67	1.12	-0.13	0.028
90.00	-7.05	-0.58	0.00	-12.30	0.00	12.30	1,107.06	303.53	796.73	662.92	1.24	-0.13	0.025
95.00	-6.66	-0.56	0.00	-9.39	0.00	9.39	1,080.04	290.48	729.68	618.75	1.38	-0.14	0.021
100.00	-6.51	-0.55	0.00	-6.62	0.00	6.62	1,051.16	277.42	665.57	574.96	1.53	-0.15	0.018
102.00	-5.17	-0.45	0.00	-5.52	0.00	5.52	1,039.10	272.20	640.75	557.59	1.59	-0.15	0.015
105.00	-4.20	-0.37	0.00	-4.18	0.00	4.18	1,020.44	264.37	604.41	531.71	1.69	-0.15	0.012
110.00	-4.07	-0.36	0.00	-2.31	0.00	2.31	987.87	251.31	546.19	489.13	1.85	-0.16	0.009
112.00	-2.17	-0.20	0.00	-1.59	0.00	1.59	974.32	246.09	523.73	472.32	1.91	-0.16	0.006
115.00	-1.90	-0.18	0.00	-0.98	0.00	0.98	953.44	238.26	490.93	447.37	2.01	-0.16	0.004
120.00	-0.46	-0.04	0.00	-0.09	0.00	0.09	917.17	225.20	438.61	406.57	2.18	-0.16	0.001
122.00	0.00	0.00	0.00	0.00	0.00	0.00	902.14	219.98	418.50	390.56	2.24	-0.16	0.000
123.00	0.00	0.00	0.00	0.00	0.00	0.00	894.51	217.37	408.63	382.62	2.28	-0.16	0.000

Analysis Summary

	Reactions						Max Usage	
Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W	26.78	0.00	35.34	0.00	0.00	2343.31	0.00	0.56
0.9D + 1.0W	26.77	0.00	26.50	0.00	0.00	2326.97	0.00	0.56
1.2D + 1.0Di + 1.0Wi	6.59	0.00	48.02	0.00	0.00	561.18	0.00	0.14
1.2D + 1.0Ev + 1.0Eh	1.01	0.00	35.16	0.00	0.00	95.22	0.00	0.03
0.9D - 1.0Ev + 1.0Eh	1.01	0.00	24.25	0.00	0.00	94.40	0.00	0.03
1.0D + 1.0W	5.79	0.00	29.49	0.00	0.00	504.97	0.00	0.13

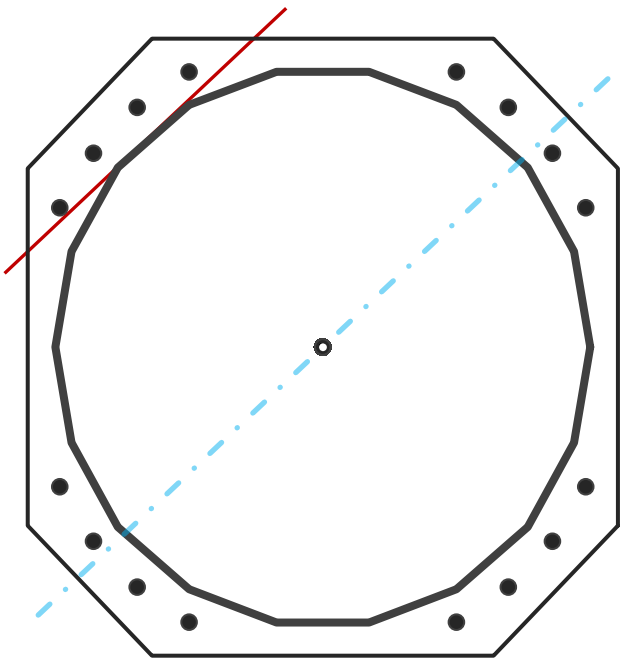
Base Plate & Anchor Rod Analysis

Pole Dimensions		
Number of Sides	18	-
Diameter	50.75	in
Thickness	0.375	in
Orientation Offset	0	°

Base Reactions		
Moment, Mu	2343.3	k-ft
Axial, Pu	35.3	k
Shear, Vu	26.8	k
Neutral Axis	42	°

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

Base Plate		
Shape	Square	-
Width	57	in
Thickness	2 3/4	in
Grade	A572-50	
Yield Strength, Fy	50	ksi
Tensile Strength, Fu	65	ksi
Clip	12	in
Orientation Offset		°
Anchor Rod Detail	d	η=0.5
Clear Distance	3	in
Applied Moment, Mu	1101.6	k
Bending Stress, ϕMn	2529.8	k



Original Anchor Rods		
Arrangement	Cluster	-
Quantity	16	-
Diameter, ø	2 1/4	in
Bolt Circle	57	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	6.0	in
Orientation Offset		°
Applied Force, Pu	125.3	k
Anchor Rods, ϕPn	243.6	k

Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	26.8	2343.3	1.00
Anchor Rod Forces	26.8	2343.3	1.00
Additional Bolt (Grp1) Forces	0.0	0.0	0.00
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	0.0	0.00
Stiffener Forces	0.0	0.0	0.00

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in^2	in^2	in^4	#	in^4
Pole	59.0458	3.2803	0.1543		18732.41
Bolt	3.9761	3.2477	0.8393	4.5	21116.92
Bolt1	0.0000	0.0000	0.0000	0	0.00
Bolt2	0.0000	0.0000	0.0000	0	0.00
Dywidag	0.0000	0.0000	0.0000		0.00
Stiffener	0.0000	0.0000	0.0000		0.00

Base Plate		
Shape	Square	-
Width, W	57	in
Thickness, t	2.75	in
Yield Strength, Fy	50	ksi
Tensile Strength, Fu	65	ksi
Base Plate Chord	25.951	in
Detail Type	d	-
Detail Factor	0.50	-
Clear Distance	3	-

Anchor Rods		
Anchor Rod Quantity, N	16	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	57	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	125.3	k
Applied Shear, Vu	0.2	k
Compressive Capacity, ϕPn	243.6	k
Tensile Capacity, ϕRnt	0.514	OK
Interaction Capacity	0.516	OK

External Base Plate		
Chord Length AA	29.735	in
Additional AA	0.000	in
Section Modulus, Z	56.218	in^3
Applied Moment, Mu	1101.6	k-ft
Bending Capacity, ϕMn	2529.8	k-ft
Capacity, Mu/ϕMn	0.435	OK
Chord Length AB	28.950	in
Additional AB	0.000	in
Section Modulus, Z	54.734	in^3
Applied Moment, Mu	910.3	k-ft
Bending Capacity, ϕMn	2463.0	k-ft
Capacity, Mu/ϕMn	0.370	OK
Bend Line Length	0.000	in
Additional Bend Line	0.000	in
Section Modulus, Z	0.000	in^3
Applied Moment, Mu	0.0	k-ft
Bending Capacity, ϕMn	0.0	k-ft
Capacity, Mu/ϕMn		

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

Maser Consulting
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 #: 10050359
Maser Consulting Project #: 21777426A

May 4, 2021

Site Information	*Site ID:*	*467164-VZW / BRANFORD WEST CT*
	Site Name:	*BRANFORD WEST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*123 Pine Orchard rd.* *Branford, Connecticut 06405* *New Haven County*
	Latitude:	*41.274861°*
	Longitude:	*-72.793078°*
Structure Information	*Tower Type:*	*124.00-Ft Monopole*
	Mount Type:	*12.00-Ft T-Arm*

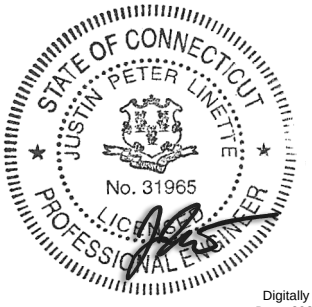
FUZE ID # 16244631

Analysis Results

T-Arm: **98.5% Pass**

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

Report Prepared By: Abigail Enriquez



Digitally signed by Justin Linette
Date: 2021.05.04 22:42:01-04'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 812313, dated March 16, 2021*
Mount Mapping Report	*RKS Design & Engineering LLC., Site ID: ATC: 283419, dated March 31, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	122 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.999
Seismic Parameters:	S_S:	0.201
	S_1:	0.053
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
101.50	102.00	6	Commscope	JAHH-65B-R3B	Added
		3	Samsung	MT6407-77A	
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		4	Amphenol Antel	LPA-80063-6CF-EDIN-2	Retained
		1	Raycap	RCMDC-6627-PF-48*	
		2	Swedcom	SCE6016REV2	

* Equipment is flush mounted directly to the monopole. They are not mounted on T-Arm mounts and are not included in this mount analysis.

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Tieback	*12.9%*	Pass
Antenna Pipe	*42.3%*	Pass
Dual Mount Pipe	*25.4%*	Pass
Horizontal	*98.5%*	Pass
Standoff Pipe	*0.0%*	Pass
Standoff Arm	*69.4%*	Pass
Connection check	76.0%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**98.5%**

The mount has been found structurally adequate for all steel and external connection capacities. Serviceability in accordance with TIA-222-H Section 4.9.11.3 has not been considered

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


2021. 3.3

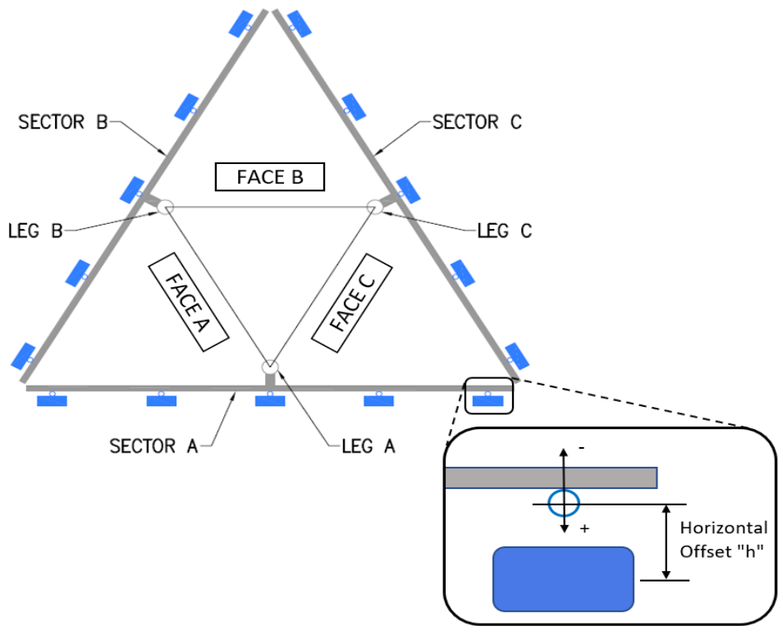
V3.0 Updated on 8-31-2020

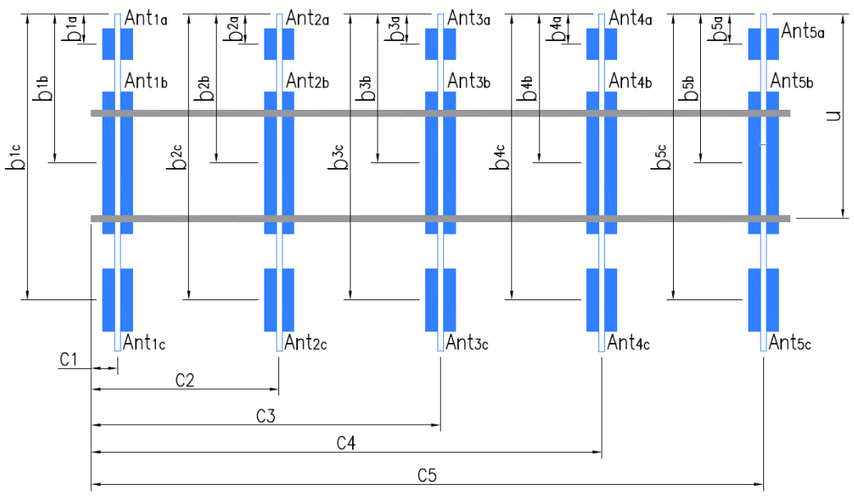
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1278566

Tower Owner:	AMERICAN TOWER CORPORATION	**Mapping Date:**	3/31/2021
Site Name:	ATC: PINE ORCHARD BRANFORD; VZW: BRANFORD WEST CT	**Tower Type:**	Monopole
Site Number or ID:	ATC: 283419	**Tower Height (Ft.):**	124
Mapping Contractor:	RKS Design & Engineering LLC	**Mount Elevation (Ft.):**	102

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 0.16" X 96" LONG	48.25	3.75	C1	PIPE 2.375"Ø X 0.16" X 96" LONG	48.25	3.75
A2	PIPE 2.375"Ø X 0.16" X 96" LONG	48.25	29.75	C2	PIPE 2.375"Ø X 0.16" X 96" LONG	48.25	29.75
A3	PIPE 2.375"Ø X 0.16" X 103" LON	37.00	80.75	C3	PIPE 2.375"Ø X 0.16" X 103" LONG	37.00	80.75
A4	PIPE 2.375"Ø X 0.16" X 96" LONG	48.25	139.25	C4	PIPE 2.375"Ø X 0.16" X 96" LONG	48.25	139.25
A5				C5			
A6				C6			
B1	PIPE 2.375"Ø X 0.16" X 96" LONG	48.25	3.75	D1			
B2	PIPE 2.375"Ø X 0.16" X 96" LONG	48.25	29.75	D2			
B3	PIPE 2.375"Ø X 0.16" X 103" LON	37.00	80.75	D3			
B4	PIPE 2.375"Ø X 0.16" X 96" LONG	48.25	139.25	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.) :	6.5

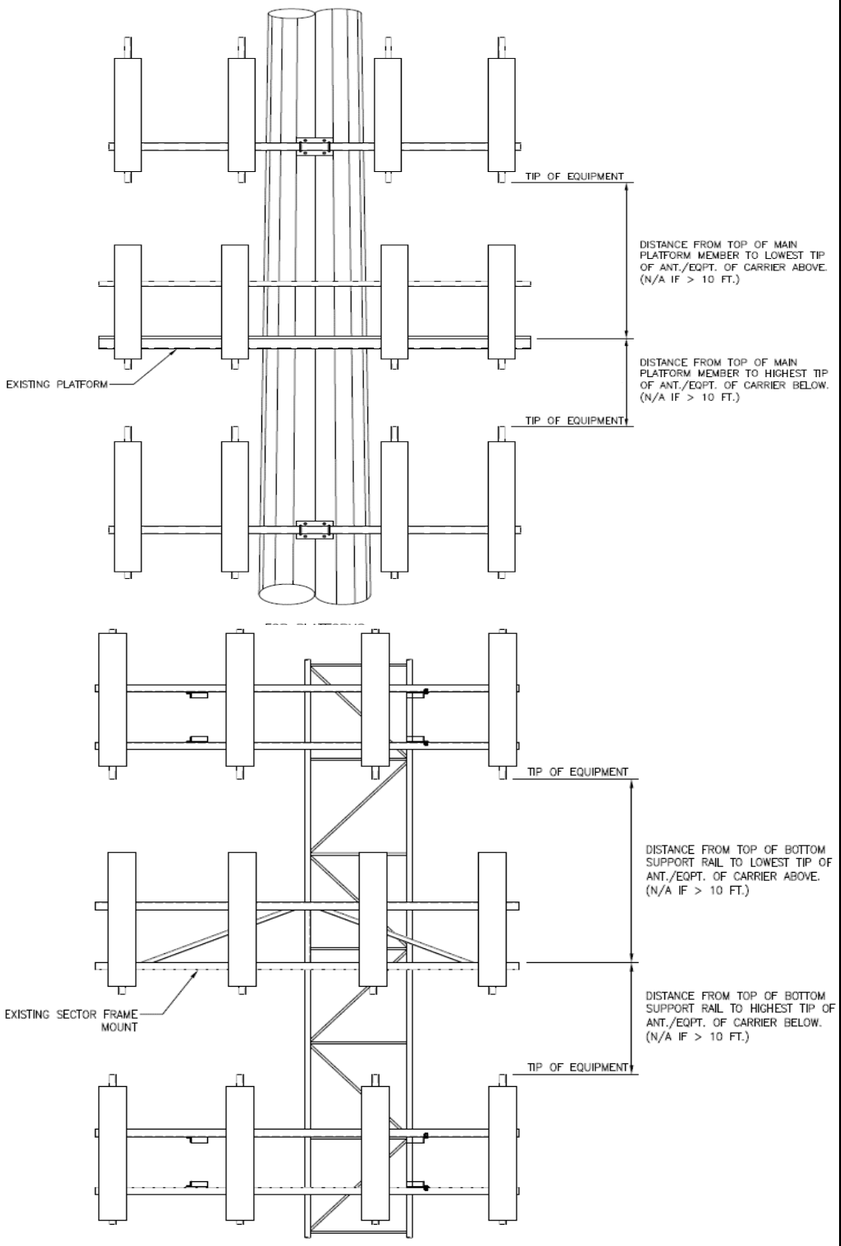
Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	25.75

	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}	SC-E 6016 REV2	8.50	8.00	86.00		102.104	47.00	14.50	50.00	15, 202
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	B13 RRH4X30	11.80	7.50	20.90		104.125	11.50	-7.50		15, 203
Ant_{3b}	(2)SBNHH-1D65B	11.90	7.10	72.00		102.083	36.00	9.00	50.00	15, 203
Ant_{3c}	B66A RRH4X45 (UHIE	11.80	7.20	25.80		100.083	60.00	-7.50		15, 203
Ant_{4a}										
Ant_{4b}	SC-E 6016 REV2	8.50	8.00	86.00		102.354	44.00	14.50	50.00	15, 204
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	40.00	Deg	Leg A:		Deg
Sector B:	130.00	Deg	Leg B:		Deg
Sector C:	210.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

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



Sector B										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF-EDIN-	15.20	13.10	71.10		102.396	43.50	15.00	140.00	22, 205
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	B13 RRH4X30	11.80	7.50	20.90		104.125	11.50	-7.50		22, 206
Ant_{3b}	(2)SBNHH-1D65B	11.90	7.10	72.00		102.083	36.00	9.00	140.00	22, 206
Ant_{3c}	B66A RRH4X45 (UHIE	11.80	7.20	25.80		100.083	60.00	-7.50		22, 206
Ant_{4a}										
Ant_{4b}	LPA-80063-6CF-EDIN-	15.20	13.10	71.10		102.396	43.50	15.00	140.00	22, 207
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}	LPA-80063-6CF-EDIN-	15.20	13.10	71.10		102.396	43.50	15.00	220.00	29, 208
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	B13 RRH4X30	11.80	7.50	20.90		104.125	11.50	-7.50		29, 209
Ant_{3b}	(2)SBNHH-1D65B	11.90	7.10	72.00		102.083	36.00	9.00	220.00	29, 209
Ant_{3c}	B66A RRH4X45 (UHIE	11.80	7.20	25.80		100.083	60.00	-7.50		29, 209
Ant_{4a}										
Ant_{4b}	LPA-80063-6CF-EDIN-	15.20	13.10	71.10		102.396	43.50	15.00	220.00	29, 210
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RCMDC-6627-PF-48	16.50	12.60	29.50			20.00	8.00		29, 394
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 (14): (12) FH 1-5/8, (2) 1.50"Ø	
2		
3		
4		
5		
6		
7		
8		

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

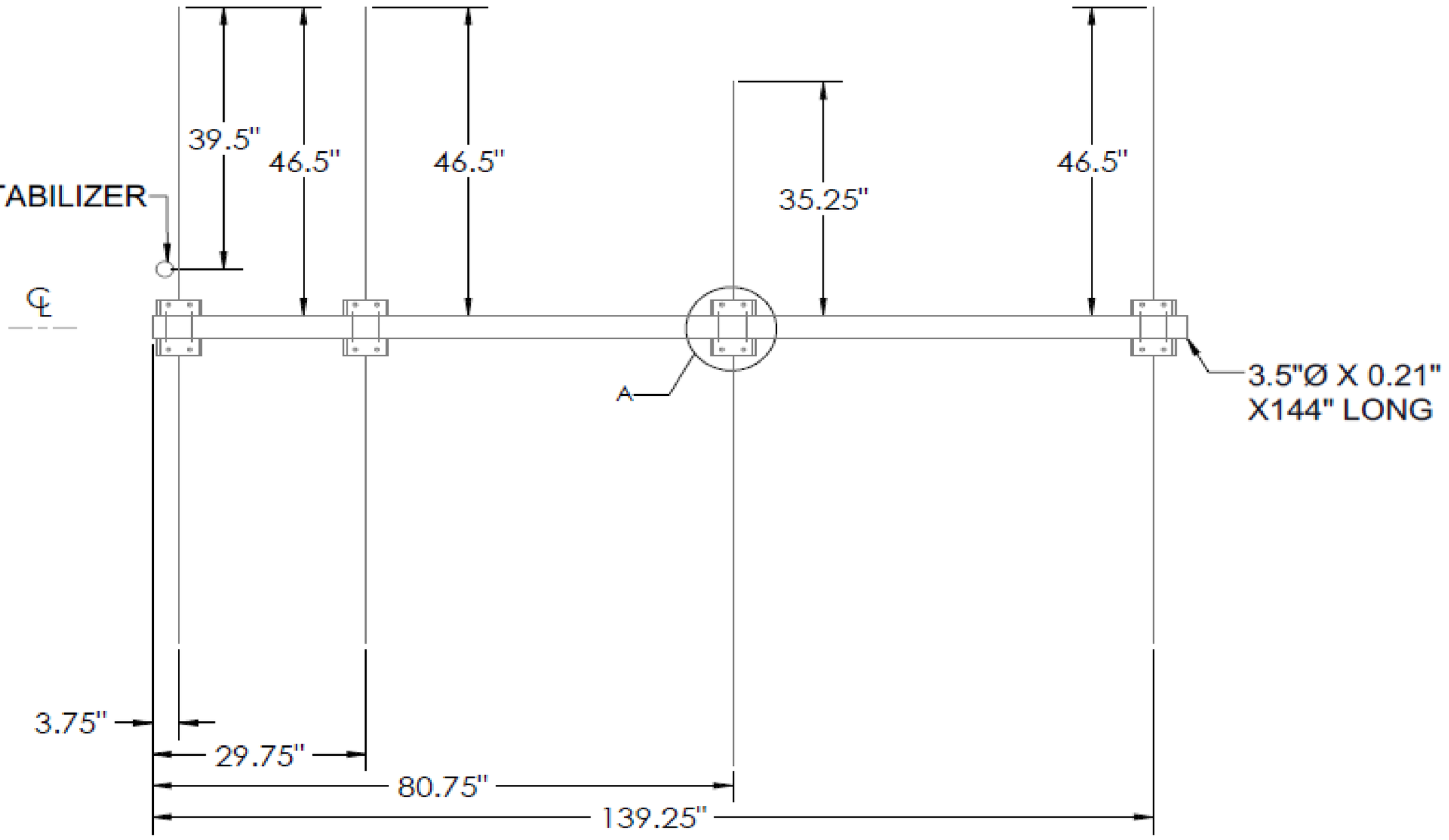
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

Antenna Mount Mapping Form (PATENT PENDING)

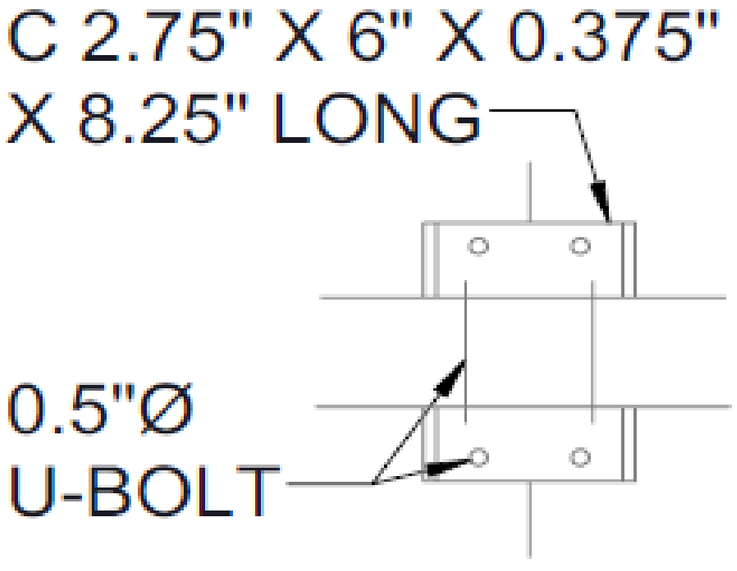
FCC #
1278566

Tower Owner:	AMERICAN TOWER CORPORATION	**Mapping Date:**	3/31/2021
Site Name:	ATC: PINE ORCHARD BRANFORD; VZW: BRANFORD WEST CT	**Tower Type:**	Monopole
Site Number or ID:	ATC: 283419	**Tower Height (Ft.):**	124
Mapping Contractor:	RKS Design & Engineering LLC	**Mount Elevation (Ft.):**	102

Please Insert Sketches of the Antenna Mount

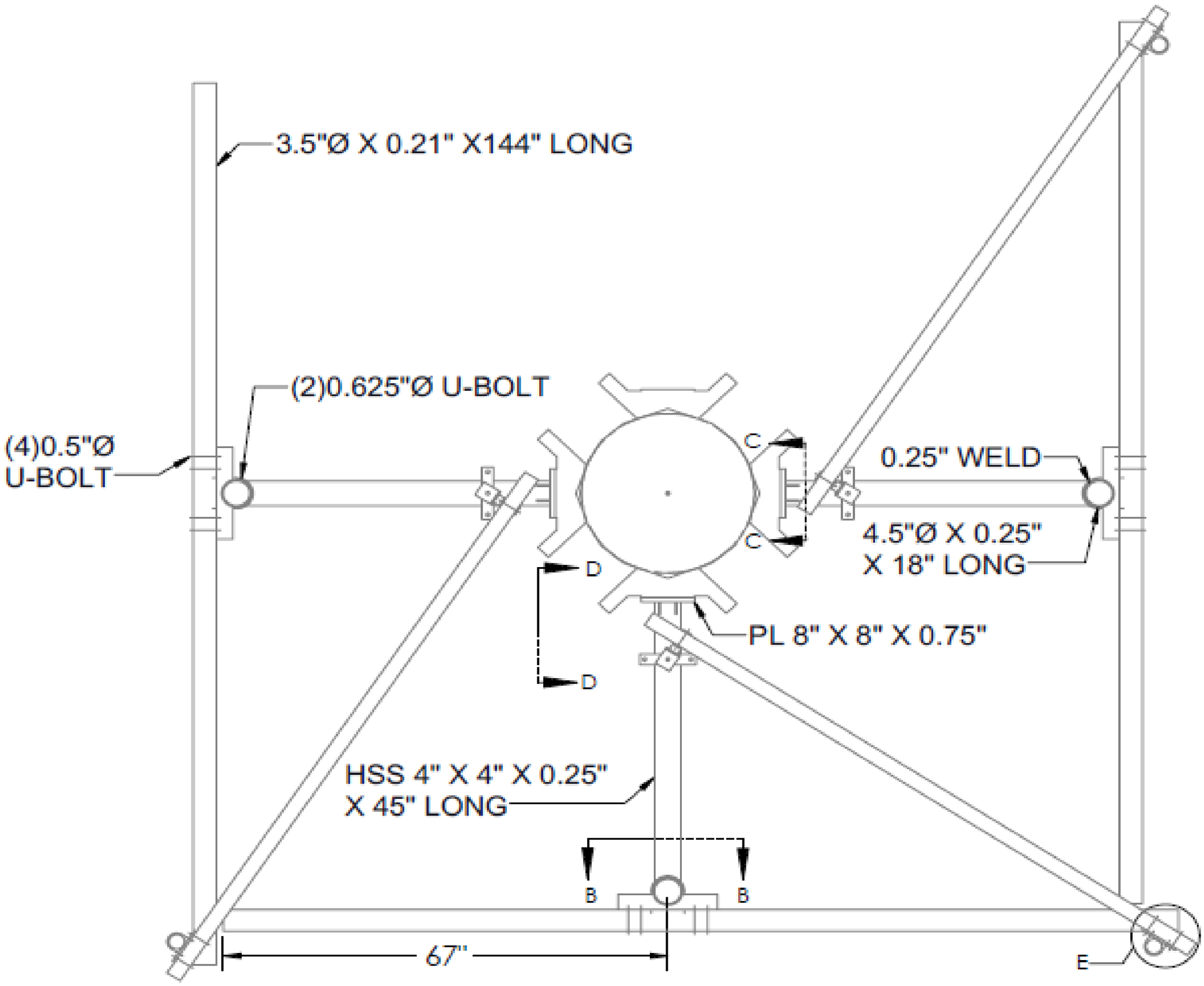


SECTOR A, B & C

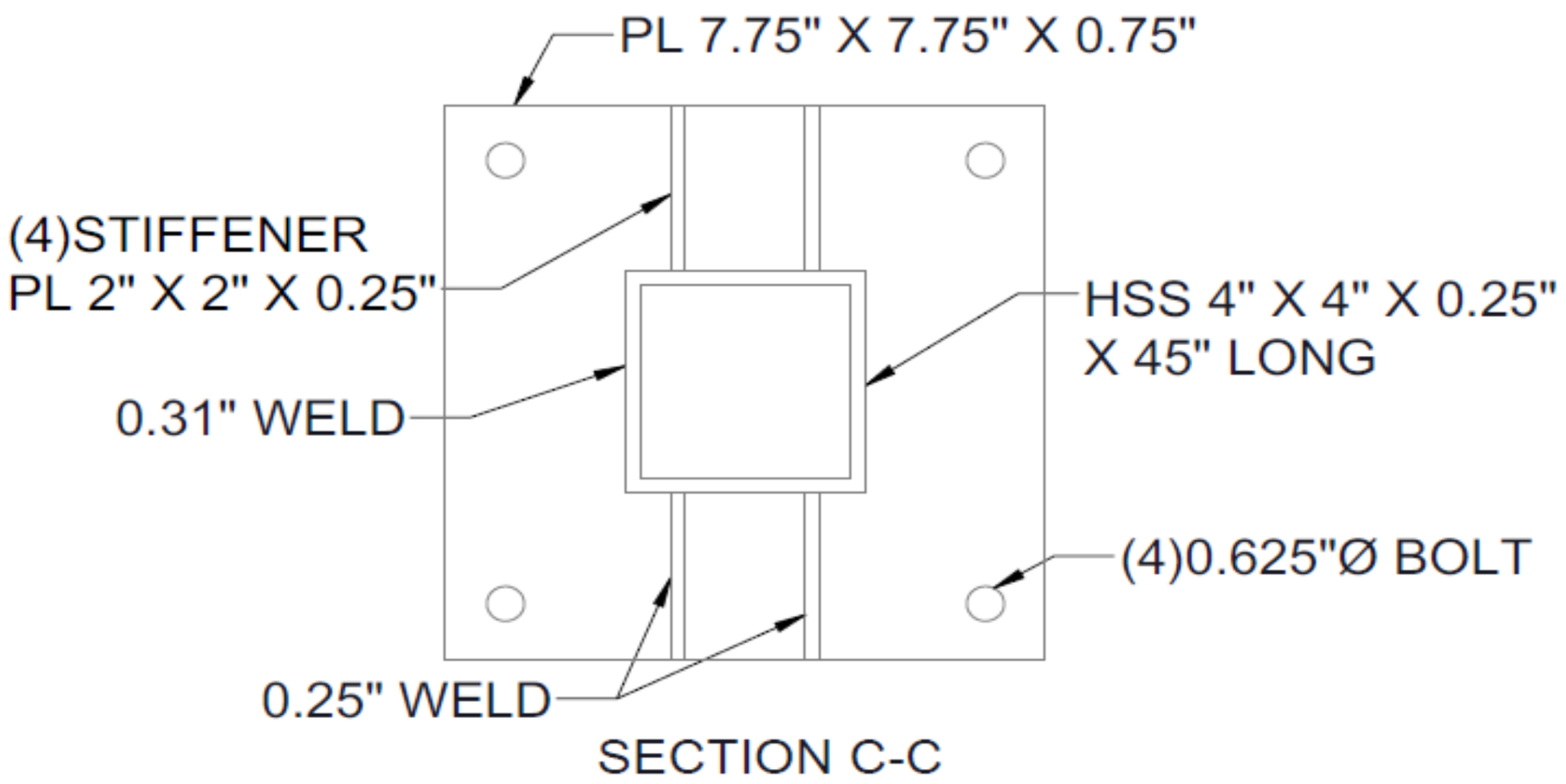


DETAIL A

Please Insert Sketches of the Antenna Mount, cont'd

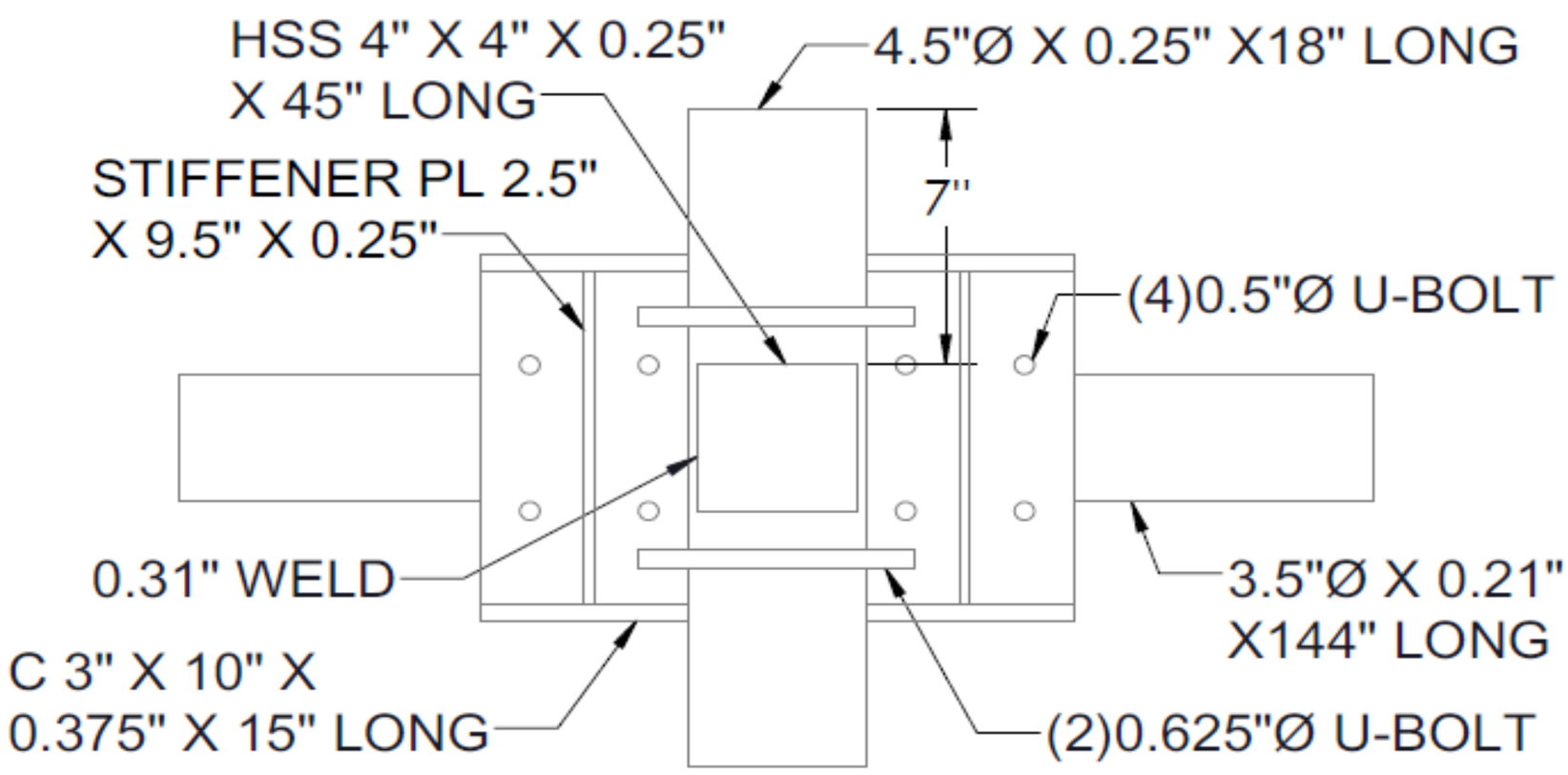


MOUNT PLAN VIEW

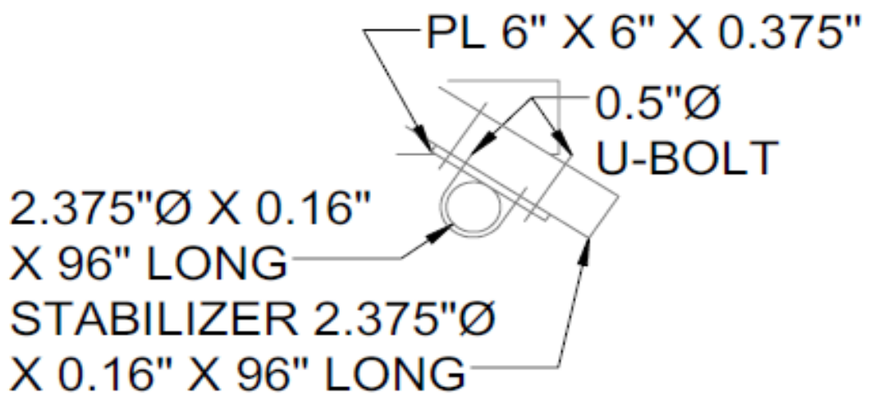


SECTION C-C

Please Insert Sketches of the Antenna Mount, cont'd

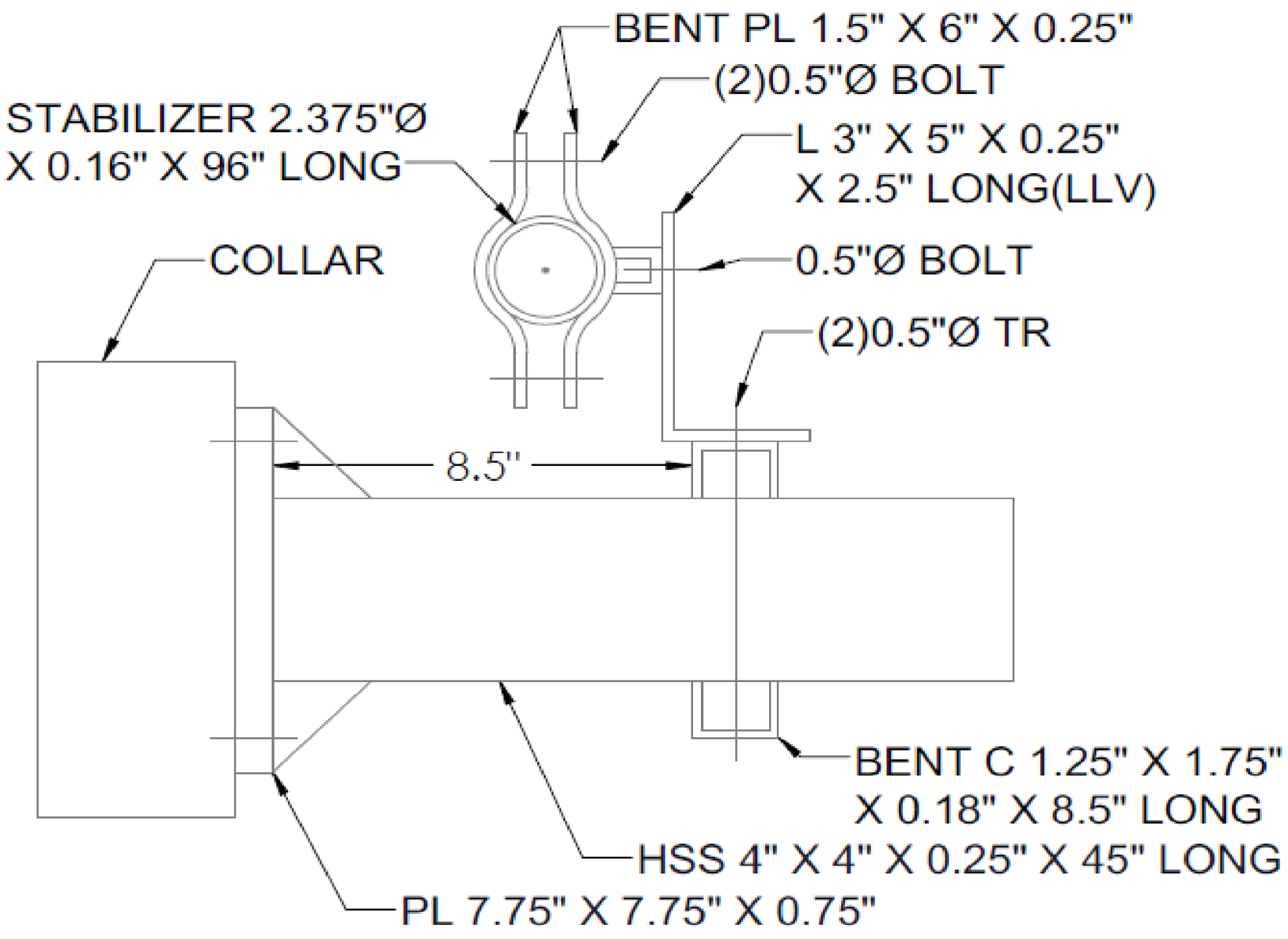


SECTION B-B



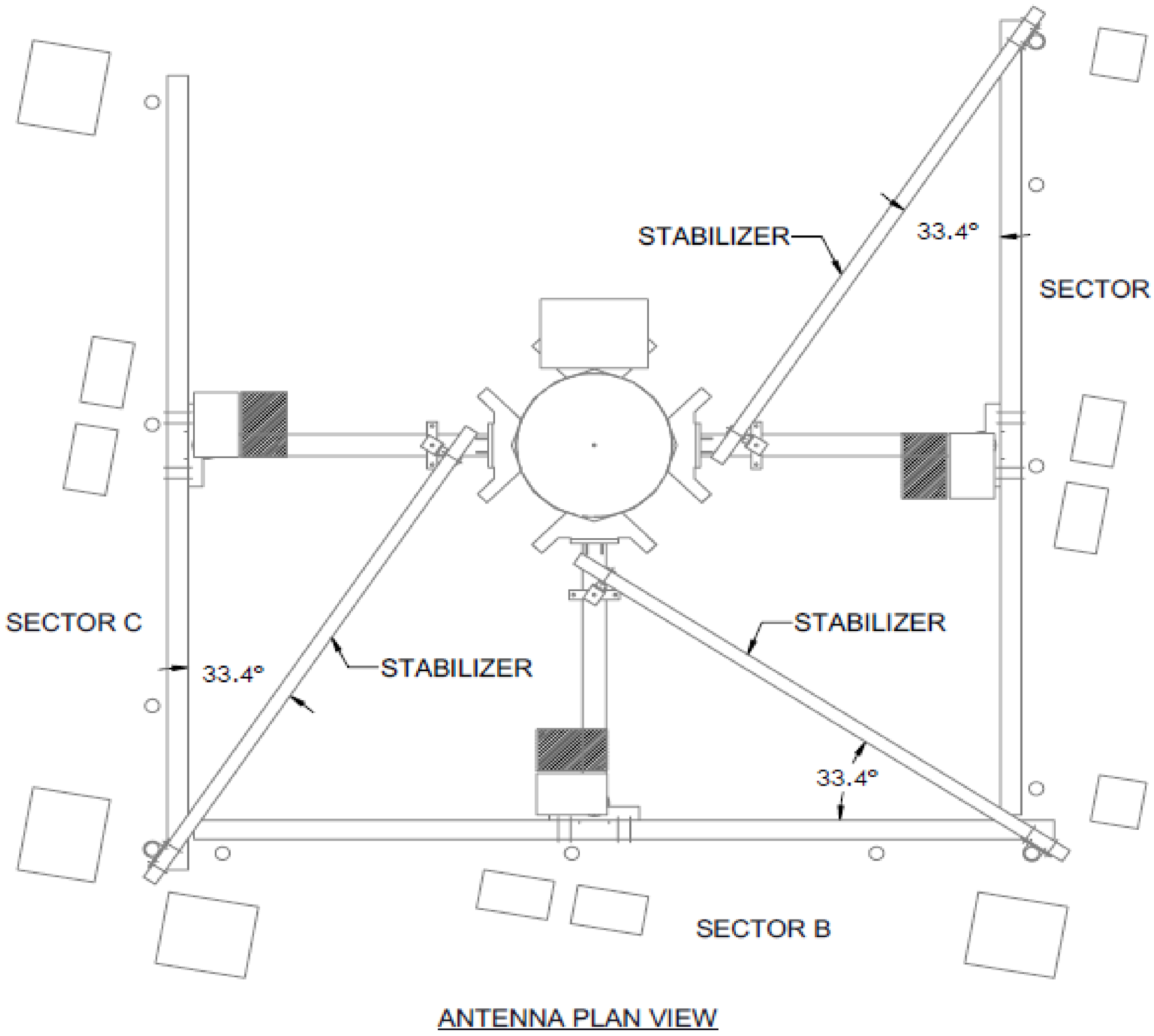
DETAIL E

STABILIZER CONNECTION ON MOUNT PIPE

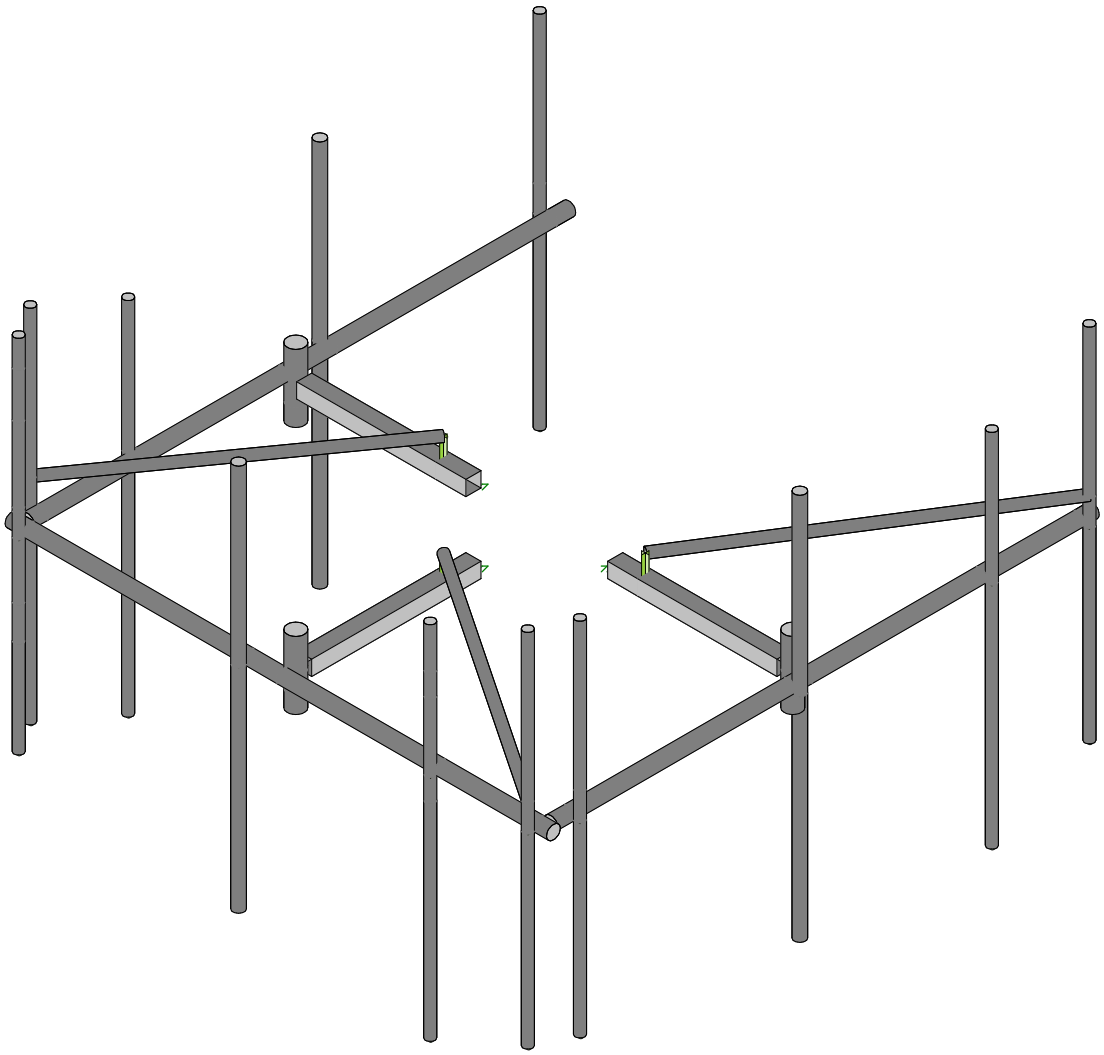


SECTION D-D

Please Insert Sketches of the Antenna Mount, cont'd

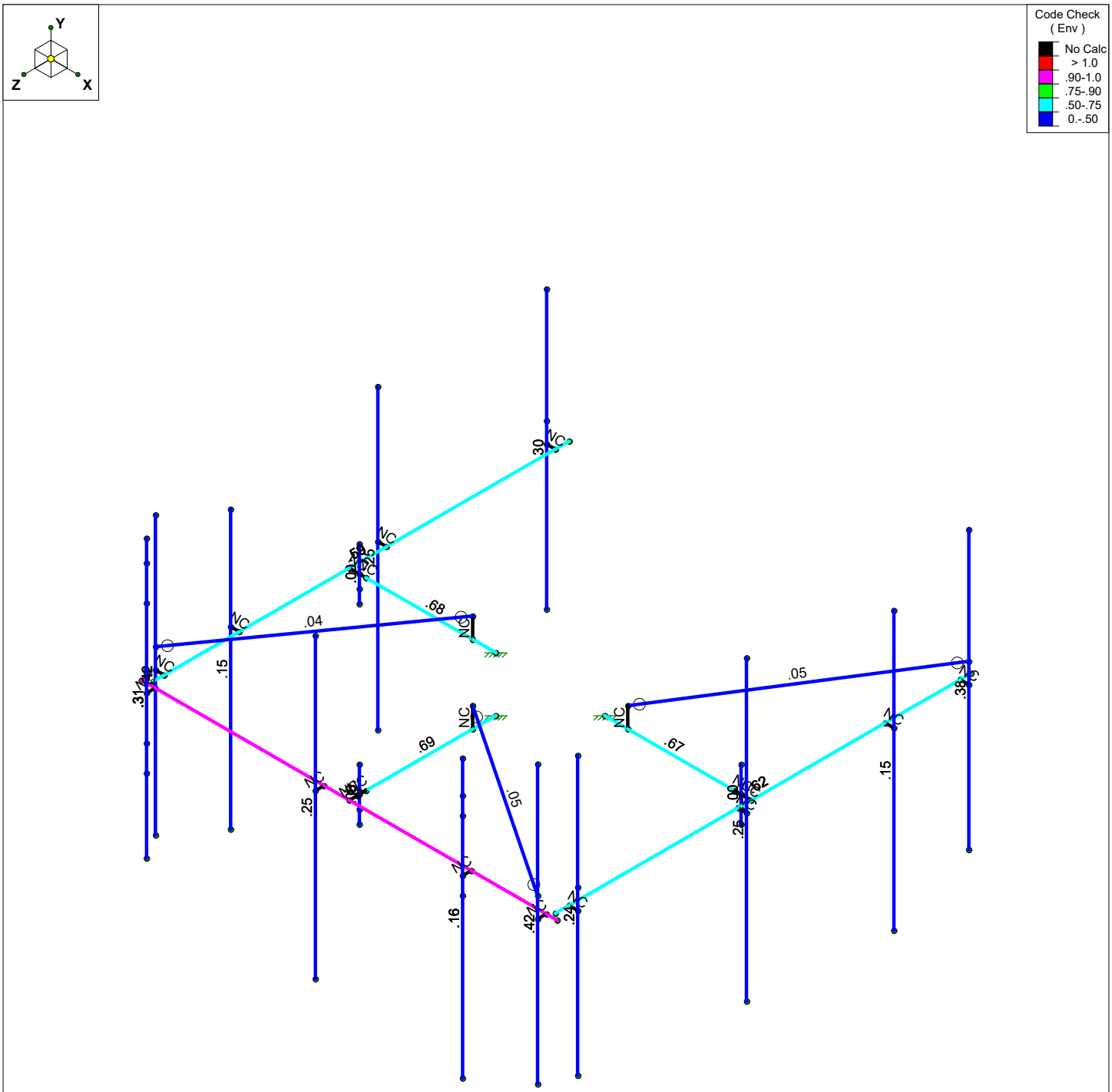


ANTENNA PLAN VIEW



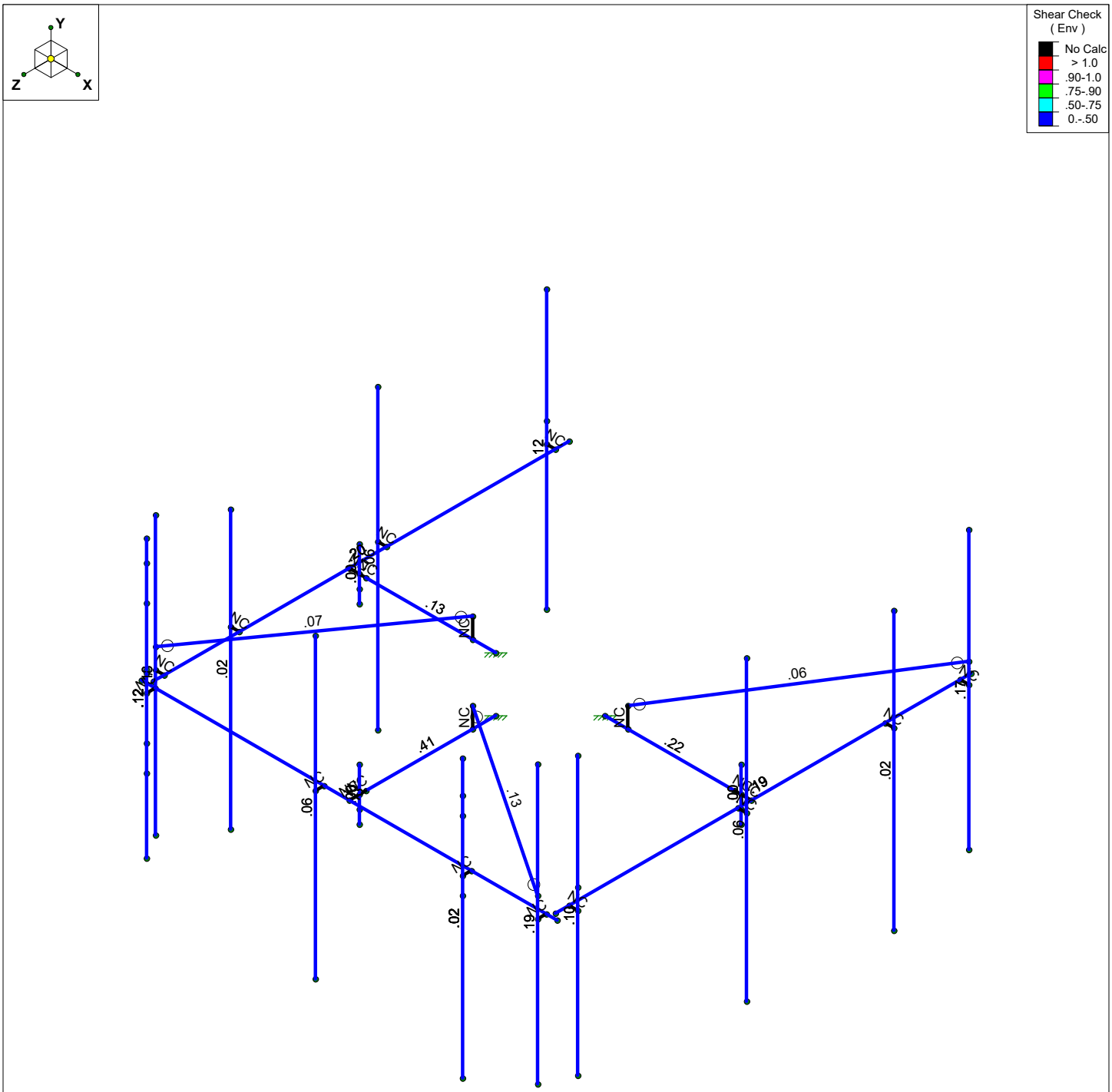
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 1
AE		May 3, 2021 at 4:27 PM
21777426A		467164-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 2
AE		May 3, 2021 at 4:28 PM
21777426A		467164-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 3
AE		May 3, 2021 at 4:28 PM
21777426A		467164-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					117			
2	Antenna Di	None					117			
3	Antenna Wo (0 Deg)	None					117			
4	Antenna Wo (30 Deg)	None					117			
5	Antenna Wo (60 Deg)	None					117			
6	Antenna Wo (90 Deg)	None					117			
7	Antenna Wo (120 Deg)	None					117			
8	Antenna Wo (150 Deg)	None					117			
9	Antenna Wo (180 Deg)	None					117			
10	Antenna Wo (210 Deg)	None					117			
11	Antenna Wo (240 Deg)	None					117			
12	Antenna Wo (270 Deg)	None					117			
13	Antenna Wo (300 Deg)	None					117			
14	Antenna Wo (330 Deg)	None					117			
15	Antenna Wi (0 Deg)	None					117			
16	Antenna Wi (30 Deg)	None					117			
17	Antenna Wi (60 Deg)	None					117			
18	Antenna Wi (90 Deg)	None					117			
19	Antenna Wi (120 Deg)	None					117			
20	Antenna Wi (150 Deg)	None					117			
21	Antenna Wi (180 Deg)	None					117			
22	Antenna Wi (210 Deg)	None					117			
23	Antenna Wi (240 Deg)	None					117			
24	Antenna Wi (270 Deg)	None					117			
25	Antenna Wi (300 Deg)	None					117			
26	Antenna Wi (330 Deg)	None					117			
27	Antenna Wm (0 Deg)	None					117			
28	Antenna Wm (30 Deg)	None					117			
29	Antenna Wm (60 Deg)	None					117			
30	Antenna Wm (90 Deg)	None					117			
31	Antenna Wm (120 Deg)	None					117			
32	Antenna Wm (150 Deg)	None					117			
33	Antenna Wm (180 Deg)	None					117			
34	Antenna Wm (210 Deg)	None					117			
35	Antenna Wm (240 Deg)	None					117			
36	Antenna Wm (270 Deg)	None					117			
37	Antenna Wm (300 Deg)	None					117			
38	Antenna Wm (330 Deg)	None					117			
39	Structure D	None		-1						
40	Structure Di	None						24		
41	Structure Wo (0 Deg)	None						48		
42	Structure Wo (30 Deg)	None						48		
43	Structure Wo (60 Deg)	None						48		
44	Structure Wo (90 Deg)	None						48		
45	Structure Wo (120 D...	None						48		
46	Structure Wo (150 D...	None						48		
47	Structure Wo (180 D...	None						48		
48	Structure Wo (210 D...	None						48		
49	Structure Wo (240 D...	None						48		
50	Structure Wo (270 D...	None						48		
51	Structure Wo (300 D...	None						48		
52	Structure Wo (330 D...	None						48		
53	Structure Wi (0 Deg)	None						48		
54	Structure Wi (30 Deg)	None						48		
55	Structure Wi (60 Deg)	None						48		
56	Structure Wi (90 Deg)	None						48		

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						48		
58	Structure Wi (150 De...	None						48		
59	Structure Wi (180 De...	None						48		
60	Structure Wi (210 De...	None						48		
61	Structure Wi (240 De...	None						48		
62	Structure Wi (270 De...	None						48		
63	Structure Wi (300 De...	None						48		
64	Structure Wi (330 De...	None						48		
65	Structure Wm (0 Deg)	None						48		
66	Structure Wm (30 De...	None						48		
67	Structure Wm (60 De...	None						48		
68	Structure Wm (90 De...	None						48		
69	Structure Wm (120 D...	None						48		
70	Structure Wm (150 D...	None						48		
71	Structure Wm (180 D...	None						48		
72	Structure Wm (210 D...	None						48		
73	Structure Wm (240 D...	None						48		
74	Structure Wm (270 D...	None						48		
75	Structure Wm (300 D...	None						48		
76	Structure Wm (330 D...	None						48		
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	-2.03125	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	0	2.197917	0	
7	N7	-6	0	2.197917	0	
8	N11	5.6875	0	2.197917	0	
9	N12	5.6875	0	2.447917	0	
10	N13	5.6875	3.875	2.447917	0	
11	N14	5.6875	-4.125	2.447917	0	
12	N21	0.	-.375	1.90625	0	
13	N20	0.	0	1.71875	0	
14	N21A	0.	0	-2.53125	0	
15	N22	0	0	-3.604167	0	
16	N16	3.520833	0	2.197917	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
17	N17	3.520833	0	2.447917	0	
18	N18	3.520833	2.9375	2.447917	0	
19	N19	3.520833	-5.0625	2.447917	0	
20	N20A	-0.729167	0	2.197917	0	
21	N21B	-0.729167	0	2.447917	0	
22	N22A	-0.729167	3.875	2.447917	0	
23	N23	-0.729167	-4.708333	2.447917	0	
24	N24	-5.604167	0	2.197917	0	
25	N25	-5.604167	0	2.447917	0	
26	N26	-5.604167	3.875	2.447917	0	
27	N27	-5.604167	-4.125	2.447917	0	
28	N28	-5.604167	0.583333	2.447917	0	
29	N29	1.572917	0	-3.604167	0	
30	N30	5.510417	0	-3.604167	0	
31	N31	5.510417	-.75	-3.604167	0	
32	N32	5.510417	.75	-3.604167	0	
33	N33	5.802083	0	-3.604167	0	
34	N34	5.802083	0	-9.947917	0	
35	N35	5.802083	0	2.052083	0	
36	N36	5.802083	0	-9.635417	0	
37	N37	6.052083	0	-9.635417	0	
38	N38	6.052083	3.875	-9.635417	0	
39	N39	6.052083	-4.125	-9.635417	0	
40	N40	5.510417	-.375	-3.604167	0	
41	N41	5.322917	0	-3.604167	0	
42	N43	5.802083	0	-7.46875	0	
43	N44	6.052083	0	-7.46875	0	
44	N45	6.052083	2.9375	-7.46875	0	
45	N46	6.052083	-5.0625	-7.46875	0	
46	N47	5.802083	0	-3.21875	0	
47	N48	6.052083	0	-3.21875	0	
48	N49	6.052083	3.875	-3.21875	0	
49	N50	6.052083	-4.708333	-3.21875	0	
50	N51	5.802083	0	1.65625	0	
51	N52	6.052083	0	1.65625	0	
52	N53	6.052083	3.875	1.65625	0	
53	N54	6.052083	-4.125	1.65625	0	
54	N55	6.052083	0.583333	1.65625	0	
55	N55A	-1.572917	0	-3.604167	0	
56	N56	-5.510417	0	-3.604167	0	
57	N57	-5.510417	-.75	-3.604167	0	
58	N58	-5.510417	.75	-3.604167	0	
59	N59	-5.802083	0	-3.604167	0	
60	N60	-5.802083	0	2.052083	0	
61	N61	-5.802083	0	-9.947917	0	
62	N62	-5.802083	0	1.739583	0	
63	N63	-6.052083	0	1.739583	0	
64	N64	-6.052083	3.875	1.739583	0	
65	N65	-6.052083	-4.125	1.739583	0	
66	N66	-5.510417	-.375	-3.604167	0	
67	N67	-5.322917	0	-3.604167	0	
68	N69	-5.802083	0	-0.427083	0	
69	N70	-6.052083	0	-0.427083	0	
70	N71	-6.052083	2.9375	-0.427083	0	
71	N72	-6.052083	-5.0625	-0.427083	0	
72	N73	-5.802083	0	-4.677083	0	
73	N74	-6.052083	0	-4.677083	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
74	N75	-6.052083	3.875	-4.677083	0	
75	N76	-6.052083	-4.708333	-4.677083	0	
76	N77	-5.802083	0	-9.552083	0	
77	N78	-6.052083	0	-9.552083	0	
78	N79	-6.052083	3.875	-9.552083	0	
79	N80	-6.052083	-4.125	-9.552083	0	
80	N81	-6.052083	0.583333	-9.552083	0	
81	N81A	0.	0	-1.364583	0	
82	N82	-2.239583	0	-3.604167	0	
83	N83	2.239583	0	-3.604167	0	
84	N84	0.	0.583333	-1.364583	0	
85	N85	-2.239583	0.583333	-3.604167	0	
86	N86	2.239583	0.583333	-3.604167	0	
87	N87	5.6875	0.583333	2.447917	0	
88	N88	6.052083	0.583333	-9.635417	0	
89	N89	-6.052083	0.583333	1.739583	0	
90	N90	-5.604167	3.25	2.447917	0	
91	N91	-5.604167	-2	2.447917	0	
92	N92	-5.604167	.5	2.447917	0	
93	N93	-5.604167	2.25	2.447917	0	
94	N94	-5.604167	-1.25	2.447917	0	
95	N95	3.520833	1.5	2.447917	0	
96	N96	3.520833	-.5	2.447917	0	
97	N97	3.520833	2	2.447917	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	Dual Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
3	Tieback	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

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	N20			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	MP1B	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

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
7	M11	N2	N20			RIGID	None	None	RIGID	Typical
8	MP2B	N18	N19			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
9	M9	N16	N17			RIGID	None	None	RIGID	Typical
10	MP3B	N22A	N23			Dual Mount Pipe	Column	Pipe	A53 Gr. B	Typical
11	M11A	N20A	N21B			RIGID	None	None	RIGID	Typical
12	MP4B	N26	N27			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
13	M13	N24	N25			RIGID	None	None	RIGID	Typical
14	M14	N29	N41			Standoff Arm	Beam	Tube	A500 Gr.46	Typical
15	M15	N32	N31		270	Standoff Pipe	Column	Pipe	A53 Gr. B	Typical
16	M16	N35	N34			Horizontal	Column	Pipe	A53 Gr. B	Typical
17	MP1A	N38	N39		270	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
18	M18	N36	N37			RIGID	None	None	RIGID	Typical
19	M19	N30	N33			RIGID	None	None	RIGID	Typical
20	M20	N30	N41			RIGID	None	None	RIGID	Typical
21	MP2A	N45	N46		270	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
22	M22	N43	N44			RIGID	None	None	RIGID	Typical
23	MP3A	N49	N50		270	Dual Mount Pipe	Column	Pipe	A53 Gr. B	Typical
24	M24	N47	N48			RIGID	None	None	RIGID	Typical
25	MP4A	N53	N54		270	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
26	M26	N51	N52			RIGID	None	None	RIGID	Typical
27	M27	N55A	N67			Standoff Arm	Beam	Tube	A500 Gr.46	Typical
28	M28	N58	N57		90	Standoff Pipe	Column	Pipe	A53 Gr. B	Typical
29	M29	N61	N60			Horizontal	Column	Pipe	A53 Gr. B	Typical
30	MP1C	N64	N65		90	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
31	M31	N62	N63			RIGID	None	None	RIGID	Typical
32	M32	N56	N59			RIGID	None	None	RIGID	Typical
33	M33	N56	N67			RIGID	None	None	RIGID	Typical
34	MP2C	N71	N72		90	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
35	M35	N69	N70			RIGID	None	None	RIGID	Typical
36	MP3C	N75	N76		90	Dual Mount Pipe	Column	Pipe	A53 Gr. B	Typical
37	M37	N73	N74			RIGID	None	None	RIGID	Typical
38	MP4C	N79	N80		90	Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
39	M39	N77	N78			RIGID	None	None	RIGID	Typical
40	M40	N81A	N84			RIGID	None	None	RIGID	Typical
41	M41	N82	N85			RIGID	None	None	RIGID	Typical
42	M42	N83	N86			RIGID	None	None	RIGID	Typical
43	M43	N88	N86			Tieback	Column	Pipe	A53 Gr. B	Typical
44	M44	N87	N84			Tieback	Column	Pipe	A53 Gr. B	Typical
45	M45	N89	N85			Tieback	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
3	M4						Yes	** NA **			None
4	MP1B						Yes	** NA **			None
5	M8						Yes	** NA **			None
6	M10A						Yes	** NA **			None
7	M11						Yes	** NA **			None
8	MP2B						Yes	** NA **			None
9	M9						Yes	** NA **			None
10	MP3B						Yes	** NA **			None
11	M11A						Yes	** NA **			None
12	MP4B						Yes	** NA **			None
13	M13						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...
14	M14						Yes	Default			None
15	M15						Yes	** NA **			None
16	M16						Yes	** NA **			None
17	MP1A						Yes	** NA **			None
18	M18						Yes	** NA **			None
19	M19						Yes	** NA **			None
20	M20						Yes	** NA **			None
21	MP2A						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	MP3A						Yes	** NA **			None
24	M24						Yes	** NA **			None
25	MP4A						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	Default			None
28	M28						Yes	** NA **			None
29	M29						Yes	** NA **			None
30	MP1C						Yes	** NA **			None
31	M31						Yes	** NA **			None
32	M32						Yes	** NA **			None
33	M33						Yes	** NA **			None
34	MP2C						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	MP3C						Yes	** NA **			None
37	M37						Yes	** NA **			None
38	MP4C						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	BenPIN	BenPIN				Yes	** NA **			None
44	M44	BenPIN	BenPIN				Yes	** NA **			None
45	M45	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-31.65	1.63
2	MP3A	My	.024	1.63
3	MP3A	Mz	.024	1.63
4	MP3A	Y	-31.65	5.13
5	MP3A	My	.024	5.13
6	MP3A	Mz	.024	5.13
7	MP3B	Y	-31.65	1.63
8	MP3B	My	-.024	1.63
9	MP3B	Mz	.024	1.63
10	MP3B	Y	-31.65	5.13
11	MP3B	My	-.024	5.13
12	MP3B	Mz	.024	5.13
13	MP3C	Y	-31.65	1.63
14	MP3C	My	-.019	1.63
15	MP3C	Mz	-.027	1.63
16	MP3C	Y	-31.65	5.13
17	MP3C	My	-.019	5.13
18	MP3C	Mz	-.027	5.13
19	MP3A	Y	-31.65	1.63
20	MP3A	My	-.024	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mz	.024	1.63
22	MP3A	Y	-31.65	5.13
23	MP3A	My	-.024	5.13
24	MP3A	Mz	.024	5.13
25	MP3B	Y	-31.65	1.63
26	MP3B	My	-.024	1.63
27	MP3B	Mz	-.024	1.63
28	MP3B	Y	-31.65	5.13
29	MP3B	My	-.024	5.13
30	MP3B	Mz	-.024	5.13
31	MP3C	Y	-31.65	1.63
32	MP3C	My	.027	1.63
33	MP3C	Mz	-.019	1.63
34	MP3C	Y	-31.65	5.13
35	MP3C	My	.027	5.13
36	MP3C	Mz	-.019	5.13
37	MP2A	Y	-43.55	1.43
38	MP2A	My	0	1.43
39	MP2A	Mz	.022	1.43
40	MP2A	Y	-43.55	3.43
41	MP2A	My	0	3.43
42	MP2A	Mz	.022	3.43
43	MP2B	Y	-43.55	1.43
44	MP2B	My	-.022	1.43
45	MP2B	Mz	0	1.43
46	MP2B	Y	-43.55	3.43
47	MP2B	My	-.022	3.43
48	MP2B	Mz	0	3.43
49	MP2C	Y	-43.55	1.43
50	MP2C	My	.004	1.43
51	MP2C	Mz	-.021	1.43
52	MP2C	Y	-43.55	3.43
53	MP2C	My	.004	3.43
54	MP2C	Mz	-.021	3.43
55	MP1B	Y	-13.5	.63
56	MP1B	My	-.017	.63
57	MP1B	Mz	0	.63
58	MP1B	Y	-13.5	5.88
59	MP1B	My	-.017	5.88
60	MP1B	Mz	0	5.88
61	MP1C	Y	-13.5	.63
62	MP1C	My	.003	.63
63	MP1C	Mz	-.017	.63
64	MP1C	Y	-13.5	5.88
65	MP1C	My	.003	5.88
66	MP1C	Mz	-.017	5.88
67	MP4B	Y	-13.5	.63
68	MP4B	My	-.017	.63
69	MP4B	Mz	0	.63
70	MP4B	Y	-13.5	5.88
71	MP4B	My	-.017	5.88
72	MP4B	Mz	0	5.88
73	MP4C	Y	-13.5	.63
74	MP4C	My	.003	.63
75	MP4C	Mz	-.017	.63
76	MP4C	Y	-13.5	5.88
77	MP4C	My	.003	5.88

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP4C	Mz	-.017	5.88
79	MP1A	Y	-12.5	.63
80	MP1A	My	0	.63
81	MP1A	Mz	.015	.63
82	MP1A	Y	-12.5	5.88
83	MP1A	My	0	5.88
84	MP1A	Mz	.015	5.88
85	MP4A	Y	-12.5	.63
86	MP4A	My	0	.63
87	MP4A	Mz	.015	.63
88	MP4A	Y	-12.5	5.88
89	MP4A	My	0	5.88
90	MP4A	Mz	.015	5.88
91	MP3A	Y	-10.4	4.5
92	MP3A	My	0	4.5
93	MP3A	Mz	-.004	4.5
94	MP3B	Y	-10.4	4.5
95	MP3B	My	.004	4.5
96	MP3B	Mz	0	4.5
97	MP3C	Y	-10.4	4.5
98	MP3C	My	-.000752	4.5
99	MP3C	Mz	.004	4.5
100	MP2A	Y	-84.4	1
101	MP2A	My	0	1
102	MP2A	Mz	-.053	1
103	MP2B	Y	-84.4	1
104	MP2B	My	.053	1
105	MP2B	Mz	0	1
106	MP2C	Y	-84.4	1
107	MP2C	My	-.009	1
108	MP2C	Mz	.052	1
109	MP3A	Y	-70.3	1
110	MP3A	My	0	1
111	MP3A	Mz	-.044	1
112	MP3B	Y	-70.3	1
113	MP3B	My	.044	1
114	MP3B	Mz	0	1
115	MP3C	Y	-70.3	1
116	MP3C	My	-.008	1
117	MP3C	Mz	.043	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-67.627	1.63
2	MP3A	My	.051	1.63
3	MP3A	Mz	.051	1.63
4	MP3A	Y	-67.627	5.13
5	MP3A	My	.051	5.13
6	MP3A	Mz	.051	5.13
7	MP3B	Y	-67.627	1.63
8	MP3B	My	-.051	1.63
9	MP3B	Mz	.051	1.63
10	MP3B	Y	-67.627	5.13
11	MP3B	My	-.051	5.13
12	MP3B	Mz	.051	5.13
13	MP3C	Y	-67.627	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3C	My	-.041	1.63
15	MP3C	Mz	-.059	1.63
16	MP3C	Y	-67.627	5.13
17	MP3C	My	-.041	5.13
18	MP3C	Mz	-.059	5.13
19	MP3A	Y	-67.627	1.63
20	MP3A	My	-.051	1.63
21	MP3A	Mz	.051	1.63
22	MP3A	Y	-67.627	5.13
23	MP3A	My	-.051	5.13
24	MP3A	Mz	.051	5.13
25	MP3B	Y	-67.627	1.63
26	MP3B	My	-.051	1.63
27	MP3B	Mz	-.051	1.63
28	MP3B	Y	-67.627	5.13
29	MP3B	My	-.051	5.13
30	MP3B	Mz	-.051	5.13
31	MP3C	Y	-67.627	1.63
32	MP3C	My	.059	1.63
33	MP3C	Mz	-.041	1.63
34	MP3C	Y	-67.627	5.13
35	MP3C	My	.059	5.13
36	MP3C	Mz	-.041	5.13
37	MP2A	Y	-34.411	1.43
38	MP2A	My	0	1.43
39	MP2A	Mz	.017	1.43
40	MP2A	Y	-34.411	3.43
41	MP2A	My	0	3.43
42	MP2A	Mz	.017	3.43
43	MP2B	Y	-34.411	1.43
44	MP2B	My	-.017	1.43
45	MP2B	Mz	0	1.43
46	MP2B	Y	-34.411	3.43
47	MP2B	My	-.017	3.43
48	MP2B	Mz	0	3.43
49	MP2C	Y	-34.411	1.43
50	MP2C	My	.003	1.43
51	MP2C	Mz	-.017	1.43
52	MP2C	Y	-34.411	3.43
53	MP2C	My	.003	3.43
54	MP2C	Mz	-.017	3.43
55	MP1B	Y	-86.612	.63
56	MP1B	My	-.108	.63
57	MP1B	Mz	0	.63
58	MP1B	Y	-86.612	5.88
59	MP1B	My	-.108	5.88
60	MP1B	Mz	0	5.88
61	MP1C	Y	-86.612	.63
62	MP1C	My	.019	.63
63	MP1C	Mz	-.107	.63
64	MP1C	Y	-86.612	5.88
65	MP1C	My	.019	5.88
66	MP1C	Mz	-.107	5.88
67	MP4B	Y	-86.612	.63
68	MP4B	My	-.108	.63
69	MP4B	Mz	0	.63
70	MP4B	Y	-86.612	5.88

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP4B	My	-.108	5.88
72	MP4B	Mz	0	5.88
73	MP4C	Y	-86.612	.63
74	MP4C	My	.019	.63
75	MP4C	Mz	-.107	.63
76	MP4C	Y	-86.612	5.88
77	MP4C	My	.019	5.88
78	MP4C	Mz	-.107	5.88
79	MP1A	Y	-60.548	.63
80	MP1A	My	0	.63
81	MP1A	Mz	.073	.63
82	MP1A	Y	-60.548	5.88
83	MP1A	My	0	5.88
84	MP1A	Mz	.073	5.88
85	MP4A	Y	-60.548	.63
86	MP4A	My	0	.63
87	MP4A	Mz	.073	.63
88	MP4A	Y	-60.548	5.88
89	MP4A	My	0	5.88
90	MP4A	Mz	.073	5.88
91	MP3A	Y	-10.33	4.5
92	MP3A	My	0	4.5
93	MP3A	Mz	-.004	4.5
94	MP3B	Y	-10.33	4.5
95	MP3B	My	.004	4.5
96	MP3B	Mz	0	4.5
97	MP3C	Y	-10.33	4.5
98	MP3C	My	-.000747	4.5
99	MP3C	Mz	.004	4.5
100	MP2A	Y	-43.363	1
101	MP2A	My	0	1
102	MP2A	Mz	-.027	1
103	MP2B	Y	-43.363	1
104	MP2B	My	.027	1
105	MP2B	Mz	0	1
106	MP2C	Y	-43.363	1
107	MP2C	My	-.005	1
108	MP2C	Mz	.027	1
109	MP3A	Y	-38.987	1
110	MP3A	My	0	1
111	MP3A	Mz	-.024	1
112	MP3B	Y	-38.987	1
113	MP3B	My	.024	1
114	MP3B	Mz	0	1
115	MP3C	Y	-38.987	1
116	MP3C	My	-.004	1
117	MP3C	Mz	.024	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.63
2	MP3A	Z	-96.603	1.63
3	MP3A	Mx	-.072	1.63
4	MP3A	X	0	5.13
5	MP3A	Z	-96.603	5.13
6	MP3A	Mx	-.072	5.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3B	X	0	1.63
8	MP3B	Z	-147.085	1.63
9	MP3B	Mx	-.11	1.63
10	MP3B	X	0	5.13
11	MP3B	Z	-147.085	5.13
12	MP3B	Mx	-.11	5.13
13	MP3C	X	0	1.63
14	MP3C	Z	-98.125	1.63
15	MP3C	Mx	.085	1.63
16	MP3C	X	0	5.13
17	MP3C	Z	-98.125	5.13
18	MP3C	Mx	.085	5.13
19	MP3A	X	0	1.63
20	MP3A	Z	-96.603	1.63
21	MP3A	Mx	-.072	1.63
22	MP3A	X	0	5.13
23	MP3A	Z	-96.603	5.13
24	MP3A	Mx	-.072	5.13
25	MP3B	X	0	1.63
26	MP3B	Z	-147.085	1.63
27	MP3B	Mx	.11	1.63
28	MP3B	X	0	5.13
29	MP3B	Z	-147.085	5.13
30	MP3B	Mx	.11	5.13
31	MP3C	X	0	1.63
32	MP3C	Z	-98.125	1.63
33	MP3C	Mx	.06	1.63
34	MP3C	X	0	5.13
35	MP3C	Z	-98.125	5.13
36	MP3C	Mx	.06	5.13
37	MP2A	X	0	1.43
38	MP2A	Z	-29.708	1.43
39	MP2A	Mx	-.015	1.43
40	MP2A	X	0	3.43
41	MP2A	Z	-29.708	3.43
42	MP2A	Mx	-.015	3.43
43	MP2B	X	0	1.43
44	MP2B	Z	-75.883	1.43
45	MP2B	Mx	0	1.43
46	MP2B	X	0	3.43
47	MP2B	Z	-75.883	3.43
48	MP2B	Mx	0	3.43
49	MP2C	X	0	1.43
50	MP2C	Z	-31.101	1.43
51	MP2C	Mx	.015	1.43
52	MP2C	X	0	3.43
53	MP2C	Z	-31.101	3.43
54	MP2C	Mx	.015	3.43
55	MP1B	X	0	.63
56	MP1B	Z	-157.579	.63
57	MP1B	Mx	0	.63
58	MP1B	X	0	5.88
59	MP1B	Z	-157.579	5.88
60	MP1B	Mx	0	5.88
61	MP1C	X	0	.63
62	MP1C	Z	-139.467	.63
63	MP1C	Mx	.172	.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP1C	X	0	5.88
65	MP1C	Z	-139.467	5.88
66	MP1C	Mx	.172	5.88
67	MP4B	X	0	.63
68	MP4B	Z	-157.579	.63
69	MP4B	Mx	0	.63
70	MP4B	X	0	5.88
71	MP4B	Z	-157.579	5.88
72	MP4B	Mx	0	5.88
73	MP4C	X	0	.63
74	MP4C	Z	-139.467	.63
75	MP4C	Mx	.172	.63
76	MP4C	X	0	5.88
77	MP4C	Z	-139.467	5.88
78	MP4C	Mx	.172	5.88
79	MP1A	X	0	.63
80	MP1A	Z	-117.637	.63
81	MP1A	Mx	-.142	.63
82	MP1A	X	0	5.88
83	MP1A	Z	-117.637	5.88
84	MP1A	Mx	-.142	5.88
85	MP4A	X	0	.63
86	MP4A	Z	-117.637	.63
87	MP4A	Mx	-.142	.63
88	MP4A	X	0	5.88
89	MP4A	Z	-117.637	5.88
90	MP4A	Mx	-.142	5.88
91	MP3A	X	0	4.5
92	MP3A	Z	-8.266	4.5
93	MP3A	Mx	.003	4.5
94	MP3B	X	0	4.5
95	MP3B	Z	-11.948	4.5
96	MP3B	Mx	0	4.5
97	MP3C	X	0	4.5
98	MP3C	Z	-8.377	4.5
99	MP3C	Mx	-.003	4.5
100	MP2A	X	0	1
101	MP2A	Z	-40.363	1
102	MP2A	Mx	.025	1
103	MP2B	X	0	1
104	MP2B	Z	-60.384	1
105	MP2B	Mx	0	1
106	MP2C	X	0	1
107	MP2C	Z	-40.967	1
108	MP2C	Mx	-.025	1
109	MP3A	X	0	1
110	MP3A	Z	-32.694	1
111	MP3A	Mx	.02	1
112	MP3B	X	0	1
113	MP3B	Z	-60.384	1
114	MP3B	Mx	0	1
115	MP3C	X	0	1
116	MP3C	Z	-33.529	1
117	MP3C	Mx	-.021	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	54.612	1.63
2	MP3A	Z	-94.59	1.63
3	MP3A	Mx	-.03	1.63
4	MP3A	X	54.612	5.13
5	MP3A	Z	-94.59	5.13
6	MP3A	Mx	-.03	5.13
7	MP3B	X	67.232	1.63
8	MP3B	Z	-116.449	1.63
9	MP3B	Mx	-.138	1.63
10	MP3B	X	67.232	5.13
11	MP3B	Z	-116.449	5.13
12	MP3B	Mx	-.138	5.13
13	MP3C	X	51.254	1.63
14	MP3C	Z	-88.775	1.63
15	MP3C	Mx	.046	1.63
16	MP3C	X	51.254	5.13
17	MP3C	Z	-88.775	5.13
18	MP3C	Mx	.046	5.13
19	MP3A	X	54.612	1.63
20	MP3A	Z	-94.59	1.63
21	MP3A	Mx	-.112	1.63
22	MP3A	X	54.612	5.13
23	MP3A	Z	-94.59	5.13
24	MP3A	Mx	-.112	5.13
25	MP3B	X	67.232	1.63
26	MP3B	Z	-116.449	1.63
27	MP3B	Mx	.037	1.63
28	MP3B	X	67.232	5.13
29	MP3B	Z	-116.449	5.13
30	MP3B	Mx	.037	5.13
31	MP3C	X	51.254	1.63
32	MP3C	Z	-88.775	1.63
33	MP3C	Mx	.099	1.63
34	MP3C	X	51.254	5.13
35	MP3C	Z	-88.775	5.13
36	MP3C	Mx	.099	5.13
37	MP2A	X	20.626	1.43
38	MP2A	Z	-35.725	1.43
39	MP2A	Mx	-.018	1.43
40	MP2A	X	20.626	3.43
41	MP2A	Z	-35.725	3.43
42	MP2A	Mx	-.018	3.43
43	MP2B	X	32.17	1.43
44	MP2B	Z	-55.72	1.43
45	MP2B	Mx	-.016	1.43
46	MP2B	X	32.17	3.43
47	MP2B	Z	-55.72	3.43
48	MP2B	Mx	-.016	3.43
49	MP2C	X	17.555	1.43
50	MP2C	Z	-30.406	1.43
51	MP2C	Mx	.016	1.43
52	MP2C	X	17.555	3.43
53	MP2C	Z	-30.406	3.43
54	MP2C	Mx	.016	3.43
55	MP1B	X	76.455	.63
56	MP1B	Z	-132.424	.63
57	MP1B	Mx	-.096	.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	76.455	5.88
59	MP1B	Z	-132.424	5.88
60	MP1B	Mx	-.096	5.88
61	MP1C	X	70.544	.63
62	MP1C	Z	-122.186	.63
63	MP1C	Mx	.166	.63
64	MP1C	X	70.544	5.88
65	MP1C	Z	-122.186	5.88
66	MP1C	Mx	.166	5.88
67	MP4B	X	76.455	.63
68	MP4B	Z	-132.424	.63
69	MP4B	Mx	-.096	.63
70	MP4B	X	76.455	5.88
71	MP4B	Z	-132.424	5.88
72	MP4B	Mx	-.096	5.88
73	MP4C	X	70.544	.63
74	MP4C	Z	-122.186	.63
75	MP4C	Mx	.166	.63
76	MP4C	X	70.544	5.88
77	MP4C	Z	-122.186	5.88
78	MP4C	Mx	.166	5.88
79	MP1A	X	59.472	.63
80	MP1A	Z	-103.009	.63
81	MP1A	Mx	-.124	.63
82	MP1A	X	59.472	5.88
83	MP1A	Z	-103.009	5.88
84	MP1A	Mx	-.124	5.88
85	MP4A	X	59.472	.63
86	MP4A	Z	-103.009	.63
87	MP4A	Mx	-.124	.63
88	MP4A	X	59.472	5.88
89	MP4A	Z	-103.009	5.88
90	MP4A	Mx	-.124	5.88
91	MP3A	X	4.593	4.5
92	MP3A	Z	-7.956	4.5
93	MP3A	Mx	.003	4.5
94	MP3B	X	5.514	4.5
95	MP3B	Z	-9.55	4.5
96	MP3B	Mx	.002	4.5
97	MP3C	X	4.349	4.5
98	MP3C	Z	-7.532	4.5
99	MP3C	Mx	-.003	4.5
100	MP2A	X	22.684	1
101	MP2A	Z	-39.29	1
102	MP2A	Mx	.025	1
103	MP2B	X	27.689	1
104	MP2B	Z	-47.959	1
105	MP2B	Mx	.017	1
106	MP2C	X	21.353	1
107	MP2C	Z	-36.984	1
108	MP2C	Mx	-.025	1
109	MP3A	X	19.808	1
110	MP3A	Z	-34.309	1
111	MP3A	Mx	.021	1
112	MP3B	X	26.731	1
113	MP3B	Z	-46.299	1
114	MP3B	Mx	.017	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP3C	X	17.967	1
116	MP3C	Z	-31.119	1
117	MP3C	Mx	-.021	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	116.449	1.63
2	MP3A	Z	-67.232	1.63
3	MP3A	Mx	.037	1.63
4	MP3A	X	116.449	5.13
5	MP3A	Z	-67.232	5.13
6	MP3A	Mx	.037	5.13
7	MP3B	X	94.59	1.63
8	MP3B	Z	-54.612	1.63
9	MP3B	Mx	-.112	1.63
10	MP3B	X	94.59	5.13
11	MP3B	Z	-54.612	5.13
12	MP3B	Mx	-.112	5.13
13	MP3C	X	109.316	1.63
14	MP3C	Z	-63.113	1.63
15	MP3C	Mx	-.012	1.63
16	MP3C	X	109.316	5.13
17	MP3C	Z	-63.113	5.13
18	MP3C	Mx	-.012	5.13
19	MP3A	X	116.449	1.63
20	MP3A	Z	-67.232	1.63
21	MP3A	Mx	-.138	1.63
22	MP3A	X	116.449	5.13
23	MP3A	Z	-67.232	5.13
24	MP3A	Mx	-.138	5.13
25	MP3B	X	94.59	1.63
26	MP3B	Z	-54.612	1.63
27	MP3B	Mx	-.03	1.63
28	MP3B	X	94.59	5.13
29	MP3B	Z	-54.612	5.13
30	MP3B	Mx	-.03	5.13
31	MP3C	X	109.316	1.63
32	MP3C	Z	-63.113	1.63
33	MP3C	Mx	.133	1.63
34	MP3C	X	109.316	5.13
35	MP3C	Z	-63.113	5.13
36	MP3C	Mx	.133	5.13
37	MP2A	X	55.72	1.43
38	MP2A	Z	-32.17	1.43
39	MP2A	Mx	-.016	1.43
40	MP2A	X	55.72	3.43
41	MP2A	Z	-32.17	3.43
42	MP2A	Mx	-.016	3.43
43	MP2B	X	35.725	1.43
44	MP2B	Z	-20.626	1.43
45	MP2B	Mx	-.018	1.43
46	MP2B	X	35.725	3.43
47	MP2B	Z	-20.626	3.43
48	MP2B	Mx	-.018	3.43
49	MP2C	X	49.194	1.43
50	MP2C	Z	-28.402	1.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP2C	Mx	.018	1.43
52	MP2C	X	49.194	3.43
53	MP2C	Z	-28.402	3.43
54	MP2C	Mx	.018	3.43
55	MP1B	X	124.338	.63
56	MP1B	Z	-71.786	.63
57	MP1B	Mx	-.155	.63
58	MP1B	X	124.338	5.88
59	MP1B	Z	-71.786	5.88
60	MP1B	Mx	-.155	5.88
61	MP1C	X	129.785	.63
62	MP1C	Z	-74.931	.63
63	MP1C	Mx	.12	.63
64	MP1C	X	129.785	5.88
65	MP1C	Z	-74.931	5.88
66	MP1C	Mx	.12	5.88
67	MP4B	X	124.338	.63
68	MP4B	Z	-71.786	.63
69	MP4B	Mx	-.155	.63
70	MP4B	X	124.338	5.88
71	MP4B	Z	-71.786	5.88
72	MP4B	Mx	-.155	5.88
73	MP4C	X	129.785	.63
74	MP4C	Z	-74.931	.63
75	MP4C	Mx	.12	.63
76	MP4C	X	129.785	5.88
77	MP4C	Z	-74.931	5.88
78	MP4C	Mx	.12	5.88
79	MP1A	X	105.273	.63
80	MP1A	Z	-60.78	.63
81	MP1A	Mx	-.073	.63
82	MP1A	X	105.273	5.88
83	MP1A	Z	-60.78	5.88
84	MP1A	Mx	-.073	5.88
85	MP4A	X	105.273	.63
86	MP4A	Z	-60.78	.63
87	MP4A	Mx	-.073	.63
88	MP4A	X	105.273	5.88
89	MP4A	Z	-60.78	5.88
90	MP4A	Mx	-.073	5.88
91	MP3A	X	9.55	4.5
92	MP3A	Z	-5.514	4.5
93	MP3A	Mx	.002	4.5
94	MP3B	X	7.956	4.5
95	MP3B	Z	-4.593	4.5
96	MP3B	Mx	.003	4.5
97	MP3C	X	9.03	4.5
98	MP3C	Z	-5.213	4.5
99	MP3C	Mx	-.003	4.5
100	MP2A	X	47.959	1
101	MP2A	Z	-27.689	1
102	MP2A	Mx	.017	1
103	MP2B	X	39.29	1
104	MP2B	Z	-22.684	1
105	MP2B	Mx	.025	1
106	MP2C	X	45.13	1
107	MP2C	Z	-26.056	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP2C	Mx	-.021	1
109	MP3A	X	46.299	1
110	MP3A	Z	-26.731	1
111	MP3A	Mx	.017	1
112	MP3B	X	34.309	1
113	MP3B	Z	-19.808	1
114	MP3B	Mx	.021	1
115	MP3C	X	42.386	1
116	MP3C	Z	-24.472	1
117	MP3C	Mx	-.02	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	147.085	1.63
2	MP3A	Z	0	1.63
3	MP3A	Mx	.11	1.63
4	MP3A	X	147.085	5.13
5	MP3A	Z	0	5.13
6	MP3A	Mx	.11	5.13
7	MP3B	X	96.603	1.63
8	MP3B	Z	0	1.63
9	MP3B	Mx	-.072	1.63
10	MP3B	X	96.603	5.13
11	MP3B	Z	0	5.13
12	MP3B	Mx	-.072	5.13
13	MP3C	X	145.562	1.63
14	MP3C	Z	0	1.63
15	MP3C	Mx	-.089	1.63
16	MP3C	X	145.562	5.13
17	MP3C	Z	0	5.13
18	MP3C	Mx	-.089	5.13
19	MP3A	X	147.085	1.63
20	MP3A	Z	0	1.63
21	MP3A	Mx	-.11	1.63
22	MP3A	X	147.085	5.13
23	MP3A	Z	0	5.13
24	MP3A	Mx	-.11	5.13
25	MP3B	X	96.603	1.63
26	MP3B	Z	0	1.63
27	MP3B	Mx	-.072	1.63
28	MP3B	X	96.603	5.13
29	MP3B	Z	0	5.13
30	MP3B	Mx	-.072	5.13
31	MP3C	X	145.562	1.63
32	MP3C	Z	0	1.63
33	MP3C	Mx	.126	1.63
34	MP3C	X	145.562	5.13
35	MP3C	Z	0	5.13
36	MP3C	Mx	.126	5.13
37	MP2A	X	75.883	1.43
38	MP2A	Z	0	1.43
39	MP2A	Mx	0	1.43
40	MP2A	X	75.883	3.43
41	MP2A	Z	0	3.43
42	MP2A	Mx	0	3.43
43	MP2B	X	29.708	1.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP2B	Z	0	1.43
45	MP2B	Mx	-.015	1.43
46	MP2B	X	29.708	3.43
47	MP2B	Z	0	3.43
48	MP2B	Mx	-.015	3.43
49	MP2C	X	74.491	1.43
50	MP2C	Z	0	1.43
51	MP2C	Mx	.006	1.43
52	MP2C	X	74.491	3.43
53	MP2C	Z	0	3.43
54	MP2C	Mx	.006	3.43
55	MP1B	X	138.904	.63
56	MP1B	Z	0	.63
57	MP1B	Mx	-.174	.63
58	MP1B	X	138.904	5.88
59	MP1B	Z	0	5.88
60	MP1B	Mx	-.174	5.88
61	MP1C	X	157.016	.63
62	MP1C	Z	0	.63
63	MP1C	Mx	.034	.63
64	MP1C	X	157.016	5.88
65	MP1C	Z	0	5.88
66	MP1C	Mx	.034	5.88
67	MP4B	X	138.904	.63
68	MP4B	Z	0	.63
69	MP4B	Mx	-.174	.63
70	MP4B	X	138.904	5.88
71	MP4B	Z	0	5.88
72	MP4B	Mx	-.174	5.88
73	MP4C	X	157.016	.63
74	MP4C	Z	0	.63
75	MP4C	Mx	.034	.63
76	MP4C	X	157.016	5.88
77	MP4C	Z	0	5.88
78	MP4C	Mx	.034	5.88
79	MP1A	X	122.866	.63
80	MP1A	Z	0	.63
81	MP1A	Mx	0	.63
82	MP1A	X	122.866	5.88
83	MP1A	Z	0	5.88
84	MP1A	Mx	0	5.88
85	MP4A	X	122.866	.63
86	MP4A	Z	0	.63
87	MP4A	Mx	0	.63
88	MP4A	X	122.866	5.88
89	MP4A	Z	0	5.88
90	MP4A	Mx	0	5.88
91	MP3A	X	11.948	4.5
92	MP3A	Z	0	4.5
93	MP3A	Mx	0	4.5
94	MP3B	X	8.266	4.5
95	MP3B	Z	0	4.5
96	MP3B	Mx	.003	4.5
97	MP3C	X	11.837	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	-.000856	4.5
100	MP2A	X	60.384	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP2A	Z	0	1
102	MP2A	Mx	0	1
103	MP2B	X	40.363	1
104	MP2B	Z	0	1
105	MP2B	Mx	.025	1
106	MP2C	X	59.78	1
107	MP2C	Z	0	1
108	MP2C	Mx	-.006	1
109	MP3A	X	60.384	1
110	MP3A	Z	0	1
111	MP3A	Mx	0	1
112	MP3B	X	32.694	1
113	MP3B	Z	0	1
114	MP3B	Mx	.02	1
115	MP3C	X	59.549	1
116	MP3C	Z	0	1
117	MP3C	Mx	-.006	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	116.449	1.63
2	MP3A	Z	67.232	1.63
3	MP3A	Mx	.138	1.63
4	MP3A	X	116.449	5.13
5	MP3A	Z	67.232	5.13
6	MP3A	Mx	.138	5.13
7	MP3B	X	94.59	1.63
8	MP3B	Z	54.612	1.63
9	MP3B	Mx	-.03	1.63
10	MP3B	X	94.59	5.13
11	MP3B	Z	54.612	5.13
12	MP3B	Mx	-.03	5.13
13	MP3C	X	122.265	1.63
14	MP3C	Z	70.59	1.63
15	MP3C	Mx	-.136	1.63
16	MP3C	X	122.265	5.13
17	MP3C	Z	70.59	5.13
18	MP3C	Mx	-.136	5.13
19	MP3A	X	116.449	1.63
20	MP3A	Z	67.232	1.63
21	MP3A	Mx	-.037	1.63
22	MP3A	X	116.449	5.13
23	MP3A	Z	67.232	5.13
24	MP3A	Mx	-.037	5.13
25	MP3B	X	94.59	1.63
26	MP3B	Z	54.612	1.63
27	MP3B	Mx	-.112	1.63
28	MP3B	X	94.59	5.13
29	MP3B	Z	54.612	5.13
30	MP3B	Mx	-.112	5.13
31	MP3C	X	122.265	1.63
32	MP3C	Z	70.59	1.63
33	MP3C	Mx	.063	1.63
34	MP3C	X	122.265	5.13
35	MP3C	Z	70.59	5.13
36	MP3C	Mx	.063	5.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2A	X	55.72	1.43
38	MP2A	Z	32.17	1.43
39	MP2A	Mx	.016	1.43
40	MP2A	X	55.72	3.43
41	MP2A	Z	32.17	3.43
42	MP2A	Mx	.016	3.43
43	MP2B	X	35.725	1.43
44	MP2B	Z	20.626	1.43
45	MP2B	Mx	-.018	1.43
46	MP2B	X	35.725	3.43
47	MP2B	Z	20.626	3.43
48	MP2B	Mx	-.018	3.43
49	MP2C	X	61.039	1.43
50	MP2C	Z	35.241	1.43
51	MP2C	Mx	-.012	1.43
52	MP2C	X	61.039	3.43
53	MP2C	Z	35.241	3.43
54	MP2C	Mx	-.012	3.43
55	MP1B	X	124.338	.63
56	MP1B	Z	71.786	.63
57	MP1B	Mx	-.155	.63
58	MP1B	X	124.338	5.88
59	MP1B	Z	71.786	5.88
60	MP1B	Mx	-.155	5.88
61	MP1C	X	134.576	.63
62	MP1C	Z	77.697	.63
63	MP1C	Mx	-.066	.63
64	MP1C	X	134.576	5.88
65	MP1C	Z	77.697	5.88
66	MP1C	Mx	-.066	5.88
67	MP4B	X	124.338	.63
68	MP4B	Z	71.786	.63
69	MP4B	Mx	-.155	.63
70	MP4B	X	124.338	5.88
71	MP4B	Z	71.786	5.88
72	MP4B	Mx	-.155	5.88
73	MP4C	X	134.576	.63
74	MP4C	Z	77.697	.63
75	MP4C	Mx	-.066	.63
76	MP4C	X	134.576	5.88
77	MP4C	Z	77.697	5.88
78	MP4C	Mx	-.066	5.88
79	MP1A	X	105.273	.63
80	MP1A	Z	60.78	.63
81	MP1A	Mx	.073	.63
82	MP1A	X	105.273	5.88
83	MP1A	Z	60.78	5.88
84	MP1A	Mx	.073	5.88
85	MP4A	X	105.273	.63
86	MP4A	Z	60.78	.63
87	MP4A	Mx	.073	.63
88	MP4A	X	105.273	5.88
89	MP4A	Z	60.78	5.88
90	MP4A	Mx	.073	5.88
91	MP3A	X	9.55	4.5
92	MP3A	Z	5.514	4.5
93	MP3A	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP3B	X	7.956	4.5
95	MP3B	Z	4.593	4.5
96	MP3B	Mx	.003	4.5
97	MP3C	X	9.974	4.5
98	MP3C	Z	5.758	4.5
99	MP3C	Mx	.002	4.5
100	MP2A	X	47.959	1
101	MP2A	Z	27.689	1
102	MP2A	Mx	-.017	1
103	MP2B	X	39.29	1
104	MP2B	Z	22.684	1
105	MP2B	Mx	.025	1
106	MP2C	X	50.266	1
107	MP2C	Z	29.021	1
108	MP2C	Mx	.012	1
109	MP3A	X	46.299	1
110	MP3A	Z	26.731	1
111	MP3A	Mx	-.017	1
112	MP3B	X	34.309	1
113	MP3B	Z	19.808	1
114	MP3B	Mx	.021	1
115	MP3C	X	49.489	1
116	MP3C	Z	28.572	1
117	MP3C	Mx	.012	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	54.612	1.63
2	MP3A	Z	94.59	1.63
3	MP3A	Mx	.112	1.63
4	MP3A	X	54.612	5.13
5	MP3A	Z	94.59	5.13
6	MP3A	Mx	.112	5.13
7	MP3B	X	67.232	1.63
8	MP3B	Z	116.449	1.63
9	MP3B	Mx	.037	1.63
10	MP3B	X	67.232	5.13
11	MP3B	Z	116.449	5.13
12	MP3B	Mx	.037	5.13
13	MP3C	X	58.73	1.63
14	MP3C	Z	101.724	1.63
15	MP3C	Mx	-.124	1.63
16	MP3C	X	58.73	5.13
17	MP3C	Z	101.724	5.13
18	MP3C	Mx	-.124	5.13
19	MP3A	X	54.612	1.63
20	MP3A	Z	94.59	1.63
21	MP3A	Mx	.03	1.63
22	MP3A	X	54.612	5.13
23	MP3A	Z	94.59	5.13
24	MP3A	Mx	.03	5.13
25	MP3B	X	67.232	1.63
26	MP3B	Z	116.449	1.63
27	MP3B	Mx	-.138	1.63
28	MP3B	X	67.232	5.13
29	MP3B	Z	116.449	5.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3B	Mx	-.138	5.13
31	MP3C	X	58.73	1.63
32	MP3C	Z	101.724	1.63
33	MP3C	Mx	-.011	1.63
34	MP3C	X	58.73	5.13
35	MP3C	Z	101.724	5.13
36	MP3C	Mx	-.011	5.13
37	MP2A	X	20.626	1.43
38	MP2A	Z	35.725	1.43
39	MP2A	Mx	.018	1.43
40	MP2A	X	20.626	3.43
41	MP2A	Z	35.725	3.43
42	MP2A	Mx	.018	3.43
43	MP2B	X	32.17	1.43
44	MP2B	Z	55.72	1.43
45	MP2B	Mx	-.016	1.43
46	MP2B	X	32.17	3.43
47	MP2B	Z	55.72	3.43
48	MP2B	Mx	-.016	3.43
49	MP2C	X	24.393	1.43
50	MP2C	Z	42.25	1.43
51	MP2C	Mx	-.019	1.43
52	MP2C	X	24.393	3.43
53	MP2C	Z	42.25	3.43
54	MP2C	Mx	-.019	3.43
55	MP1B	X	76.455	.63
56	MP1B	Z	132.424	.63
57	MP1B	Mx	-.096	.63
58	MP1B	X	76.455	5.88
59	MP1B	Z	132.424	5.88
60	MP1B	Mx	-.096	5.88
61	MP1C	X	73.31	.63
62	MP1C	Z	126.977	.63
63	MP1C	Mx	-.14	.63
64	MP1C	X	73.31	5.88
65	MP1C	Z	126.977	5.88
66	MP1C	Mx	-.14	5.88
67	MP4B	X	76.455	.63
68	MP4B	Z	132.424	.63
69	MP4B	Mx	-.096	.63
70	MP4B	X	76.455	5.88
71	MP4B	Z	132.424	5.88
72	MP4B	Mx	-.096	5.88
73	MP4C	X	73.31	.63
74	MP4C	Z	126.977	.63
75	MP4C	Mx	-.14	.63
76	MP4C	X	73.31	5.88
77	MP4C	Z	126.977	5.88
78	MP4C	Mx	-.14	5.88
79	MP1A	X	59.472	.63
80	MP1A	Z	103.009	.63
81	MP1A	Mx	.124	.63
82	MP1A	X	59.472	5.88
83	MP1A	Z	103.009	5.88
84	MP1A	Mx	.124	5.88
85	MP4A	X	59.472	.63
86	MP4A	Z	103.009	.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP4A	Mx	.124	.63
88	MP4A	X	59.472	5.88
89	MP4A	Z	103.009	5.88
90	MP4A	Mx	.124	5.88
91	MP3A	X	4.593	4.5
92	MP3A	Z	7.956	4.5
93	MP3A	Mx	-.003	4.5
94	MP3B	X	5.514	4.5
95	MP3B	Z	9.55	4.5
96	MP3B	Mx	.002	4.5
97	MP3C	X	4.894	4.5
98	MP3C	Z	8.476	4.5
99	MP3C	Mx	.003	4.5
100	MP2A	X	22.684	1
101	MP2A	Z	39.29	1
102	MP2A	Mx	-.025	1
103	MP2B	X	27.689	1
104	MP2B	Z	47.959	1
105	MP2B	Mx	.017	1
106	MP2C	X	24.318	1
107	MP2C	Z	42.119	1
108	MP2C	Mx	.023	1
109	MP3A	X	19.808	1
110	MP3A	Z	34.309	1
111	MP3A	Mx	-.021	1
112	MP3B	X	26.731	1
113	MP3B	Z	46.299	1
114	MP3B	Mx	.017	1
115	MP3C	X	22.067	1
116	MP3C	Z	38.222	1
117	MP3C	Mx	.021	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.63
2	MP3A	Z	96.603	1.63
3	MP3A	Mx	.072	1.63
4	MP3A	X	0	5.13
5	MP3A	Z	96.603	5.13
6	MP3A	Mx	.072	5.13
7	MP3B	X	0	1.63
8	MP3B	Z	147.085	1.63
9	MP3B	Mx	.11	1.63
10	MP3B	X	0	5.13
11	MP3B	Z	147.085	5.13
12	MP3B	Mx	.11	5.13
13	MP3C	X	0	1.63
14	MP3C	Z	98.125	1.63
15	MP3C	Mx	-.085	1.63
16	MP3C	X	0	5.13
17	MP3C	Z	98.125	5.13
18	MP3C	Mx	-.085	5.13
19	MP3A	X	0	1.63
20	MP3A	Z	96.603	1.63
21	MP3A	Mx	.072	1.63
22	MP3A	X	0	5.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	96.603	5.13
24	MP3A	Mx	.072	5.13
25	MP3B	X	0	1.63
26	MP3B	Z	147.085	1.63
27	MP3B	Mx	-.11	1.63
28	MP3B	X	0	5.13
29	MP3B	Z	147.085	5.13
30	MP3B	Mx	-.11	5.13
31	MP3C	X	0	1.63
32	MP3C	Z	98.125	1.63
33	MP3C	Mx	-.06	1.63
34	MP3C	X	0	5.13
35	MP3C	Z	98.125	5.13
36	MP3C	Mx	-.06	5.13
37	MP2A	X	0	1.43
38	MP2A	Z	29.708	1.43
39	MP2A	Mx	.015	1.43
40	MP2A	X	0	3.43
41	MP2A	Z	29.708	3.43
42	MP2A	Mx	.015	3.43
43	MP2B	X	0	1.43
44	MP2B	Z	75.883	1.43
45	MP2B	Mx	0	1.43
46	MP2B	X	0	3.43
47	MP2B	Z	75.883	3.43
48	MP2B	Mx	0	3.43
49	MP2C	X	0	1.43
50	MP2C	Z	31.101	1.43
51	MP2C	Mx	-.015	1.43
52	MP2C	X	0	3.43
53	MP2C	Z	31.101	3.43
54	MP2C	Mx	-.015	3.43
55	MP1B	X	0	.63
56	MP1B	Z	157.579	.63
57	MP1B	Mx	0	.63
58	MP1B	X	0	5.88
59	MP1B	Z	157.579	5.88
60	MP1B	Mx	0	5.88
61	MP1C	X	0	.63
62	MP1C	Z	139.467	.63
63	MP1C	Mx	-.172	.63
64	MP1C	X	0	5.88
65	MP1C	Z	139.467	5.88
66	MP1C	Mx	-.172	5.88
67	MP4B	X	0	.63
68	MP4B	Z	157.579	.63
69	MP4B	Mx	0	.63
70	MP4B	X	0	5.88
71	MP4B	Z	157.579	5.88
72	MP4B	Mx	0	5.88
73	MP4C	X	0	.63
74	MP4C	Z	139.467	.63
75	MP4C	Mx	-.172	.63
76	MP4C	X	0	5.88
77	MP4C	Z	139.467	5.88
78	MP4C	Mx	-.172	5.88
79	MP1A	X	0	.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	117.637	.63
81	MP1A	Mx	.142	.63
82	MP1A	X	0	5.88
83	MP1A	Z	117.637	5.88
84	MP1A	Mx	.142	5.88
85	MP4A	X	0	.63
86	MP4A	Z	117.637	.63
87	MP4A	Mx	.142	.63
88	MP4A	X	0	5.88
89	MP4A	Z	117.637	5.88
90	MP4A	Mx	.142	5.88
91	MP3A	X	0	4.5
92	MP3A	Z	8.266	4.5
93	MP3A	Mx	-.003	4.5
94	MP3B	X	0	4.5
95	MP3B	Z	11.948	4.5
96	MP3B	Mx	0	4.5
97	MP3C	X	0	4.5
98	MP3C	Z	8.377	4.5
99	MP3C	Mx	.003	4.5
100	MP2A	X	0	1
101	MP2A	Z	40.363	1
102	MP2A	Mx	-.025	1
103	MP2B	X	0	1
104	MP2B	Z	60.384	1
105	MP2B	Mx	0	1
106	MP2C	X	0	1
107	MP2C	Z	40.967	1
108	MP2C	Mx	.025	1
109	MP3A	X	0	1
110	MP3A	Z	32.694	1
111	MP3A	Mx	-.02	1
112	MP3B	X	0	1
113	MP3B	Z	60.384	1
114	MP3B	Mx	0	1
115	MP3C	X	0	1
116	MP3C	Z	33.529	1
117	MP3C	Mx	.021	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-54.612	1.63
2	MP3A	Z	94.59	1.63
3	MP3A	Mx	.03	1.63
4	MP3A	X	-54.612	5.13
5	MP3A	Z	94.59	5.13
6	MP3A	Mx	.03	5.13
7	MP3B	X	-67.232	1.63
8	MP3B	Z	116.449	1.63
9	MP3B	Mx	.138	1.63
10	MP3B	X	-67.232	5.13
11	MP3B	Z	116.449	5.13
12	MP3B	Mx	.138	5.13
13	MP3C	X	-51.254	1.63
14	MP3C	Z	88.775	1.63
15	MP3C	Mx	-.046	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3C	X	-51.254	5.13
17	MP3C	Z	88.775	5.13
18	MP3C	Mx	-.046	5.13
19	MP3A	X	-54.612	1.63
20	MP3A	Z	94.59	1.63
21	MP3A	Mx	.112	1.63
22	MP3A	X	-54.612	5.13
23	MP3A	Z	94.59	5.13
24	MP3A	Mx	.112	5.13
25	MP3B	X	-67.232	1.63
26	MP3B	Z	116.449	1.63
27	MP3B	Mx	-.037	1.63
28	MP3B	X	-67.232	5.13
29	MP3B	Z	116.449	5.13
30	MP3B	Mx	-.037	5.13
31	MP3C	X	-51.254	1.63
32	MP3C	Z	88.775	1.63
33	MP3C	Mx	-.099	1.63
34	MP3C	X	-51.254	5.13
35	MP3C	Z	88.775	5.13
36	MP3C	Mx	-.099	5.13
37	MP2A	X	-20.626	1.43
38	MP2A	Z	35.725	1.43
39	MP2A	Mx	.018	1.43
40	MP2A	X	-20.626	3.43
41	MP2A	Z	35.725	3.43
42	MP2A	Mx	.018	3.43
43	MP2B	X	-32.17	1.43
44	MP2B	Z	55.72	1.43
45	MP2B	Mx	.016	1.43
46	MP2B	X	-32.17	3.43
47	MP2B	Z	55.72	3.43
48	MP2B	Mx	.016	3.43
49	MP2C	X	-17.555	1.43
50	MP2C	Z	30.406	1.43
51	MP2C	Mx	-.016	1.43
52	MP2C	X	-17.555	3.43
53	MP2C	Z	30.406	3.43
54	MP2C	Mx	-.016	3.43
55	MP1B	X	-76.455	.63
56	MP1B	Z	132.424	.63
57	MP1B	Mx	.096	.63
58	MP1B	X	-76.455	5.88
59	MP1B	Z	132.424	5.88
60	MP1B	Mx	.096	5.88
61	MP1C	X	-70.544	.63
62	MP1C	Z	122.186	.63
63	MP1C	Mx	-.166	.63
64	MP1C	X	-70.544	5.88
65	MP1C	Z	122.186	5.88
66	MP1C	Mx	-.166	5.88
67	MP4B	X	-76.455	.63
68	MP4B	Z	132.424	.63
69	MP4B	Mx	.096	.63
70	MP4B	X	-76.455	5.88
71	MP4B	Z	132.424	5.88
72	MP4B	Mx	.096	5.88

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP4C	X	-70.544	.63
74	MP4C	Z	122.186	.63
75	MP4C	Mx	-.166	.63
76	MP4C	X	-70.544	5.88
77	MP4C	Z	122.186	5.88
78	MP4C	Mx	-.166	5.88
79	MP1A	X	-59.472	.63
80	MP1A	Z	103.009	.63
81	MP1A	Mx	.124	.63
82	MP1A	X	-59.472	5.88
83	MP1A	Z	103.009	5.88
84	MP1A	Mx	.124	5.88
85	MP4A	X	-59.472	.63
86	MP4A	Z	103.009	.63
87	MP4A	Mx	.124	.63
88	MP4A	X	-59.472	5.88
89	MP4A	Z	103.009	5.88
90	MP4A	Mx	.124	5.88
91	MP3A	X	-4.593	4.5
92	MP3A	Z	7.956	4.5
93	MP3A	Mx	-.003	4.5
94	MP3B	X	-5.514	4.5
95	MP3B	Z	9.55	4.5
96	MP3B	Mx	-.002	4.5
97	MP3C	X	-4.349	4.5
98	MP3C	Z	7.532	4.5
99	MP3C	Mx	.003	4.5
100	MP2A	X	-22.684	1
101	MP2A	Z	39.29	1
102	MP2A	Mx	-.025	1
103	MP2B	X	-27.689	1
104	MP2B	Z	47.959	1
105	MP2B	Mx	-.017	1
106	MP2C	X	-21.353	1
107	MP2C	Z	36.984	1
108	MP2C	Mx	.025	1
109	MP3A	X	-19.808	1
110	MP3A	Z	34.309	1
111	MP3A	Mx	-.021	1
112	MP3B	X	-26.731	1
113	MP3B	Z	46.299	1
114	MP3B	Mx	-.017	1
115	MP3C	X	-17.967	1
116	MP3C	Z	31.119	1
117	MP3C	Mx	.021	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-116.449	1.63
2	MP3A	Z	67.232	1.63
3	MP3A	Mx	-.037	1.63
4	MP3A	X	-116.449	5.13
5	MP3A	Z	67.232	5.13
6	MP3A	Mx	-.037	5.13
7	MP3B	X	-94.59	1.63
8	MP3B	Z	54.612	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.112	1.63
10	MP3B	X	-94.59	5.13
11	MP3B	Z	54.612	5.13
12	MP3B	Mx	.112	5.13
13	MP3C	X	-109.316	1.63
14	MP3C	Z	63.113	1.63
15	MP3C	Mx	.012	1.63
16	MP3C	X	-109.316	5.13
17	MP3C	Z	63.113	5.13
18	MP3C	Mx	.012	5.13
19	MP3A	X	-116.449	1.63
20	MP3A	Z	67.232	1.63
21	MP3A	Mx	.138	1.63
22	MP3A	X	-116.449	5.13
23	MP3A	Z	67.232	5.13
24	MP3A	Mx	.138	5.13
25	MP3B	X	-94.59	1.63
26	MP3B	Z	54.612	1.63
27	MP3B	Mx	.03	1.63
28	MP3B	X	-94.59	5.13
29	MP3B	Z	54.612	5.13
30	MP3B	Mx	.03	5.13
31	MP3C	X	-109.316	1.63
32	MP3C	Z	63.113	1.63
33	MP3C	Mx	-.133	1.63
34	MP3C	X	-109.316	5.13
35	MP3C	Z	63.113	5.13
36	MP3C	Mx	-.133	5.13
37	MP2A	X	-55.72	1.43
38	MP2A	Z	32.17	1.43
39	MP2A	Mx	.016	1.43
40	MP2A	X	-55.72	3.43
41	MP2A	Z	32.17	3.43
42	MP2A	Mx	.016	3.43
43	MP2B	X	-35.725	1.43
44	MP2B	Z	20.626	1.43
45	MP2B	Mx	.018	1.43
46	MP2B	X	-35.725	3.43
47	MP2B	Z	20.626	3.43
48	MP2B	Mx	.018	3.43
49	MP2C	X	-49.194	1.43
50	MP2C	Z	28.402	1.43
51	MP2C	Mx	-.018	1.43
52	MP2C	X	-49.194	3.43
53	MP2C	Z	28.402	3.43
54	MP2C	Mx	-.018	3.43
55	MP1B	X	-124.338	.63
56	MP1B	Z	71.786	.63
57	MP1B	Mx	.155	.63
58	MP1B	X	-124.338	5.88
59	MP1B	Z	71.786	5.88
60	MP1B	Mx	.155	5.88
61	MP1C	X	-129.785	.63
62	MP1C	Z	74.931	.63
63	MP1C	Mx	-.12	.63
64	MP1C	X	-129.785	5.88
65	MP1C	Z	74.931	5.88

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1C	Mx	-.12	5.88
67	MP4B	X	-124.338	.63
68	MP4B	Z	71.786	.63
69	MP4B	Mx	.155	.63
70	MP4B	X	-124.338	5.88
71	MP4B	Z	71.786	5.88
72	MP4B	Mx	.155	5.88
73	MP4C	X	-129.785	.63
74	MP4C	Z	74.931	.63
75	MP4C	Mx	-.12	.63
76	MP4C	X	-129.785	5.88
77	MP4C	Z	74.931	5.88
78	MP4C	Mx	-.12	5.88
79	MP1A	X	-105.273	.63
80	MP1A	Z	60.78	.63
81	MP1A	Mx	.073	.63
82	MP1A	X	-105.273	5.88
83	MP1A	Z	60.78	5.88
84	MP1A	Mx	.073	5.88
85	MP4A	X	-105.273	.63
86	MP4A	Z	60.78	.63
87	MP4A	Mx	.073	.63
88	MP4A	X	-105.273	5.88
89	MP4A	Z	60.78	5.88
90	MP4A	Mx	.073	5.88
91	MP3A	X	-9.55	4.5
92	MP3A	Z	5.514	4.5
93	MP3A	Mx	-.002	4.5
94	MP3B	X	-7.956	4.5
95	MP3B	Z	4.593	4.5
96	MP3B	Mx	-.003	4.5
97	MP3C	X	-9.03	4.5
98	MP3C	Z	5.213	4.5
99	MP3C	Mx	.003	4.5
100	MP2A	X	-47.959	1
101	MP2A	Z	27.689	1
102	MP2A	Mx	-.017	1
103	MP2B	X	-39.29	1
104	MP2B	Z	22.684	1
105	MP2B	Mx	-.025	1
106	MP2C	X	-45.13	1
107	MP2C	Z	26.056	1
108	MP2C	Mx	.021	1
109	MP3A	X	-46.299	1
110	MP3A	Z	26.731	1
111	MP3A	Mx	-.017	1
112	MP3B	X	-34.309	1
113	MP3B	Z	19.808	1
114	MP3B	Mx	-.021	1
115	MP3C	X	-42.386	1
116	MP3C	Z	24.472	1
117	MP3C	Mx	.02	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-147.085	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	0	1.63
3	MP3A	Mx	-.11	1.63
4	MP3A	X	-147.085	5.13
5	MP3A	Z	0	5.13
6	MP3A	Mx	-.11	5.13
7	MP3B	X	-96.603	1.63
8	MP3B	Z	0	1.63
9	MP3B	Mx	.072	1.63
10	MP3B	X	-96.603	5.13
11	MP3B	Z	0	5.13
12	MP3B	Mx	.072	5.13
13	MP3C	X	-145.562	1.63
14	MP3C	Z	0	1.63
15	MP3C	Mx	.089	1.63
16	MP3C	X	-145.562	5.13
17	MP3C	Z	0	5.13
18	MP3C	Mx	.089	5.13
19	MP3A	X	-147.085	1.63
20	MP3A	Z	0	1.63
21	MP3A	Mx	.11	1.63
22	MP3A	X	-147.085	5.13
23	MP3A	Z	0	5.13
24	MP3A	Mx	.11	5.13
25	MP3B	X	-96.603	1.63
26	MP3B	Z	0	1.63
27	MP3B	Mx	.072	1.63
28	MP3B	X	-96.603	5.13
29	MP3B	Z	0	5.13
30	MP3B	Mx	.072	5.13
31	MP3C	X	-145.562	1.63
32	MP3C	Z	0	1.63
33	MP3C	Mx	-.126	1.63
34	MP3C	X	-145.562	5.13
35	MP3C	Z	0	5.13
36	MP3C	Mx	-.126	5.13
37	MP2A	X	-75.883	1.43
38	MP2A	Z	0	1.43
39	MP2A	Mx	0	1.43
40	MP2A	X	-75.883	3.43
41	MP2A	Z	0	3.43
42	MP2A	Mx	0	3.43
43	MP2B	X	-29.708	1.43
44	MP2B	Z	0	1.43
45	MP2B	Mx	.015	1.43
46	MP2B	X	-29.708	3.43
47	MP2B	Z	0	3.43
48	MP2B	Mx	.015	3.43
49	MP2C	X	-74.491	1.43
50	MP2C	Z	0	1.43
51	MP2C	Mx	-.006	1.43
52	MP2C	X	-74.491	3.43
53	MP2C	Z	0	3.43
54	MP2C	Mx	-.006	3.43
55	MP1B	X	-138.904	.63
56	MP1B	Z	0	.63
57	MP1B	Mx	.174	.63
58	MP1B	X	-138.904	5.88

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP1B	Z	0	5.88
60	MP1B	Mx	.174	5.88
61	MP1C	X	-157.016	.63
62	MP1C	Z	0	.63
63	MP1C	Mx	-.034	.63
64	MP1C	X	-157.016	5.88
65	MP1C	Z	0	5.88
66	MP1C	Mx	-.034	5.88
67	MP4B	X	-138.904	.63
68	MP4B	Z	0	.63
69	MP4B	Mx	.174	.63
70	MP4B	X	-138.904	5.88
71	MP4B	Z	0	5.88
72	MP4B	Mx	.174	5.88
73	MP4C	X	-157.016	.63
74	MP4C	Z	0	.63
75	MP4C	Mx	-.034	.63
76	MP4C	X	-157.016	5.88
77	MP4C	Z	0	5.88
78	MP4C	Mx	-.034	5.88
79	MP1A	X	-122.866	.63
80	MP1A	Z	0	.63
81	MP1A	Mx	0	.63
82	MP1A	X	-122.866	5.88
83	MP1A	Z	0	5.88
84	MP1A	Mx	0	5.88
85	MP4A	X	-122.866	.63
86	MP4A	Z	0	.63
87	MP4A	Mx	0	.63
88	MP4A	X	-122.866	5.88
89	MP4A	Z	0	5.88
90	MP4A	Mx	0	5.88
91	MP3A	X	-11.948	4.5
92	MP3A	Z	0	4.5
93	MP3A	Mx	0	4.5
94	MP3B	X	-8.266	4.5
95	MP3B	Z	0	4.5
96	MP3B	Mx	-.003	4.5
97	MP3C	X	-11.837	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	.000856	4.5
100	MP2A	X	-60.384	1
101	MP2A	Z	0	1
102	MP2A	Mx	0	1
103	MP2B	X	-40.363	1
104	MP2B	Z	0	1
105	MP2B	Mx	-.025	1
106	MP2C	X	-59.78	1
107	MP2C	Z	0	1
108	MP2C	Mx	.006	1
109	MP3A	X	-60.384	1
110	MP3A	Z	0	1
111	MP3A	Mx	0	1
112	MP3B	X	-32.694	1
113	MP3B	Z	0	1
114	MP3B	Mx	-.02	1
115	MP3C	X	-59.549	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP3C	Z	0	1
117	MP3C	Mx	.006	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-116.449	1.63
2	MP3A	Z	-67.232	1.63
3	MP3A	Mx	-.138	1.63
4	MP3A	X	-116.449	5.13
5	MP3A	Z	-67.232	5.13
6	MP3A	Mx	-.138	5.13
7	MP3B	X	-94.59	1.63
8	MP3B	Z	-54.612	1.63
9	MP3B	Mx	.03	1.63
10	MP3B	X	-94.59	5.13
11	MP3B	Z	-54.612	5.13
12	MP3B	Mx	.03	5.13
13	MP3C	X	-122.265	1.63
14	MP3C	Z	-70.59	1.63
15	MP3C	Mx	.136	1.63
16	MP3C	X	-122.265	5.13
17	MP3C	Z	-70.59	5.13
18	MP3C	Mx	.136	5.13
19	MP3A	X	-116.449	1.63
20	MP3A	Z	-67.232	1.63
21	MP3A	Mx	.037	1.63
22	MP3A	X	-116.449	5.13
23	MP3A	Z	-67.232	5.13
24	MP3A	Mx	.037	5.13
25	MP3B	X	-94.59	1.63
26	MP3B	Z	-54.612	1.63
27	MP3B	Mx	.112	1.63
28	MP3B	X	-94.59	5.13
29	MP3B	Z	-54.612	5.13
30	MP3B	Mx	.112	5.13
31	MP3C	X	-122.265	1.63
32	MP3C	Z	-70.59	1.63
33	MP3C	Mx	-.063	1.63
34	MP3C	X	-122.265	5.13
35	MP3C	Z	-70.59	5.13
36	MP3C	Mx	-.063	5.13
37	MP2A	X	-55.72	1.43
38	MP2A	Z	-32.17	1.43
39	MP2A	Mx	-.016	1.43
40	MP2A	X	-55.72	3.43
41	MP2A	Z	-32.17	3.43
42	MP2A	Mx	-.016	3.43
43	MP2B	X	-35.725	1.43
44	MP2B	Z	-20.626	1.43
45	MP2B	Mx	.018	1.43
46	MP2B	X	-35.725	3.43
47	MP2B	Z	-20.626	3.43
48	MP2B	Mx	.018	3.43
49	MP2C	X	-61.039	1.43
50	MP2C	Z	-35.241	1.43
51	MP2C	Mx	.012	1.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	X	-61.039	3.43
53	MP2C	Z	-35.241	3.43
54	MP2C	Mx	.012	3.43
55	MP1B	X	-124.338	.63
56	MP1B	Z	-71.786	.63
57	MP1B	Mx	.155	.63
58	MP1B	X	-124.338	5.88
59	MP1B	Z	-71.786	5.88
60	MP1B	Mx	.155	5.88
61	MP1C	X	-134.576	.63
62	MP1C	Z	-77.697	.63
63	MP1C	Mx	.066	.63
64	MP1C	X	-134.576	5.88
65	MP1C	Z	-77.697	5.88
66	MP1C	Mx	.066	5.88
67	MP4B	X	-124.338	.63
68	MP4B	Z	-71.786	.63
69	MP4B	Mx	.155	.63
70	MP4B	X	-124.338	5.88
71	MP4B	Z	-71.786	5.88
72	MP4B	Mx	.155	5.88
73	MP4C	X	-134.576	.63
74	MP4C	Z	-77.697	.63
75	MP4C	Mx	.066	.63
76	MP4C	X	-134.576	5.88
77	MP4C	Z	-77.697	5.88
78	MP4C	Mx	.066	5.88
79	MP1A	X	-105.273	.63
80	MP1A	Z	-60.78	.63
81	MP1A	Mx	-.073	.63
82	MP1A	X	-105.273	5.88
83	MP1A	Z	-60.78	5.88
84	MP1A	Mx	-.073	5.88
85	MP4A	X	-105.273	.63
86	MP4A	Z	-60.78	.63
87	MP4A	Mx	-.073	.63
88	MP4A	X	-105.273	5.88
89	MP4A	Z	-60.78	5.88
90	MP4A	Mx	-.073	5.88
91	MP3A	X	-9.55	4.5
92	MP3A	Z	-5.514	4.5
93	MP3A	Mx	.002	4.5
94	MP3B	X	-7.956	4.5
95	MP3B	Z	-4.593	4.5
96	MP3B	Mx	-.003	4.5
97	MP3C	X	-9.974	4.5
98	MP3C	Z	-5.758	4.5
99	MP3C	Mx	-.002	4.5
100	MP2A	X	-47.959	1
101	MP2A	Z	-27.689	1
102	MP2A	Mx	.017	1
103	MP2B	X	-39.29	1
104	MP2B	Z	-22.684	1
105	MP2B	Mx	-.025	1
106	MP2C	X	-50.266	1
107	MP2C	Z	-29.021	1
108	MP2C	Mx	-.012	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP3A	X	-46.299	1
110	MP3A	Z	-26.731	1
111	MP3A	Mx	.017	1
112	MP3B	X	-34.309	1
113	MP3B	Z	-19.808	1
114	MP3B	Mx	-.021	1
115	MP3C	X	-49.489	1
116	MP3C	Z	-28.572	1
117	MP3C	Mx	-.012	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-54.612	1.63
2	MP3A	Z	-94.59	1.63
3	MP3A	Mx	-.112	1.63
4	MP3A	X	-54.612	5.13
5	MP3A	Z	-94.59	5.13
6	MP3A	Mx	-.112	5.13
7	MP3B	X	-67.232	1.63
8	MP3B	Z	-116.449	1.63
9	MP3B	Mx	-.037	1.63
10	MP3B	X	-67.232	5.13
11	MP3B	Z	-116.449	5.13
12	MP3B	Mx	-.037	5.13
13	MP3C	X	-58.73	1.63
14	MP3C	Z	-101.724	1.63
15	MP3C	Mx	.124	1.63
16	MP3C	X	-58.73	5.13
17	MP3C	Z	-101.724	5.13
18	MP3C	Mx	.124	5.13
19	MP3A	X	-54.612	1.63
20	MP3A	Z	-94.59	1.63
21	MP3A	Mx	-.03	1.63
22	MP3A	X	-54.612	5.13
23	MP3A	Z	-94.59	5.13
24	MP3A	Mx	-.03	5.13
25	MP3B	X	-67.232	1.63
26	MP3B	Z	-116.449	1.63
27	MP3B	Mx	.138	1.63
28	MP3B	X	-67.232	5.13
29	MP3B	Z	-116.449	5.13
30	MP3B	Mx	.138	5.13
31	MP3C	X	-58.73	1.63
32	MP3C	Z	-101.724	1.63
33	MP3C	Mx	.011	1.63
34	MP3C	X	-58.73	5.13
35	MP3C	Z	-101.724	5.13
36	MP3C	Mx	.011	5.13
37	MP2A	X	-20.626	1.43
38	MP2A	Z	-35.725	1.43
39	MP2A	Mx	-.018	1.43
40	MP2A	X	-20.626	3.43
41	MP2A	Z	-35.725	3.43
42	MP2A	Mx	-.018	3.43
43	MP2B	X	-32.17	1.43
44	MP2B	Z	-55.72	1.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	.016	1.43
46	MP2B	X	-32.17	3.43
47	MP2B	Z	-55.72	3.43
48	MP2B	Mx	.016	3.43
49	MP2C	X	-24.393	1.43
50	MP2C	Z	-42.25	1.43
51	MP2C	Mx	.019	1.43
52	MP2C	X	-24.393	3.43
53	MP2C	Z	-42.25	3.43
54	MP2C	Mx	.019	3.43
55	MP1B	X	-76.455	.63
56	MP1B	Z	-132.424	.63
57	MP1B	Mx	.096	.63
58	MP1B	X	-76.455	5.88
59	MP1B	Z	-132.424	5.88
60	MP1B	Mx	.096	5.88
61	MP1C	X	-73.31	.63
62	MP1C	Z	-126.977	.63
63	MP1C	Mx	.14	.63
64	MP1C	X	-73.31	5.88
65	MP1C	Z	-126.977	5.88
66	MP1C	Mx	.14	5.88
67	MP4B	X	-76.455	.63
68	MP4B	Z	-132.424	.63
69	MP4B	Mx	.096	.63
70	MP4B	X	-76.455	5.88
71	MP4B	Z	-132.424	5.88
72	MP4B	Mx	.096	5.88
73	MP4C	X	-73.31	.63
74	MP4C	Z	-126.977	.63
75	MP4C	Mx	.14	.63
76	MP4C	X	-73.31	5.88
77	MP4C	Z	-126.977	5.88
78	MP4C	Mx	.14	5.88
79	MP1A	X	-59.472	.63
80	MP1A	Z	-103.009	.63
81	MP1A	Mx	-.124	.63
82	MP1A	X	-59.472	5.88
83	MP1A	Z	-103.009	5.88
84	MP1A	Mx	-.124	5.88
85	MP4A	X	-59.472	.63
86	MP4A	Z	-103.009	.63
87	MP4A	Mx	-.124	.63
88	MP4A	X	-59.472	5.88
89	MP4A	Z	-103.009	5.88
90	MP4A	Mx	-.124	5.88
91	MP3A	X	-4.593	4.5
92	MP3A	Z	-7.956	4.5
93	MP3A	Mx	.003	4.5
94	MP3B	X	-5.514	4.5
95	MP3B	Z	-9.55	4.5
96	MP3B	Mx	-.002	4.5
97	MP3C	X	-4.894	4.5
98	MP3C	Z	-8.476	4.5
99	MP3C	Mx	-.003	4.5
100	MP2A	X	-22.684	1
101	MP2A	Z	-39.29	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP2A	Mx	.025	1
103	MP2B	X	-27.689	1
104	MP2B	Z	-47.959	1
105	MP2B	Mx	-.017	1
106	MP2C	X	-24.318	1
107	MP2C	Z	-42.119	1
108	MP2C	Mx	-.023	1
109	MP3A	X	-19.808	1
110	MP3A	Z	-34.309	1
111	MP3A	Mx	.021	1
112	MP3B	X	-26.731	1
113	MP3B	Z	-46.299	1
114	MP3B	Mx	-.017	1
115	MP3C	X	-22.067	1
116	MP3C	Z	-38.222	1
117	MP3C	Mx	-.021	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.63
2	MP3A	Z	-18.396	1.63
3	MP3A	Mx	-.014	1.63
4	MP3A	X	0	5.13
5	MP3A	Z	-18.396	5.13
6	MP3A	Mx	-.014	5.13
7	MP3B	X	0	1.63
8	MP3B	Z	-26.997	1.63
9	MP3B	Mx	-.02	1.63
10	MP3B	X	0	5.13
11	MP3B	Z	-26.997	5.13
12	MP3B	Mx	-.02	5.13
13	MP3C	X	0	1.63
14	MP3C	Z	-18.655	1.63
15	MP3C	Mx	.016	1.63
16	MP3C	X	0	5.13
17	MP3C	Z	-18.655	5.13
18	MP3C	Mx	.016	5.13
19	MP3A	X	0	1.63
20	MP3A	Z	-18.396	1.63
21	MP3A	Mx	-.014	1.63
22	MP3A	X	0	5.13
23	MP3A	Z	-18.396	5.13
24	MP3A	Mx	-.014	5.13
25	MP3B	X	0	1.63
26	MP3B	Z	-26.997	1.63
27	MP3B	Mx	.02	1.63
28	MP3B	X	0	5.13
29	MP3B	Z	-26.997	5.13
30	MP3B	Mx	.02	5.13
31	MP3C	X	0	1.63
32	MP3C	Z	-18.655	1.63
33	MP3C	Mx	.011	1.63
34	MP3C	X	0	5.13
35	MP3C	Z	-18.655	5.13
36	MP3C	Mx	.011	5.13
37	MP2A	X	0	1.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2A	Z	-6.095	1.43
39	MP2A	Mx	-.003	1.43
40	MP2A	X	0	3.43
41	MP2A	Z	-6.095	3.43
42	MP2A	Mx	-.003	3.43
43	MP2B	X	0	1.43
44	MP2B	Z	-14.347	1.43
45	MP2B	Mx	0	1.43
46	MP2B	X	0	3.43
47	MP2B	Z	-14.347	3.43
48	MP2B	Mx	0	3.43
49	MP2C	X	0	1.43
50	MP2C	Z	-6.344	1.43
51	MP2C	Mx	.003	1.43
52	MP2C	X	0	3.43
53	MP2C	Z	-6.344	3.43
54	MP2C	Mx	.003	3.43
55	MP1B	X	0	.63
56	MP1B	Z	-28.719	.63
57	MP1B	Mx	0	.63
58	MP1B	X	0	5.88
59	MP1B	Z	-28.719	5.88
60	MP1B	Mx	0	5.88
61	MP1C	X	0	.63
62	MP1C	Z	-25.657	.63
63	MP1C	Mx	.032	.63
64	MP1C	X	0	5.88
65	MP1C	Z	-25.657	5.88
66	MP1C	Mx	.032	5.88
67	MP4B	X	0	.63
68	MP4B	Z	-28.719	.63
69	MP4B	Mx	0	.63
70	MP4B	X	0	5.88
71	MP4B	Z	-28.719	5.88
72	MP4B	Mx	0	5.88
73	MP4C	X	0	.63
74	MP4C	Z	-25.657	.63
75	MP4C	Mx	.032	.63
76	MP4C	X	0	5.88
77	MP4C	Z	-25.657	5.88
78	MP4C	Mx	.032	5.88
79	MP1A	X	0	.63
80	MP1A	Z	-22.229	.63
81	MP1A	Mx	-.027	.63
82	MP1A	X	0	5.88
83	MP1A	Z	-22.229	5.88
84	MP1A	Mx	-.027	5.88
85	MP4A	X	0	.63
86	MP4A	Z	-22.229	.63
87	MP4A	Mx	-.027	.63
88	MP4A	X	0	5.88
89	MP4A	Z	-22.229	5.88
90	MP4A	Mx	-.027	5.88
91	MP3A	X	0	4.5
92	MP3A	Z	-2.181	4.5
93	MP3A	Mx	.000909	4.5
94	MP3B	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP3B	Z	-2.913	4.5
96	MP3B	Mx	0	4.5
97	MP3C	X	0	4.5
98	MP3C	Z	-2.203	4.5
99	MP3C	Mx	-.000904	4.5
100	MP2A	X	0	1
101	MP2A	Z	-8.387	1
102	MP2A	Mx	.005	1
103	MP2B	X	0	1
104	MP2B	Z	-12.072	1
105	MP2B	Mx	0	1
106	MP2C	X	0	1
107	MP2C	Z	-8.498	1
108	MP2C	Mx	-.005	1
109	MP3A	X	0	1
110	MP3A	Z	-6.986	1
111	MP3A	Mx	.004	1
112	MP3B	X	0	1
113	MP3B	Z	-12.072	1
114	MP3B	Mx	0	1
115	MP3C	X	0	1
116	MP3C	Z	-7.14	1
117	MP3C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	10.273	1.63
2	MP3A	Z	-17.794	1.63
3	MP3A	Mx	-.006	1.63
4	MP3A	X	10.273	5.13
5	MP3A	Z	-17.794	5.13
6	MP3A	Mx	-.006	5.13
7	MP3B	X	12.424	1.63
8	MP3B	Z	-21.518	1.63
9	MP3B	Mx	-.025	1.63
10	MP3B	X	12.424	5.13
11	MP3B	Z	-21.518	5.13
12	MP3B	Mx	-.025	5.13
13	MP3C	X	9.701	1.63
14	MP3C	Z	-16.803	1.63
15	MP3C	Mx	.009	1.63
16	MP3C	X	9.701	5.13
17	MP3C	Z	-16.803	5.13
18	MP3C	Mx	.009	5.13
19	MP3A	X	10.273	1.63
20	MP3A	Z	-17.794	1.63
21	MP3A	Mx	-.021	1.63
22	MP3A	X	10.273	5.13
23	MP3A	Z	-17.794	5.13
24	MP3A	Mx	-.021	5.13
25	MP3B	X	12.424	1.63
26	MP3B	Z	-21.518	1.63
27	MP3B	Mx	.007	1.63
28	MP3B	X	12.424	5.13
29	MP3B	Z	-21.518	5.13
30	MP3B	Mx	.007	5.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP3C	X	9.701	1.63
32	MP3C	Z	-16.803	1.63
33	MP3C	Mx	.019	1.63
34	MP3C	X	9.701	5.13
35	MP3C	Z	-16.803	5.13
36	MP3C	Mx	.019	5.13
37	MP2A	X	4.079	1.43
38	MP2A	Z	-7.065	1.43
39	MP2A	Mx	-.004	1.43
40	MP2A	X	4.079	3.43
41	MP2A	Z	-7.065	3.43
42	MP2A	Mx	-.004	3.43
43	MP2B	X	6.142	1.43
44	MP2B	Z	-10.639	1.43
45	MP2B	Mx	-.003	1.43
46	MP2B	X	6.142	3.43
47	MP2B	Z	-10.639	3.43
48	MP2B	Mx	-.003	3.43
49	MP2C	X	3.53	1.43
50	MP2C	Z	-6.115	1.43
51	MP2C	Mx	.003	1.43
52	MP2C	X	3.53	3.43
53	MP2C	Z	-6.115	3.43
54	MP2C	Mx	.003	3.43
55	MP1B	X	13.965	.63
56	MP1B	Z	-24.188	.63
57	MP1B	Mx	-.017	.63
58	MP1B	X	13.965	5.88
59	MP1B	Z	-24.188	5.88
60	MP1B	Mx	-.017	5.88
61	MP1C	X	12.966	.63
62	MP1C	Z	-22.457	.63
63	MP1C	Mx	.03	.63
64	MP1C	X	12.966	5.88
65	MP1C	Z	-22.457	5.88
66	MP1C	Mx	.03	5.88
67	MP4B	X	13.965	.63
68	MP4B	Z	-24.188	.63
69	MP4B	Mx	-.017	.63
70	MP4B	X	13.965	5.88
71	MP4B	Z	-24.188	5.88
72	MP4B	Mx	-.017	5.88
73	MP4C	X	12.966	.63
74	MP4C	Z	-22.457	.63
75	MP4C	Mx	.03	.63
76	MP4C	X	12.966	5.88
77	MP4C	Z	-22.457	5.88
78	MP4C	Mx	.03	5.88
79	MP1A	X	11.236	.63
80	MP1A	Z	-19.462	.63
81	MP1A	Mx	-.024	.63
82	MP1A	X	11.236	5.88
83	MP1A	Z	-19.462	5.88
84	MP1A	Mx	-.024	5.88
85	MP4A	X	11.236	.63
86	MP4A	Z	-19.462	.63
87	MP4A	Mx	-.024	.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP4A	X	11.236	5.88
89	MP4A	Z	-19.462	5.88
90	MP4A	Mx	-.024	5.88
91	MP3A	X	1.182	4.5
92	MP3A	Z	-2.047	4.5
93	MP3A	Mx	.000853	4.5
94	MP3B	X	1.365	4.5
95	MP3B	Z	-2.364	4.5
96	MP3B	Mx	.000569	4.5
97	MP3C	X	1.133	4.5
98	MP3C	Z	-1.963	4.5
99	MP3C	Mx	-.000887	4.5
100	MP2A	X	4.654	1
101	MP2A	Z	-8.061	1
102	MP2A	Mx	.005	1
103	MP2B	X	5.575	1
104	MP2B	Z	-9.657	1
105	MP2B	Mx	.003	1
106	MP2C	X	4.409	1
107	MP2C	Z	-7.636	1
108	MP2C	Mx	-.005	1
109	MP3A	X	4.129	1
110	MP3A	Z	-7.151	1
111	MP3A	Mx	.004	1
112	MP3B	X	5.4	1
113	MP3B	Z	-9.353	1
114	MP3B	Mx	.003	1
115	MP3C	X	3.791	1
116	MP3C	Z	-6.566	1
117	MP3C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	21.518	1.63
2	MP3A	Z	-12.424	1.63
3	MP3A	Mx	.007	1.63
4	MP3A	X	21.518	5.13
5	MP3A	Z	-12.424	5.13
6	MP3A	Mx	.007	5.13
7	MP3B	X	17.794	1.63
8	MP3B	Z	-10.273	1.63
9	MP3B	Mx	-.021	1.63
10	MP3B	X	17.794	5.13
11	MP3B	Z	-10.273	5.13
12	MP3B	Mx	-.021	5.13
13	MP3C	X	20.303	1.63
14	MP3C	Z	-11.722	1.63
15	MP3C	Mx	-.002	1.63
16	MP3C	X	20.303	5.13
17	MP3C	Z	-11.722	5.13
18	MP3C	Mx	-.002	5.13
19	MP3A	X	21.518	1.63
20	MP3A	Z	-12.424	1.63
21	MP3A	Mx	-.025	1.63
22	MP3A	X	21.518	5.13
23	MP3A	Z	-12.424	5.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3A	Mx	-.025	5.13
25	MP3B	X	17.794	1.63
26	MP3B	Z	-10.273	1.63
27	MP3B	Mx	-.006	1.63
28	MP3B	X	17.794	5.13
29	MP3B	Z	-10.273	5.13
30	MP3B	Mx	-.006	5.13
31	MP3C	X	20.303	1.63
32	MP3C	Z	-11.722	1.63
33	MP3C	Mx	.025	1.63
34	MP3C	X	20.303	5.13
35	MP3C	Z	-11.722	5.13
36	MP3C	Mx	.025	5.13
37	MP2A	X	10.639	1.43
38	MP2A	Z	-6.142	1.43
39	MP2A	Mx	-.003	1.43
40	MP2A	X	10.639	3.43
41	MP2A	Z	-6.142	3.43
42	MP2A	Mx	-.003	3.43
43	MP2B	X	7.065	1.43
44	MP2B	Z	-4.079	1.43
45	MP2B	Mx	-.004	1.43
46	MP2B	X	7.065	3.43
47	MP2B	Z	-4.079	3.43
48	MP2B	Mx	-.004	3.43
49	MP2C	X	9.472	1.43
50	MP2C	Z	-5.469	1.43
51	MP2C	Mx	.004	1.43
52	MP2C	X	9.472	3.43
53	MP2C	Z	-5.469	3.43
54	MP2C	Mx	.004	3.43
55	MP1B	X	22.821	.63
56	MP1B	Z	-13.176	.63
57	MP1B	Mx	-.029	.63
58	MP1B	X	22.821	5.88
59	MP1B	Z	-13.176	5.88
60	MP1B	Mx	-.029	5.88
61	MP1C	X	23.742	.63
62	MP1C	Z	-13.707	.63
63	MP1C	Mx	.022	.63
64	MP1C	X	23.742	5.88
65	MP1C	Z	-13.707	5.88
66	MP1C	Mx	.022	5.88
67	MP4B	X	22.821	.63
68	MP4B	Z	-13.176	.63
69	MP4B	Mx	-.029	.63
70	MP4B	X	22.821	5.88
71	MP4B	Z	-13.176	5.88
72	MP4B	Mx	-.029	5.88
73	MP4C	X	23.742	.63
74	MP4C	Z	-13.707	.63
75	MP4C	Mx	.022	.63
76	MP4C	X	23.742	5.88
77	MP4C	Z	-13.707	5.88
78	MP4C	Mx	.022	5.88
79	MP1A	X	19.884	.63
80	MP1A	Z	-11.48	.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1A	Mx	-.014	.63
82	MP1A	X	19.884	5.88
83	MP1A	Z	-11.48	5.88
84	MP1A	Mx	-.014	5.88
85	MP4A	X	19.884	.63
86	MP4A	Z	-11.48	.63
87	MP4A	Mx	-.014	.63
88	MP4A	X	19.884	5.88
89	MP4A	Z	-11.48	5.88
90	MP4A	Mx	-.014	5.88
91	MP3A	X	2.364	4.5
92	MP3A	Z	-1.365	4.5
93	MP3A	Mx	.000569	4.5
94	MP3B	X	2.047	4.5
95	MP3B	Z	-1.182	4.5
96	MP3B	Mx	.000853	4.5
97	MP3C	X	2.261	4.5
98	MP3C	Z	-1.305	4.5
99	MP3C	Mx	-.000699	4.5
100	MP2A	X	9.657	1
101	MP2A	Z	-5.575	1
102	MP2A	Mx	.003	1
103	MP2B	X	8.061	1
104	MP2B	Z	-4.654	1
105	MP2B	Mx	.005	1
106	MP2C	X	9.136	1
107	MP2C	Z	-5.275	1
108	MP2C	Mx	-.004	1
109	MP3A	X	9.353	1
110	MP3A	Z	-5.4	1
111	MP3A	Mx	.003	1
112	MP3B	X	7.151	1
113	MP3B	Z	-4.129	1
114	MP3B	Mx	.004	1
115	MP3C	X	8.635	1
116	MP3C	Z	-4.985	1
117	MP3C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	26.997	1.63
2	MP3A	Z	0	1.63
3	MP3A	Mx	.02	1.63
4	MP3A	X	26.997	5.13
5	MP3A	Z	0	5.13
6	MP3A	Mx	.02	5.13
7	MP3B	X	18.396	1.63
8	MP3B	Z	0	1.63
9	MP3B	Mx	-.014	1.63
10	MP3B	X	18.396	5.13
11	MP3B	Z	0	5.13
12	MP3B	Mx	-.014	5.13
13	MP3C	X	26.738	1.63
14	MP3C	Z	0	1.63
15	MP3C	Mx	-.016	1.63
16	MP3C	X	26.738	5.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	0	5.13
18	MP3C	Mx	-.016	5.13
19	MP3A	X	26.997	1.63
20	MP3A	Z	0	1.63
21	MP3A	Mx	-.02	1.63
22	MP3A	X	26.997	5.13
23	MP3A	Z	0	5.13
24	MP3A	Mx	-.02	5.13
25	MP3B	X	18.396	1.63
26	MP3B	Z	0	1.63
27	MP3B	Mx	-.014	1.63
28	MP3B	X	18.396	5.13
29	MP3B	Z	0	5.13
30	MP3B	Mx	-.014	5.13
31	MP3C	X	26.738	1.63
32	MP3C	Z	0	1.63
33	MP3C	Mx	.023	1.63
34	MP3C	X	26.738	5.13
35	MP3C	Z	0	5.13
36	MP3C	Mx	.023	5.13
37	MP2A	X	14.347	1.43
38	MP2A	Z	0	1.43
39	MP2A	Mx	0	1.43
40	MP2A	X	14.347	3.43
41	MP2A	Z	0	3.43
42	MP2A	Mx	0	3.43
43	MP2B	X	6.095	1.43
44	MP2B	Z	0	1.43
45	MP2B	Mx	-.003	1.43
46	MP2B	X	6.095	3.43
47	MP2B	Z	0	3.43
48	MP2B	Mx	-.003	3.43
49	MP2C	X	14.098	1.43
50	MP2C	Z	0	1.43
51	MP2C	Mx	.001	1.43
52	MP2C	X	14.098	3.43
53	MP2C	Z	0	3.43
54	MP2C	Mx	.001	3.43
55	MP1B	X	25.562	.63
56	MP1B	Z	0	.63
57	MP1B	Mx	-.032	.63
58	MP1B	X	25.562	5.88
59	MP1B	Z	0	5.88
60	MP1B	Mx	-.032	5.88
61	MP1C	X	28.624	.63
62	MP1C	Z	0	.63
63	MP1C	Mx	.006	.63
64	MP1C	X	28.624	5.88
65	MP1C	Z	0	5.88
66	MP1C	Mx	.006	5.88
67	MP4B	X	25.562	.63
68	MP4B	Z	0	.63
69	MP4B	Mx	-.032	.63
70	MP4B	X	25.562	5.88
71	MP4B	Z	0	5.88
72	MP4B	Mx	-.032	5.88
73	MP4C	X	28.624	.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4C	Z	0	.63
75	MP4C	Mx	.006	.63
76	MP4C	X	28.624	5.88
77	MP4C	Z	0	5.88
78	MP4C	Mx	.006	5.88
79	MP1A	X	23.204	.63
80	MP1A	Z	0	.63
81	MP1A	Mx	0	.63
82	MP1A	X	23.204	5.88
83	MP1A	Z	0	5.88
84	MP1A	Mx	0	5.88
85	MP4A	X	23.204	.63
86	MP4A	Z	0	.63
87	MP4A	Mx	0	.63
88	MP4A	X	23.204	5.88
89	MP4A	Z	0	5.88
90	MP4A	Mx	0	5.88
91	MP3A	X	2.913	4.5
92	MP3A	Z	0	4.5
93	MP3A	Mx	0	4.5
94	MP3B	X	2.181	4.5
95	MP3B	Z	0	4.5
96	MP3B	Mx	.000909	4.5
97	MP3C	X	2.891	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	-.000209	4.5
100	MP2A	X	12.072	1
101	MP2A	Z	0	1
102	MP2A	Mx	0	1
103	MP2B	X	8.387	1
104	MP2B	Z	0	1
105	MP2B	Mx	.005	1
106	MP2C	X	11.96	1
107	MP2C	Z	0	1
108	MP2C	Mx	-.001	1
109	MP3A	X	12.072	1
110	MP3A	Z	0	1
111	MP3A	Mx	0	1
112	MP3B	X	6.986	1
113	MP3B	Z	0	1
114	MP3B	Mx	.004	1
115	MP3C	X	11.918	1
116	MP3C	Z	0	1
117	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	21.518	1.63
2	MP3A	Z	12.424	1.63
3	MP3A	Mx	.025	1.63
4	MP3A	X	21.518	5.13
5	MP3A	Z	12.424	5.13
6	MP3A	Mx	.025	5.13
7	MP3B	X	17.794	1.63
8	MP3B	Z	10.273	1.63
9	MP3B	Mx	-.006	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP3B	X	17.794	5.13
11	MP3B	Z	10.273	5.13
12	MP3B	Mx	-.006	5.13
13	MP3C	X	22.509	1.63
14	MP3C	Z	12.996	1.63
15	MP3C	Mx	-.025	1.63
16	MP3C	X	22.509	5.13
17	MP3C	Z	12.996	5.13
18	MP3C	Mx	-.025	5.13
19	MP3A	X	21.518	1.63
20	MP3A	Z	12.424	1.63
21	MP3A	Mx	-.007	1.63
22	MP3A	X	21.518	5.13
23	MP3A	Z	12.424	5.13
24	MP3A	Mx	-.007	5.13
25	MP3B	X	17.794	1.63
26	MP3B	Z	10.273	1.63
27	MP3B	Mx	-.021	1.63
28	MP3B	X	17.794	5.13
29	MP3B	Z	10.273	5.13
30	MP3B	Mx	-.021	5.13
31	MP3C	X	22.509	1.63
32	MP3C	Z	12.996	1.63
33	MP3C	Mx	.012	1.63
34	MP3C	X	22.509	5.13
35	MP3C	Z	12.996	5.13
36	MP3C	Mx	.012	5.13
37	MP2A	X	10.639	1.43
38	MP2A	Z	6.142	1.43
39	MP2A	Mx	.003	1.43
40	MP2A	X	10.639	3.43
41	MP2A	Z	6.142	3.43
42	MP2A	Mx	.003	3.43
43	MP2B	X	7.065	1.43
44	MP2B	Z	4.079	1.43
45	MP2B	Mx	-.004	1.43
46	MP2B	X	7.065	3.43
47	MP2B	Z	4.079	3.43
48	MP2B	Mx	-.004	3.43
49	MP2C	X	11.589	1.43
50	MP2C	Z	6.691	1.43
51	MP2C	Mx	-.002	1.43
52	MP2C	X	11.589	3.43
53	MP2C	Z	6.691	3.43
54	MP2C	Mx	-.002	3.43
55	MP1B	X	22.821	.63
56	MP1B	Z	13.176	.63
57	MP1B	Mx	-.029	.63
58	MP1B	X	22.821	5.88
59	MP1B	Z	13.176	5.88
60	MP1B	Mx	-.029	5.88
61	MP1C	X	24.552	.63
62	MP1C	Z	14.175	.63
63	MP1C	Mx	-.012	.63
64	MP1C	X	24.552	5.88
65	MP1C	Z	14.175	5.88
66	MP1C	Mx	-.012	5.88

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP4B	X	22.821	.63
68	MP4B	Z	13.176	.63
69	MP4B	Mx	-.029	.63
70	MP4B	X	22.821	5.88
71	MP4B	Z	13.176	5.88
72	MP4B	Mx	-.029	5.88
73	MP4C	X	24.552	.63
74	MP4C	Z	14.175	.63
75	MP4C	Mx	-.012	.63
76	MP4C	X	24.552	5.88
77	MP4C	Z	14.175	5.88
78	MP4C	Mx	-.012	5.88
79	MP1A	X	19.884	.63
80	MP1A	Z	11.48	.63
81	MP1A	Mx	.014	.63
82	MP1A	X	19.884	5.88
83	MP1A	Z	11.48	5.88
84	MP1A	Mx	.014	5.88
85	MP4A	X	19.884	.63
86	MP4A	Z	11.48	.63
87	MP4A	Mx	.014	.63
88	MP4A	X	19.884	5.88
89	MP4A	Z	11.48	5.88
90	MP4A	Mx	.014	5.88
91	MP3A	X	2.364	4.5
92	MP3A	Z	1.365	4.5
93	MP3A	Mx	-.000569	4.5
94	MP3B	X	2.047	4.5
95	MP3B	Z	1.182	4.5
96	MP3B	Mx	.000853	4.5
97	MP3C	X	2.448	4.5
98	MP3C	Z	1.414	4.5
99	MP3C	Mx	.000403	4.5
100	MP2A	X	9.657	1
101	MP2A	Z	5.575	1
102	MP2A	Mx	-.003	1
103	MP2B	X	8.061	1
104	MP2B	Z	4.654	1
105	MP2B	Mx	.005	1
106	MP2C	X	10.081	1
107	MP2C	Z	5.82	1
108	MP2C	Mx	.002	1
109	MP3A	X	9.353	1
110	MP3A	Z	5.4	1
111	MP3A	Mx	-.003	1
112	MP3B	X	7.151	1
113	MP3B	Z	4.129	1
114	MP3B	Mx	.004	1
115	MP3C	X	9.939	1
116	MP3C	Z	5.738	1
117	MP3C	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	10.273	1.63
2	MP3A	Z	17.794	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP3A	Mx	.021	1.63
4	MP3A	X	10.273	5.13
5	MP3A	Z	17.794	5.13
6	MP3A	Mx	.021	5.13
7	MP3B	X	12.424	1.63
8	MP3B	Z	21.518	1.63
9	MP3B	Mx	.007	1.63
10	MP3B	X	12.424	5.13
11	MP3B	Z	21.518	5.13
12	MP3B	Mx	.007	5.13
13	MP3C	X	10.975	1.63
14	MP3C	Z	19.009	1.63
15	MP3C	Mx	-.023	1.63
16	MP3C	X	10.975	5.13
17	MP3C	Z	19.009	5.13
18	MP3C	Mx	-.023	5.13
19	MP3A	X	10.273	1.63
20	MP3A	Z	17.794	1.63
21	MP3A	Mx	.006	1.63
22	MP3A	X	10.273	5.13
23	MP3A	Z	17.794	5.13
24	MP3A	Mx	.006	5.13
25	MP3B	X	12.424	1.63
26	MP3B	Z	21.518	1.63
27	MP3B	Mx	-.025	1.63
28	MP3B	X	12.424	5.13
29	MP3B	Z	21.518	5.13
30	MP3B	Mx	-.025	5.13
31	MP3C	X	10.975	1.63
32	MP3C	Z	19.009	1.63
33	MP3C	Mx	-.002	1.63
34	MP3C	X	10.975	5.13
35	MP3C	Z	19.009	5.13
36	MP3C	Mx	-.002	5.13
37	MP2A	X	4.079	1.43
38	MP2A	Z	7.065	1.43
39	MP2A	Mx	.004	1.43
40	MP2A	X	4.079	3.43
41	MP2A	Z	7.065	3.43
42	MP2A	Mx	.004	3.43
43	MP2B	X	6.142	1.43
44	MP2B	Z	10.639	1.43
45	MP2B	Mx	-.003	1.43
46	MP2B	X	6.142	3.43
47	MP2B	Z	10.639	3.43
48	MP2B	Mx	-.003	3.43
49	MP2C	X	4.752	1.43
50	MP2C	Z	8.232	1.43
51	MP2C	Mx	-.004	1.43
52	MP2C	X	4.752	3.43
53	MP2C	Z	8.232	3.43
54	MP2C	Mx	-.004	3.43
55	MP1B	X	13.965	.63
56	MP1B	Z	24.188	.63
57	MP1B	Mx	-.017	.63
58	MP1B	X	13.965	5.88
59	MP1B	Z	24.188	5.88

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1B	Mx	-.017	5.88
61	MP1C	X	13.433	.63
62	MP1C	Z	23.267	.63
63	MP1C	Mx	-.026	.63
64	MP1C	X	13.433	5.88
65	MP1C	Z	23.267	5.88
66	MP1C	Mx	-.026	5.88
67	MP4B	X	13.965	.63
68	MP4B	Z	24.188	.63
69	MP4B	Mx	-.017	.63
70	MP4B	X	13.965	5.88
71	MP4B	Z	24.188	5.88
72	MP4B	Mx	-.017	5.88
73	MP4C	X	13.433	.63
74	MP4C	Z	23.267	.63
75	MP4C	Mx	-.026	.63
76	MP4C	X	13.433	5.88
77	MP4C	Z	23.267	5.88
78	MP4C	Mx	-.026	5.88
79	MP1A	X	11.236	.63
80	MP1A	Z	19.462	.63
81	MP1A	Mx	.024	.63
82	MP1A	X	11.236	5.88
83	MP1A	Z	19.462	5.88
84	MP1A	Mx	.024	5.88
85	MP4A	X	11.236	.63
86	MP4A	Z	19.462	.63
87	MP4A	Mx	.024	.63
88	MP4A	X	11.236	5.88
89	MP4A	Z	19.462	5.88
90	MP4A	Mx	.024	5.88
91	MP3A	X	1.182	4.5
92	MP3A	Z	2.047	4.5
93	MP3A	Mx	-.000853	4.5
94	MP3B	X	1.365	4.5
95	MP3B	Z	2.364	4.5
96	MP3B	Mx	.000569	4.5
97	MP3C	X	1.242	4.5
98	MP3C	Z	2.151	4.5
99	MP3C	Mx	.000793	4.5
100	MP2A	X	4.654	1
101	MP2A	Z	8.061	1
102	MP2A	Mx	-.005	1
103	MP2B	X	5.575	1
104	MP2B	Z	9.657	1
105	MP2B	Mx	.003	1
106	MP2C	X	4.955	1
107	MP2C	Z	8.582	1
108	MP2C	Mx	.005	1
109	MP3A	X	4.129	1
110	MP3A	Z	7.151	1
111	MP3A	Mx	-.004	1
112	MP3B	X	5.4	1
113	MP3B	Z	9.353	1
114	MP3B	Mx	.003	1
115	MP3C	X	4.544	1
116	MP3C	Z	7.87	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP3C	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.63
2	MP3A	Z	18.396	1.63
3	MP3A	Mx	.014	1.63
4	MP3A	X	0	5.13
5	MP3A	Z	18.396	5.13
6	MP3A	Mx	.014	5.13
7	MP3B	X	0	1.63
8	MP3B	Z	26.997	1.63
9	MP3B	Mx	.02	1.63
10	MP3B	X	0	5.13
11	MP3B	Z	26.997	5.13
12	MP3B	Mx	.02	5.13
13	MP3C	X	0	1.63
14	MP3C	Z	18.655	1.63
15	MP3C	Mx	-.016	1.63
16	MP3C	X	0	5.13
17	MP3C	Z	18.655	5.13
18	MP3C	Mx	-.016	5.13
19	MP3A	X	0	1.63
20	MP3A	Z	18.396	1.63
21	MP3A	Mx	.014	1.63
22	MP3A	X	0	5.13
23	MP3A	Z	18.396	5.13
24	MP3A	Mx	.014	5.13
25	MP3B	X	0	1.63
26	MP3B	Z	26.997	1.63
27	MP3B	Mx	-.02	1.63
28	MP3B	X	0	5.13
29	MP3B	Z	26.997	5.13
30	MP3B	Mx	-.02	5.13
31	MP3C	X	0	1.63
32	MP3C	Z	18.655	1.63
33	MP3C	Mx	-.011	1.63
34	MP3C	X	0	5.13
35	MP3C	Z	18.655	5.13
36	MP3C	Mx	-.011	5.13
37	MP2A	X	0	1.43
38	MP2A	Z	6.095	1.43
39	MP2A	Mx	.003	1.43
40	MP2A	X	0	3.43
41	MP2A	Z	6.095	3.43
42	MP2A	Mx	.003	3.43
43	MP2B	X	0	1.43
44	MP2B	Z	14.347	1.43
45	MP2B	Mx	0	1.43
46	MP2B	X	0	3.43
47	MP2B	Z	14.347	3.43
48	MP2B	Mx	0	3.43
49	MP2C	X	0	1.43
50	MP2C	Z	6.344	1.43
51	MP2C	Mx	-.003	1.43
52	MP2C	X	0	3.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	6.344	3.43
54	MP2C	Mx	-.003	3.43
55	MP1B	X	0	.63
56	MP1B	Z	28.719	.63
57	MP1B	Mx	0	.63
58	MP1B	X	0	5.88
59	MP1B	Z	28.719	5.88
60	MP1B	Mx	0	5.88
61	MP1C	X	0	.63
62	MP1C	Z	25.657	.63
63	MP1C	Mx	-.032	.63
64	MP1C	X	0	5.88
65	MP1C	Z	25.657	5.88
66	MP1C	Mx	-.032	5.88
67	MP4B	X	0	.63
68	MP4B	Z	28.719	.63
69	MP4B	Mx	0	.63
70	MP4B	X	0	5.88
71	MP4B	Z	28.719	5.88
72	MP4B	Mx	0	5.88
73	MP4C	X	0	.63
74	MP4C	Z	25.657	.63
75	MP4C	Mx	-.032	.63
76	MP4C	X	0	5.88
77	MP4C	Z	25.657	5.88
78	MP4C	Mx	-.032	5.88
79	MP1A	X	0	.63
80	MP1A	Z	22.229	.63
81	MP1A	Mx	.027	.63
82	MP1A	X	0	5.88
83	MP1A	Z	22.229	5.88
84	MP1A	Mx	.027	5.88
85	MP4A	X	0	.63
86	MP4A	Z	22.229	.63
87	MP4A	Mx	.027	.63
88	MP4A	X	0	5.88
89	MP4A	Z	22.229	5.88
90	MP4A	Mx	.027	5.88
91	MP3A	X	0	4.5
92	MP3A	Z	2.181	4.5
93	MP3A	Mx	-.000909	4.5
94	MP3B	X	0	4.5
95	MP3B	Z	2.913	4.5
96	MP3B	Mx	0	4.5
97	MP3C	X	0	4.5
98	MP3C	Z	2.203	4.5
99	MP3C	Mx	.000904	4.5
100	MP2A	X	0	1
101	MP2A	Z	8.387	1
102	MP2A	Mx	-.005	1
103	MP2B	X	0	1
104	MP2B	Z	12.072	1
105	MP2B	Mx	0	1
106	MP2C	X	0	1
107	MP2C	Z	8.498	1
108	MP2C	Mx	.005	1
109	MP3A	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP3A	Z	6.986	1
111	MP3A	Mx	-.004	1
112	MP3B	X	0	1
113	MP3B	Z	12.072	1
114	MP3B	Mx	0	1
115	MP3C	X	0	1
116	MP3C	Z	7.14	1
117	MP3C	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-10.273	1.63
2	MP3A	Z	17.794	1.63
3	MP3A	Mx	.006	1.63
4	MP3A	X	-10.273	5.13
5	MP3A	Z	17.794	5.13
6	MP3A	Mx	.006	5.13
7	MP3B	X	-12.424	1.63
8	MP3B	Z	21.518	1.63
9	MP3B	Mx	.025	1.63
10	MP3B	X	-12.424	5.13
11	MP3B	Z	21.518	5.13
12	MP3B	Mx	.025	5.13
13	MP3C	X	-9.701	1.63
14	MP3C	Z	16.803	1.63
15	MP3C	Mx	-.009	1.63
16	MP3C	X	-9.701	5.13
17	MP3C	Z	16.803	5.13
18	MP3C	Mx	-.009	5.13
19	MP3A	X	-10.273	1.63
20	MP3A	Z	17.794	1.63
21	MP3A	Mx	.021	1.63
22	MP3A	X	-10.273	5.13
23	MP3A	Z	17.794	5.13
24	MP3A	Mx	.021	5.13
25	MP3B	X	-12.424	1.63
26	MP3B	Z	21.518	1.63
27	MP3B	Mx	-.007	1.63
28	MP3B	X	-12.424	5.13
29	MP3B	Z	21.518	5.13
30	MP3B	Mx	-.007	5.13
31	MP3C	X	-9.701	1.63
32	MP3C	Z	16.803	1.63
33	MP3C	Mx	-.019	1.63
34	MP3C	X	-9.701	5.13
35	MP3C	Z	16.803	5.13
36	MP3C	Mx	-.019	5.13
37	MP2A	X	-4.079	1.43
38	MP2A	Z	7.065	1.43
39	MP2A	Mx	.004	1.43
40	MP2A	X	-4.079	3.43
41	MP2A	Z	7.065	3.43
42	MP2A	Mx	.004	3.43
43	MP2B	X	-6.142	1.43
44	MP2B	Z	10.639	1.43
45	MP2B	Mx	.003	1.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	-6.142	3.43
47	MP2B	Z	10.639	3.43
48	MP2B	Mx	.003	3.43
49	MP2C	X	-3.53	1.43
50	MP2C	Z	6.115	1.43
51	MP2C	Mx	-.003	1.43
52	MP2C	X	-3.53	3.43
53	MP2C	Z	6.115	3.43
54	MP2C	Mx	-.003	3.43
55	MP1B	X	-13.965	.63
56	MP1B	Z	24.188	.63
57	MP1B	Mx	.017	.63
58	MP1B	X	-13.965	5.88
59	MP1B	Z	24.188	5.88
60	MP1B	Mx	.017	5.88
61	MP1C	X	-12.966	.63
62	MP1C	Z	22.457	.63
63	MP1C	Mx	-.03	.63
64	MP1C	X	-12.966	5.88
65	MP1C	Z	22.457	5.88
66	MP1C	Mx	-.03	5.88
67	MP4B	X	-13.965	.63
68	MP4B	Z	24.188	.63
69	MP4B	Mx	.017	.63
70	MP4B	X	-13.965	5.88
71	MP4B	Z	24.188	5.88
72	MP4B	Mx	.017	5.88
73	MP4C	X	-12.966	.63
74	MP4C	Z	22.457	.63
75	MP4C	Mx	-.03	.63
76	MP4C	X	-12.966	5.88
77	MP4C	Z	22.457	5.88
78	MP4C	Mx	-.03	5.88
79	MP1A	X	-11.236	.63
80	MP1A	Z	19.462	.63
81	MP1A	Mx	.024	.63
82	MP1A	X	-11.236	5.88
83	MP1A	Z	19.462	5.88
84	MP1A	Mx	.024	5.88
85	MP4A	X	-11.236	.63
86	MP4A	Z	19.462	.63
87	MP4A	Mx	.024	.63
88	MP4A	X	-11.236	5.88
89	MP4A	Z	19.462	5.88
90	MP4A	Mx	.024	5.88
91	MP3A	X	-1.182	4.5
92	MP3A	Z	2.047	4.5
93	MP3A	Mx	-.000853	4.5
94	MP3B	X	-1.365	4.5
95	MP3B	Z	2.364	4.5
96	MP3B	Mx	-.000569	4.5
97	MP3C	X	-1.133	4.5
98	MP3C	Z	1.963	4.5
99	MP3C	Mx	.000887	4.5
100	MP2A	X	-4.654	1
101	MP2A	Z	8.061	1
102	MP2A	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP2B	X	-5.575	1
104	MP2B	Z	9.657	1
105	MP2B	Mx	-.003	1
106	MP2C	X	-4.409	1
107	MP2C	Z	7.636	1
108	MP2C	Mx	.005	1
109	MP3A	X	-4.129	1
110	MP3A	Z	7.151	1
111	MP3A	Mx	-.004	1
112	MP3B	X	-5.4	1
113	MP3B	Z	9.353	1
114	MP3B	Mx	-.003	1
115	MP3C	X	-3.791	1
116	MP3C	Z	6.566	1
117	MP3C	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-21.518	1.63
2	MP3A	Z	12.424	1.63
3	MP3A	Mx	-.007	1.63
4	MP3A	X	-21.518	5.13
5	MP3A	Z	12.424	5.13
6	MP3A	Mx	-.007	5.13
7	MP3B	X	-17.794	1.63
8	MP3B	Z	10.273	1.63
9	MP3B	Mx	.021	1.63
10	MP3B	X	-17.794	5.13
11	MP3B	Z	10.273	5.13
12	MP3B	Mx	.021	5.13
13	MP3C	X	-20.303	1.63
14	MP3C	Z	11.722	1.63
15	MP3C	Mx	.002	1.63
16	MP3C	X	-20.303	5.13
17	MP3C	Z	11.722	5.13
18	MP3C	Mx	.002	5.13
19	MP3A	X	-21.518	1.63
20	MP3A	Z	12.424	1.63
21	MP3A	Mx	.025	1.63
22	MP3A	X	-21.518	5.13
23	MP3A	Z	12.424	5.13
24	MP3A	Mx	.025	5.13
25	MP3B	X	-17.794	1.63
26	MP3B	Z	10.273	1.63
27	MP3B	Mx	.006	1.63
28	MP3B	X	-17.794	5.13
29	MP3B	Z	10.273	5.13
30	MP3B	Mx	.006	5.13
31	MP3C	X	-20.303	1.63
32	MP3C	Z	11.722	1.63
33	MP3C	Mx	-.025	1.63
34	MP3C	X	-20.303	5.13
35	MP3C	Z	11.722	5.13
36	MP3C	Mx	-.025	5.13
37	MP2A	X	-10.639	1.43
38	MP2A	Z	6.142	1.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP2A	Mx	.003	1.43
40	MP2A	X	-10.639	3.43
41	MP2A	Z	6.142	3.43
42	MP2A	Mx	.003	3.43
43	MP2B	X	-7.065	1.43
44	MP2B	Z	4.079	1.43
45	MP2B	Mx	.004	1.43
46	MP2B	X	-7.065	3.43
47	MP2B	Z	4.079	3.43
48	MP2B	Mx	.004	3.43
49	MP2C	X	-9.472	1.43
50	MP2C	Z	5.469	1.43
51	MP2C	Mx	-.004	1.43
52	MP2C	X	-9.472	3.43
53	MP2C	Z	5.469	3.43
54	MP2C	Mx	-.004	3.43
55	MP1B	X	-22.821	.63
56	MP1B	Z	13.176	.63
57	MP1B	Mx	.029	.63
58	MP1B	X	-22.821	5.88
59	MP1B	Z	13.176	5.88
60	MP1B	Mx	.029	5.88
61	MP1C	X	-23.742	.63
62	MP1C	Z	13.707	.63
63	MP1C	Mx	-.022	.63
64	MP1C	X	-23.742	5.88
65	MP1C	Z	13.707	5.88
66	MP1C	Mx	-.022	5.88
67	MP4B	X	-22.821	.63
68	MP4B	Z	13.176	.63
69	MP4B	Mx	.029	.63
70	MP4B	X	-22.821	5.88
71	MP4B	Z	13.176	5.88
72	MP4B	Mx	.029	5.88
73	MP4C	X	-23.742	.63
74	MP4C	Z	13.707	.63
75	MP4C	Mx	-.022	.63
76	MP4C	X	-23.742	5.88
77	MP4C	Z	13.707	5.88
78	MP4C	Mx	-.022	5.88
79	MP1A	X	-19.884	.63
80	MP1A	Z	11.48	.63
81	MP1A	Mx	.014	.63
82	MP1A	X	-19.884	5.88
83	MP1A	Z	11.48	5.88
84	MP1A	Mx	.014	5.88
85	MP4A	X	-19.884	.63
86	MP4A	Z	11.48	.63
87	MP4A	Mx	.014	.63
88	MP4A	X	-19.884	5.88
89	MP4A	Z	11.48	5.88
90	MP4A	Mx	.014	5.88
91	MP3A	X	-2.364	4.5
92	MP3A	Z	1.365	4.5
93	MP3A	Mx	-.000569	4.5
94	MP3B	X	-2.047	4.5
95	MP3B	Z	1.182	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP3B	Mx	-.000853	4.5
97	MP3C	X	-2.261	4.5
98	MP3C	Z	1.305	4.5
99	MP3C	Mx	.000699	4.5
100	MP2A	X	-9.657	1
101	MP2A	Z	5.575	1
102	MP2A	Mx	-.003	1
103	MP2B	X	-8.061	1
104	MP2B	Z	4.654	1
105	MP2B	Mx	-.005	1
106	MP2C	X	-9.136	1
107	MP2C	Z	5.275	1
108	MP2C	Mx	.004	1
109	MP3A	X	-9.353	1
110	MP3A	Z	5.4	1
111	MP3A	Mx	-.003	1
112	MP3B	X	-7.151	1
113	MP3B	Z	4.129	1
114	MP3B	Mx	-.004	1
115	MP3C	X	-8.635	1
116	MP3C	Z	4.985	1
117	MP3C	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-26.997	1.63
2	MP3A	Z	0	1.63
3	MP3A	Mx	-.02	1.63
4	MP3A	X	-26.997	5.13
5	MP3A	Z	0	5.13
6	MP3A	Mx	-.02	5.13
7	MP3B	X	-18.396	1.63
8	MP3B	Z	0	1.63
9	MP3B	Mx	.014	1.63
10	MP3B	X	-18.396	5.13
11	MP3B	Z	0	5.13
12	MP3B	Mx	.014	5.13
13	MP3C	X	-26.738	1.63
14	MP3C	Z	0	1.63
15	MP3C	Mx	.016	1.63
16	MP3C	X	-26.738	5.13
17	MP3C	Z	0	5.13
18	MP3C	Mx	.016	5.13
19	MP3A	X	-26.997	1.63
20	MP3A	Z	0	1.63
21	MP3A	Mx	.02	1.63
22	MP3A	X	-26.997	5.13
23	MP3A	Z	0	5.13
24	MP3A	Mx	.02	5.13
25	MP3B	X	-18.396	1.63
26	MP3B	Z	0	1.63
27	MP3B	Mx	.014	1.63
28	MP3B	X	-18.396	5.13
29	MP3B	Z	0	5.13
30	MP3B	Mx	.014	5.13
31	MP3C	X	-26.738	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP3C	Z	0	1.63
33	MP3C	Mx	-.023	1.63
34	MP3C	X	-26.738	5.13
35	MP3C	Z	0	5.13
36	MP3C	Mx	-.023	5.13
37	MP2A	X	-14.347	1.43
38	MP2A	Z	0	1.43
39	MP2A	Mx	0	1.43
40	MP2A	X	-14.347	3.43
41	MP2A	Z	0	3.43
42	MP2A	Mx	0	3.43
43	MP2B	X	-6.095	1.43
44	MP2B	Z	0	1.43
45	MP2B	Mx	.003	1.43
46	MP2B	X	-6.095	3.43
47	MP2B	Z	0	3.43
48	MP2B	Mx	.003	3.43
49	MP2C	X	-14.098	1.43
50	MP2C	Z	0	1.43
51	MP2C	Mx	-.001	1.43
52	MP2C	X	-14.098	3.43
53	MP2C	Z	0	3.43
54	MP2C	Mx	-.001	3.43
55	MP1B	X	-25.562	.63
56	MP1B	Z	0	.63
57	MP1B	Mx	.032	.63
58	MP1B	X	-25.562	5.88
59	MP1B	Z	0	5.88
60	MP1B	Mx	.032	5.88
61	MP1C	X	-28.624	.63
62	MP1C	Z	0	.63
63	MP1C	Mx	-.006	.63
64	MP1C	X	-28.624	5.88
65	MP1C	Z	0	5.88
66	MP1C	Mx	-.006	5.88
67	MP4B	X	-25.562	.63
68	MP4B	Z	0	.63
69	MP4B	Mx	.032	.63
70	MP4B	X	-25.562	5.88
71	MP4B	Z	0	5.88
72	MP4B	Mx	.032	5.88
73	MP4C	X	-28.624	.63
74	MP4C	Z	0	.63
75	MP4C	Mx	-.006	.63
76	MP4C	X	-28.624	5.88
77	MP4C	Z	0	5.88
78	MP4C	Mx	-.006	5.88
79	MP1A	X	-23.204	.63
80	MP1A	Z	0	.63
81	MP1A	Mx	0	.63
82	MP1A	X	-23.204	5.88
83	MP1A	Z	0	5.88
84	MP1A	Mx	0	5.88
85	MP4A	X	-23.204	.63
86	MP4A	Z	0	.63
87	MP4A	Mx	0	.63
88	MP4A	X	-23.204	5.88

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP4A	Z	0	5.88
90	MP4A	Mx	0	5.88
91	MP3A	X	-2.913	4.5
92	MP3A	Z	0	4.5
93	MP3A	Mx	0	4.5
94	MP3B	X	-2.181	4.5
95	MP3B	Z	0	4.5
96	MP3B	Mx	-.000909	4.5
97	MP3C	X	-2.891	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	.000209	4.5
100	MP2A	X	-12.072	1
101	MP2A	Z	0	1
102	MP2A	Mx	0	1
103	MP2B	X	-8.387	1
104	MP2B	Z	0	1
105	MP2B	Mx	-.005	1
106	MP2C	X	-11.96	1
107	MP2C	Z	0	1
108	MP2C	Mx	.001	1
109	MP3A	X	-12.072	1
110	MP3A	Z	0	1
111	MP3A	Mx	0	1
112	MP3B	X	-6.986	1
113	MP3B	Z	0	1
114	MP3B	Mx	-.004	1
115	MP3C	X	-11.918	1
116	MP3C	Z	0	1
117	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-21.518	1.63
2	MP3A	Z	-12.424	1.63
3	MP3A	Mx	-.025	1.63
4	MP3A	X	-21.518	5.13
5	MP3A	Z	-12.424	5.13
6	MP3A	Mx	-.025	5.13
7	MP3B	X	-17.794	1.63
8	MP3B	Z	-10.273	1.63
9	MP3B	Mx	.006	1.63
10	MP3B	X	-17.794	5.13
11	MP3B	Z	-10.273	5.13
12	MP3B	Mx	.006	5.13
13	MP3C	X	-22.509	1.63
14	MP3C	Z	-12.996	1.63
15	MP3C	Mx	.025	1.63
16	MP3C	X	-22.509	5.13
17	MP3C	Z	-12.996	5.13
18	MP3C	Mx	.025	5.13
19	MP3A	X	-21.518	1.63
20	MP3A	Z	-12.424	1.63
21	MP3A	Mx	.007	1.63
22	MP3A	X	-21.518	5.13
23	MP3A	Z	-12.424	5.13
24	MP3A	Mx	.007	5.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	-17.794	1.63
26	MP3B	Z	-10.273	1.63
27	MP3B	Mx	.021	1.63
28	MP3B	X	-17.794	5.13
29	MP3B	Z	-10.273	5.13
30	MP3B	Mx	.021	5.13
31	MP3C	X	-22.509	1.63
32	MP3C	Z	-12.996	1.63
33	MP3C	Mx	-.012	1.63
34	MP3C	X	-22.509	5.13
35	MP3C	Z	-12.996	5.13
36	MP3C	Mx	-.012	5.13
37	MP2A	X	-10.639	1.43
38	MP2A	Z	-6.142	1.43
39	MP2A	Mx	-.003	1.43
40	MP2A	X	-10.639	3.43
41	MP2A	Z	-6.142	3.43
42	MP2A	Mx	-.003	3.43
43	MP2B	X	-7.065	1.43
44	MP2B	Z	-4.079	1.43
45	MP2B	Mx	.004	1.43
46	MP2B	X	-7.065	3.43
47	MP2B	Z	-4.079	3.43
48	MP2B	Mx	.004	3.43
49	MP2C	X	-11.589	1.43
50	MP2C	Z	-6.691	1.43
51	MP2C	Mx	.002	1.43
52	MP2C	X	-11.589	3.43
53	MP2C	Z	-6.691	3.43
54	MP2C	Mx	.002	3.43
55	MP1B	X	-22.821	.63
56	MP1B	Z	-13.176	.63
57	MP1B	Mx	.029	.63
58	MP1B	X	-22.821	5.88
59	MP1B	Z	-13.176	5.88
60	MP1B	Mx	.029	5.88
61	MP1C	X	-24.552	.63
62	MP1C	Z	-14.175	.63
63	MP1C	Mx	.012	.63
64	MP1C	X	-24.552	5.88
65	MP1C	Z	-14.175	5.88
66	MP1C	Mx	.012	5.88
67	MP4B	X	-22.821	.63
68	MP4B	Z	-13.176	.63
69	MP4B	Mx	.029	.63
70	MP4B	X	-22.821	5.88
71	MP4B	Z	-13.176	5.88
72	MP4B	Mx	.029	5.88
73	MP4C	X	-24.552	.63
74	MP4C	Z	-14.175	.63
75	MP4C	Mx	.012	.63
76	MP4C	X	-24.552	5.88
77	MP4C	Z	-14.175	5.88
78	MP4C	Mx	.012	5.88
79	MP1A	X	-19.884	.63
80	MP1A	Z	-11.48	.63
81	MP1A	Mx	-.014	.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1A	X	-19.884	5.88
83	MP1A	Z	-11.48	5.88
84	MP1A	Mx	-.014	5.88
85	MP4A	X	-19.884	.63
86	MP4A	Z	-11.48	.63
87	MP4A	Mx	-.014	.63
88	MP4A	X	-19.884	5.88
89	MP4A	Z	-11.48	5.88
90	MP4A	Mx	-.014	5.88
91	MP3A	X	-2.364	4.5
92	MP3A	Z	-1.365	4.5
93	MP3A	Mx	.000569	4.5
94	MP3B	X	-2.047	4.5
95	MP3B	Z	-1.182	4.5
96	MP3B	Mx	-.000853	4.5
97	MP3C	X	-2.448	4.5
98	MP3C	Z	-1.414	4.5
99	MP3C	Mx	-.000403	4.5
100	MP2A	X	-9.657	1
101	MP2A	Z	-5.575	1
102	MP2A	Mx	.003	1
103	MP2B	X	-8.061	1
104	MP2B	Z	-4.654	1
105	MP2B	Mx	-.005	1
106	MP2C	X	-10.081	1
107	MP2C	Z	-5.82	1
108	MP2C	Mx	-.002	1
109	MP3A	X	-9.353	1
110	MP3A	Z	-5.4	1
111	MP3A	Mx	.003	1
112	MP3B	X	-7.151	1
113	MP3B	Z	-4.129	1
114	MP3B	Mx	-.004	1
115	MP3C	X	-9.939	1
116	MP3C	Z	-5.738	1
117	MP3C	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-10.273	1.63
2	MP3A	Z	-17.794	1.63
3	MP3A	Mx	-.021	1.63
4	MP3A	X	-10.273	5.13
5	MP3A	Z	-17.794	5.13
6	MP3A	Mx	-.021	5.13
7	MP3B	X	-12.424	1.63
8	MP3B	Z	-21.518	1.63
9	MP3B	Mx	-.007	1.63
10	MP3B	X	-12.424	5.13
11	MP3B	Z	-21.518	5.13
12	MP3B	Mx	-.007	5.13
13	MP3C	X	-10.975	1.63
14	MP3C	Z	-19.009	1.63
15	MP3C	Mx	.023	1.63
16	MP3C	X	-10.975	5.13
17	MP3C	Z	-19.009	5.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	.023	5.13
19	MP3A	X	-10.273	1.63
20	MP3A	Z	-17.794	1.63
21	MP3A	Mx	-.006	1.63
22	MP3A	X	-10.273	5.13
23	MP3A	Z	-17.794	5.13
24	MP3A	Mx	-.006	5.13
25	MP3B	X	-12.424	1.63
26	MP3B	Z	-21.518	1.63
27	MP3B	Mx	.025	1.63
28	MP3B	X	-12.424	5.13
29	MP3B	Z	-21.518	5.13
30	MP3B	Mx	.025	5.13
31	MP3C	X	-10.975	1.63
32	MP3C	Z	-19.009	1.63
33	MP3C	Mx	.002	1.63
34	MP3C	X	-10.975	5.13
35	MP3C	Z	-19.009	5.13
36	MP3C	Mx	.002	5.13
37	MP2A	X	-4.079	1.43
38	MP2A	Z	-7.065	1.43
39	MP2A	Mx	-.004	1.43
40	MP2A	X	-4.079	3.43
41	MP2A	Z	-7.065	3.43
42	MP2A	Mx	-.004	3.43
43	MP2B	X	-6.142	1.43
44	MP2B	Z	-10.639	1.43
45	MP2B	Mx	.003	1.43
46	MP2B	X	-6.142	3.43
47	MP2B	Z	-10.639	3.43
48	MP2B	Mx	.003	3.43
49	MP2C	X	-4.752	1.43
50	MP2C	Z	-8.232	1.43
51	MP2C	Mx	.004	1.43
52	MP2C	X	-4.752	3.43
53	MP2C	Z	-8.232	3.43
54	MP2C	Mx	.004	3.43
55	MP1B	X	-13.965	.63
56	MP1B	Z	-24.188	.63
57	MP1B	Mx	.017	.63
58	MP1B	X	-13.965	5.88
59	MP1B	Z	-24.188	5.88
60	MP1B	Mx	.017	5.88
61	MP1C	X	-13.433	.63
62	MP1C	Z	-23.267	.63
63	MP1C	Mx	.026	.63
64	MP1C	X	-13.433	5.88
65	MP1C	Z	-23.267	5.88
66	MP1C	Mx	.026	5.88
67	MP4B	X	-13.965	.63
68	MP4B	Z	-24.188	.63
69	MP4B	Mx	.017	.63
70	MP4B	X	-13.965	5.88
71	MP4B	Z	-24.188	5.88
72	MP4B	Mx	.017	5.88
73	MP4C	X	-13.433	.63
74	MP4C	Z	-23.267	.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP4C	Mx	.026	.63
76	MP4C	X	-13.433	5.88
77	MP4C	Z	-23.267	5.88
78	MP4C	Mx	.026	5.88
79	MP1A	X	-11.236	.63
80	MP1A	Z	-19.462	.63
81	MP1A	Mx	-.024	.63
82	MP1A	X	-11.236	5.88
83	MP1A	Z	-19.462	5.88
84	MP1A	Mx	-.024	5.88
85	MP4A	X	-11.236	.63
86	MP4A	Z	-19.462	.63
87	MP4A	Mx	-.024	.63
88	MP4A	X	-11.236	5.88
89	MP4A	Z	-19.462	5.88
90	MP4A	Mx	-.024	5.88
91	MP3A	X	-1.182	4.5
92	MP3A	Z	-2.047	4.5
93	MP3A	Mx	.000853	4.5
94	MP3B	X	-1.365	4.5
95	MP3B	Z	-2.364	4.5
96	MP3B	Mx	-.000569	4.5
97	MP3C	X	-1.242	4.5
98	MP3C	Z	-2.151	4.5
99	MP3C	Mx	-.000793	4.5
100	MP2A	X	-4.654	1
101	MP2A	Z	-8.061	1
102	MP2A	Mx	.005	1
103	MP2B	X	-5.575	1
104	MP2B	Z	-9.657	1
105	MP2B	Mx	-.003	1
106	MP2C	X	-4.955	1
107	MP2C	Z	-8.582	1
108	MP2C	Mx	-.005	1
109	MP3A	X	-4.129	1
110	MP3A	Z	-7.151	1
111	MP3A	Mx	.004	1
112	MP3B	X	-5.4	1
113	MP3B	Z	-9.353	1
114	MP3B	Mx	-.003	1
115	MP3C	X	-4.544	1
116	MP3C	Z	-7.87	1
117	MP3C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.63
2	MP3A	Z	-5.841	1.63
3	MP3A	Mx	-.004	1.63
4	MP3A	X	0	5.13
5	MP3A	Z	-5.841	5.13
6	MP3A	Mx	-.004	5.13
7	MP3B	X	0	1.63
8	MP3B	Z	-8.894	1.63
9	MP3B	Mx	-.007	1.63
10	MP3B	X	0	5.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3B	Z	-8.894	5.13
12	MP3B	Mx	-.007	5.13
13	MP3C	X	0	1.63
14	MP3C	Z	-5.933	1.63
15	MP3C	Mx	.005	1.63
16	MP3C	X	0	5.13
17	MP3C	Z	-5.933	5.13
18	MP3C	Mx	.005	5.13
19	MP3A	X	0	1.63
20	MP3A	Z	-5.841	1.63
21	MP3A	Mx	-.004	1.63
22	MP3A	X	0	5.13
23	MP3A	Z	-5.841	5.13
24	MP3A	Mx	-.004	5.13
25	MP3B	X	0	1.63
26	MP3B	Z	-8.894	1.63
27	MP3B	Mx	.007	1.63
28	MP3B	X	0	5.13
29	MP3B	Z	-8.894	5.13
30	MP3B	Mx	.007	5.13
31	MP3C	X	0	1.63
32	MP3C	Z	-5.933	1.63
33	MP3C	Mx	.004	1.63
34	MP3C	X	0	5.13
35	MP3C	Z	-5.933	5.13
36	MP3C	Mx	.004	5.13
37	MP2A	X	0	1.43
38	MP2A	Z	-1.796	1.43
39	MP2A	Mx	-.000898	1.43
40	MP2A	X	0	3.43
41	MP2A	Z	-1.796	3.43
42	MP2A	Mx	-.000898	3.43
43	MP2B	X	0	1.43
44	MP2B	Z	-4.588	1.43
45	MP2B	Mx	0	1.43
46	MP2B	X	0	3.43
47	MP2B	Z	-4.588	3.43
48	MP2B	Mx	0	3.43
49	MP2C	X	0	1.43
50	MP2C	Z	-1.881	1.43
51	MP2C	Mx	.000926	1.43
52	MP2C	X	0	3.43
53	MP2C	Z	-1.881	3.43
54	MP2C	Mx	.000926	3.43
55	MP1B	X	0	.63
56	MP1B	Z	-9.528	.63
57	MP1B	Mx	0	.63
58	MP1B	X	0	5.88
59	MP1B	Z	-9.528	5.88
60	MP1B	Mx	0	5.88
61	MP1C	X	0	.63
62	MP1C	Z	-8.433	.63
63	MP1C	Mx	.01	.63
64	MP1C	X	0	5.88
65	MP1C	Z	-8.433	5.88
66	MP1C	Mx	.01	5.88
67	MP4B	X	0	.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP4B	Z	-9.528	.63
69	MP4B	Mx	0	.63
70	MP4B	X	0	5.88
71	MP4B	Z	-9.528	5.88
72	MP4B	Mx	0	5.88
73	MP4C	X	0	.63
74	MP4C	Z	-8.433	.63
75	MP4C	Mx	.01	.63
76	MP4C	X	0	5.88
77	MP4C	Z	-8.433	5.88
78	MP4C	Mx	.01	5.88
79	MP1A	X	0	.63
80	MP1A	Z	-7.113	.63
81	MP1A	Mx	-.009	.63
82	MP1A	X	0	5.88
83	MP1A	Z	-7.113	5.88
84	MP1A	Mx	-.009	5.88
85	MP4A	X	0	.63
86	MP4A	Z	-7.113	.63
87	MP4A	Mx	-.009	.63
88	MP4A	X	0	5.88
89	MP4A	Z	-7.113	5.88
90	MP4A	Mx	-.009	5.88
91	MP3A	X	0	4.5
92	MP3A	Z	-.5	4.5
93	MP3A	Mx	.000208	4.5
94	MP3B	X	0	4.5
95	MP3B	Z	-.722	4.5
96	MP3B	Mx	0	4.5
97	MP3C	X	0	4.5
98	MP3C	Z	-.507	4.5
99	MP3C	Mx	-.000208	4.5
100	MP2A	X	0	1
101	MP2A	Z	-2.441	1
102	MP2A	Mx	.002	1
103	MP2B	X	0	1
104	MP2B	Z	-3.651	1
105	MP2B	Mx	0	1
106	MP2C	X	0	1
107	MP2C	Z	-2.477	1
108	MP2C	Mx	-.002	1
109	MP3A	X	0	1
110	MP3A	Z	-1.977	1
111	MP3A	Mx	.001	1
112	MP3B	X	0	1
113	MP3B	Z	-3.651	1
114	MP3B	Mx	0	1
115	MP3C	X	0	1
116	MP3C	Z	-2.027	1
117	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.302	1.63
2	MP3A	Z	-5.72	1.63
3	MP3A	Mx	-.002	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	X	3.302	5.13
5	MP3A	Z	-5.72	5.13
6	MP3A	Mx	-.002	5.13
7	MP3B	X	4.065	1.63
8	MP3B	Z	-7.041	1.63
9	MP3B	Mx	-.008	1.63
10	MP3B	X	4.065	5.13
11	MP3B	Z	-7.041	5.13
12	MP3B	Mx	-.008	5.13
13	MP3C	X	3.099	1.63
14	MP3C	Z	-5.368	1.63
15	MP3C	Mx	.003	1.63
16	MP3C	X	3.099	5.13
17	MP3C	Z	-5.368	5.13
18	MP3C	Mx	.003	5.13
19	MP3A	X	3.302	1.63
20	MP3A	Z	-5.72	1.63
21	MP3A	Mx	-.007	1.63
22	MP3A	X	3.302	5.13
23	MP3A	Z	-5.72	5.13
24	MP3A	Mx	-.007	5.13
25	MP3B	X	4.065	1.63
26	MP3B	Z	-7.041	1.63
27	MP3B	Mx	.002	1.63
28	MP3B	X	4.065	5.13
29	MP3B	Z	-7.041	5.13
30	MP3B	Mx	.002	5.13
31	MP3C	X	3.099	1.63
32	MP3C	Z	-5.368	1.63
33	MP3C	Mx	.006	1.63
34	MP3C	X	3.099	5.13
35	MP3C	Z	-5.368	5.13
36	MP3C	Mx	.006	5.13
37	MP2A	X	1.247	1.43
38	MP2A	Z	-2.16	1.43
39	MP2A	Mx	-.001	1.43
40	MP2A	X	1.247	3.43
41	MP2A	Z	-2.16	3.43
42	MP2A	Mx	-.001	3.43
43	MP2B	X	1.945	1.43
44	MP2B	Z	-3.369	1.43
45	MP2B	Mx	-.000972	1.43
46	MP2B	X	1.945	3.43
47	MP2B	Z	-3.369	3.43
48	MP2B	Mx	-.000972	3.43
49	MP2C	X	1.061	1.43
50	MP2C	Z	-1.839	1.43
51	MP2C	Mx	.000998	1.43
52	MP2C	X	1.061	3.43
53	MP2C	Z	-1.839	3.43
54	MP2C	Mx	.000998	3.43
55	MP1B	X	4.623	.63
56	MP1B	Z	-8.007	.63
57	MP1B	Mx	-.006	.63
58	MP1B	X	4.623	5.88
59	MP1B	Z	-8.007	5.88
60	MP1B	Mx	-.006	5.88

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP1C	X	4.266	.63
62	MP1C	Z	-7.388	.63
63	MP1C	Mx	.01	.63
64	MP1C	X	4.266	5.88
65	MP1C	Z	-7.388	5.88
66	MP1C	Mx	.01	5.88
67	MP4B	X	4.623	.63
68	MP4B	Z	-8.007	.63
69	MP4B	Mx	-.006	.63
70	MP4B	X	4.623	5.88
71	MP4B	Z	-8.007	5.88
72	MP4B	Mx	-.006	5.88
73	MP4C	X	4.266	.63
74	MP4C	Z	-7.388	.63
75	MP4C	Mx	.01	.63
76	MP4C	X	4.266	5.88
77	MP4C	Z	-7.388	5.88
78	MP4C	Mx	.01	5.88
79	MP1A	X	3.596	.63
80	MP1A	Z	-6.229	.63
81	MP1A	Mx	-.008	.63
82	MP1A	X	3.596	5.88
83	MP1A	Z	-6.229	5.88
84	MP1A	Mx	-.008	5.88
85	MP4A	X	3.596	.63
86	MP4A	Z	-6.229	.63
87	MP4A	Mx	-.008	.63
88	MP4A	X	3.596	5.88
89	MP4A	Z	-6.229	5.88
90	MP4A	Mx	-.008	5.88
91	MP3A	X	.278	4.5
92	MP3A	Z	-.481	4.5
93	MP3A	Mx	.0002	4.5
94	MP3B	X	.333	4.5
95	MP3B	Z	-.577	4.5
96	MP3B	Mx	.000139	4.5
97	MP3C	X	.263	4.5
98	MP3C	Z	-.455	4.5
99	MP3C	Mx	-.000206	4.5
100	MP2A	X	1.372	1
101	MP2A	Z	-2.376	1
102	MP2A	Mx	.001	1
103	MP2B	X	1.674	1
104	MP2B	Z	-2.9	1
105	MP2B	Mx	.001	1
106	MP2C	X	1.291	1
107	MP2C	Z	-2.236	1
108	MP2C	Mx	-.002	1
109	MP3A	X	1.198	1
110	MP3A	Z	-2.075	1
111	MP3A	Mx	.001	1
112	MP3B	X	1.616	1
113	MP3B	Z	-2.8	1
114	MP3B	Mx	.001	1
115	MP3C	X	1.086	1
116	MP3C	Z	-1.882	1
117	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.041	1.63
2	MP3A	Z	-4.065	1.63
3	MP3A	Mx	.002	1.63
4	MP3A	X	7.041	5.13
5	MP3A	Z	-4.065	5.13
6	MP3A	Mx	.002	5.13
7	MP3B	X	5.72	1.63
8	MP3B	Z	-3.302	1.63
9	MP3B	Mx	-.007	1.63
10	MP3B	X	5.72	5.13
11	MP3B	Z	-3.302	5.13
12	MP3B	Mx	-.007	5.13
13	MP3C	X	6.61	1.63
14	MP3C	Z	-3.816	1.63
15	MP3C	Mx	-.000706	1.63
16	MP3C	X	6.61	5.13
17	MP3C	Z	-3.816	5.13
18	MP3C	Mx	-.000706	5.13
19	MP3A	X	7.041	1.63
20	MP3A	Z	-4.065	1.63
21	MP3A	Mx	-.008	1.63
22	MP3A	X	7.041	5.13
23	MP3A	Z	-4.065	5.13
24	MP3A	Mx	-.008	5.13
25	MP3B	X	5.72	1.63
26	MP3B	Z	-3.302	1.63
27	MP3B	Mx	-.002	1.63
28	MP3B	X	5.72	5.13
29	MP3B	Z	-3.302	5.13
30	MP3B	Mx	-.002	5.13
31	MP3C	X	6.61	1.63
32	MP3C	Z	-3.816	1.63
33	MP3C	Mx	.008	1.63
34	MP3C	X	6.61	5.13
35	MP3C	Z	-3.816	5.13
36	MP3C	Mx	.008	5.13
37	MP2A	X	3.369	1.43
38	MP2A	Z	-1.945	1.43
39	MP2A	Mx	-.000972	1.43
40	MP2A	X	3.369	3.43
41	MP2A	Z	-1.945	3.43
42	MP2A	Mx	-.000972	3.43
43	MP2B	X	2.16	1.43
44	MP2B	Z	-1.247	1.43
45	MP2B	Mx	-.001	1.43
46	MP2B	X	2.16	3.43
47	MP2B	Z	-1.247	3.43
48	MP2B	Mx	-.001	3.43
49	MP2C	X	2.975	1.43
50	MP2C	Z	-1.717	1.43
51	MP2C	Mx	.001	1.43
52	MP2C	X	2.975	3.43
53	MP2C	Z	-1.717	3.43
54	MP2C	Mx	.001	3.43
55	MP1B	X	7.518	.63
56	MP1B	Z	-4.341	.63
57	MP1B	Mx	-.009	.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	7.518	5.88
59	MP1B	Z	-4.341	5.88
60	MP1B	Mx	-.009	5.88
61	MP1C	X	7.848	.63
62	MP1C	Z	-4.531	.63
63	MP1C	Mx	.007	.63
64	MP1C	X	7.848	5.88
65	MP1C	Z	-4.531	5.88
66	MP1C	Mx	.007	5.88
67	MP4B	X	7.518	.63
68	MP4B	Z	-4.341	.63
69	MP4B	Mx	-.009	.63
70	MP4B	X	7.518	5.88
71	MP4B	Z	-4.341	5.88
72	MP4B	Mx	-.009	5.88
73	MP4C	X	7.848	.63
74	MP4C	Z	-4.531	.63
75	MP4C	Mx	.007	.63
76	MP4C	X	7.848	5.88
77	MP4C	Z	-4.531	5.88
78	MP4C	Mx	.007	5.88
79	MP1A	X	6.366	.63
80	MP1A	Z	-3.675	.63
81	MP1A	Mx	-.004	.63
82	MP1A	X	6.366	5.88
83	MP1A	Z	-3.675	5.88
84	MP1A	Mx	-.004	5.88
85	MP4A	X	6.366	.63
86	MP4A	Z	-3.675	.63
87	MP4A	Mx	-.004	.63
88	MP4A	X	6.366	5.88
89	MP4A	Z	-3.675	5.88
90	MP4A	Mx	-.004	5.88
91	MP3A	X	.577	4.5
92	MP3A	Z	-.333	4.5
93	MP3A	Mx	.000139	4.5
94	MP3B	X	.481	4.5
95	MP3B	Z	-.278	4.5
96	MP3B	Mx	.0002	4.5
97	MP3C	X	.546	4.5
98	MP3C	Z	-.315	4.5
99	MP3C	Mx	-.000169	4.5
100	MP2A	X	2.9	1
101	MP2A	Z	-1.674	1
102	MP2A	Mx	.001	1
103	MP2B	X	2.376	1
104	MP2B	Z	-1.372	1
105	MP2B	Mx	.001	1
106	MP2C	X	2.729	1
107	MP2C	Z	-1.576	1
108	MP2C	Mx	-.001	1
109	MP3A	X	2.8	1
110	MP3A	Z	-1.616	1
111	MP3A	Mx	.001	1
112	MP3B	X	2.075	1
113	MP3B	Z	-1.198	1
114	MP3B	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP3C	X	2.563	1
116	MP3C	Z	-1.48	1
117	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	8.894	1.63
2	MP3A	Z	0	1.63
3	MP3A	Mx	.007	1.63
4	MP3A	X	8.894	5.13
5	MP3A	Z	0	5.13
6	MP3A	Mx	.007	5.13
7	MP3B	X	5.841	1.63
8	MP3B	Z	0	1.63
9	MP3B	Mx	-.004	1.63
10	MP3B	X	5.841	5.13
11	MP3B	Z	0	5.13
12	MP3B	Mx	-.004	5.13
13	MP3C	X	8.802	1.63
14	MP3C	Z	0	1.63
15	MP3C	Mx	-.005	1.63
16	MP3C	X	8.802	5.13
17	MP3C	Z	0	5.13
18	MP3C	Mx	-.005	5.13
19	MP3A	X	8.894	1.63
20	MP3A	Z	0	1.63
21	MP3A	Mx	-.007	1.63
22	MP3A	X	8.894	5.13
23	MP3A	Z	0	5.13
24	MP3A	Mx	-.007	5.13
25	MP3B	X	5.841	1.63
26	MP3B	Z	0	1.63
27	MP3B	Mx	-.004	1.63
28	MP3B	X	5.841	5.13
29	MP3B	Z	0	5.13
30	MP3B	Mx	-.004	5.13
31	MP3C	X	8.802	1.63
32	MP3C	Z	0	1.63
33	MP3C	Mx	.008	1.63
34	MP3C	X	8.802	5.13
35	MP3C	Z	0	5.13
36	MP3C	Mx	.008	5.13
37	MP2A	X	4.588	1.43
38	MP2A	Z	0	1.43
39	MP2A	Mx	0	1.43
40	MP2A	X	4.588	3.43
41	MP2A	Z	0	3.43
42	MP2A	Mx	0	3.43
43	MP2B	X	1.796	1.43
44	MP2B	Z	0	1.43
45	MP2B	Mx	-.000898	1.43
46	MP2B	X	1.796	3.43
47	MP2B	Z	0	3.43
48	MP2B	Mx	-.000898	3.43
49	MP2C	X	4.504	1.43
50	MP2C	Z	0	1.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP2C	Mx	.000391	1.43
52	MP2C	X	4.504	3.43
53	MP2C	Z	0	3.43
54	MP2C	Mx	.000391	3.43
55	MP1B	X	8.399	.63
56	MP1B	Z	0	.63
57	MP1B	Mx	-.01	.63
58	MP1B	X	8.399	5.88
59	MP1B	Z	0	5.88
60	MP1B	Mx	-.01	5.88
61	MP1C	X	9.494	.63
62	MP1C	Z	0	.63
63	MP1C	Mx	.002	.63
64	MP1C	X	9.494	5.88
65	MP1C	Z	0	5.88
66	MP1C	Mx	.002	5.88
67	MP4B	X	8.399	.63
68	MP4B	Z	0	.63
69	MP4B	Mx	-.01	.63
70	MP4B	X	8.399	5.88
71	MP4B	Z	0	5.88
72	MP4B	Mx	-.01	5.88
73	MP4C	X	9.494	.63
74	MP4C	Z	0	.63
75	MP4C	Mx	.002	.63
76	MP4C	X	9.494	5.88
77	MP4C	Z	0	5.88
78	MP4C	Mx	.002	5.88
79	MP1A	X	7.429	.63
80	MP1A	Z	0	.63
81	MP1A	Mx	0	.63
82	MP1A	X	7.429	5.88
83	MP1A	Z	0	5.88
84	MP1A	Mx	0	5.88
85	MP4A	X	7.429	.63
86	MP4A	Z	0	.63
87	MP4A	Mx	0	.63
88	MP4A	X	7.429	5.88
89	MP4A	Z	0	5.88
90	MP4A	Mx	0	5.88
91	MP3A	X	.722	4.5
92	MP3A	Z	0	4.5
93	MP3A	Mx	0	4.5
94	MP3B	X	.5	4.5
95	MP3B	Z	0	4.5
96	MP3B	Mx	.000208	4.5
97	MP3C	X	.716	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	-5.2e-5	4.5
100	MP2A	X	3.651	1
101	MP2A	Z	0	1
102	MP2A	Mx	0	1
103	MP2B	X	2.441	1
104	MP2B	Z	0	1
105	MP2B	Mx	.002	1
106	MP2C	X	3.615	1
107	MP2C	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP2C	Mx	-.000392	1
109	MP3A	X	3.651	1
110	MP3A	Z	0	1
111	MP3A	Mx	0	1
112	MP3B	X	1.977	1
113	MP3B	Z	0	1
114	MP3B	Mx	.001	1
115	MP3C	X	3.601	1
116	MP3C	Z	0	1
117	MP3C	Mx	-.000391	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.041	1.63
2	MP3A	Z	4.065	1.63
3	MP3A	Mx	.008	1.63
4	MP3A	X	7.041	5.13
5	MP3A	Z	4.065	5.13
6	MP3A	Mx	.008	5.13
7	MP3B	X	5.72	1.63
8	MP3B	Z	3.302	1.63
9	MP3B	Mx	-.002	1.63
10	MP3B	X	5.72	5.13
11	MP3B	Z	3.302	5.13
12	MP3B	Mx	-.002	5.13
13	MP3C	X	7.393	1.63
14	MP3C	Z	4.268	1.63
15	MP3C	Mx	-.008	1.63
16	MP3C	X	7.393	5.13
17	MP3C	Z	4.268	5.13
18	MP3C	Mx	-.008	5.13
19	MP3A	X	7.041	1.63
20	MP3A	Z	4.065	1.63
21	MP3A	Mx	-.002	1.63
22	MP3A	X	7.041	5.13
23	MP3A	Z	4.065	5.13
24	MP3A	Mx	-.002	5.13
25	MP3B	X	5.72	1.63
26	MP3B	Z	3.302	1.63
27	MP3B	Mx	-.007	1.63
28	MP3B	X	5.72	5.13
29	MP3B	Z	3.302	5.13
30	MP3B	Mx	-.007	5.13
31	MP3C	X	7.393	1.63
32	MP3C	Z	4.268	1.63
33	MP3C	Mx	.004	1.63
34	MP3C	X	7.393	5.13
35	MP3C	Z	4.268	5.13
36	MP3C	Mx	.004	5.13
37	MP2A	X	3.369	1.43
38	MP2A	Z	1.945	1.43
39	MP2A	Mx	.000972	1.43
40	MP2A	X	3.369	3.43
41	MP2A	Z	1.945	3.43
42	MP2A	Mx	.000972	3.43
43	MP2B	X	2.16	1.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP2B	Z	1.247	1.43
45	MP2B	Mx	-.001	1.43
46	MP2B	X	2.16	3.43
47	MP2B	Z	1.247	3.43
48	MP2B	Mx	-.001	3.43
49	MP2C	X	3.691	1.43
50	MP2C	Z	2.131	1.43
51	MP2C	Mx	-.000729	1.43
52	MP2C	X	3.691	3.43
53	MP2C	Z	2.131	3.43
54	MP2C	Mx	-.000729	3.43
55	MP1B	X	7.518	.63
56	MP1B	Z	4.341	.63
57	MP1B	Mx	-.009	.63
58	MP1B	X	7.518	5.88
59	MP1B	Z	4.341	5.88
60	MP1B	Mx	-.009	5.88
61	MP1C	X	8.137	.63
62	MP1C	Z	4.698	.63
63	MP1C	Mx	-.004	.63
64	MP1C	X	8.137	5.88
65	MP1C	Z	4.698	5.88
66	MP1C	Mx	-.004	5.88
67	MP4B	X	7.518	.63
68	MP4B	Z	4.341	.63
69	MP4B	Mx	-.009	.63
70	MP4B	X	7.518	5.88
71	MP4B	Z	4.341	5.88
72	MP4B	Mx	-.009	5.88
73	MP4C	X	8.137	.63
74	MP4C	Z	4.698	.63
75	MP4C	Mx	-.004	.63
76	MP4C	X	8.137	5.88
77	MP4C	Z	4.698	5.88
78	MP4C	Mx	-.004	5.88
79	MP1A	X	6.366	.63
80	MP1A	Z	3.675	.63
81	MP1A	Mx	.004	.63
82	MP1A	X	6.366	5.88
83	MP1A	Z	3.675	5.88
84	MP1A	Mx	.004	5.88
85	MP4A	X	6.366	.63
86	MP4A	Z	3.675	.63
87	MP4A	Mx	.004	.63
88	MP4A	X	6.366	5.88
89	MP4A	Z	3.675	5.88
90	MP4A	Mx	.004	5.88
91	MP3A	X	.577	4.5
92	MP3A	Z	.333	4.5
93	MP3A	Mx	-.000139	4.5
94	MP3B	X	.481	4.5
95	MP3B	Z	.278	4.5
96	MP3B	Mx	.0002	4.5
97	MP3C	X	.603	4.5
98	MP3C	Z	.348	4.5
99	MP3C	Mx	9.9e-5	4.5
100	MP2A	X	2.9	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP2A	Z	1.674	1
102	MP2A	Mx	-.001	1
103	MP2B	X	2.376	1
104	MP2B	Z	1.372	1
105	MP2B	Mx	.001	1
106	MP2C	X	3.039	1
107	MP2C	Z	1.755	1
108	MP2C	Mx	.00075	1
109	MP3A	X	2.8	1
110	MP3A	Z	1.616	1
111	MP3A	Mx	-.001	1
112	MP3B	X	2.075	1
113	MP3B	Z	1.198	1
114	MP3B	Mx	.001	1
115	MP3C	X	2.992	1
116	MP3C	Z	1.728	1
117	MP3C	Mx	.000739	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.302	1.63
2	MP3A	Z	5.72	1.63
3	MP3A	Mx	.007	1.63
4	MP3A	X	3.302	5.13
5	MP3A	Z	5.72	5.13
6	MP3A	Mx	.007	5.13
7	MP3B	X	4.065	1.63
8	MP3B	Z	7.041	1.63
9	MP3B	Mx	.002	1.63
10	MP3B	X	4.065	5.13
11	MP3B	Z	7.041	5.13
12	MP3B	Mx	.002	5.13
13	MP3C	X	3.551	1.63
14	MP3C	Z	6.151	1.63
15	MP3C	Mx	-.008	1.63
16	MP3C	X	3.551	5.13
17	MP3C	Z	6.151	5.13
18	MP3C	Mx	-.008	5.13
19	MP3A	X	3.302	1.63
20	MP3A	Z	5.72	1.63
21	MP3A	Mx	.002	1.63
22	MP3A	X	3.302	5.13
23	MP3A	Z	5.72	5.13
24	MP3A	Mx	.002	5.13
25	MP3B	X	4.065	1.63
26	MP3B	Z	7.041	1.63
27	MP3B	Mx	-.008	1.63
28	MP3B	X	4.065	5.13
29	MP3B	Z	7.041	5.13
30	MP3B	Mx	-.008	5.13
31	MP3C	X	3.551	1.63
32	MP3C	Z	6.151	1.63
33	MP3C	Mx	-.000657	1.63
34	MP3C	X	3.551	5.13
35	MP3C	Z	6.151	5.13
36	MP3C	Mx	-.000657	5.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2A	X	1.247	1.43
38	MP2A	Z	2.16	1.43
39	MP2A	Mx	.001	1.43
40	MP2A	X	1.247	3.43
41	MP2A	Z	2.16	3.43
42	MP2A	Mx	.001	3.43
43	MP2B	X	1.945	1.43
44	MP2B	Z	3.369	1.43
45	MP2B	Mx	-.000972	1.43
46	MP2B	X	1.945	3.43
47	MP2B	Z	3.369	3.43
48	MP2B	Mx	-.000972	3.43
49	MP2C	X	1.475	1.43
50	MP2C	Z	2.555	1.43
51	MP2C	Mx	-.001	1.43
52	MP2C	X	1.475	3.43
53	MP2C	Z	2.555	3.43
54	MP2C	Mx	-.001	3.43
55	MP1B	X	4.623	.63
56	MP1B	Z	8.007	.63
57	MP1B	Mx	-.006	.63
58	MP1B	X	4.623	5.88
59	MP1B	Z	8.007	5.88
60	MP1B	Mx	-.006	5.88
61	MP1C	X	4.433	.63
62	MP1C	Z	7.678	.63
63	MP1C	Mx	-.008	.63
64	MP1C	X	4.433	5.88
65	MP1C	Z	7.678	5.88
66	MP1C	Mx	-.008	5.88
67	MP4B	X	4.623	.63
68	MP4B	Z	8.007	.63
69	MP4B	Mx	-.006	.63
70	MP4B	X	4.623	5.88
71	MP4B	Z	8.007	5.88
72	MP4B	Mx	-.006	5.88
73	MP4C	X	4.433	.63
74	MP4C	Z	7.678	.63
75	MP4C	Mx	-.008	.63
76	MP4C	X	4.433	5.88
77	MP4C	Z	7.678	5.88
78	MP4C	Mx	-.008	5.88
79	MP1A	X	3.596	.63
80	MP1A	Z	6.229	.63
81	MP1A	Mx	.008	.63
82	MP1A	X	3.596	5.88
83	MP1A	Z	6.229	5.88
84	MP1A	Mx	.008	5.88
85	MP4A	X	3.596	.63
86	MP4A	Z	6.229	.63
87	MP4A	Mx	.008	.63
88	MP4A	X	3.596	5.88
89	MP4A	Z	6.229	5.88
90	MP4A	Mx	.008	5.88
91	MP3A	X	.278	4.5
92	MP3A	Z	.481	4.5
93	MP3A	Mx	-.0002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP3B	X	.333	4.5
95	MP3B	Z	.577	4.5
96	MP3B	Mx	.000139	4.5
97	MP3C	X	.296	4.5
98	MP3C	Z	.513	4.5
99	MP3C	Mx	.000189	4.5
100	MP2A	X	1.372	1
101	MP2A	Z	2.376	1
102	MP2A	Mx	-.001	1
103	MP2B	X	1.674	1
104	MP2B	Z	2.9	1
105	MP2B	Mx	.001	1
106	MP2C	X	1.47	1
107	MP2C	Z	2.547	1
108	MP2C	Mx	.001	1
109	MP3A	X	1.198	1
110	MP3A	Z	2.075	1
111	MP3A	Mx	-.001	1
112	MP3B	X	1.616	1
113	MP3B	Z	2.8	1
114	MP3B	Mx	.001	1
115	MP3C	X	1.334	1
116	MP3C	Z	2.311	1
117	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.63
2	MP3A	Z	5.841	1.63
3	MP3A	Mx	.004	1.63
4	MP3A	X	0	5.13
5	MP3A	Z	5.841	5.13
6	MP3A	Mx	.004	5.13
7	MP3B	X	0	1.63
8	MP3B	Z	8.894	1.63
9	MP3B	Mx	.007	1.63
10	MP3B	X	0	5.13
11	MP3B	Z	8.894	5.13
12	MP3B	Mx	.007	5.13
13	MP3C	X	0	1.63
14	MP3C	Z	5.933	1.63
15	MP3C	Mx	-.005	1.63
16	MP3C	X	0	5.13
17	MP3C	Z	5.933	5.13
18	MP3C	Mx	-.005	5.13
19	MP3A	X	0	1.63
20	MP3A	Z	5.841	1.63
21	MP3A	Mx	.004	1.63
22	MP3A	X	0	5.13
23	MP3A	Z	5.841	5.13
24	MP3A	Mx	.004	5.13
25	MP3B	X	0	1.63
26	MP3B	Z	8.894	1.63
27	MP3B	Mx	-.007	1.63
28	MP3B	X	0	5.13
29	MP3B	Z	8.894	5.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3B	Mx	-.007	5.13
31	MP3C	X	0	1.63
32	MP3C	Z	5.933	1.63
33	MP3C	Mx	-.004	1.63
34	MP3C	X	0	5.13
35	MP3C	Z	5.933	5.13
36	MP3C	Mx	-.004	5.13
37	MP2A	X	0	1.43
38	MP2A	Z	1.796	1.43
39	MP2A	Mx	.000898	1.43
40	MP2A	X	0	3.43
41	MP2A	Z	1.796	3.43
42	MP2A	Mx	.000898	3.43
43	MP2B	X	0	1.43
44	MP2B	Z	4.588	1.43
45	MP2B	Mx	0	1.43
46	MP2B	X	0	3.43
47	MP2B	Z	4.588	3.43
48	MP2B	Mx	0	3.43
49	MP2C	X	0	1.43
50	MP2C	Z	1.881	1.43
51	MP2C	Mx	-.000926	1.43
52	MP2C	X	0	3.43
53	MP2C	Z	1.881	3.43
54	MP2C	Mx	-.000926	3.43
55	MP1B	X	0	.63
56	MP1B	Z	9.528	.63
57	MP1B	Mx	0	.63
58	MP1B	X	0	5.88
59	MP1B	Z	9.528	5.88
60	MP1B	Mx	0	5.88
61	MP1C	X	0	.63
62	MP1C	Z	8.433	.63
63	MP1C	Mx	-.01	.63
64	MP1C	X	0	5.88
65	MP1C	Z	8.433	5.88
66	MP1C	Mx	-.01	5.88
67	MP4B	X	0	.63
68	MP4B	Z	9.528	.63
69	MP4B	Mx	0	.63
70	MP4B	X	0	5.88
71	MP4B	Z	9.528	5.88
72	MP4B	Mx	0	5.88
73	MP4C	X	0	.63
74	MP4C	Z	8.433	.63
75	MP4C	Mx	-.01	.63
76	MP4C	X	0	5.88
77	MP4C	Z	8.433	5.88
78	MP4C	Mx	-.01	5.88
79	MP1A	X	0	.63
80	MP1A	Z	7.113	.63
81	MP1A	Mx	.009	.63
82	MP1A	X	0	5.88
83	MP1A	Z	7.113	5.88
84	MP1A	Mx	.009	5.88
85	MP4A	X	0	.63
86	MP4A	Z	7.113	.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP4A	Mx	.009	.63
88	MP4A	X	0	5.88
89	MP4A	Z	7.113	5.88
90	MP4A	Mx	.009	5.88
91	MP3A	X	0	4.5
92	MP3A	Z	.5	4.5
93	MP3A	Mx	-.000208	4.5
94	MP3B	X	0	4.5
95	MP3B	Z	.722	4.5
96	MP3B	Mx	0	4.5
97	MP3C	X	0	4.5
98	MP3C	Z	.507	4.5
99	MP3C	Mx	.000208	4.5
100	MP2A	X	0	1
101	MP2A	Z	2.441	1
102	MP2A	Mx	-.002	1
103	MP2B	X	0	1
104	MP2B	Z	3.651	1
105	MP2B	Mx	0	1
106	MP2C	X	0	1
107	MP2C	Z	2.477	1
108	MP2C	Mx	.002	1
109	MP3A	X	0	1
110	MP3A	Z	1.977	1
111	MP3A	Mx	-.001	1
112	MP3B	X	0	1
113	MP3B	Z	3.651	1
114	MP3B	Mx	0	1
115	MP3C	X	0	1
116	MP3C	Z	2.027	1
117	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.302	1.63
2	MP3A	Z	5.72	1.63
3	MP3A	Mx	.002	1.63
4	MP3A	X	-3.302	5.13
5	MP3A	Z	5.72	5.13
6	MP3A	Mx	.002	5.13
7	MP3B	X	-4.065	1.63
8	MP3B	Z	7.041	1.63
9	MP3B	Mx	.008	1.63
10	MP3B	X	-4.065	5.13
11	MP3B	Z	7.041	5.13
12	MP3B	Mx	.008	5.13
13	MP3C	X	-3.099	1.63
14	MP3C	Z	5.368	1.63
15	MP3C	Mx	-.003	1.63
16	MP3C	X	-3.099	5.13
17	MP3C	Z	5.368	5.13
18	MP3C	Mx	-.003	5.13
19	MP3A	X	-3.302	1.63
20	MP3A	Z	5.72	1.63
21	MP3A	Mx	.007	1.63
22	MP3A	X	-3.302	5.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	5.72	5.13
24	MP3A	Mx	.007	5.13
25	MP3B	X	-4.065	1.63
26	MP3B	Z	7.041	1.63
27	MP3B	Mx	-.002	1.63
28	MP3B	X	-4.065	5.13
29	MP3B	Z	7.041	5.13
30	MP3B	Mx	-.002	5.13
31	MP3C	X	-3.099	1.63
32	MP3C	Z	5.368	1.63
33	MP3C	Mx	-.006	1.63
34	MP3C	X	-3.099	5.13
35	MP3C	Z	5.368	5.13
36	MP3C	Mx	-.006	5.13
37	MP2A	X	-1.247	1.43
38	MP2A	Z	2.16	1.43
39	MP2A	Mx	.001	1.43
40	MP2A	X	-1.247	3.43
41	MP2A	Z	2.16	3.43
42	MP2A	Mx	.001	3.43
43	MP2B	X	-1.945	1.43
44	MP2B	Z	3.369	1.43
45	MP2B	Mx	.000972	1.43
46	MP2B	X	-1.945	3.43
47	MP2B	Z	3.369	3.43
48	MP2B	Mx	.000972	3.43
49	MP2C	X	-1.061	1.43
50	MP2C	Z	1.839	1.43
51	MP2C	Mx	-.000998	1.43
52	MP2C	X	-1.061	3.43
53	MP2C	Z	1.839	3.43
54	MP2C	Mx	-.000998	3.43
55	MP1B	X	-4.623	.63
56	MP1B	Z	8.007	.63
57	MP1B	Mx	.006	.63
58	MP1B	X	-4.623	5.88
59	MP1B	Z	8.007	5.88
60	MP1B	Mx	.006	5.88
61	MP1C	X	-4.266	.63
62	MP1C	Z	7.388	.63
63	MP1C	Mx	-.01	.63
64	MP1C	X	-4.266	5.88
65	MP1C	Z	7.388	5.88
66	MP1C	Mx	-.01	5.88
67	MP4B	X	-4.623	.63
68	MP4B	Z	8.007	.63
69	MP4B	Mx	.006	.63
70	MP4B	X	-4.623	5.88
71	MP4B	Z	8.007	5.88
72	MP4B	Mx	.006	5.88
73	MP4C	X	-4.266	.63
74	MP4C	Z	7.388	.63
75	MP4C	Mx	-.01	.63
76	MP4C	X	-4.266	5.88
77	MP4C	Z	7.388	5.88
78	MP4C	Mx	-.01	5.88
79	MP1A	X	-3.596	.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	6.229	.63
81	MP1A	Mx	.008	.63
82	MP1A	X	-3.596	5.88
83	MP1A	Z	6.229	5.88
84	MP1A	Mx	.008	5.88
85	MP4A	X	-3.596	.63
86	MP4A	Z	6.229	.63
87	MP4A	Mx	.008	.63
88	MP4A	X	-3.596	5.88
89	MP4A	Z	6.229	5.88
90	MP4A	Mx	.008	5.88
91	MP3A	X	-.278	4.5
92	MP3A	Z	.481	4.5
93	MP3A	Mx	-.0002	4.5
94	MP3B	X	-.333	4.5
95	MP3B	Z	.577	4.5
96	MP3B	Mx	-.000139	4.5
97	MP3C	X	-.263	4.5
98	MP3C	Z	.455	4.5
99	MP3C	Mx	.000206	4.5
100	MP2A	X	-1.372	1
101	MP2A	Z	2.376	1
102	MP2A	Mx	-.001	1
103	MP2B	X	-1.674	1
104	MP2B	Z	2.9	1
105	MP2B	Mx	-.001	1
106	MP2C	X	-1.291	1
107	MP2C	Z	2.236	1
108	MP2C	Mx	.002	1
109	MP3A	X	-1.198	1
110	MP3A	Z	2.075	1
111	MP3A	Mx	-.001	1
112	MP3B	X	-1.616	1
113	MP3B	Z	2.8	1
114	MP3B	Mx	-.001	1
115	MP3C	X	-1.086	1
116	MP3C	Z	1.882	1
117	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.041	1.63
2	MP3A	Z	4.065	1.63
3	MP3A	Mx	-.002	1.63
4	MP3A	X	-7.041	5.13
5	MP3A	Z	4.065	5.13
6	MP3A	Mx	-.002	5.13
7	MP3B	X	-5.72	1.63
8	MP3B	Z	3.302	1.63
9	MP3B	Mx	.007	1.63
10	MP3B	X	-5.72	5.13
11	MP3B	Z	3.302	5.13
12	MP3B	Mx	.007	5.13
13	MP3C	X	-6.61	1.63
14	MP3C	Z	3.816	1.63
15	MP3C	Mx	.000706	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3C	X	-6.61	5.13
17	MP3C	Z	3.816	5.13
18	MP3C	Mx	.000706	5.13
19	MP3A	X	-7.041	1.63
20	MP3A	Z	4.065	1.63
21	MP3A	Mx	.008	1.63
22	MP3A	X	-7.041	5.13
23	MP3A	Z	4.065	5.13
24	MP3A	Mx	.008	5.13
25	MP3B	X	-5.72	1.63
26	MP3B	Z	3.302	1.63
27	MP3B	Mx	.002	1.63
28	MP3B	X	-5.72	5.13
29	MP3B	Z	3.302	5.13
30	MP3B	Mx	.002	5.13
31	MP3C	X	-6.61	1.63
32	MP3C	Z	3.816	1.63
33	MP3C	Mx	-.008	1.63
34	MP3C	X	-6.61	5.13
35	MP3C	Z	3.816	5.13
36	MP3C	Mx	-.008	5.13
37	MP2A	X	-3.369	1.43
38	MP2A	Z	1.945	1.43
39	MP2A	Mx	.000972	1.43
40	MP2A	X	-3.369	3.43
41	MP2A	Z	1.945	3.43
42	MP2A	Mx	.000972	3.43
43	MP2B	X	-2.16	1.43
44	MP2B	Z	1.247	1.43
45	MP2B	Mx	.001	1.43
46	MP2B	X	-2.16	3.43
47	MP2B	Z	1.247	3.43
48	MP2B	Mx	.001	3.43
49	MP2C	X	-2.975	1.43
50	MP2C	Z	1.717	1.43
51	MP2C	Mx	-.001	1.43
52	MP2C	X	-2.975	3.43
53	MP2C	Z	1.717	3.43
54	MP2C	Mx	-.001	3.43
55	MP1B	X	-7.518	.63
56	MP1B	Z	4.341	.63
57	MP1B	Mx	.009	.63
58	MP1B	X	-7.518	5.88
59	MP1B	Z	4.341	5.88
60	MP1B	Mx	.009	5.88
61	MP1C	X	-7.848	.63
62	MP1C	Z	4.531	.63
63	MP1C	Mx	-.007	.63
64	MP1C	X	-7.848	5.88
65	MP1C	Z	4.531	5.88
66	MP1C	Mx	-.007	5.88
67	MP4B	X	-7.518	.63
68	MP4B	Z	4.341	.63
69	MP4B	Mx	.009	.63
70	MP4B	X	-7.518	5.88
71	MP4B	Z	4.341	5.88
72	MP4B	Mx	.009	5.88

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP4C	X	-7.848	.63
74	MP4C	Z	4.531	.63
75	MP4C	Mx	-.007	.63
76	MP4C	X	-7.848	5.88
77	MP4C	Z	4.531	5.88
78	MP4C	Mx	-.007	5.88
79	MP1A	X	-6.366	.63
80	MP1A	Z	3.675	.63
81	MP1A	Mx	.004	.63
82	MP1A	X	-6.366	5.88
83	MP1A	Z	3.675	5.88
84	MP1A	Mx	.004	5.88
85	MP4A	X	-6.366	.63
86	MP4A	Z	3.675	.63
87	MP4A	Mx	.004	.63
88	MP4A	X	-6.366	5.88
89	MP4A	Z	3.675	5.88
90	MP4A	Mx	.004	5.88
91	MP3A	X	-.577	4.5
92	MP3A	Z	.333	4.5
93	MP3A	Mx	-.000139	4.5
94	MP3B	X	-.481	4.5
95	MP3B	Z	.278	4.5
96	MP3B	Mx	-.0002	4.5
97	MP3C	X	-.546	4.5
98	MP3C	Z	.315	4.5
99	MP3C	Mx	.000169	4.5
100	MP2A	X	-2.9	1
101	MP2A	Z	1.674	1
102	MP2A	Mx	-.001	1
103	MP2B	X	-2.376	1
104	MP2B	Z	1.372	1
105	MP2B	Mx	-.001	1
106	MP2C	X	-2.729	1
107	MP2C	Z	1.576	1
108	MP2C	Mx	.001	1
109	MP3A	X	-2.8	1
110	MP3A	Z	1.616	1
111	MP3A	Mx	-.001	1
112	MP3B	X	-2.075	1
113	MP3B	Z	1.198	1
114	MP3B	Mx	-.001	1
115	MP3C	X	-2.563	1
116	MP3C	Z	1.48	1
117	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-8.894	1.63
2	MP3A	Z	0	1.63
3	MP3A	Mx	-.007	1.63
4	MP3A	X	-8.894	5.13
5	MP3A	Z	0	5.13
6	MP3A	Mx	-.007	5.13
7	MP3B	X	-5.841	1.63
8	MP3B	Z	0	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.004	1.63
10	MP3B	X	-5.841	5.13
11	MP3B	Z	0	5.13
12	MP3B	Mx	.004	5.13
13	MP3C	X	-8.802	1.63
14	MP3C	Z	0	1.63
15	MP3C	Mx	.005	1.63
16	MP3C	X	-8.802	5.13
17	MP3C	Z	0	5.13
18	MP3C	Mx	.005	5.13
19	MP3A	X	-8.894	1.63
20	MP3A	Z	0	1.63
21	MP3A	Mx	.007	1.63
22	MP3A	X	-8.894	5.13
23	MP3A	Z	0	5.13
24	MP3A	Mx	.007	5.13
25	MP3B	X	-5.841	1.63
26	MP3B	Z	0	1.63
27	MP3B	Mx	.004	1.63
28	MP3B	X	-5.841	5.13
29	MP3B	Z	0	5.13
30	MP3B	Mx	.004	5.13
31	MP3C	X	-8.802	1.63
32	MP3C	Z	0	1.63
33	MP3C	Mx	-.008	1.63
34	MP3C	X	-8.802	5.13
35	MP3C	Z	0	5.13
36	MP3C	Mx	-.008	5.13
37	MP2A	X	-4.588	1.43
38	MP2A	Z	0	1.43
39	MP2A	Mx	0	1.43
40	MP2A	X	-4.588	3.43
41	MP2A	Z	0	3.43
42	MP2A	Mx	0	3.43
43	MP2B	X	-1.796	1.43
44	MP2B	Z	0	1.43
45	MP2B	Mx	.000898	1.43
46	MP2B	X	-1.796	3.43
47	MP2B	Z	0	3.43
48	MP2B	Mx	.000898	3.43
49	MP2C	X	-4.504	1.43
50	MP2C	Z	0	1.43
51	MP2C	Mx	-.000391	1.43
52	MP2C	X	-4.504	3.43
53	MP2C	Z	0	3.43
54	MP2C	Mx	-.000391	3.43
55	MP1B	X	-8.399	.63
56	MP1B	Z	0	.63
57	MP1B	Mx	.01	.63
58	MP1B	X	-8.399	5.88
59	MP1B	Z	0	5.88
60	MP1B	Mx	.01	5.88
61	MP1C	X	-9.494	.63
62	MP1C	Z	0	.63
63	MP1C	Mx	-.002	.63
64	MP1C	X	-9.494	5.88
65	MP1C	Z	0	5.88

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1C	Mx	-.002	5.88
67	MP4B	X	-8.399	.63
68	MP4B	Z	0	.63
69	MP4B	Mx	.01	.63
70	MP4B	X	-8.399	5.88
71	MP4B	Z	0	5.88
72	MP4B	Mx	.01	5.88
73	MP4C	X	-9.494	.63
74	MP4C	Z	0	.63
75	MP4C	Mx	-.002	.63
76	MP4C	X	-9.494	5.88
77	MP4C	Z	0	5.88
78	MP4C	Mx	-.002	5.88
79	MP1A	X	-7.429	.63
80	MP1A	Z	0	.63
81	MP1A	Mx	0	.63
82	MP1A	X	-7.429	5.88
83	MP1A	Z	0	5.88
84	MP1A	Mx	0	5.88
85	MP4A	X	-7.429	.63
86	MP4A	Z	0	.63
87	MP4A	Mx	0	.63
88	MP4A	X	-7.429	5.88
89	MP4A	Z	0	5.88
90	MP4A	Mx	0	5.88
91	MP3A	X	-.722	4.5
92	MP3A	Z	0	4.5
93	MP3A	Mx	0	4.5
94	MP3B	X	-.5	4.5
95	MP3B	Z	0	4.5
96	MP3B	Mx	-.000208	4.5
97	MP3C	X	-.716	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	5.2e-5	4.5
100	MP2A	X	-3.651	1
101	MP2A	Z	0	1
102	MP2A	Mx	0	1
103	MP2B	X	-2.441	1
104	MP2B	Z	0	1
105	MP2B	Mx	-.002	1
106	MP2C	X	-3.615	1
107	MP2C	Z	0	1
108	MP2C	Mx	.000392	1
109	MP3A	X	-3.651	1
110	MP3A	Z	0	1
111	MP3A	Mx	0	1
112	MP3B	X	-1.977	1
113	MP3B	Z	0	1
114	MP3B	Mx	-.001	1
115	MP3C	X	-3.601	1
116	MP3C	Z	0	1
117	MP3C	Mx	.000391	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.041	1.63

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	-4.065	1.63
3	MP3A	Mx	-.008	1.63
4	MP3A	X	-7.041	5.13
5	MP3A	Z	-4.065	5.13
6	MP3A	Mx	-.008	5.13
7	MP3B	X	-5.72	1.63
8	MP3B	Z	-3.302	1.63
9	MP3B	Mx	.002	1.63
10	MP3B	X	-5.72	5.13
11	MP3B	Z	-3.302	5.13
12	MP3B	Mx	.002	5.13
13	MP3C	X	-7.393	1.63
14	MP3C	Z	-4.268	1.63
15	MP3C	Mx	.008	1.63
16	MP3C	X	-7.393	5.13
17	MP3C	Z	-4.268	5.13
18	MP3C	Mx	.008	5.13
19	MP3A	X	-7.041	1.63
20	MP3A	Z	-4.065	1.63
21	MP3A	Mx	.002	1.63
22	MP3A	X	-7.041	5.13
23	MP3A	Z	-4.065	5.13
24	MP3A	Mx	.002	5.13
25	MP3B	X	-5.72	1.63
26	MP3B	Z	-3.302	1.63
27	MP3B	Mx	.007	1.63
28	MP3B	X	-5.72	5.13
29	MP3B	Z	-3.302	5.13
30	MP3B	Mx	.007	5.13
31	MP3C	X	-7.393	1.63
32	MP3C	Z	-4.268	1.63
33	MP3C	Mx	-.004	1.63
34	MP3C	X	-7.393	5.13
35	MP3C	Z	-4.268	5.13
36	MP3C	Mx	-.004	5.13
37	MP2A	X	-3.369	1.43
38	MP2A	Z	-1.945	1.43
39	MP2A	Mx	-.000972	1.43
40	MP2A	X	-3.369	3.43
41	MP2A	Z	-1.945	3.43
42	MP2A	Mx	-.000972	3.43
43	MP2B	X	-2.16	1.43
44	MP2B	Z	-1.247	1.43
45	MP2B	Mx	.001	1.43
46	MP2B	X	-2.16	3.43
47	MP2B	Z	-1.247	3.43
48	MP2B	Mx	.001	3.43
49	MP2C	X	-3.691	1.43
50	MP2C	Z	-2.131	1.43
51	MP2C	Mx	.000729	1.43
52	MP2C	X	-3.691	3.43
53	MP2C	Z	-2.131	3.43
54	MP2C	Mx	.000729	3.43
55	MP1B	X	-7.518	.63
56	MP1B	Z	-4.341	.63
57	MP1B	Mx	.009	.63
58	MP1B	X	-7.518	5.88

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP1B	Z	-4.341	5.88
60	MP1B	Mx	.009	5.88
61	MP1C	X	-8.137	.63
62	MP1C	Z	-4.698	.63
63	MP1C	Mx	.004	.63
64	MP1C	X	-8.137	5.88
65	MP1C	Z	-4.698	5.88
66	MP1C	Mx	.004	5.88
67	MP4B	X	-7.518	.63
68	MP4B	Z	-4.341	.63
69	MP4B	Mx	.009	.63
70	MP4B	X	-7.518	5.88
71	MP4B	Z	-4.341	5.88
72	MP4B	Mx	.009	5.88
73	MP4C	X	-8.137	.63
74	MP4C	Z	-4.698	.63
75	MP4C	Mx	.004	.63
76	MP4C	X	-8.137	5.88
77	MP4C	Z	-4.698	5.88
78	MP4C	Mx	.004	5.88
79	MP1A	X	-6.366	.63
80	MP1A	Z	-3.675	.63
81	MP1A	Mx	-.004	.63
82	MP1A	X	-6.366	5.88
83	MP1A	Z	-3.675	5.88
84	MP1A	Mx	-.004	5.88
85	MP4A	X	-6.366	.63
86	MP4A	Z	-3.675	.63
87	MP4A	Mx	-.004	.63
88	MP4A	X	-6.366	5.88
89	MP4A	Z	-3.675	5.88
90	MP4A	Mx	-.004	5.88
91	MP3A	X	-.577	4.5
92	MP3A	Z	-.333	4.5
93	MP3A	Mx	.000139	4.5
94	MP3B	X	-.481	4.5
95	MP3B	Z	-.278	4.5
96	MP3B	Mx	-.0002	4.5
97	MP3C	X	-.603	4.5
98	MP3C	Z	-.348	4.5
99	MP3C	Mx	-9.9e-5	4.5
100	MP2A	X	-2.9	1
101	MP2A	Z	-1.674	1
102	MP2A	Mx	.001	1
103	MP2B	X	-2.376	1
104	MP2B	Z	-1.372	1
105	MP2B	Mx	-.001	1
106	MP2C	X	-3.039	1
107	MP2C	Z	-1.755	1
108	MP2C	Mx	-.00075	1
109	MP3A	X	-2.8	1
110	MP3A	Z	-1.616	1
111	MP3A	Mx	.001	1
112	MP3B	X	-2.075	1
113	MP3B	Z	-1.198	1
114	MP3B	Mx	-.001	1
115	MP3C	X	-2.992	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP3C	Z	-1.728	1
117	MP3C	Mx	-.000739	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.302	1.63
2	MP3A	Z	-5.72	1.63
3	MP3A	Mx	-.007	1.63
4	MP3A	X	-3.302	5.13
5	MP3A	Z	-5.72	5.13
6	MP3A	Mx	-.007	5.13
7	MP3B	X	-4.065	1.63
8	MP3B	Z	-7.041	1.63
9	MP3B	Mx	-.002	1.63
10	MP3B	X	-4.065	5.13
11	MP3B	Z	-7.041	5.13
12	MP3B	Mx	-.002	5.13
13	MP3C	X	-3.551	1.63
14	MP3C	Z	-6.151	1.63
15	MP3C	Mx	.008	1.63
16	MP3C	X	-3.551	5.13
17	MP3C	Z	-6.151	5.13
18	MP3C	Mx	.008	5.13
19	MP3A	X	-3.302	1.63
20	MP3A	Z	-5.72	1.63
21	MP3A	Mx	-.002	1.63
22	MP3A	X	-3.302	5.13
23	MP3A	Z	-5.72	5.13
24	MP3A	Mx	-.002	5.13
25	MP3B	X	-4.065	1.63
26	MP3B	Z	-7.041	1.63
27	MP3B	Mx	.008	1.63
28	MP3B	X	-4.065	5.13
29	MP3B	Z	-7.041	5.13
30	MP3B	Mx	.008	5.13
31	MP3C	X	-3.551	1.63
32	MP3C	Z	-6.151	1.63
33	MP3C	Mx	.000657	1.63
34	MP3C	X	-3.551	5.13
35	MP3C	Z	-6.151	5.13
36	MP3C	Mx	.000657	5.13
37	MP2A	X	-1.247	1.43
38	MP2A	Z	-2.16	1.43
39	MP2A	Mx	-.001	1.43
40	MP2A	X	-1.247	3.43
41	MP2A	Z	-2.16	3.43
42	MP2A	Mx	-.001	3.43
43	MP2B	X	-1.945	1.43
44	MP2B	Z	-3.369	1.43
45	MP2B	Mx	.000972	1.43
46	MP2B	X	-1.945	3.43
47	MP2B	Z	-3.369	3.43
48	MP2B	Mx	.000972	3.43
49	MP2C	X	-1.475	1.43
50	MP2C	Z	-2.555	1.43
51	MP2C	Mx	.001	1.43

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	X	-1.475	3.43
53	MP2C	Z	-2.555	3.43
54	MP2C	Mx	.001	3.43
55	MP1B	X	-4.623	.63
56	MP1B	Z	-8.007	.63
57	MP1B	Mx	.006	.63
58	MP1B	X	-4.623	5.88
59	MP1B	Z	-8.007	5.88
60	MP1B	Mx	.006	5.88
61	MP1C	X	-4.433	.63
62	MP1C	Z	-7.678	.63
63	MP1C	Mx	.008	.63
64	MP1C	X	-4.433	5.88
65	MP1C	Z	-7.678	5.88
66	MP1C	Mx	.008	5.88
67	MP4B	X	-4.623	.63
68	MP4B	Z	-8.007	.63
69	MP4B	Mx	.006	.63
70	MP4B	X	-4.623	5.88
71	MP4B	Z	-8.007	5.88
72	MP4B	Mx	.006	5.88
73	MP4C	X	-4.433	.63
74	MP4C	Z	-7.678	.63
75	MP4C	Mx	.008	.63
76	MP4C	X	-4.433	5.88
77	MP4C	Z	-7.678	5.88
78	MP4C	Mx	.008	5.88
79	MP1A	X	-3.596	.63
80	MP1A	Z	-6.229	.63
81	MP1A	Mx	-.008	.63
82	MP1A	X	-3.596	5.88
83	MP1A	Z	-6.229	5.88
84	MP1A	Mx	-.008	5.88
85	MP4A	X	-3.596	.63
86	MP4A	Z	-6.229	.63
87	MP4A	Mx	-.008	.63
88	MP4A	X	-3.596	5.88
89	MP4A	Z	-6.229	5.88
90	MP4A	Mx	-.008	5.88
91	MP3A	X	-.278	4.5
92	MP3A	Z	-.481	4.5
93	MP3A	Mx	.0002	4.5
94	MP3B	X	-.333	4.5
95	MP3B	Z	-.577	4.5
96	MP3B	Mx	-.000139	4.5
97	MP3C	X	-.296	4.5
98	MP3C	Z	-.513	4.5
99	MP3C	Mx	-.000189	4.5
100	MP2A	X	-1.372	1
101	MP2A	Z	-2.376	1
102	MP2A	Mx	.001	1
103	MP2B	X	-1.674	1
104	MP2B	Z	-2.9	1
105	MP2B	Mx	-.001	1
106	MP2C	X	-1.47	1
107	MP2C	Z	-2.547	1
108	MP2C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP3A	X	-1.198	1
110	MP3A	Z	-2.075	1
111	MP3A	Mx	.001	1
112	MP3B	X	-1.616	1
113	MP3B	Z	-2.8	1
114	MP3B	Mx	-.001	1
115	MP3C	X	-1.334	1
116	MP3C	Z	-2.311	1
117	MP3C	Mx	-.001	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M8	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M11A	Y	-500	0

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	-9.263	-9.263	0	%100
2	M2	Y	-7.681	-7.681	0	%100
3	M4	Y	-6.314	-6.314	0	%100
4	MP1B	Y	-4.776	-4.776	0	%100
5	MP2B	Y	-4.776	-4.776	0	%100
6	MP3B	Y	-5.46	-5.46	0	%100
7	MP4B	Y	-4.776	-4.776	0	%100
8	M14	Y	-9.263	-9.263	0	%100
9	M15	Y	-7.681	-7.681	0	%100
10	M16	Y	-6.314	-6.314	0	%100
11	MP1A	Y	-4.776	-4.776	0	%100
12	MP2A	Y	-4.776	-4.776	0	%100
13	MP3A	Y	-5.46	-5.46	0	%100
14	MP4A	Y	-4.776	-4.776	0	%100
15	M27	Y	-9.263	-9.263	0	%100
16	M28	Y	-7.681	-7.681	0	%100
17	M29	Y	-6.314	-6.314	0	%100
18	MP1C	Y	-4.776	-4.776	0	%100
19	MP2C	Y	-4.776	-4.776	0	%100
20	MP3C	Y	-5.46	-5.46	0	%100
21	MP4C	Y	-4.776	-4.776	0	%100
22	M43	Y	-4.776	-4.776	0	%100
23	M44	Y	-4.776	-4.776	0	%100
24	M45	Y	-4.776	-4.776	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	-8.272	-8.272	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	-11.302	-11.302	0	%100
7	MP1B	X	0	0	0	%100
8	MP1B	Z	-7.669	-7.669	0	%100
9	MP2B	X	0	0	0	%100
10	MP2B	Z	-7.669	-7.669	0	%100
11	MP3B	X	0	0	0	%100
12	MP3B	Z	-9.284	-9.284	0	%100
13	MP4B	X	0	0	0	%100
14	MP4B	Z	-7.669	-7.669	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	-10.577	-10.577	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	-8.272	-8.272	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	-7.669	-7.669	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-7.669	-7.669	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	-9.284	-9.284	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	-7.669	-7.669	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-10.577	-10.577	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-8.272	-8.272	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	-7.669	-7.669	0	%100
37	MP2C	X	0	0	0	%100
38	MP2C	Z	-7.669	-7.669	0	%100
39	MP3C	X	0	0	0	%100
40	MP3C	Z	-9.284	-9.284	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	-7.669	-7.669	0	%100
43	M43	X	0	0	0	%100
44	M43	Z	-2.19	-2.19	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-5.291	-5.291	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-2.587	-2.587	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	1.322	1.322	0	%100
2	M1	Z	-2.29	-2.29	0	%100
3	M2	X	4.136	4.136	0	%100
4	M2	Z	-7.164	-7.164	0	%100
5	M4	X	4.238	4.238	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,%]
6	M4	Z	-7.341	-7.341	0	%100
7	MP1B	X	3.835	3.835	0	%100
8	MP1B	Z	-6.642	-6.642	0	%100
9	MP2B	X	3.835	3.835	0	%100
10	MP2B	Z	-6.642	-6.642	0	%100
11	MP3B	X	4.642	4.642	0	%100
12	MP3B	Z	-8.04	-8.04	0	%100
13	MP4B	X	3.835	3.835	0	%100
14	MP4B	Z	-6.642	-6.642	0	%100
15	M14	X	3.966	3.966	0	%100
16	M14	Z	-6.87	-6.87	0	%100
17	M15	X	4.136	4.136	0	%100
18	M15	Z	-7.164	-7.164	0	%100
19	M16	X	1.413	1.413	0	%100
20	M16	Z	-2.447	-2.447	0	%100
21	MP1A	X	3.835	3.835	0	%100
22	MP1A	Z	-6.642	-6.642	0	%100
23	MP2A	X	3.835	3.835	0	%100
24	MP2A	Z	-6.642	-6.642	0	%100
25	MP3A	X	4.642	4.642	0	%100
26	MP3A	Z	-8.04	-8.04	0	%100
27	MP4A	X	3.835	3.835	0	%100
28	MP4A	Z	-6.642	-6.642	0	%100
29	M27	X	3.966	3.966	0	%100
30	M27	Z	-6.87	-6.87	0	%100
31	M28	X	4.136	4.136	0	%100
32	M28	Z	-7.164	-7.164	0	%100
33	M29	X	1.413	1.413	0	%100
34	M29	Z	-2.447	-2.447	0	%100
35	MP1C	X	3.835	3.835	0	%100
36	MP1C	Z	-6.642	-6.642	0	%100
37	MP2C	X	3.835	3.835	0	%100
38	MP2C	Z	-6.642	-6.642	0	%100
39	MP3C	X	4.642	4.642	0	%100
40	MP3C	Z	-8.04	-8.04	0	%100
41	MP4C	X	3.835	3.835	0	%100
42	MP4C	Z	-6.642	-6.642	0	%100
43	M43	X	.006	.006	0	%100
44	M43	Z	-.011	-.011	0	%100
45	M44	X	3.817	3.817	0	%100
46	M44	Z	-6.612	-6.612	0	%100
47	M45	X	.035	.035	0	%100
48	M45	Z	-.061	-.061	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	6.87	6.87	0	%100
2	M1	Z	-3.966	-3.966	0	%100
3	M2	X	7.164	7.164	0	%100
4	M2	Z	-4.136	-4.136	0	%100
5	M4	X	2.447	2.447	0	%100
6	M4	Z	-1.413	-1.413	0	%100
7	MP1B	X	6.642	6.642	0	%100
8	MP1B	Z	-3.835	-3.835	0	%100
9	MP2B	X	6.642	6.642	0	%100
10	MP2B	Z	-3.835	-3.835	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,%]
11	MP3B	X	8.04	8.04	0	%100
12	MP3B	Z	-4.642	-4.642	0	%100
13	MP4B	X	6.642	6.642	0	%100
14	MP4B	Z	-3.835	-3.835	0	%100
15	M14	X	2.29	2.29	0	%100
16	M14	Z	-1.322	-1.322	0	%100
17	M15	X	7.164	7.164	0	%100
18	M15	Z	-4.136	-4.136	0	%100
19	M16	X	7.341	7.341	0	%100
20	M16	Z	-4.238	-4.238	0	%100
21	MP1A	X	6.642	6.642	0	%100
22	MP1A	Z	-3.835	-3.835	0	%100
23	MP2A	X	6.642	6.642	0	%100
24	MP2A	Z	-3.835	-3.835	0	%100
25	MP3A	X	8.04	8.04	0	%100
26	MP3A	Z	-4.642	-4.642	0	%100
27	MP4A	X	6.642	6.642	0	%100
28	MP4A	Z	-3.835	-3.835	0	%100
29	M27	X	2.29	2.29	0	%100
30	M27	Z	-1.322	-1.322	0	%100
31	M28	X	7.164	7.164	0	%100
32	M28	Z	-4.136	-4.136	0	%100
33	M29	X	7.341	7.341	0	%100
34	M29	Z	-4.238	-4.238	0	%100
35	MP1C	X	6.642	6.642	0	%100
36	MP1C	Z	-3.835	-3.835	0	%100
37	MP2C	X	6.642	6.642	0	%100
38	MP2C	Z	-3.835	-3.835	0	%100
39	MP3C	X	8.04	8.04	0	%100
40	MP3C	Z	-4.642	-4.642	0	%100
41	MP4C	X	6.642	6.642	0	%100
42	MP4C	Z	-3.835	-3.835	0	%100
43	M43	X	1.435	1.435	0	%100
44	M43	Z	-.829	-.829	0	%100
45	M44	X	5.35	5.35	0	%100
46	M44	Z	-3.089	-3.089	0	%100
47	M45	X	1.142	1.142	0	%100
48	M45	Z	-.659	-.659	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	10.577	10.577	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	8.272	8.272	0	%100
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	MP1B	X	7.669	7.669	0	%100
8	MP1B	Z	0	0	0	%100
9	MP2B	X	7.669	7.669	0	%100
10	MP2B	Z	0	0	0	%100
11	MP3B	X	9.284	9.284	0	%100
12	MP3B	Z	0	0	0	%100
13	MP4B	X	7.669	7.669	0	%100
14	MP4B	Z	0	0	0	%100
15	M14	X	0	0	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,%]
16	M14	Z	0	0	0	%100
17	M15	X	8.272	8.272	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	11.302	11.302	0	%100
20	M16	Z	0	0	0	%100
21	MP1A	X	7.669	7.669	0	%100
22	MP1A	Z	0	0	0	%100
23	MP2A	X	7.669	7.669	0	%100
24	MP2A	Z	0	0	0	%100
25	MP3A	X	9.284	9.284	0	%100
26	MP3A	Z	0	0	0	%100
27	MP4A	X	7.669	7.669	0	%100
28	MP4A	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	8.272	8.272	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	11.302	11.302	0	%100
34	M29	Z	0	0	0	%100
35	MP1C	X	7.669	7.669	0	%100
36	MP1C	Z	0	0	0	%100
37	MP2C	X	7.669	7.669	0	%100
38	MP2C	Z	0	0	0	%100
39	MP3C	X	9.284	9.284	0	%100
40	MP3C	Z	0	0	0	%100
41	MP4C	X	7.669	7.669	0	%100
42	MP4C	Z	0	0	0	%100
43	M43	X	5.48	5.48	0	%100
44	M43	Z	0	0	0	%100
45	M44	X	2.378	2.378	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	5.082	5.082	0	%100
48	M45	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	6.87	6.87	0	%100
2	M1	Z	3.966	3.966	0	%100
3	M2	X	7.164	7.164	0	%100
4	M2	Z	4.136	4.136	0	%100
5	M4	X	2.447	2.447	0	%100
6	M4	Z	1.413	1.413	0	%100
7	MP1B	X	6.642	6.642	0	%100
8	MP1B	Z	3.835	3.835	0	%100
9	MP2B	X	6.642	6.642	0	%100
10	MP2B	Z	3.835	3.835	0	%100
11	MP3B	X	8.04	8.04	0	%100
12	MP3B	Z	4.642	4.642	0	%100
13	MP4B	X	6.642	6.642	0	%100
14	MP4B	Z	3.835	3.835	0	%100
15	M14	X	2.29	2.29	0	%100
16	M14	Z	1.322	1.322	0	%100
17	M15	X	7.164	7.164	0	%100
18	M15	Z	4.136	4.136	0	%100
19	M16	X	7.341	7.341	0	%100
20	M16	Z	4.238	4.238	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,%]
21	MP1A	X	6.642	6.642	0	%100
22	MP1A	Z	3.835	3.835	0	%100
23	MP2A	X	6.642	6.642	0	%100
24	MP2A	Z	3.835	3.835	0	%100
25	MP3A	X	8.04	8.04	0	%100
26	MP3A	Z	4.642	4.642	0	%100
27	MP4A	X	6.642	6.642	0	%100
28	MP4A	Z	3.835	3.835	0	%100
29	M27	X	2.29	2.29	0	%100
30	M27	Z	1.322	1.322	0	%100
31	M28	X	7.164	7.164	0	%100
32	M28	Z	4.136	4.136	0	%100
33	M29	X	7.341	7.341	0	%100
34	M29	Z	4.238	4.238	0	%100
35	MP1C	X	6.642	6.642	0	%100
36	MP1C	Z	3.835	3.835	0	%100
37	MP2C	X	6.642	6.642	0	%100
38	MP2C	Z	3.835	3.835	0	%100
39	MP3C	X	8.04	8.04	0	%100
40	MP3C	Z	4.642	4.642	0	%100
41	MP4C	X	6.642	6.642	0	%100
42	MP4C	Z	3.835	3.835	0	%100
43	M43	X	6.631	6.631	0	%100
44	M43	Z	3.828	3.828	0	%100
45	M44	X	.03	.03	0	%100
46	M44	Z	.017	.017	0	%100
47	M45	X	6.58	6.58	0	%100
48	M45	Z	3.799	3.799	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	1.322	1.322	0	%100
2	M1	Z	2.29	2.29	0	%100
3	M2	X	4.136	4.136	0	%100
4	M2	Z	7.164	7.164	0	%100
5	M4	X	4.238	4.238	0	%100
6	M4	Z	7.341	7.341	0	%100
7	MP1B	X	3.835	3.835	0	%100
8	MP1B	Z	6.642	6.642	0	%100
9	MP2B	X	3.835	3.835	0	%100
10	MP2B	Z	6.642	6.642	0	%100
11	MP3B	X	4.642	4.642	0	%100
12	MP3B	Z	8.04	8.04	0	%100
13	MP4B	X	3.835	3.835	0	%100
14	MP4B	Z	6.642	6.642	0	%100
15	M14	X	3.966	3.966	0	%100
16	M14	Z	6.87	6.87	0	%100
17	M15	X	4.136	4.136	0	%100
18	M15	Z	7.164	7.164	0	%100
19	M16	X	1.413	1.413	0	%100
20	M16	Z	2.447	2.447	0	%100
21	MP1A	X	3.835	3.835	0	%100
22	MP1A	Z	6.642	6.642	0	%100
23	MP2A	X	3.835	3.835	0	%100
24	MP2A	Z	6.642	6.642	0	%100
25	MP3A	X	4.642	4.642	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,%]
26	MP3A	Z	8.04	8.04	0	%100
27	MP4A	X	3.835	3.835	0	%100
28	MP4A	Z	6.642	6.642	0	%100
29	M27	X	3.966	3.966	0	%100
30	M27	Z	6.87	6.87	0	%100
31	M28	X	4.136	4.136	0	%100
32	M28	Z	7.164	7.164	0	%100
33	M29	X	1.413	1.413	0	%100
34	M29	Z	2.447	2.447	0	%100
35	MP1C	X	3.835	3.835	0	%100
36	MP1C	Z	6.642	6.642	0	%100
37	MP2C	X	3.835	3.835	0	%100
38	MP2C	Z	6.642	6.642	0	%100
39	MP3C	X	4.642	4.642	0	%100
40	MP3C	Z	8.04	8.04	0	%100
41	MP4C	X	3.835	3.835	0	%100
42	MP4C	Z	6.642	6.642	0	%100
43	M43	X	3.006	3.006	0	%100
44	M43	Z	5.206	5.206	0	%100
45	M44	X	.746	.746	0	%100
46	M44	Z	1.291	1.291	0	%100
47	M45	X	3.175	3.175	0	%100
48	M45	Z	5.5	5.5	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	8.272	8.272	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	11.302	11.302	0	%100
7	MP1B	X	0	0	0	%100
8	MP1B	Z	7.669	7.669	0	%100
9	MP2B	X	0	0	0	%100
10	MP2B	Z	7.669	7.669	0	%100
11	MP3B	X	0	0	0	%100
12	MP3B	Z	9.284	9.284	0	%100
13	MP4B	X	0	0	0	%100
14	MP4B	Z	7.669	7.669	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	10.577	10.577	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	8.272	8.272	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	7.669	7.669	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	7.669	7.669	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	9.284	9.284	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	7.669	7.669	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	10.577	10.577	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,%]
31	M28	X	0	0	0	%100
32	M28	Z	8.272	8.272	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	7.669	7.669	0	%100
37	MP2C	X	0	0	0	%100
38	MP2C	Z	7.669	7.669	0	%100
39	MP3C	X	0	0	0	%100
40	MP3C	Z	9.284	9.284	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	7.669	7.669	0	%100
43	M43	X	0	0	0	%100
44	M43	Z	2.19	2.19	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	5.291	5.291	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	2.587	2.587	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	-1.322	-1.322	0	%100
2	M1	Z	2.29	2.29	0	%100
3	M2	X	-4.136	-4.136	0	%100
4	M2	Z	7.164	7.164	0	%100
5	M4	X	-4.238	-4.238	0	%100
6	M4	Z	7.341	7.341	0	%100
7	MP1B	X	-3.835	-3.835	0	%100
8	MP1B	Z	6.642	6.642	0	%100
9	MP2B	X	-3.835	-3.835	0	%100
10	MP2B	Z	6.642	6.642	0	%100
11	MP3B	X	-4.642	-4.642	0	%100
12	MP3B	Z	8.04	8.04	0	%100
13	MP4B	X	-3.835	-3.835	0	%100
14	MP4B	Z	6.642	6.642	0	%100
15	M14	X	-3.966	-3.966	0	%100
16	M14	Z	6.87	6.87	0	%100
17	M15	X	-4.136	-4.136	0	%100
18	M15	Z	7.164	7.164	0	%100
19	M16	X	-1.413	-1.413	0	%100
20	M16	Z	2.447	2.447	0	%100
21	MP1A	X	-3.835	-3.835	0	%100
22	MP1A	Z	6.642	6.642	0	%100
23	MP2A	X	-3.835	-3.835	0	%100
24	MP2A	Z	6.642	6.642	0	%100
25	MP3A	X	-4.642	-4.642	0	%100
26	MP3A	Z	8.04	8.04	0	%100
27	MP4A	X	-3.835	-3.835	0	%100
28	MP4A	Z	6.642	6.642	0	%100
29	M27	X	-3.966	-3.966	0	%100
30	M27	Z	6.87	6.87	0	%100
31	M28	X	-4.136	-4.136	0	%100
32	M28	Z	7.164	7.164	0	%100
33	M29	X	-1.413	-1.413	0	%100
34	M29	Z	2.447	2.447	0	%100
35	MP1C	X	-3.835	-3.835	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,%]
36	MP1C	Z	6.642	6.642	0	%100
37	MP2C	X	-3.835	-3.835	0	%100
38	MP2C	Z	6.642	6.642	0	%100
39	MP3C	X	-4.642	-4.642	0	%100
40	MP3C	Z	8.04	8.04	0	%100
41	MP4C	X	-3.835	-3.835	0	%100
42	MP4C	Z	6.642	6.642	0	%100
43	M43	X	-.006	-.006	0	%100
44	M43	Z	.011	.011	0	%100
45	M44	X	-3.817	-3.817	0	%100
46	M44	Z	6.612	6.612	0	%100
47	M45	X	-.035	-.035	0	%100
48	M45	Z	.061	.061	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	-6.87	-6.87	0	%100
2	M1	Z	3.966	3.966	0	%100
3	M2	X	-7.164	-7.164	0	%100
4	M2	Z	4.136	4.136	0	%100
5	M4	X	-2.447	-2.447	0	%100
6	M4	Z	1.413	1.413	0	%100
7	MP1B	X	-6.642	-6.642	0	%100
8	MP1B	Z	3.835	3.835	0	%100
9	MP2B	X	-6.642	-6.642	0	%100
10	MP2B	Z	3.835	3.835	0	%100
11	MP3B	X	-8.04	-8.04	0	%100
12	MP3B	Z	4.642	4.642	0	%100
13	MP4B	X	-6.642	-6.642	0	%100
14	MP4B	Z	3.835	3.835	0	%100
15	M14	X	-2.29	-2.29	0	%100
16	M14	Z	1.322	1.322	0	%100
17	M15	X	-7.164	-7.164	0	%100
18	M15	Z	4.136	4.136	0	%100
19	M16	X	-7.341	-7.341	0	%100
20	M16	Z	4.238	4.238	0	%100
21	MP1A	X	-6.642	-6.642	0	%100
22	MP1A	Z	3.835	3.835	0	%100
23	MP2A	X	-6.642	-6.642	0	%100
24	MP2A	Z	3.835	3.835	0	%100
25	MP3A	X	-8.04	-8.04	0	%100
26	MP3A	Z	4.642	4.642	0	%100
27	MP4A	X	-6.642	-6.642	0	%100
28	MP4A	Z	3.835	3.835	0	%100
29	M27	X	-2.29	-2.29	0	%100
30	M27	Z	1.322	1.322	0	%100
31	M28	X	-7.164	-7.164	0	%100
32	M28	Z	4.136	4.136	0	%100
33	M29	X	-7.341	-7.341	0	%100
34	M29	Z	4.238	4.238	0	%100
35	MP1C	X	-6.642	-6.642	0	%100
36	MP1C	Z	3.835	3.835	0	%100
37	MP2C	X	-6.642	-6.642	0	%100
38	MP2C	Z	3.835	3.835	0	%100
39	MP3C	X	-8.04	-8.04	0	%100
40	MP3C	Z	4.642	4.642	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,%]
41	MP4C	X	-6.642	-6.642	0	%100
42	MP4C	Z	3.835	3.835	0	%100
43	M43	X	-1.435	-1.435	0	%100
44	M43	Z	.829	.829	0	%100
45	M44	X	-5.35	-5.35	0	%100
46	M44	Z	3.089	3.089	0	%100
47	M45	X	-1.142	-1.142	0	%100
48	M45	Z	.659	.659	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	-10.577	-10.577	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-8.272	-8.272	0	%100
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	MP1B	X	-7.669	-7.669	0	%100
8	MP1B	Z	0	0	0	%100
9	MP2B	X	-7.669	-7.669	0	%100
10	MP2B	Z	0	0	0	%100
11	MP3B	X	-9.284	-9.284	0	%100
12	MP3B	Z	0	0	0	%100
13	MP4B	X	-7.669	-7.669	0	%100
14	MP4B	Z	0	0	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	-8.272	-8.272	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	-11.302	-11.302	0	%100
20	M16	Z	0	0	0	%100
21	MP1A	X	-7.669	-7.669	0	%100
22	MP1A	Z	0	0	0	%100
23	MP2A	X	-7.669	-7.669	0	%100
24	MP2A	Z	0	0	0	%100
25	MP3A	X	-9.284	-9.284	0	%100
26	MP3A	Z	0	0	0	%100
27	MP4A	X	-7.669	-7.669	0	%100
28	MP4A	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-8.272	-8.272	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-11.302	-11.302	0	%100
34	M29	Z	0	0	0	%100
35	MP1C	X	-7.669	-7.669	0	%100
36	MP1C	Z	0	0	0	%100
37	MP2C	X	-7.669	-7.669	0	%100
38	MP2C	Z	0	0	0	%100
39	MP3C	X	-9.284	-9.284	0	%100
40	MP3C	Z	0	0	0	%100
41	MP4C	X	-7.669	-7.669	0	%100
42	MP4C	Z	0	0	0	%100
43	M43	X	-5.48	-5.48	0	%100
44	M43	Z	0	0	0	%100
45	M44	X	-2.378	-2.378	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,%]
46	M44	Z	0	0	0	%100
47	M45	X	-5.082	-5.082	0	%100
48	M45	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	-6.87	-6.87	0	%100
2	M1	Z	-3.966	-3.966	0	%100
3	M2	X	-7.164	-7.164	0	%100
4	M2	Z	-4.136	-4.136	0	%100
5	M4	X	-2.447	-2.447	0	%100
6	M4	Z	-1.413	-1.413	0	%100
7	MP1B	X	-6.642	-6.642	0	%100
8	MP1B	Z	-3.835	-3.835	0	%100
9	MP2B	X	-6.642	-6.642	0	%100
10	MP2B	Z	-3.835	-3.835	0	%100
11	MP3B	X	-8.04	-8.04	0	%100
12	MP3B	Z	-4.642	-4.642	0	%100
13	MP4B	X	-6.642	-6.642	0	%100
14	MP4B	Z	-3.835	-3.835	0	%100
15	M14	X	-2.29	-2.29	0	%100
16	M14	Z	-1.322	-1.322	0	%100
17	M15	X	-7.164	-7.164	0	%100
18	M15	Z	-4.136	-4.136	0	%100
19	M16	X	-7.341	-7.341	0	%100
20	M16	Z	-4.238	-4.238	0	%100
21	MP1A	X	-6.642	-6.642	0	%100
22	MP1A	Z	-3.835	-3.835	0	%100
23	MP2A	X	-6.642	-6.642	0	%100
24	MP2A	Z	-3.835	-3.835	0	%100
25	MP3A	X	-8.04	-8.04	0	%100
26	MP3A	Z	-4.642	-4.642	0	%100
27	MP4A	X	-6.642	-6.642	0	%100
28	MP4A	Z	-3.835	-3.835	0	%100
29	M27	X	-2.29	-2.29	0	%100
30	M27	Z	-1.322	-1.322	0	%100
31	M28	X	-7.164	-7.164	0	%100
32	M28	Z	-4.136	-4.136	0	%100
33	M29	X	-7.341	-7.341	0	%100
34	M29	Z	-4.238	-4.238	0	%100
35	MP1C	X	-6.642	-6.642	0	%100
36	MP1C	Z	-3.835	-3.835	0	%100
37	MP2C	X	-6.642	-6.642	0	%100
38	MP2C	Z	-3.835	-3.835	0	%100
39	MP3C	X	-8.04	-8.04	0	%100
40	MP3C	Z	-4.642	-4.642	0	%100
41	MP4C	X	-6.642	-6.642	0	%100
42	MP4C	Z	-3.835	-3.835	0	%100
43	M43	X	-6.631	-6.631	0	%100
44	M43	Z	-3.828	-3.828	0	%100
45	M44	X	-.03	-.03	0	%100
46	M44	Z	-.017	-.017	0	%100
47	M45	X	-6.58	-6.58	0	%100
48	M45	Z	-3.799	-3.799	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	-1.322	-1.322	0	%100
2	M1	Z	-2.29	-2.29	0	%100
3	M2	X	-4.136	-4.136	0	%100
4	M2	Z	-7.164	-7.164	0	%100
5	M4	X	-4.238	-4.238	0	%100
6	M4	Z	-7.341	-7.341	0	%100
7	MP1B	X	-3.835	-3.835	0	%100
8	MP1B	Z	-6.642	-6.642	0	%100
9	MP2B	X	-3.835	-3.835	0	%100
10	MP2B	Z	-6.642	-6.642	0	%100
11	MP3B	X	-4.642	-4.642	0	%100
12	MP3B	Z	-8.04	-8.04	0	%100
13	MP4B	X	-3.835	-3.835	0	%100
14	MP4B	Z	-6.642	-6.642	0	%100
15	M14	X	-3.966	-3.966	0	%100
16	M14	Z	-6.87	-6.87	0	%100
17	M15	X	-4.136	-4.136	0	%100
18	M15	Z	-7.164	-7.164	0	%100
19	M16	X	-1.413	-1.413	0	%100
20	M16	Z	-2.447	-2.447	0	%100
21	MP1A	X	-3.835	-3.835	0	%100
22	MP1A	Z	-6.642	-6.642	0	%100
23	MP2A	X	-3.835	-3.835	0	%100
24	MP2A	Z	-6.642	-6.642	0	%100
25	MP3A	X	-4.642	-4.642	0	%100
26	MP3A	Z	-8.04	-8.04	0	%100
27	MP4A	X	-3.835	-3.835	0	%100
28	MP4A	Z	-6.642	-6.642	0	%100
29	M27	X	-3.966	-3.966	0	%100
30	M27	Z	-6.87	-6.87	0	%100
31	M28	X	-4.136	-4.136	0	%100
32	M28	Z	-7.164	-7.164	0	%100
33	M29	X	-1.413	-1.413	0	%100
34	M29	Z	-2.447	-2.447	0	%100
35	MP1C	X	-3.835	-3.835	0	%100
36	MP1C	Z	-6.642	-6.642	0	%100
37	MP2C	X	-3.835	-3.835	0	%100
38	MP2C	Z	-6.642	-6.642	0	%100
39	MP3C	X	-4.642	-4.642	0	%100
40	MP3C	Z	-8.04	-8.04	0	%100
41	MP4C	X	-3.835	-3.835	0	%100
42	MP4C	Z	-6.642	-6.642	0	%100
43	M43	X	-3.006	-3.006	0	%100
44	M43	Z	-5.206	-5.206	0	%100
45	M44	X	-.746	-.746	0	%100
46	M44	Z	-1.291	-1.291	0	%100
47	M45	X	-3.175	-3.175	0	%100
48	M45	Z	-5.5	-5.5	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	-2.324	-2.324	0	%100
5	M4	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M4	Z	-3.112	-3.112	0	%100
7	MP1B	X	0	0	0	%100
8	MP1B	Z	-2.502	-2.502	0	%100
9	MP2B	X	0	0	0	%100
10	MP2B	Z	-2.502	-2.502	0	%100
11	MP3B	X	0	0	0	%100
12	MP3B	Z	-2.773	-2.773	0	%100
13	MP4B	X	0	0	0	%100
14	MP4B	Z	-2.502	-2.502	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	-2.88	-2.88	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	-2.324	-2.324	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	-2.502	-2.502	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-2.502	-2.502	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	-2.773	-2.773	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	-2.502	-2.502	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-2.88	-2.88	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-2.324	-2.324	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	-2.502	-2.502	0	%100
37	MP2C	X	0	0	0	%100
38	MP2C	Z	-2.502	-2.502	0	%100
39	MP3C	X	0	0	0	%100
40	MP3C	Z	-2.773	-2.773	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	-2.502	-2.502	0	%100
43	M43	X	0	0	0	%100
44	M43	Z	-.714	-.714	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-1.726	-1.726	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-.844	-.844	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	.36	.36	0	%100
2	M1	Z	-.624	-.624	0	%100
3	M2	X	1.162	1.162	0	%100
4	M2	Z	-2.013	-2.013	0	%100
5	M4	X	1.167	1.167	0	%100
6	M4	Z	-2.021	-2.021	0	%100
7	MP1B	X	1.251	1.251	0	%100
8	MP1B	Z	-2.167	-2.167	0	%100
9	MP2B	X	1.251	1.251	0	%100
10	MP2B	Z	-2.167	-2.167	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,%]
11	MP3B	X	1.387	1.387	0	%100
12	MP3B	Z	-2.402	-2.402	0	%100
13	MP4B	X	1.251	1.251	0	%100
14	MP4B	Z	-2.167	-2.167	0	%100
15	M14	X	1.08	1.08	0	%100
16	M14	Z	-1.871	-1.871	0	%100
17	M15	X	1.162	1.162	0	%100
18	M15	Z	-2.013	-2.013	0	%100
19	M16	X	.389	.389	0	%100
20	M16	Z	-.674	-.674	0	%100
21	MP1A	X	1.251	1.251	0	%100
22	MP1A	Z	-2.167	-2.167	0	%100
23	MP2A	X	1.251	1.251	0	%100
24	MP2A	Z	-2.167	-2.167	0	%100
25	MP3A	X	1.387	1.387	0	%100
26	MP3A	Z	-2.402	-2.402	0	%100
27	MP4A	X	1.251	1.251	0	%100
28	MP4A	Z	-2.167	-2.167	0	%100
29	M27	X	1.08	1.08	0	%100
30	M27	Z	-1.871	-1.871	0	%100
31	M28	X	1.162	1.162	0	%100
32	M28	Z	-2.013	-2.013	0	%100
33	M29	X	.389	.389	0	%100
34	M29	Z	-.674	-.674	0	%100
35	MP1C	X	1.251	1.251	0	%100
36	MP1C	Z	-2.167	-2.167	0	%100
37	MP2C	X	1.251	1.251	0	%100
38	MP2C	Z	-2.167	-2.167	0	%100
39	MP3C	X	1.387	1.387	0	%100
40	MP3C	Z	-2.402	-2.402	0	%100
41	MP4C	X	1.251	1.251	0	%100
42	MP4C	Z	-2.167	-2.167	0	%100
43	M43	X	.002	.002	0	%100
44	M43	Z	-.003	-.003	0	%100
45	M44	X	1.245	1.245	0	%100
46	M44	Z	-2.157	-2.157	0	%100
47	M45	X	.012	.012	0	%100
48	M45	Z	-.02	-.02	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	1.871	1.871	0	%100
2	M1	Z	-1.08	-1.08	0	%100
3	M2	X	2.013	2.013	0	%100
4	M2	Z	-1.162	-1.162	0	%100
5	M4	X	.674	.674	0	%100
6	M4	Z	-.389	-.389	0	%100
7	MP1B	X	2.167	2.167	0	%100
8	MP1B	Z	-1.251	-1.251	0	%100
9	MP2B	X	2.167	2.167	0	%100
10	MP2B	Z	-1.251	-1.251	0	%100
11	MP3B	X	2.402	2.402	0	%100
12	MP3B	Z	-1.387	-1.387	0	%100
13	MP4B	X	2.167	2.167	0	%100
14	MP4B	Z	-1.251	-1.251	0	%100
15	M14	X	.624	.624	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,%]
16	M14	Z	-.36	-.36	0	%100
17	M15	X	2.013	2.013	0	%100
18	M15	Z	-1.162	-1.162	0	%100
19	M16	X	2.021	2.021	0	%100
20	M16	Z	-1.167	-1.167	0	%100
21	MP1A	X	2.167	2.167	0	%100
22	MP1A	Z	-1.251	-1.251	0	%100
23	MP2A	X	2.167	2.167	0	%100
24	MP2A	Z	-1.251	-1.251	0	%100
25	MP3A	X	2.402	2.402	0	%100
26	MP3A	Z	-1.387	-1.387	0	%100
27	MP4A	X	2.167	2.167	0	%100
28	MP4A	Z	-1.251	-1.251	0	%100
29	M27	X	.624	.624	0	%100
30	M27	Z	-.36	-.36	0	%100
31	M28	X	2.013	2.013	0	%100
32	M28	Z	-1.162	-1.162	0	%100
33	M29	X	2.021	2.021	0	%100
34	M29	Z	-1.167	-1.167	0	%100
35	MP1C	X	2.167	2.167	0	%100
36	MP1C	Z	-1.251	-1.251	0	%100
37	MP2C	X	2.167	2.167	0	%100
38	MP2C	Z	-1.251	-1.251	0	%100
39	MP3C	X	2.402	2.402	0	%100
40	MP3C	Z	-1.387	-1.387	0	%100
41	MP4C	X	2.167	2.167	0	%100
42	MP4C	Z	-1.251	-1.251	0	%100
43	M43	X	.468	.468	0	%100
44	M43	Z	-.27	-.27	0	%100
45	M44	X	1.745	1.745	0	%100
46	M44	Z	-1.008	-1.008	0	%100
47	M45	X	.372	.372	0	%100
48	M45	Z	-.215	-.215	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	2.88	2.88	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	2.324	2.324	0	%100
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	MP1B	X	2.502	2.502	0	%100
8	MP1B	Z	0	0	0	%100
9	MP2B	X	2.502	2.502	0	%100
10	MP2B	Z	0	0	0	%100
11	MP3B	X	2.773	2.773	0	%100
12	MP3B	Z	0	0	0	%100
13	MP4B	X	2.502	2.502	0	%100
14	MP4B	Z	0	0	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	2.324	2.324	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	3.112	3.112	0	%100
20	M16	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,%]
21	MP1A	X	2.502	2.502	0	%100
22	MP1A	Z	0	0	0	%100
23	MP2A	X	2.502	2.502	0	%100
24	MP2A	Z	0	0	0	%100
25	MP3A	X	2.773	2.773	0	%100
26	MP3A	Z	0	0	0	%100
27	MP4A	X	2.502	2.502	0	%100
28	MP4A	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	2.324	2.324	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	3.112	3.112	0	%100
34	M29	Z	0	0	0	%100
35	MP1C	X	2.502	2.502	0	%100
36	MP1C	Z	0	0	0	%100
37	MP2C	X	2.502	2.502	0	%100
38	MP2C	Z	0	0	0	%100
39	MP3C	X	2.773	2.773	0	%100
40	MP3C	Z	0	0	0	%100
41	MP4C	X	2.502	2.502	0	%100
42	MP4C	Z	0	0	0	%100
43	M43	X	1.788	1.788	0	%100
44	M43	Z	0	0	0	%100
45	M44	X	.776	.776	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	1.658	1.658	0	%100
48	M45	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	1.871	1.871	0	%100
2	M1	Z	1.08	1.08	0	%100
3	M2	X	2.013	2.013	0	%100
4	M2	Z	1.162	1.162	0	%100
5	M4	X	.674	.674	0	%100
6	M4	Z	.389	.389	0	%100
7	MP1B	X	2.167	2.167	0	%100
8	MP1B	Z	1.251	1.251	0	%100
9	MP2B	X	2.167	2.167	0	%100
10	MP2B	Z	1.251	1.251	0	%100
11	MP3B	X	2.402	2.402	0	%100
12	MP3B	Z	1.387	1.387	0	%100
13	MP4B	X	2.167	2.167	0	%100
14	MP4B	Z	1.251	1.251	0	%100
15	M14	X	.624	.624	0	%100
16	M14	Z	.36	.36	0	%100
17	M15	X	2.013	2.013	0	%100
18	M15	Z	1.162	1.162	0	%100
19	M16	X	2.021	2.021	0	%100
20	M16	Z	1.167	1.167	0	%100
21	MP1A	X	2.167	2.167	0	%100
22	MP1A	Z	1.251	1.251	0	%100
23	MP2A	X	2.167	2.167	0	%100
24	MP2A	Z	1.251	1.251	0	%100
25	MP3A	X	2.402	2.402	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,%]
26	MP3A	Z	1.387	1.387	0	%100
27	MP4A	X	2.167	2.167	0	%100
28	MP4A	Z	1.251	1.251	0	%100
29	M27	X	.624	.624	0	%100
30	M27	Z	.36	.36	0	%100
31	M28	X	2.013	2.013	0	%100
32	M28	Z	1.162	1.162	0	%100
33	M29	X	2.021	2.021	0	%100
34	M29	Z	1.167	1.167	0	%100
35	MP1C	X	2.167	2.167	0	%100
36	MP1C	Z	1.251	1.251	0	%100
37	MP2C	X	2.167	2.167	0	%100
38	MP2C	Z	1.251	1.251	0	%100
39	MP3C	X	2.402	2.402	0	%100
40	MP3C	Z	1.387	1.387	0	%100
41	MP4C	X	2.167	2.167	0	%100
42	MP4C	Z	1.251	1.251	0	%100
43	M43	X	2.163	2.163	0	%100
44	M43	Z	1.249	1.249	0	%100
45	M44	X	.01	.01	0	%100
46	M44	Z	.006	.006	0	%100
47	M45	X	2.147	2.147	0	%100
48	M45	Z	1.239	1.239	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	.36	.36	0	%100
2	M1	Z	.624	.624	0	%100
3	M2	X	1.162	1.162	0	%100
4	M2	Z	2.013	2.013	0	%100
5	M4	X	1.167	1.167	0	%100
6	M4	Z	2.021	2.021	0	%100
7	MP1B	X	1.251	1.251	0	%100
8	MP1B	Z	2.167	2.167	0	%100
9	MP2B	X	1.251	1.251	0	%100
10	MP2B	Z	2.167	2.167	0	%100
11	MP3B	X	1.387	1.387	0	%100
12	MP3B	Z	2.402	2.402	0	%100
13	MP4B	X	1.251	1.251	0	%100
14	MP4B	Z	2.167	2.167	0	%100
15	M14	X	1.08	1.08	0	%100
16	M14	Z	1.871	1.871	0	%100
17	M15	X	1.162	1.162	0	%100
18	M15	Z	2.013	2.013	0	%100
19	M16	X	.389	.389	0	%100
20	M16	Z	.674	.674	0	%100
21	MP1A	X	1.251	1.251	0	%100
22	MP1A	Z	2.167	2.167	0	%100
23	MP2A	X	1.251	1.251	0	%100
24	MP2A	Z	2.167	2.167	0	%100
25	MP3A	X	1.387	1.387	0	%100
26	MP3A	Z	2.402	2.402	0	%100
27	MP4A	X	1.251	1.251	0	%100
28	MP4A	Z	2.167	2.167	0	%100
29	M27	X	1.08	1.08	0	%100
30	M27	Z	1.871	1.871	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,%]
31	M28	X	1.162	1.162	0	%100
32	M28	Z	2.013	2.013	0	%100
33	M29	X	.389	.389	0	%100
34	M29	Z	.674	.674	0	%100
35	MP1C	X	1.251	1.251	0	%100
36	MP1C	Z	2.167	2.167	0	%100
37	MP2C	X	1.251	1.251	0	%100
38	MP2C	Z	2.167	2.167	0	%100
39	MP3C	X	1.387	1.387	0	%100
40	MP3C	Z	2.402	2.402	0	%100
41	MP4C	X	1.251	1.251	0	%100
42	MP4C	Z	2.167	2.167	0	%100
43	M43	X	.981	.981	0	%100
44	M43	Z	1.698	1.698	0	%100
45	M44	X	.243	.243	0	%100
46	M44	Z	.421	.421	0	%100
47	M45	X	1.036	1.036	0	%100
48	M45	Z	1.794	1.794	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	2.324	2.324	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	3.112	3.112	0	%100
7	MP1B	X	0	0	0	%100
8	MP1B	Z	2.502	2.502	0	%100
9	MP2B	X	0	0	0	%100
10	MP2B	Z	2.502	2.502	0	%100
11	MP3B	X	0	0	0	%100
12	MP3B	Z	2.773	2.773	0	%100
13	MP4B	X	0	0	0	%100
14	MP4B	Z	2.502	2.502	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	2.88	2.88	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	2.324	2.324	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	2.502	2.502	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	2.502	2.502	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	2.773	2.773	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	2.502	2.502	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	2.88	2.88	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	2.324	2.324	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	MP1C	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,%]
36	MP1C	Z	2.502	2.502	0	%100
37	MP2C	X	0	0	0	%100
38	MP2C	Z	2.502	2.502	0	%100
39	MP3C	X	0	0	0	%100
40	MP3C	Z	2.773	2.773	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	2.502	2.502	0	%100
43	M43	X	0	0	0	%100
44	M43	Z	.714	.714	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	1.726	1.726	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	.844	.844	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	-.36	-.36	0	%100
2	M1	Z	.624	.624	0	%100
3	M2	X	-1.162	-1.162	0	%100
4	M2	Z	2.013	2.013	0	%100
5	M4	X	-1.167	-1.167	0	%100
6	M4	Z	2.021	2.021	0	%100
7	MP1B	X	-1.251	-1.251	0	%100
8	MP1B	Z	2.167	2.167	0	%100
9	MP2B	X	-1.251	-1.251	0	%100
10	MP2B	Z	2.167	2.167	0	%100
11	MP3B	X	-1.387	-1.387	0	%100
12	MP3B	Z	2.402	2.402	0	%100
13	MP4B	X	-1.251	-1.251	0	%100
14	MP4B	Z	2.167	2.167	0	%100
15	M14	X	-1.08	-1.08	0	%100
16	M14	Z	1.871	1.871	0	%100
17	M15	X	-1.162	-1.162	0	%100
18	M15	Z	2.013	2.013	0	%100
19	M16	X	-.389	-.389	0	%100
20	M16	Z	.674	.674	0	%100
21	MP1A	X	-1.251	-1.251	0	%100
22	MP1A	Z	2.167	2.167	0	%100
23	MP2A	X	-1.251	-1.251	0	%100
24	MP2A	Z	2.167	2.167	0	%100
25	MP3A	X	-1.387	-1.387	0	%100
26	MP3A	Z	2.402	2.402	0	%100
27	MP4A	X	-1.251	-1.251	0	%100
28	MP4A	Z	2.167	2.167	0	%100
29	M27	X	-1.08	-1.08	0	%100
30	M27	Z	1.871	1.871	0	%100
31	M28	X	-1.162	-1.162	0	%100
32	M28	Z	2.013	2.013	0	%100
33	M29	X	-.389	-.389	0	%100
34	M29	Z	.674	.674	0	%100
35	MP1C	X	-1.251	-1.251	0	%100
36	MP1C	Z	2.167	2.167	0	%100
37	MP2C	X	-1.251	-1.251	0	%100
38	MP2C	Z	2.167	2.167	0	%100
39	MP3C	X	-1.387	-1.387	0	%100
40	MP3C	Z	2.402	2.402	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,%]
41	MP4C	X	-1.251	-1.251	0	%100
42	MP4C	Z	2.167	2.167	0	%100
43	M43	X	-.002	-.002	0	%100
44	M43	Z	.003	.003	0	%100
45	M44	X	-1.245	-1.245	0	%100
46	M44	Z	2.157	2.157	0	%100
47	M45	X	-.012	-.012	0	%100
48	M45	Z	.02	.02	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	-1.871	-1.871	0	%100
2	M1	Z	1.08	1.08	0	%100
3	M2	X	-2.013	-2.013	0	%100
4	M2	Z	1.162	1.162	0	%100
5	M4	X	-.674	-.674	0	%100
6	M4	Z	.389	.389	0	%100
7	MP1B	X	-2.167	-2.167	0	%100
8	MP1B	Z	1.251	1.251	0	%100
9	MP2B	X	-2.167	-2.167	0	%100
10	MP2B	Z	1.251	1.251	0	%100
11	MP3B	X	-2.402	-2.402	0	%100
12	MP3B	Z	1.387	1.387	0	%100
13	MP4B	X	-2.167	-2.167	0	%100
14	MP4B	Z	1.251	1.251	0	%100
15	M14	X	-.624	-.624	0	%100
16	M14	Z	.36	.36	0	%100
17	M15	X	-2.013	-2.013	0	%100
18	M15	Z	1.162	1.162	0	%100
19	M16	X	-2.021	-2.021	0	%100
20	M16	Z	1.167	1.167	0	%100
21	MP1A	X	-2.167	-2.167	0	%100
22	MP1A	Z	1.251	1.251	0	%100
23	MP2A	X	-2.167	-2.167	0	%100
24	MP2A	Z	1.251	1.251	0	%100
25	MP3A	X	-2.402	-2.402	0	%100
26	MP3A	Z	1.387	1.387	0	%100
27	MP4A	X	-2.167	-2.167	0	%100
28	MP4A	Z	1.251	1.251	0	%100
29	M27	X	-.624	-.624	0	%100
30	M27	Z	.36	.36	0	%100
31	M28	X	-2.013	-2.013	0	%100
32	M28	Z	1.162	1.162	0	%100
33	M29	X	-2.021	-2.021	0	%100
34	M29	Z	1.167	1.167	0	%100
35	MP1C	X	-2.167	-2.167	0	%100
36	MP1C	Z	1.251	1.251	0	%100
37	MP2C	X	-2.167	-2.167	0	%100
38	MP2C	Z	1.251	1.251	0	%100
39	MP3C	X	-2.402	-2.402	0	%100
40	MP3C	Z	1.387	1.387	0	%100
41	MP4C	X	-2.167	-2.167	0	%100
42	MP4C	Z	1.251	1.251	0	%100
43	M43	X	-.468	-.468	0	%100
44	M43	Z	.27	.27	0	%100
45	M44	X	-1.745	-1.745	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,%]
46	M44	Z	1.008	1.008	0	%100
47	M45	X	-.372	-.372	0	%100
48	M45	Z	.215	.215	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	-2.88	-2.88	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-2.324	-2.324	0	%100
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	MP1B	X	-2.502	-2.502	0	%100
8	MP1B	Z	0	0	0	%100
9	MP2B	X	-2.502	-2.502	0	%100
10	MP2B	Z	0	0	0	%100
11	MP3B	X	-2.773	-2.773	0	%100
12	MP3B	Z	0	0	0	%100
13	MP4B	X	-2.502	-2.502	0	%100
14	MP4B	Z	0	0	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	-2.324	-2.324	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	-3.112	-3.112	0	%100
20	M16	Z	0	0	0	%100
21	MP1A	X	-2.502	-2.502	0	%100
22	MP1A	Z	0	0	0	%100
23	MP2A	X	-2.502	-2.502	0	%100
24	MP2A	Z	0	0	0	%100
25	MP3A	X	-2.773	-2.773	0	%100
26	MP3A	Z	0	0	0	%100
27	MP4A	X	-2.502	-2.502	0	%100
28	MP4A	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-2.324	-2.324	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-3.112	-3.112	0	%100
34	M29	Z	0	0	0	%100
35	MP1C	X	-2.502	-2.502	0	%100
36	MP1C	Z	0	0	0	%100
37	MP2C	X	-2.502	-2.502	0	%100
38	MP2C	Z	0	0	0	%100
39	MP3C	X	-2.773	-2.773	0	%100
40	MP3C	Z	0	0	0	%100
41	MP4C	X	-2.502	-2.502	0	%100
42	MP4C	Z	0	0	0	%100
43	M43	X	-1.788	-1.788	0	%100
44	M43	Z	0	0	0	%100
45	M44	X	-.776	-.776	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-1.658	-1.658	0	%100
48	M45	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	-1.871	-1.871	0	%100
2	M1	Z	-1.08	-1.08	0	%100
3	M2	X	-2.013	-2.013	0	%100
4	M2	Z	-1.162	-1.162	0	%100
5	M4	X	-.674	-.674	0	%100
6	M4	Z	-.389	-.389	0	%100
7	MP1B	X	-2.167	-2.167	0	%100
8	MP1B	Z	-1.251	-1.251	0	%100
9	MP2B	X	-2.167	-2.167	0	%100
10	MP2B	Z	-1.251	-1.251	0	%100
11	MP3B	X	-2.402	-2.402	0	%100
12	MP3B	Z	-1.387	-1.387	0	%100
13	MP4B	X	-2.167	-2.167	0	%100
14	MP4B	Z	-1.251	-1.251	0	%100
15	M14	X	-.624	-.624	0	%100
16	M14	Z	-.36	-.36	0	%100
17	M15	X	-2.013	-2.013	0	%100
18	M15	Z	-1.162	-1.162	0	%100
19	M16	X	-2.021	-2.021	0	%100
20	M16	Z	-1.167	-1.167	0	%100
21	MP1A	X	-2.167	-2.167	0	%100
22	MP1A	Z	-1.251	-1.251	0	%100
23	MP2A	X	-2.167	-2.167	0	%100
24	MP2A	Z	-1.251	-1.251	0	%100
25	MP3A	X	-2.402	-2.402	0	%100
26	MP3A	Z	-1.387	-1.387	0	%100
27	MP4A	X	-2.167	-2.167	0	%100
28	MP4A	Z	-1.251	-1.251	0	%100
29	M27	X	-.624	-.624	0	%100
30	M27	Z	-.36	-.36	0	%100
31	M28	X	-2.013	-2.013	0	%100
32	M28	Z	-1.162	-1.162	0	%100
33	M29	X	-2.021	-2.021	0	%100
34	M29	Z	-1.167	-1.167	0	%100
35	MP1C	X	-2.167	-2.167	0	%100
36	MP1C	Z	-1.251	-1.251	0	%100
37	MP2C	X	-2.167	-2.167	0	%100
38	MP2C	Z	-1.251	-1.251	0	%100
39	MP3C	X	-2.402	-2.402	0	%100
40	MP3C	Z	-1.387	-1.387	0	%100
41	MP4C	X	-2.167	-2.167	0	%100
42	MP4C	Z	-1.251	-1.251	0	%100
43	M43	X	-2.163	-2.163	0	%100
44	M43	Z	-1.249	-1.249	0	%100
45	M44	X	-.01	-.01	0	%100
46	M44	Z	-.006	-.006	0	%100
47	M45	X	-2.147	-2.147	0	%100
48	M45	Z	-1.239	-1.239	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	-.36	-.36	0	%100
2	M1	Z	-.624	-.624	0	%100
3	M2	X	-1.162	-1.162	0	%100
4	M2	Z	-2.013	-2.013	0	%100
5	M4	X	-1.167	-1.167	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,%]
6	M4	Z	-2.021	-2.021	0	%100
7	MP1B	X	-1.251	-1.251	0	%100
8	MP1B	Z	-2.167	-2.167	0	%100
9	MP2B	X	-1.251	-1.251	0	%100
10	MP2B	Z	-2.167	-2.167	0	%100
11	MP3B	X	-1.387	-1.387	0	%100
12	MP3B	Z	-2.402	-2.402	0	%100
13	MP4B	X	-1.251	-1.251	0	%100
14	MP4B	Z	-2.167	-2.167	0	%100
15	M14	X	-1.08	-1.08	0	%100
16	M14	Z	-1.871	-1.871	0	%100
17	M15	X	-1.162	-1.162	0	%100
18	M15	Z	-2.013	-2.013	0	%100
19	M16	X	-.389	-.389	0	%100
20	M16	Z	-.674	-.674	0	%100
21	MP1A	X	-1.251	-1.251	0	%100
22	MP1A	Z	-2.167	-2.167	0	%100
23	MP2A	X	-1.251	-1.251	0	%100
24	MP2A	Z	-2.167	-2.167	0	%100
25	MP3A	X	-1.387	-1.387	0	%100
26	MP3A	Z	-2.402	-2.402	0	%100
27	MP4A	X	-1.251	-1.251	0	%100
28	MP4A	Z	-2.167	-2.167	0	%100
29	M27	X	-1.08	-1.08	0	%100
30	M27	Z	-1.871	-1.871	0	%100
31	M28	X	-1.162	-1.162	0	%100
32	M28	Z	-2.013	-2.013	0	%100
33	M29	X	-.389	-.389	0	%100
34	M29	Z	-.674	-.674	0	%100
35	MP1C	X	-1.251	-1.251	0	%100
36	MP1C	Z	-2.167	-2.167	0	%100
37	MP2C	X	-1.251	-1.251	0	%100
38	MP2C	Z	-2.167	-2.167	0	%100
39	MP3C	X	-1.387	-1.387	0	%100
40	MP3C	Z	-2.402	-2.402	0	%100
41	MP4C	X	-1.251	-1.251	0	%100
42	MP4C	Z	-2.167	-2.167	0	%100
43	M43	X	-.981	-.981	0	%100
44	M43	Z	-1.698	-1.698	0	%100
45	M44	X	-.243	-.243	0	%100
46	M44	Z	-.421	-.421	0	%100
47	M45	X	-1.036	-1.036	0	%100
48	M45	Z	-1.794	-1.794	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	-.5	-.5	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	-.683	-.683	0	%100
7	MP1B	X	0	0	0	%100
8	MP1B	Z	-.464	-.464	0	%100
9	MP2B	X	0	0	0	%100
10	MP2B	Z	-.464	-.464	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,%]
11	MP3B	X	0	0	0	%100
12	MP3B	Z	-.561	-.561	0	%100
13	MP4B	X	0	0	0	%100
14	MP4B	Z	-.464	-.464	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	-.64	-.64	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	-.5	-.5	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	-.464	-.464	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-.464	-.464	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	-.561	-.561	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	-.464	-.464	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.64	-.64	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.5	-.5	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	-.464	-.464	0	%100
37	MP2C	X	0	0	0	%100
38	MP2C	Z	-.464	-.464	0	%100
39	MP3C	X	0	0	0	%100
40	MP3C	Z	-.561	-.561	0	%100
41	MP4C	X	0	0	0	%100
42	MP4C	Z	-.464	-.464	0	%100
43	M43	X	0	0	0	%100
44	M43	Z	-.132	-.132	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	-.32	-.32	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-.156	-.156	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	.08	.08	0	%100
2	M1	Z	-.138	-.138	0	%100
3	M2	X	.25	.25	0	%100
4	M2	Z	-.433	-.433	0	%100
5	M4	X	.256	.256	0	%100
6	M4	Z	-.444	-.444	0	%100
7	MP1B	X	.232	.232	0	%100
8	MP1B	Z	-.402	-.402	0	%100
9	MP2B	X	.232	.232	0	%100
10	MP2B	Z	-.402	-.402	0	%100
11	MP3B	X	.281	.281	0	%100
12	MP3B	Z	-.486	-.486	0	%100
13	MP4B	X	.232	.232	0	%100
14	MP4B	Z	-.402	-.402	0	%100
15	M14	X	.24	.24	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,%]
16	M14	Z	-.415	-.415	0	%100
17	M15	X	.25	.25	0	%100
18	M15	Z	-.433	-.433	0	%100
19	M16	X	.085	.085	0	%100
20	M16	Z	-.148	-.148	0	%100
21	MP1A	X	.232	.232	0	%100
22	MP1A	Z	-.402	-.402	0	%100
23	MP2A	X	.232	.232	0	%100
24	MP2A	Z	-.402	-.402	0	%100
25	MP3A	X	.281	.281	0	%100
26	MP3A	Z	-.486	-.486	0	%100
27	MP4A	X	.232	.232	0	%100
28	MP4A	Z	-.402	-.402	0	%100
29	M27	X	.24	.24	0	%100
30	M27	Z	-.415	-.415	0	%100
31	M28	X	.25	.25	0	%100
32	M28	Z	-.433	-.433	0	%100
33	M29	X	.085	.085	0	%100
34	M29	Z	-.148	-.148	0	%100
35	MP1C	X	.232	.232	0	%100
36	MP1C	Z	-.402	-.402	0	%100
37	MP2C	X	.232	.232	0	%100
38	MP2C	Z	-.402	-.402	0	%100
39	MP3C	X	.281	.281	0	%100
40	MP3C	Z	-.486	-.486	0	%100
41	MP4C	X	.232	.232	0	%100
42	MP4C	Z	-.402	-.402	0	%100
43	M43	X	.000373	.000373	0	%100
44	M43	Z	-.000646	-.000646	0	%100
45	M44	X	.231	.231	0	%100
46	M44	Z	-.4	-.4	0	%100
47	M45	X	.002	.002	0	%100
48	M45	Z	-.004	-.004	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	.415	.415	0	%100
2	M1	Z	-.24	-.24	0	%100
3	M2	X	.433	.433	0	%100
4	M2	Z	-.25	-.25	0	%100
5	M4	X	.148	.148	0	%100
6	M4	Z	-.085	-.085	0	%100
7	MP1B	X	.402	.402	0	%100
8	MP1B	Z	-.232	-.232	0	%100
9	MP2B	X	.402	.402	0	%100
10	MP2B	Z	-.232	-.232	0	%100
11	MP3B	X	.486	.486	0	%100
12	MP3B	Z	-.281	-.281	0	%100
13	MP4B	X	.402	.402	0	%100
14	MP4B	Z	-.232	-.232	0	%100
15	M14	X	.138	.138	0	%100
16	M14	Z	-.08	-.08	0	%100
17	M15	X	.433	.433	0	%100
18	M15	Z	-.25	-.25	0	%100
19	M16	X	.444	.444	0	%100
20	M16	Z	-.256	-.256	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,%]
21	MP1A	X	.402	.402	0	%100
22	MP1A	Z	-.232	-.232	0	%100
23	MP2A	X	.402	.402	0	%100
24	MP2A	Z	-.232	-.232	0	%100
25	MP3A	X	.486	.486	0	%100
26	MP3A	Z	-.281	-.281	0	%100
27	MP4A	X	.402	.402	0	%100
28	MP4A	Z	-.232	-.232	0	%100
29	M27	X	.138	.138	0	%100
30	M27	Z	-.08	-.08	0	%100
31	M28	X	.433	.433	0	%100
32	M28	Z	-.25	-.25	0	%100
33	M29	X	.444	.444	0	%100
34	M29	Z	-.256	-.256	0	%100
35	MP1C	X	.402	.402	0	%100
36	MP1C	Z	-.232	-.232	0	%100
37	MP2C	X	.402	.402	0	%100
38	MP2C	Z	-.232	-.232	0	%100
39	MP3C	X	.486	.486	0	%100
40	MP3C	Z	-.281	-.281	0	%100
41	MP4C	X	.402	.402	0	%100
42	MP4C	Z	-.232	-.232	0	%100
43	M43	X	.087	.087	0	%100
44	M43	Z	-.05	-.05	0	%100
45	M44	X	.324	.324	0	%100
46	M44	Z	-.187	-.187	0	%100
47	M45	X	.069	.069	0	%100
48	M45	Z	-.04	-.04	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	.64	.64	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.5	.5	0	%100
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	MP1B	X	.464	.464	0	%100
8	MP1B	Z	0	0	0	%100
9	MP2B	X	.464	.464	0	%100
10	MP2B	Z	0	0	0	%100
11	MP3B	X	.561	.561	0	%100
12	MP3B	Z	0	0	0	%100
13	MP4B	X	.464	.464	0	%100
14	MP4B	Z	0	0	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	.5	.5	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	.683	.683	0	%100
20	M16	Z	0	0	0	%100
21	MP1A	X	.464	.464	0	%100
22	MP1A	Z	0	0	0	%100
23	MP2A	X	.464	.464	0	%100
24	MP2A	Z	0	0	0	%100
25	MP3A	X	.561	.561	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,%]
26	MP3A	Z	0	0	0	%100
27	MP4A	X	.464	.464	0	%100
28	MP4A	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	.5	.5	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	.683	.683	0	%100
34	M29	Z	0	0	0	%100
35	MP1C	X	.464	.464	0	%100
36	MP1C	Z	0	0	0	%100
37	MP2C	X	.464	.464	0	%100
38	MP2C	Z	0	0	0	%100
39	MP3C	X	.561	.561	0	%100
40	MP3C	Z	0	0	0	%100
41	MP4C	X	.464	.464	0	%100
42	MP4C	Z	0	0	0	%100
43	M43	X	.331	.331	0	%100
44	M43	Z	0	0	0	%100
45	M44	X	.144	.144	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	.307	.307	0	%100
48	M45	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	.415	.415	0	%100
2	M1	Z	.24	.24	0	%100
3	M2	X	.433	.433	0	%100
4	M2	Z	.25	.25	0	%100
5	M4	X	.148	.148	0	%100
6	M4	Z	.085	.085	0	%100
7	MP1B	X	.402	.402	0	%100
8	MP1B	Z	.232	.232	0	%100
9	MP2B	X	.402	.402	0	%100
10	MP2B	Z	.232	.232	0	%100
11	MP3B	X	.486	.486	0	%100
12	MP3B	Z	.281	.281	0	%100
13	MP4B	X	.402	.402	0	%100
14	MP4B	Z	.232	.232	0	%100
15	M14	X	.138	.138	0	%100
16	M14	Z	.08	.08	0	%100
17	M15	X	.433	.433	0	%100
18	M15	Z	.25	.25	0	%100
19	M16	X	.444	.444	0	%100
20	M16	Z	.256	.256	0	%100
21	MP1A	X	.402	.402	0	%100
22	MP1A	Z	.232	.232	0	%100
23	MP2A	X	.402	.402	0	%100
24	MP2A	Z	.232	.232	0	%100
25	MP3A	X	.486	.486	0	%100
26	MP3A	Z	.281	.281	0	%100
27	MP4A	X	.402	.402	0	%100
28	MP4A	Z	.232	.232	0	%100
29	M27	X	.138	.138	0	%100
30	M27	Z	.08	.08	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,%]
31	M28	X	.433	.433	0	%100
32	M28	Z	.25	.25	0	%100
33	M29	X	.444	.444	0	%100
34	M29	Z	.256	.256	0	%100
35	MP1C	X	.402	.402	0	%100
36	MP1C	Z	.232	.232	0	%100
37	MP2C	X	.402	.402	0	%100
38	MP2C	Z	.232	.232	0	%100
39	MP3C	X	.486	.486	0	%100
40	MP3C	Z	.281	.281	0	%100
41	MP4C	X	.402	.402	0	%100
42	MP4C	Z	.232	.232	0	%100
43	M43	X	.401	.401	0	%100
44	M43	Z	.231	.231	0	%100
45	M44	X	.002	.002	0	%100
46	M44	Z	.001	.001	0	%100
47	M45	X	.398	.398	0	%100
48	M45	Z	.23	.23	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	.08	.08	0	%100
2	M1	Z	.138	.138	0	%100
3	M2	X	.25	.25	0	%100
4	M2	Z	.433	.433	0	%100
5	M4	X	.256	.256	0	%100
6	M4	Z	.444	.444	0	%100
7	MP1B	X	.232	.232	0	%100
8	MP1B	Z	.402	.402	0	%100
9	MP2B	X	.232	.232	0	%100
10	MP2B	Z	.402	.402	0	%100
11	MP3B	X	.281	.281	0	%100
12	MP3B	Z	.486	.486	0	%100
13	MP4B	X	.232	.232	0	%100
14	MP4B	Z	.402	.402	0	%100
15	M14	X	.24	.24	0	%100
16	M14	Z	.415	.415	0	%100
17	M15	X	.25	.25	0	%100
18	M15	Z	.433	.433	0	%100
19	M16	X	.085	.085	0	%100
20	M16	Z	.148	.148	0	%100
21	MP1A	X	.232	.232	0	%100
22	MP1A	Z	.402	.402	0	%100
23	MP2A	X	.232	.232	0	%100
24	MP2A	Z	.402	.402	0	%100
25	MP3A	X	.281	.281	0	%100
26	MP3A	Z	.486	.486	0	%100
27	MP4A	X	.232	.232	0	%100
28	MP4A	Z	.402	.402	0	%100
29	M27	X	.24	.24	0	%100
30	M27	Z	.415	.415	0	%100
31	M28	X	.25	.25	0	%100
32	M28	Z	.433	.433	0	%100
33	M29	X	.085	.085	0	%100
34	M29	Z	.148	.148	0	%100
35	MP1C	X	.232	.232	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,%]
36	MP1C	Z	.402	.402	0	%100
37	MP2C	X	.232	.232	0	%100
38	MP2C	Z	.402	.402	0	%100
39	MP3C	X	.281	.281	0	%100
40	MP3C	Z	.486	.486	0	%100
41	MP4C	X	.232	.232	0	%100
42	MP4C	Z	.402	.402	0	%100
43	M43	X	.182	.182	0	%100
44	M43	Z	.315	.315	0	%100
45	M44	X	.045	.045	0	%100
46	M44	Z	.078	.078	0	%100
47	M45	X	.192	.192	0	%100
48	M45	Z	.333	.333	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	.5	.5	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	.683	.683	0	%100
7	MP1B	X	0	0	0	%100
8	MP1B	Z	.464	.464	0	%100
9	MP2B	X	0	0	0	%100
10	MP2B	Z	.464	.464	0	%100
11	MP3B	X	0	0	0	%100
12	MP3B	Z	.561	.561	0	%100
13	MP4B	X	0	0	0	%100
14	MP4B	Z	.464	.464	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	.64	.64	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	.5	.5	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	.464	.464	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	.464	.464	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	.561	.561	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	.464	.464	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.64	.64	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.5	.5	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	.464	.464	0	%100
37	MP2C	X	0	0	0	%100
38	MP2C	Z	.464	.464	0	%100
39	MP3C	X	0	0	0	%100
40	MP3C	Z	.561	.561	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,%]
41	MP4C	X	0	0	0	%100
42	MP4C	Z	.464	.464	0	%100
43	M43	X	0	0	0	%100
44	M43	Z	.132	.132	0	%100
45	M44	X	0	0	0	%100
46	M44	Z	.32	.32	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	.156	.156	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	-.08	-.08	0	%100
2	M1	Z	.138	.138	0	%100
3	M2	X	-.25	-.25	0	%100
4	M2	Z	.433	.433	0	%100
5	M4	X	-.256	-.256	0	%100
6	M4	Z	.444	.444	0	%100
7	MP1B	X	-.232	-.232	0	%100
8	MP1B	Z	.402	.402	0	%100
9	MP2B	X	-.232	-.232	0	%100
10	MP2B	Z	.402	.402	0	%100
11	MP3B	X	-.281	-.281	0	%100
12	MP3B	Z	.486	.486	0	%100
13	MP4B	X	-.232	-.232	0	%100
14	MP4B	Z	.402	.402	0	%100
15	M14	X	-.24	-.24	0	%100
16	M14	Z	.415	.415	0	%100
17	M15	X	-.25	-.25	0	%100
18	M15	Z	.433	.433	0	%100
19	M16	X	-.085	-.085	0	%100
20	M16	Z	.148	.148	0	%100
21	MP1A	X	-.232	-.232	0	%100
22	MP1A	Z	.402	.402	0	%100
23	MP2A	X	-.232	-.232	0	%100
24	MP2A	Z	.402	.402	0	%100
25	MP3A	X	-.281	-.281	0	%100
26	MP3A	Z	.486	.486	0	%100
27	MP4A	X	-.232	-.232	0	%100
28	MP4A	Z	.402	.402	0	%100
29	M27	X	-.24	-.24	0	%100
30	M27	Z	.415	.415	0	%100
31	M28	X	-.25	-.25	0	%100
32	M28	Z	.433	.433	0	%100
33	M29	X	-.085	-.085	0	%100
34	M29	Z	.148	.148	0	%100
35	MP1C	X	-.232	-.232	0	%100
36	MP1C	Z	.402	.402	0	%100
37	MP2C	X	-.232	-.232	0	%100
38	MP2C	Z	.402	.402	0	%100
39	MP3C	X	-.281	-.281	0	%100
40	MP3C	Z	.486	.486	0	%100
41	MP4C	X	-.232	-.232	0	%100
42	MP4C	Z	.402	.402	0	%100
43	M43	X	-.000373	-.000373	0	%100
44	M43	Z	.000646	.000646	0	%100
45	M44	X	-.231	-.231	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,%]
46	M44	Z	.4	.4	0	%100
47	M45	X	-.002	-.002	0	%100
48	M45	Z	.004	.004	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	-.415	-.415	0	%100
2	M1	Z	.24	.24	0	%100
3	M2	X	-.433	-.433	0	%100
4	M2	Z	.25	.25	0	%100
5	M4	X	-.148	-.148	0	%100
6	M4	Z	.085	.085	0	%100
7	MP1B	X	-.402	-.402	0	%100
8	MP1B	Z	.232	.232	0	%100
9	MP2B	X	-.402	-.402	0	%100
10	MP2B	Z	.232	.232	0	%100
11	MP3B	X	-.486	-.486	0	%100
12	MP3B	Z	.281	.281	0	%100
13	MP4B	X	-.402	-.402	0	%100
14	MP4B	Z	.232	.232	0	%100
15	M14	X	-.138	-.138	0	%100
16	M14	Z	.08	.08	0	%100
17	M15	X	-.433	-.433	0	%100
18	M15	Z	.25	.25	0	%100
19	M16	X	-.444	-.444	0	%100
20	M16	Z	.256	.256	0	%100
21	MP1A	X	-.402	-.402	0	%100
22	MP1A	Z	.232	.232	0	%100
23	MP2A	X	-.402	-.402	0	%100
24	MP2A	Z	.232	.232	0	%100
25	MP3A	X	-.486	-.486	0	%100
26	MP3A	Z	.281	.281	0	%100
27	MP4A	X	-.402	-.402	0	%100
28	MP4A	Z	.232	.232	0	%100
29	M27	X	-.138	-.138	0	%100
30	M27	Z	.08	.08	0	%100
31	M28	X	-.433	-.433	0	%100
32	M28	Z	.25	.25	0	%100
33	M29	X	-.444	-.444	0	%100
34	M29	Z	.256	.256	0	%100
35	MP1C	X	-.402	-.402	0	%100
36	MP1C	Z	.232	.232	0	%100
37	MP2C	X	-.402	-.402	0	%100
38	MP2C	Z	.232	.232	0	%100
39	MP3C	X	-.486	-.486	0	%100
40	MP3C	Z	.281	.281	0	%100
41	MP4C	X	-.402	-.402	0	%100
42	MP4C	Z	.232	.232	0	%100
43	M43	X	-.087	-.087	0	%100
44	M43	Z	.05	.05	0	%100
45	M44	X	-.324	-.324	0	%100
46	M44	Z	.187	.187	0	%100
47	M45	X	-.069	-.069	0	%100
48	M45	Z	.04	.04	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	-.64	-.64	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.5	-.5	0	%100
4	M2	Z	0	0	0	%100
5	M4	X	0	0	0	%100
6	M4	Z	0	0	0	%100
7	MP1B	X	-.464	-.464	0	%100
8	MP1B	Z	0	0	0	%100
9	MP2B	X	-.464	-.464	0	%100
10	MP2B	Z	0	0	0	%100
11	MP3B	X	-.561	-.561	0	%100
12	MP3B	Z	0	0	0	%100
13	MP4B	X	-.464	-.464	0	%100
14	MP4B	Z	0	0	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	0	0	0	%100
17	M15	X	-.5	-.5	0	%100
18	M15	Z	0	0	0	%100
19	M16	X	-.683	-.683	0	%100
20	M16	Z	0	0	0	%100
21	MP1A	X	-.464	-.464	0	%100
22	MP1A	Z	0	0	0	%100
23	MP2A	X	-.464	-.464	0	%100
24	MP2A	Z	0	0	0	%100
25	MP3A	X	-.561	-.561	0	%100
26	MP3A	Z	0	0	0	%100
27	MP4A	X	-.464	-.464	0	%100
28	MP4A	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-.5	-.5	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-.683	-.683	0	%100
34	M29	Z	0	0	0	%100
35	MP1C	X	-.464	-.464	0	%100
36	MP1C	Z	0	0	0	%100
37	MP2C	X	-.464	-.464	0	%100
38	MP2C	Z	0	0	0	%100
39	MP3C	X	-.561	-.561	0	%100
40	MP3C	Z	0	0	0	%100
41	MP4C	X	-.464	-.464	0	%100
42	MP4C	Z	0	0	0	%100
43	M43	X	-.331	-.331	0	%100
44	M43	Z	0	0	0	%100
45	M44	X	-.144	-.144	0	%100
46	M44	Z	0	0	0	%100
47	M45	X	-.307	-.307	0	%100
48	M45	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	-.415	-.415	0	%100
2	M1	Z	-.24	-.24	0	%100
3	M2	X	-.433	-.433	0	%100
4	M2	Z	-.25	-.25	0	%100
5	M4	X	-.148	-.148	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,%]
6	M4	Z	-.085	-.085	0	%100
7	MP1B	X	-.402	-.402	0	%100
8	MP1B	Z	-.232	-.232	0	%100
9	MP2B	X	-.402	-.402	0	%100
10	MP2B	Z	-.232	-.232	0	%100
11	MP3B	X	-.486	-.486	0	%100
12	MP3B	Z	-.281	-.281	0	%100
13	MP4B	X	-.402	-.402	0	%100
14	MP4B	Z	-.232	-.232	0	%100
15	M14	X	-.138	-.138	0	%100
16	M14	Z	-.08	-.08	0	%100
17	M15	X	-.433	-.433	0	%100
18	M15	Z	-.25	-.25	0	%100
19	M16	X	-.444	-.444	0	%100
20	M16	Z	-.256	-.256	0	%100
21	MP1A	X	-.402	-.402	0	%100
22	MP1A	Z	-.232	-.232	0	%100
23	MP2A	X	-.402	-.402	0	%100
24	MP2A	Z	-.232	-.232	0	%100
25	MP3A	X	-.486	-.486	0	%100
26	MP3A	Z	-.281	-.281	0	%100
27	MP4A	X	-.402	-.402	0	%100
28	MP4A	Z	-.232	-.232	0	%100
29	M27	X	-.138	-.138	0	%100
30	M27	Z	-.08	-.08	0	%100
31	M28	X	-.433	-.433	0	%100
32	M28	Z	-.25	-.25	0	%100
33	M29	X	-.444	-.444	0	%100
34	M29	Z	-.256	-.256	0	%100
35	MP1C	X	-.402	-.402	0	%100
36	MP1C	Z	-.232	-.232	0	%100
37	MP2C	X	-.402	-.402	0	%100
38	MP2C	Z	-.232	-.232	0	%100
39	MP3C	X	-.486	-.486	0	%100
40	MP3C	Z	-.281	-.281	0	%100
41	MP4C	X	-.402	-.402	0	%100
42	MP4C	Z	-.232	-.232	0	%100
43	M43	X	-.401	-.401	0	%100
44	M43	Z	-.231	-.231	0	%100
45	M44	X	-.002	-.002	0	%100
46	M44	Z	-.001	-.001	0	%100
47	M45	X	-.398	-.398	0	%100
48	M45	Z	-.23	-.23	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	-.08	-.08	0	%100
2	M1	Z	-.138	-.138	0	%100
3	M2	X	-.25	-.25	0	%100
4	M2	Z	-.433	-.433	0	%100
5	M4	X	-.256	-.256	0	%100
6	M4	Z	-.444	-.444	0	%100
7	MP1B	X	-.232	-.232	0	%100
8	MP1B	Z	-.402	-.402	0	%100
9	MP2B	X	-.232	-.232	0	%100
10	MP2B	Z	-.402	-.402	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	MP3B	X	-.281	-.281	0	%100
12	MP3B	Z	-.486	-.486	0	%100
13	MP4B	X	-.232	-.232	0	%100
14	MP4B	Z	-.402	-.402	0	%100
15	M14	X	-.24	-.24	0	%100
16	M14	Z	-.415	-.415	0	%100
17	M15	X	-.25	-.25	0	%100
18	M15	Z	-.433	-.433	0	%100
19	M16	X	-.085	-.085	0	%100
20	M16	Z	-.148	-.148	0	%100
21	MP1A	X	-.232	-.232	0	%100
22	MP1A	Z	-.402	-.402	0	%100
23	MP2A	X	-.232	-.232	0	%100
24	MP2A	Z	-.402	-.402	0	%100
25	MP3A	X	-.281	-.281	0	%100
26	MP3A	Z	-.486	-.486	0	%100
27	MP4A	X	-.232	-.232	0	%100
28	MP4A	Z	-.402	-.402	0	%100
29	M27	X	-.24	-.24	0	%100
30	M27	Z	-.415	-.415	0	%100
31	M28	X	-.25	-.25	0	%100
32	M28	Z	-.433	-.433	0	%100
33	M29	X	-.085	-.085	0	%100
34	M29	Z	-.148	-.148	0	%100
35	MP1C	X	-.232	-.232	0	%100
36	MP1C	Z	-.402	-.402	0	%100
37	MP2C	X	-.232	-.232	0	%100
38	MP2C	Z	-.402	-.402	0	%100
39	MP3C	X	-.281	-.281	0	%100
40	MP3C	Z	-.486	-.486	0	%100
41	MP4C	X	-.232	-.232	0	%100
42	MP4C	Z	-.402	-.402	0	%100
43	M43	X	-.182	-.182	0	%100
44	M43	Z	-.315	-.315	0	%100
45	M44	X	-.045	-.045	0	%100
46	M44	Z	-.078	-.078	0	%100
47	M45	X	-.192	-.192	0	%100
48	M45	Z	-.333	-.333	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	1414.847	10	1970.096	14	1951.237	1	-2.927	1	7.152	10	5.001	27
2		min	-1414.846	4	875.424	8	-1951.244	7	-9.293	19	-7.165	4	-1.546	50
3	N29	max	1815.154	10	1863.574	17	1329.12	1	2.351	24	6.749	6	8.047	16
4		min	-1815.185	4	871.8	12	-1329.12	7	.519	6	-6.783	12	2.868	10
5	N55A	max	1935.607	10	1967.577	18	1428.235	1	.406	24	7.197	1	-2.772	4
6		min	-1935.599	4	874.251	12	-1428.235	7	-.97	6	-7.224	7	-8.43	22
7	Totals:	max	5165.608	10	5801.246	17	4708.591	1						
8		min	-5165.63	4	2621.478	12	-4708.599	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	.694	0	9	.408	0	y	27	131543...	1395..	16.181	16.181	...	H1-...
2	M2	PIPE_4.0	.000	.75	6	.000	.75		6	92571....	93240	10.631	10.631	...	H1-...
3	M4	PIPE_3.0	.985	6	25	.221	6		7	30165....	65205	5.749	5.749	...	H1-...
4	MP1B	PIPE_2.0	.423	3.833	9	.190	3....		9	14916....	32130	1.872	1.872	...	H1-...
5	MP2B	PIPE_2.0	.164	2.917	1	.021	1....		5	14916....	32130	1.872	1.872	...	H1-...
6	MP3B	PIPE_2.5	.254	3.845	7	.062	4.56		5	27752....	50715	3.596	3.596	...	H1-...
7	MP4B	PIPE_2.0	.312	3.833	7	.122	3....		10	14916....	32130	1.872	1.872	...	H1-...
8	M14	HSS4X4X4	.666	0	6	.221	0	y	24	131543...	1395..	16.181	16.181	...	H1-...
9	M15	PIPE_4.0	.000	.75	3	.000	.75		3	92571....	93240	10.631	10.631	...	H1-...
10	M16	PIPE_3.0	.616	5.75	22	.190	5....		4	30165....	65205	5.749	5.749	...	H1-...
11	MP1A	PIPE_2.0	.381	3.833	6	.167	3....		6	14916....	32130	1.872	1.872	...	H1-...
12	MP2A	PIPE_2.0	.148	2.917	4	.021	1....		2	14916....	32130	1.872	1.872	...	H1-...
13	MP3A	PIPE_2.5	.253	3.845	4	.062	4.56		2	27752....	50715	3.596	3.596	...	H1-...
14	MP4A	PIPE_2.0	.245	3.833	3	.101	3....		1	14916....	32130	1.872	1.872	...	H1-...
15	M27	HSS4X4X4	.682	0	12	.135	.703	z	6	131543...	1395..	16.181	16.181	...	H1-...
16	M28	PIPE_4.0	.000	.75	10	.000	.75		10	92571....	93240	10.631	10.631	1	H1-...
17	M29	PIPE_3.0	.593	6.25	4	.197	6.25		10	30165....	65205	5.749	5.749	...	H1-...
18	MP1C	PIPE_2.0	.419	3.833	12	.176	3....		12	14916....	32130	1.872	1.872	...	H1-...
19	MP2C	PIPE_2.0	.150	2.917	10	.021	3		9	14916....	32130	1.872	1.872	...	H1-...
20	MP3C	PIPE_2.5	.250	3.845	10	.062	4.56		8	27752....	50715	3.596	3.596	...	H1-...
21	MP4C	PIPE_2.0	.302	3.833	4	.121	3....		1	14916....	32130	1.872	1.872	...	H1-...
22	M43	PIPE_2.0	.051	3.568	11	.062	0		11	17450....	32130	1.872	1.872	...	H1-...
23	M44	PIPE_2.0	.049	3.424	2	.129	6....		26	18314....	32130	1.872	1.872	...	H1-...
24	M45	PIPE_2.0	.045	3.282	5	.065	6....		11	19166....	32130	1.872	1.872	...	H1-...

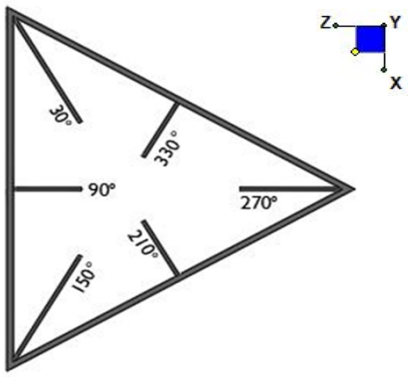
Client:	Verizon Wireless	Date:	5/3/2021
Site Name:	Branford West CT		
Project No.	21777426A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

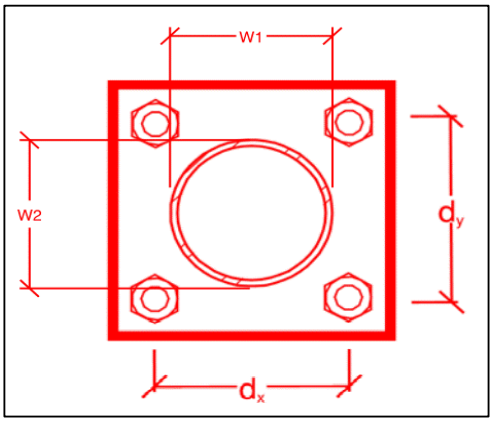
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
n1	90
n29	180
n55a	0



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)* :	5.25
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	5.25
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	43.0
Required Shear Strength (kips):	24.5
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**51.9%***
Shear Capacity Overall:	**49.3%**



**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):	7.75
Plate Height (in):	7.75
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	5
Phi*Rn (kip/in):	6.96
Required Weld Strength (kip/in):	5.29
Plate Bending Capacity:	**45.9%**
Weld Capacity:	**76.0%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	6.0
Phi*Mn_{xx} *(kip-in)* :	35.3
Mu_{yy} *(kip-in)* :	10.2
Phi*Mn_{yy} *(kip-in)* :	35.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the 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 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 replace position 3 mount pipe with a 103” long P2.5 STD mount pipe in all sectors. Contractor shall attach it to face horizontal with a with crossover plate (VZWSMART-MSK2 or EOR approved equivalent) 46.5” from top of mount pipe. Positions read from in front of the mount, position one starting on the right side.

Response:

Schedule A – Photo & Document File Structure

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

Structure: 467164-VZW - BRANFORD WEST CT

Sector: **A**

Structure Type: Self Support

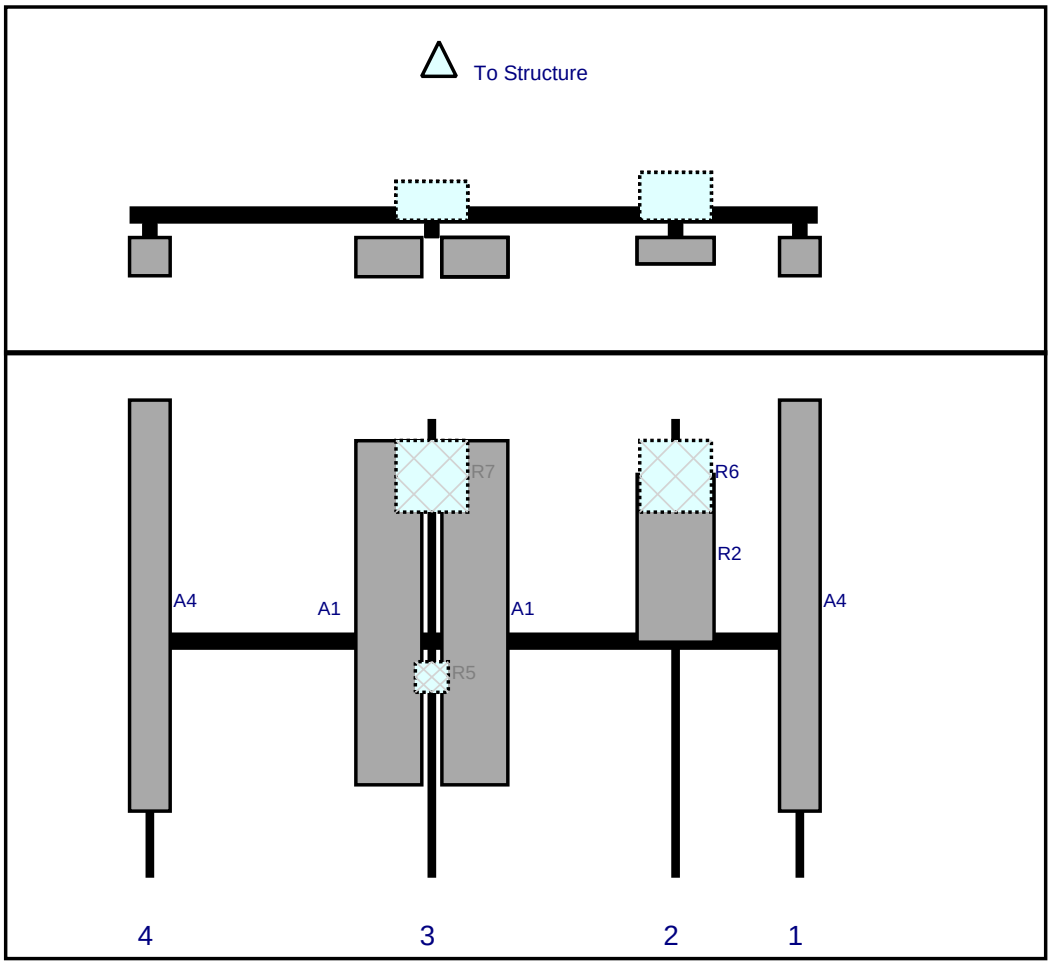
Mount Elev: 101.50

5/3/2021

MASER CONSULTING — CONNECTICUT —

Plan View

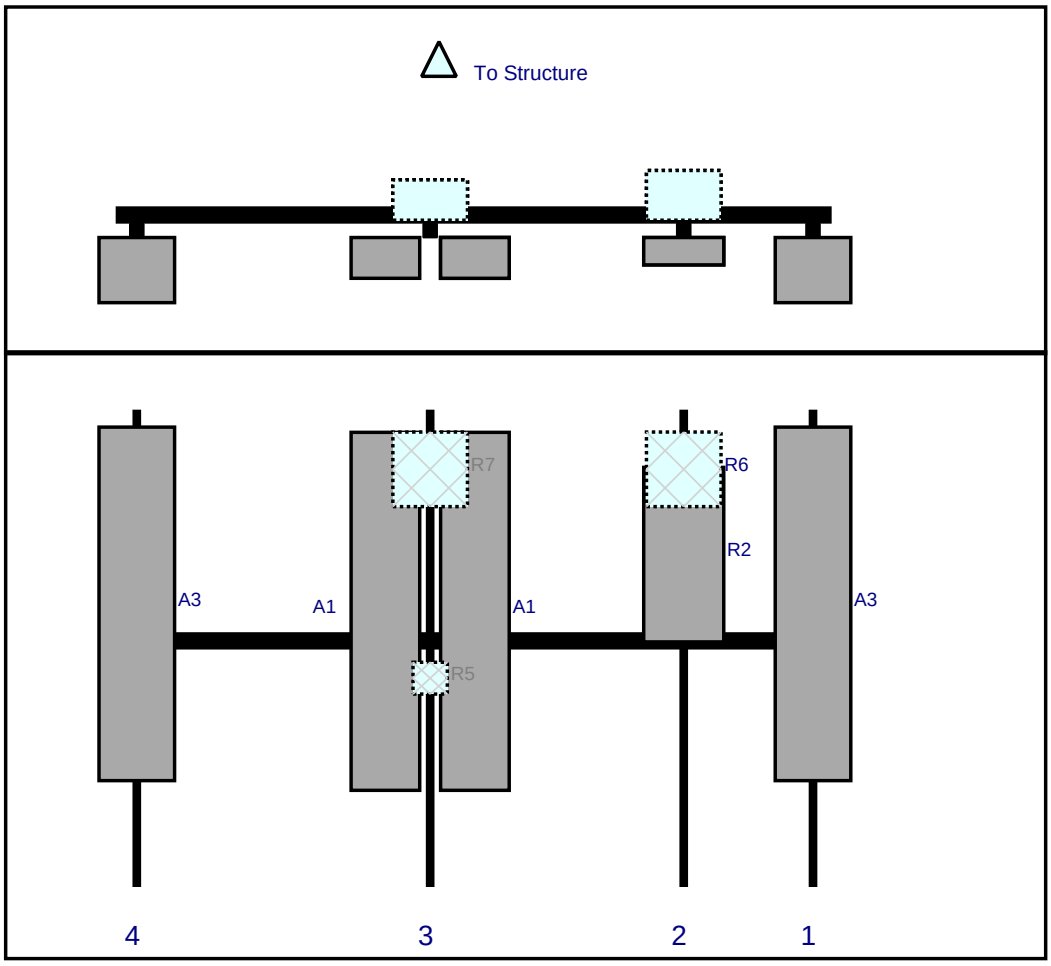
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	SCE6016REV2	86	8.5	140.25	1	a	Front	39.06	0	Retained	03/31/2021
R2	MT6407-77A	35.1	16.1	114.25	2	a	Front	29.16	0	Added	
R6	B2/B66A RRH-BR049	15	15	114.25	2	a	Behind	12	0	Added	
A1	JAHH-65B-R3B	72	13.8	63.25	3	a	Front	40.56	9	Added	
A1	JAHH-65B-R3B	72	13.8	63.25	3	b	Front	40.56	-9	Added	
R5	CBC78T-DS-43-2X	6.4	6.9	63.25	3	a	Behind	54	0	Added	
R7	B5/B13 RRH-BR04C	15	15	63.25	3	a	Behind	12	0	Added	
A4	SCE6016REV2	86	8.5	4.25	4	a	Front	39.06	0	Retained	03/31/2021

Plan View

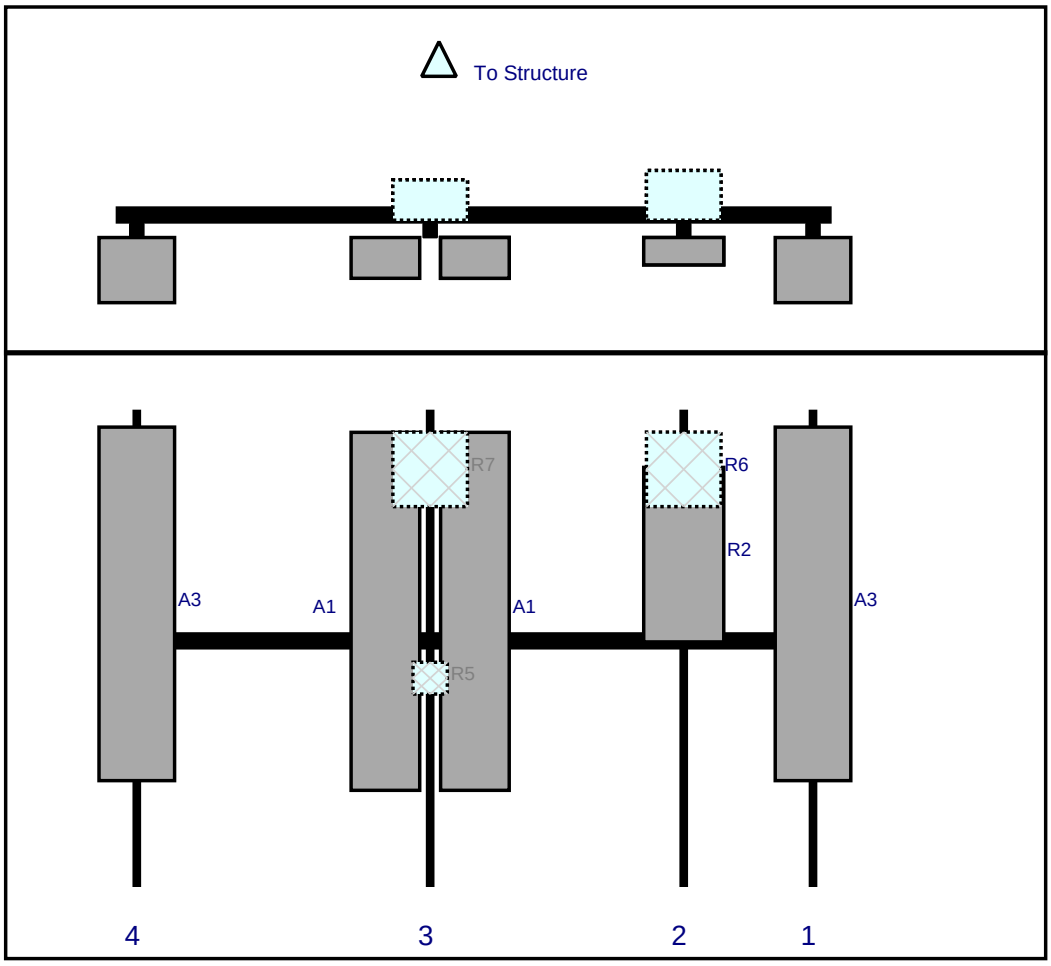
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	LPA-80063-6CF-EDIN-2	71.1	15.2	140.25	1	a	Front	39.06	0	Retained	03/31/2021
R2	MT6407-77A	35.1	16.1	114.25	2	a	Front	29.16	0	Added	
R6	B2/B66A RRH-BR049	15	15	114.25	2	a	Behind	12	0	Added	
A1	JAHH-65B-R3B	72	13.8	63.25	3	a	Front	40.56	9	Added	
A1	JAHH-65B-R3B	72	13.8	63.25	3	b	Front	40.56	-9	Added	
R5	CBC78T-DS-43-2X	6.4	6.9	63.25	3	a	Behind	54	0	Added	
R7	B5/B13 RRH-BR04C	15	15	63.25	3	a	Behind	12	0	Added	
A3	LPA-80063-6CF-EDIN-2	71.1	15.2	4.25	4	a	Front	39.06	0	Retained	03/31/2021

Plan View

Front View
Looking at Structure



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A1	JAHH-65B-R3B	72	13.8	63.25	3	a	Front	40.56	9	Added	
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R7	B5/B13 RRH-BR04C	15	15	63.25	3	a	Behind	12	0	Added	
A3	LPA-80063-6CF-EDIN-2	71.1	15.2	4.25	4	a	Front	39.06	0	Retained	03/31/2021

Maser Consulting Connecticut

MASER CONSULTING
— CONNECTICUT —

Subject		TIA-222-H Usage
Site Information	Site ID:	467164-VZW / BRANFORD WEST CT
	Site Name:	BRANFORD WEST CT
	Carrier Name:	Verizon Wireless
	Address:	123 Pine Orchard rd. Branford, Connecticut 06405 New Haven County
	Latitude:	41.274861°
	Longitude:	-72.793078°
Structure Information	Tower Type:	124.00-Ft Monopole
	Mount Type:	12.00-Ft T-Arm

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,

Justin Linette, PE
Senior Technical Manager

Digitally signed by Justin Linette
Date: 2021.05.04 22:42:41-04'00'

Site Name: ***BRANFORD WEST 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	102	0.0088	0.5007	1.75%
VZW CDMA	877.26	2	489	977	102	0.0034	0.5848	0.58%
VZW Cellular	874	4	725	2902	102	0.0100	0.5827	1.72%
VZW PCS	1975	4	1525	6100	102	0.0211	1.0000	2.11%
VZW AWS	2120	4	1493	5973	102	0.0206	1.0000	2.06%
VZW CBAND	3730.08	4	6531	26125	102	0.0903	1.0000	9.03%
Total Percentage of Maximum Permissible Exposure								17.25%

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

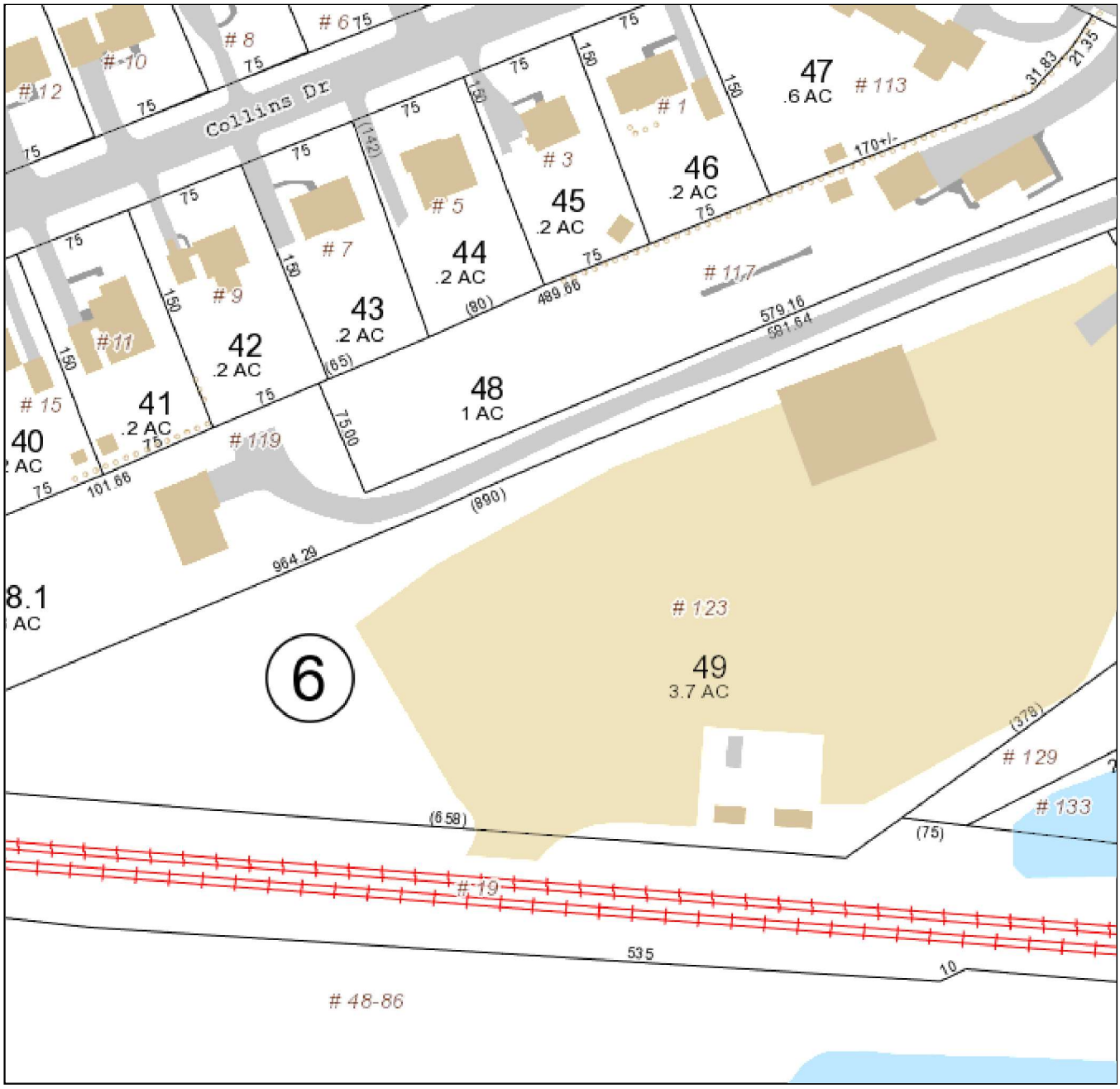
MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power

Absolute worst case maximum values used.

Town of Branford

Geographic Information System (GIS)

Date Printed: 7/20/2021



MAP DISCLAIMER - NOTICE OF LIABILITY

This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The Town of Branford and its mapping contractors assume no legal responsibility for the information contained herein.

0 100 Feet

N W E S

123 PINE ORCHARD RD

Location	123 PINE ORCHARD RD	**Mblu**	F08/000 006/ 00049/ /
Acct#	003607	**Owner**	MALAVASI INVESTMENTS LLC
Assessment	$417,900	**Appraisal**	$596,900
PID	1046	**Building Count**	2

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$249,100	$347,800	$596,900
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$174,400	$243,500	$417,900

Owner of Record

Owner	MALAVASI INVESTMENTS LLC	**Sale Price**	$537,500
Co-Owner		**Certificate**	
Address	35 STONY CREEK RD BRANFORD, CT 06405	**Book & Page**	0802/0624
		Sale Date	02/13/2003
		Instrument	25

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
MALAVASI INVESTMENTS LLC	$537,500		0802/0624	25	02/13/2003
PRIFITERA BARBARA A &	$0		0802/0622	25	02/13/2003
GIORDANO ANTHONY EST OF	$0		0802/0621		02/13/2003
GIORDANO ANTHONY	$0		0695/0932		03/23/2000
GIORDANO ANTHONY + HELEN EST	$0		0425/0520		

Building Information

Building 1 : Section 1

Year Built: 1941

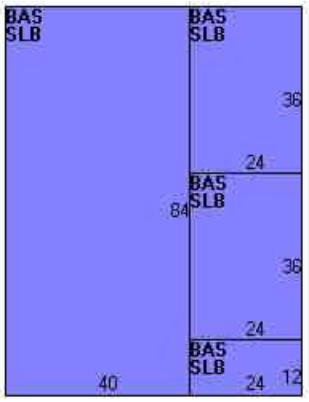
Building Photo

Living Area: 5,376
Replacement Cost: $270,897
Building Percent Good: 55
Replacement Cost Less Depreciation: $149,000

Building Attributes	
Field	**Description**
STYLE	Service Shop
MODEL	Ind/Comm
Grade	C
Stories:	1
Occupancy	1
Exterior Wall 1	Concr/Cinder
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	T&G/Rubber
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Oil
Heating Type	Hot Air-no Duc
AC Type	None
Bldg Use	COMM WHS MDL96
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3160
Heat/AC	NONE
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEILING ONLY
Rooms/Prtns	AVERAGE
Wall Height	15
% Comn Wall	

(http://images.vgsi.com/photos/BranfordCTPhotos//\00\01\40/24.jpg)

Building Layout



(http://images.vgsi.com/photos/BranfordCTPhotos//Sketches/1046_1046.jp

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	5,376	5,376
SLB	Slab	5,376	0
		10,752	5,376

Building 2 : Section 1

Year Built: 1974
Living Area: 500
Replacement Cost: $20,948
Building Percent Good: 70
Replacement Cost Less Depreciation: $14,700

Building Attributes : Bldg 2 of 2

Field	Description
Style	Mobile Home
Model	Residential
Grade:	C -
Stories:	1 Story
Occupancy	1
Exterior Wall 1	Pre-finsh Metl
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Metal/Tin
Interior Wall 1	Plywood Panel
Interior Wall 2	
Interior Flr 1	Carpet
Interior Flr 2	
Heat Fuel	Electric
Heat Type:	Forced Air-Duc
AC Type:	None
Total Bedrooms:	00
Total Bthrms:	0
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Cottage Cmplx	
Cottage Adj	

Building Photo

(http://images.vgsi.com/photos/BranfordCTPhotos//\00\01\40/23.jpg)

Building Layout

(http://images.vgsi.com/photos/BranfordCTPhotos//Sketches/1046_13837.j

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	500	500
CRL	Crawl Space	500	0
		1,000	500

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
MEZ1	MEZZANINE-UNF	379 S.F.	$2,100	1
GEN2	GEN 15-30KW PRMT BKP	1 UNITS	$10,000	1
GEN4	GEN 100+ KW PRMT BKP	1 UNITS	$53,700	2

Land

Land Use

Land Line Valuation

Use Code	3160	**Size (Acres)**	3.76
Description	COMM WHS MDL96	**Frontage**	
Zone	R3	**Depth**	
Neighborhood	0070	**Assessed Value**	$243,500
Alt Land Appr	No	**Appraised Value**	$347,800
Category			

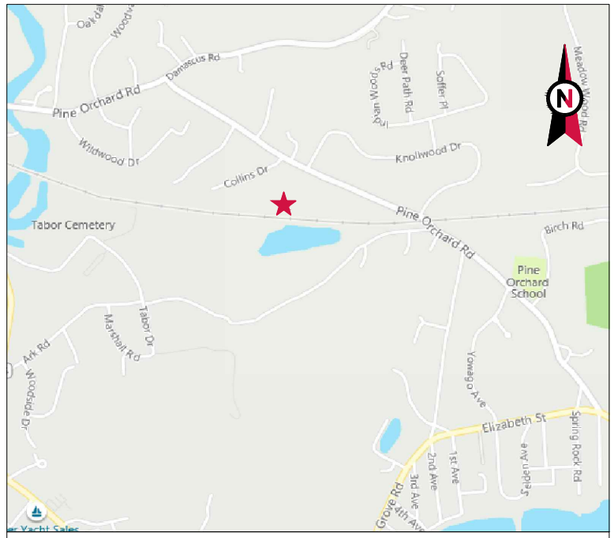
Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
PAV1	PAVING-ASPHALT			1000 S.F.	$500	1
FN4	FENCE-8' CHAIN			272 L.F.	$3,300	2
SHD6	SHED COM MAS			240 S.F.	$5,300	2
SHD6	SHED COM MAS			288 S.F.	$7,300	2
PAV2	PAVING-CONC			959 S.F.	$3,200	2

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$249,100	$347,800	$596,900
2019	$249,100	$347,800	$596,900
2018	$221,100	$341,800	$562,900

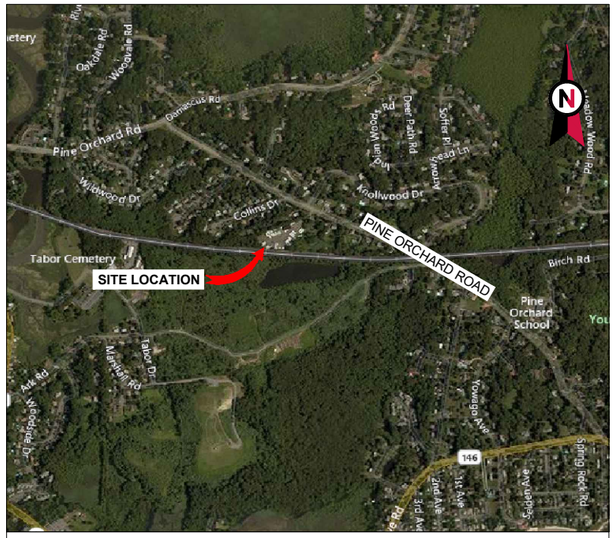
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$174,400	$243,500	$417,900
2019	$174,400	$243,500	$417,900
2018	$154,700	$239,300	$394,000



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: PINE ORCHARD BRANFORD CT
ATC SITE NUMBER: 283419
VERIZON SITE NAME: BRANFORD WEST CT
VERIZON SITE NUMBER:467164
SITE ADDRESS: 123 PINE ORCHARD ROAD
BRANFORD, CT 06405-3939



LOCATION MAP

VERIZON
5G L-SUB6 CARRIER ADD ANTENNA AMENDMENT DRAWINGS

COMPLIANCE CODE

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

1. 2018 CONNECTICUT STATE BUILDING CODE-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: EVERSOURCE
PHONE: (877) 659-6326

TELEPHONE COMPANY: FRONTIER COMMUNICATIONS
PHONE: (800) 376-6843

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

PROJECT SUMMARY

SITE ADDRESS:

123 PINE ORCHARD ROAD

BRANFORD, CT 06405-3939

COUNTY: NEW HAVEN

GEOGRAPHIC COORDINATES:

LATITUDE: 41.274861

LONGITUDE: -72.793078

GROUND ELEVATION: 30' 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:

MALAVASI INVESTMENTS LLC
123 PINE ORCHARD ROAD
BRANFORD - CT - 06405

PROJECT DESCRIPTION

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

REMOVE (3) EXISTING ANTENNA MOUNTS, (6) ANTENNA(s), (6) RRH(s), AND (12) SPARE 1-5/8" COAX CABLES(s)

INSTALL (3) DUAL MOUNTS, (9) ANTENNA(s), (6) RRH(s) AND (3) DIPLEXER(s)

EXISTING (6) ANTENNA(s), (1) OVP(s), (2) 1-5/8" HYBRID CABLE(s), AND (6) 1-5/8" COAX CABLE(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 NEW HAVEN CT START OUT GOING NORTHEAST ON CHURCH ST TOWARD WALL ST. CHURCH ST BECOMES WHITNEY AVE TURN RIGHT ONTO TRUMBULL ST. TURN SLIGHT LEFT TO TAKE THE I-91 S/I-91 N RAMP. MERGE ONTO I-91 S TOWARD I-95/NEW LONDON/N.Y.CITY. MERGE ONTO I-95 N/GOVERNOR JOHN DAVIS LODGE TPKE N VIA THE EXIT ON THE LEFT TOWARD NEW LONDON. TAKE THE CEDAR ST EXIT, EXIT 54, TOWARD BRANFORD. TAKE THE CEDAR ST EXIT, EXIT 54, TOWARD BRANFORD. TURN LEFT ONTO MAIN ST/CT-146. TURN SLIGHT RIGHT ONTO S MAIN ST/CT-146. TURN RIGHT ONTO MONTOWESE ST/CT-146. TAKE THE 3RD LEFT ONTO PINE ORCHARD RD. TAKE THE 3RD RIGHT TO STAY ON PINE ORCHARD RD. SITE IS IN THE PROPERTY OF ACE TRANSPORTATION & STORAGE

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	1	06/28/21	JI
G-002	GENERAL NOTES	1	06/28/21	JI
C-101	DETAILED SITE PLAN	1	06/28/21	JI
C-201	TOWER ELEVATION	1	06/28/21	JI
C-401	ANTENNA INFORMATION & SCHEDULE	1	06/28/21	JI
C-501	CONSTRUCTION DETAILS	1	06/28/21	JI
E-501	GROUNDING DETAILS	1	06/28/21	JI
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	MR	05/27/21
0	FINAL	EMA	06/21/21
1	FINAL	JI	06/28/21

ATC SITE NUMBER:
283419

ATC SITE NAME:
PINE ORCHARD BRANFORD CT

VERIZON SITE NAME:
BRANFORD WEST CT

SITE ADDRESS:
123 PINE ORCHARD ROAD
BRANFORD, CT 06405-3939

verizon

DATE DRAWN:	05/21/21
ATC JOB NO:	13668761_D1
CUSTOMER ID:	BRANFORD WEST CT
CUSTOMER #:	467164

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	1

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.

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	MR	05/27/21
0	FINAL	EMA	06/21/21
1	FINAL	JI	06/28/21

ATC SITE NUMBER:
283419

ATC SITE NAME:
PINE ORCHARD BRANFORD CT

VERIZON SITE NAME:
BRANFORD WEST CT

SITE ADDRESS:
123 PINE ORCHARD ROAD
BRANFORD, CT 06405-3939

verizon

DATE DRAWN:	05/21/21
ATC JOB NO:	13668761_D1
CUSTOMER ID:	BRANFORD WEST CT
CUSTOMER #:	467164

GENERAL NOTES

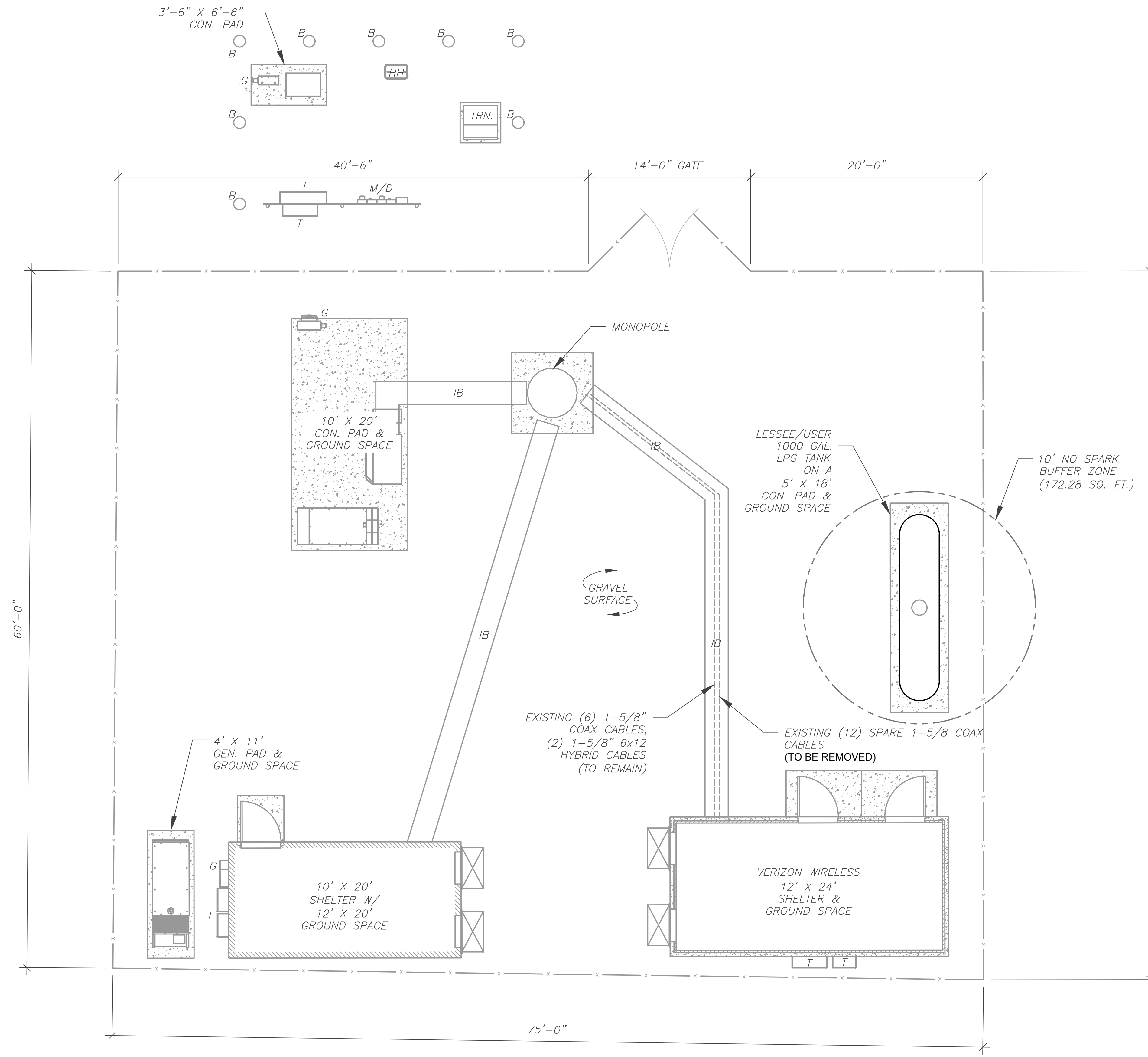
SHEET NUMBER:	REVISION:
G-002	1

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



1 DETAILED SITE PLAN

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 UNIT = 10 FEET

N

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	MR	05/27/21
0	FINAL	EMA	06/21/21
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ATC SITE NUMBER:
283419

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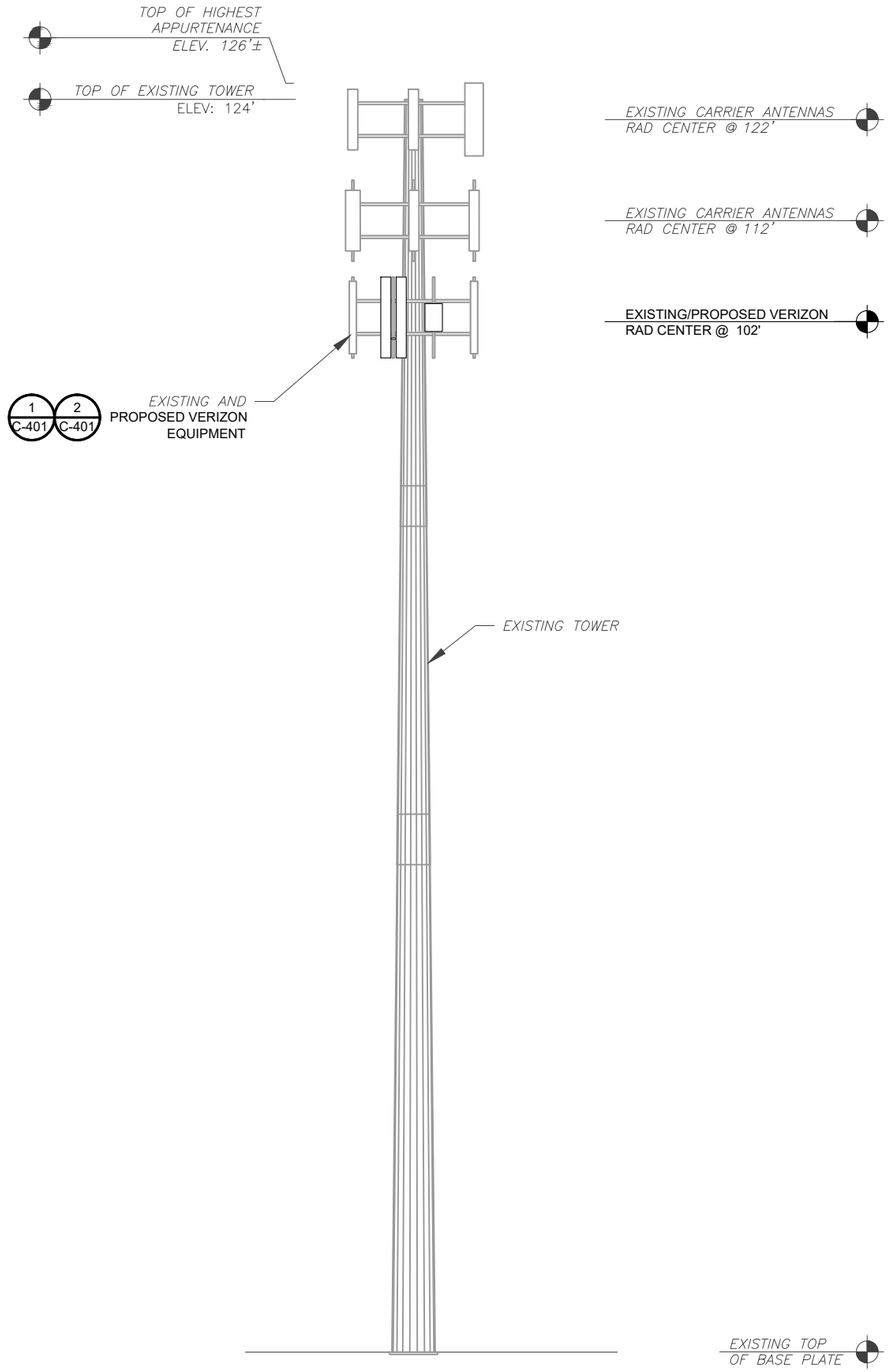
BRANFORD, CT 06405-3939

verizon✓

DATE DRAWN:	05/21/21
ATC JOB NO:	13668761_D1
CUSTOMER ID:	BRANFORD WEST CT
CUSTOMER #:	467164

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	1



1 TOWER ELEVATION
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING, DATED 05/04/21, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.

TOWER NOTE:
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
3. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)

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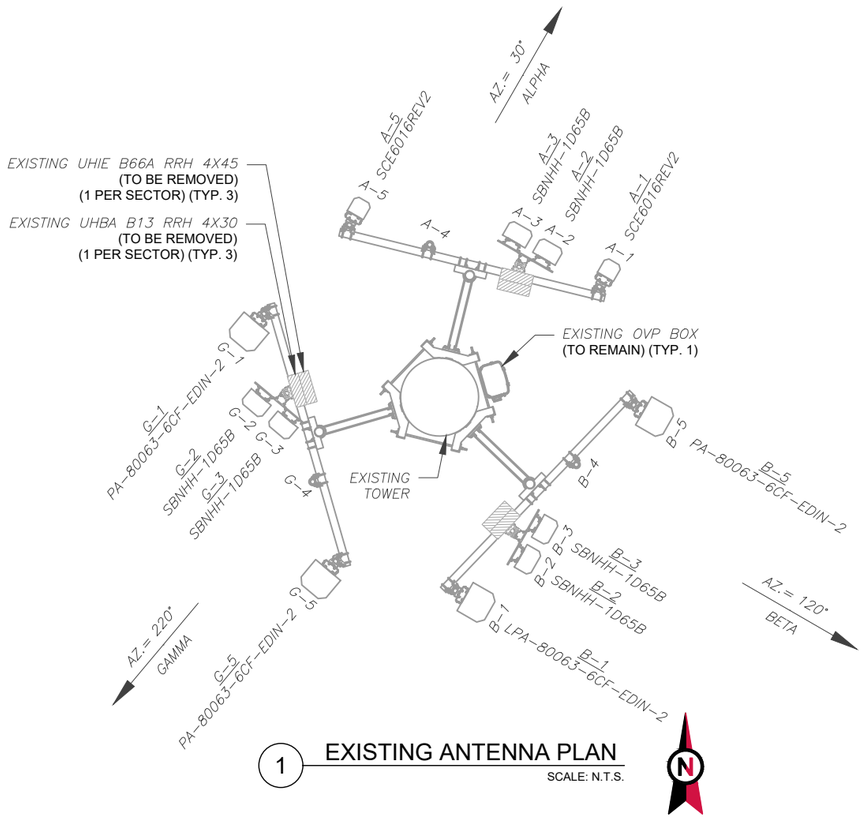
TOWER ELEVATION

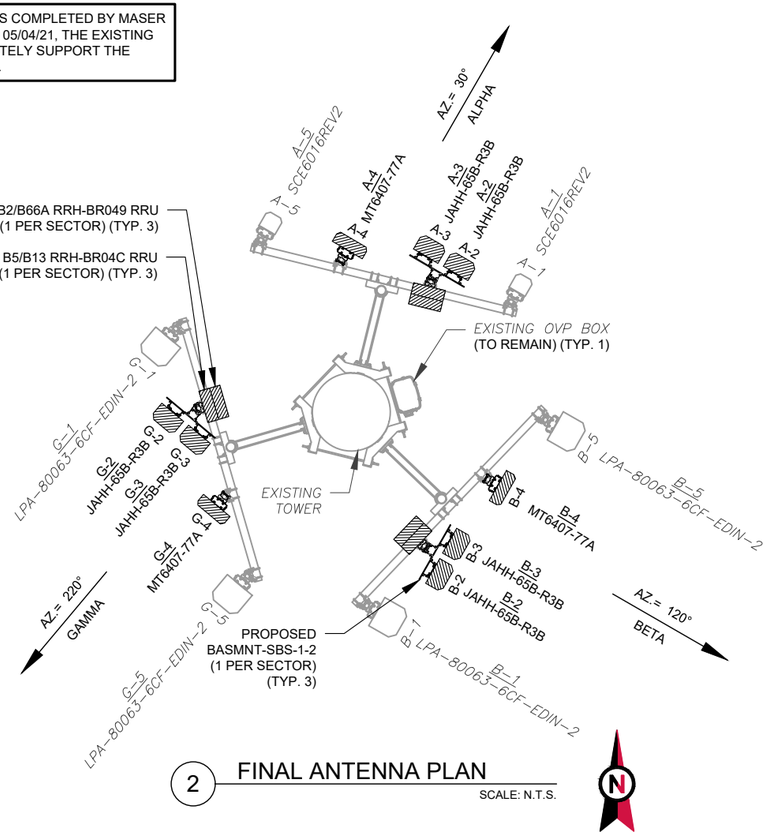
SHEET NUMBER:	REVISION:
C-201	1



1 EXISTING ANTENNA PLAN

SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING, DATED 05/04/21, 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	102'	30°	A1	SCE6016REV2	850	4/0	RMN	–	–
			A2	SBNHH-1D65B	700/AWS	0/2,2	RMV	UHBA B13 RRH 4X30	RMV
			A3	SBNHH-1D65B	700/AWS	0/2,2	RMV	UHIE B66A RRH 4X45	RMV
			A4	–	–	–	–	–	–
			A5	SCE6016REV2	850	4/0	RMN	–	–
BETA	102'	120°	B1	LPA-80063-6CF-EDIN-2	850	2/2	RMN	–	–
			B2	SBNHH-1D65B	700/AWS	0/4,0	RMV	UHBA B13 RRH 4X30	RMV
			B3	SBNHH-1D65B	700/AWS	0/4,0	RMV	UHIE B66A RRH 4X45	RMV
			B4	–	–	–	–	–	–
			B5	LPA-80063-6CF-EDIN-2	850	2/2	RMN	–	–
GAMMA	102'	220°	C1	LPA-80063-6CF-EDIN-2	850	3/2	RMN	–	–
			C2	SBNHH-1D65B	700/AWS	0/3,2	RMV	UHBA B13 RRH 4X30	RMV
			C3	SBNHH-1D65B	700/AWS	0/3,2	RMV	UHIE B66A RRH 4X45	RMV
			C4	–	–	–	–	–	–
			C5	LPA-80063-6CF-EDIN-2	850	3/2	RMN	–	–

NOTES

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

STATUS ABBREVIATIONS

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

CABLE LENGTHS FOR JUMPERS

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

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	102'	30°	A1	SCE6016REV2	850	4/0	RMN	-	-
			A2	JAHH-65B-R3B	700/850/1900/AWS	0/2,2,2,2	ADD	B2/B66A RRH-BR049	ADD
			A3	JAHH-65B-R3B	700/850/1900/AWS	0/2,2,2,2	ADD	B5/B13 RRH-BR04C	ADD
			A4	MT6407-77A	5G	0/6	ADD	-	-
			A5	SCE6016REV2	850	4/0	RMN	-	-
BETA	102'	120°	B1	LPA-80063-6CF-EDIN-2	850	2/2	RMN	-	-
			B2	JAHH-65B-R3B	700/850/1900/AWS	0/4,10,0,0	ADD	B2/B66A RRH-BR049	ADD
			B3	JAHH-65B-R3B	700/850/1900/AWS	0/4,10,0,0	ADD	B5/B13 RRH-BR04C	ADD
			B4	MT6407-77A	5G	0/6	ADD	-	-
			B5	LPA-80063-6CF-EDIN-2	850	2/2	RMN	-	-
GAMMA	102'	220°	C1	LPA-80063-6CF-EDIN-2	850	3/2	RMN	-	-
			C2	JAHH-65B-R3B	700/850/1900/AWS	0/3,10,2,2	ADD	B2/B66A RRH-BR049	ADD
			C3	JAHH-65B-R3B	700/850/1900/AWS	0/3,10,2,2	ADD	B5/B13 RRH-BR04C	ADD
			C4	MT6407-77A	5G	0/6	ADD	-	-
			C5	LPA-80063-6CF-EDIN-2	850	3/2	RMN	-	-

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
RCMDC-6627-PF-48 OVP	RMN	(6) 1-5/8"	(2) 1-5/8" 6X12	RMN
–	–	(12) 1-5/8"	–	RMV

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(1) RCMDC-6627-PF-48 OVP	RMN	(6) 1-5/8"	(2) 1-5/8" 6X12	RMN
(3) CBC78T-DS-43-2X	ADD	-	-	-

3 EQUIPMENT SCHEDULES

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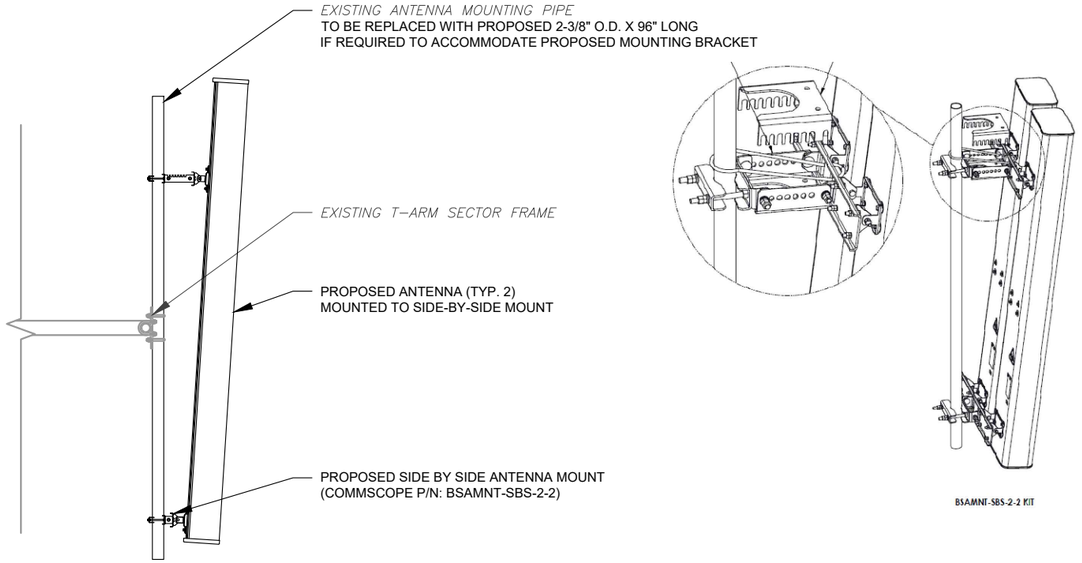
CUSTOMER ID:	BRANFORD WEST CT
CUSTOMER #:	467164

ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:	REVISION:
C-401	1

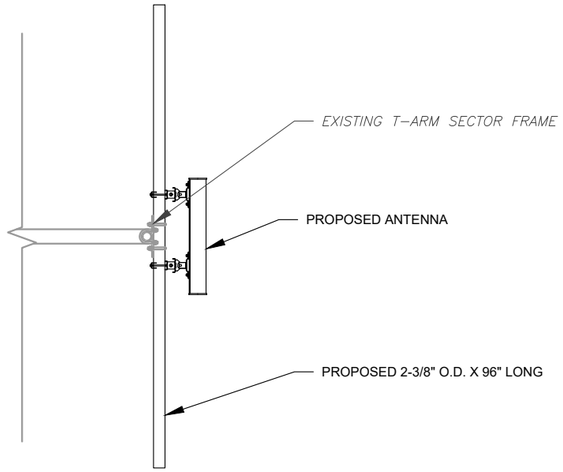


PROFILE VIEW

ISOMETRIC VIEW (BY MANUFACTURER)

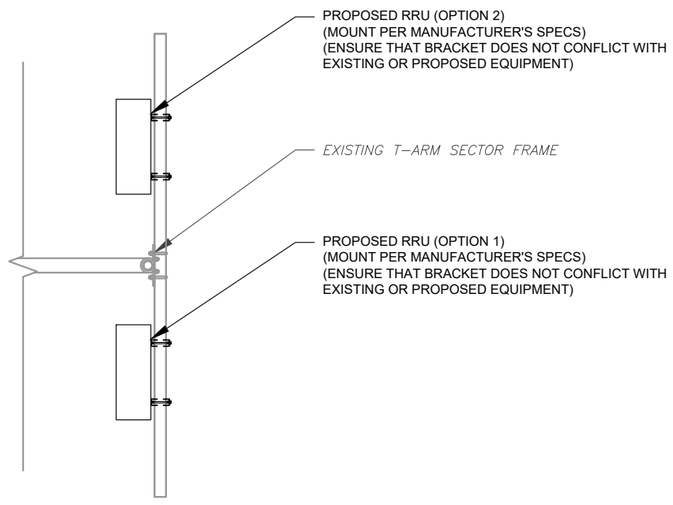
1 PROPOSED SIDE-BY-SIDE MOUNT

SCALE: NOT TO SCALE



2 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.

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BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	MR	05/27/21
0	FINAL	EMA	06/21/21
1	FINAL	JI	06/28/21

ATC SITE NUMBER:
283419

ATC SITE NAME:
PINE ORCHARD BRANFORD CT

VERIZON SITE NAME:
BRANFORD WEST CT

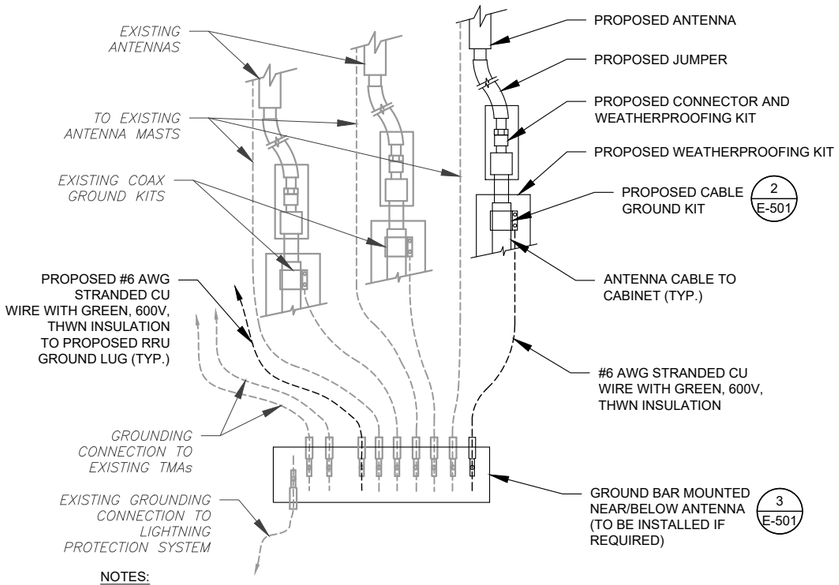
SITE ADDRESS:
123 PINE ORCHARD ROAD
BRANFORD, CT 06405-3939

verizon

DATE DRAWN:	05/21/21
ATC JOB NO:	13668761_D1
CUSTOMER ID:	BRANFORD WEST CT
CUSTOMER #:	467164

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	1

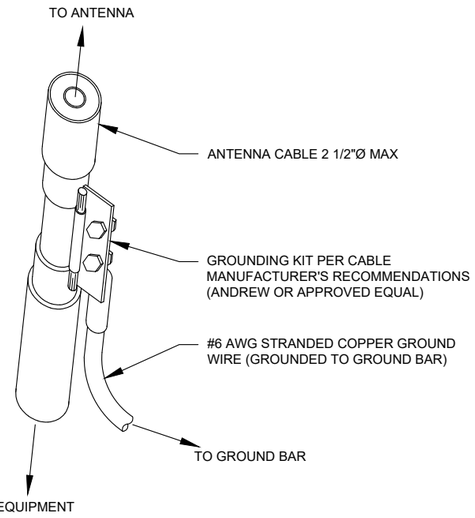


NOTES:

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

1 TYPICAL ANTENNA GROUNDING DIAGRAM

SCALE: N.T.S.

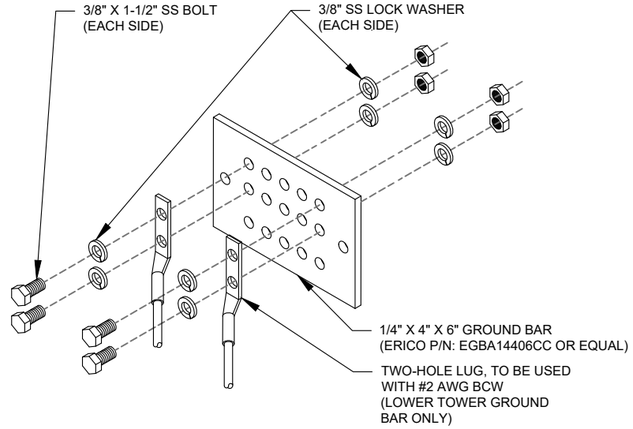


GROUND KIT NOTES:

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

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.



GROUND BAR NOTES:

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

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

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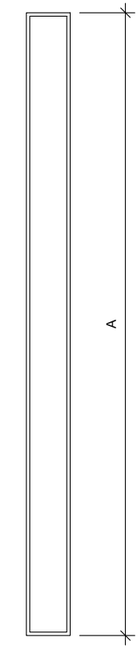
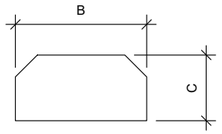
GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	1



FRONT VIEW

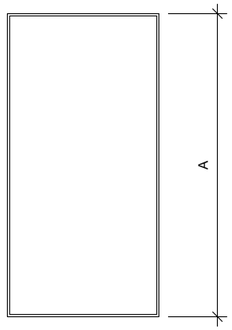


TOP VIEW

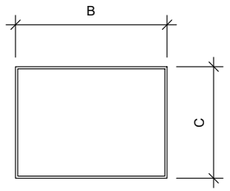
1 ANTENNA SPECIFICATIONS

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
JAHH-65B-R2B	72.0"	13.8"	8.2"	60.6



FRONT VIEW



TOP VIEW

2 RRU SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

RRU SPECIFICATIONS				
RRU 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

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CUSTOMER #:	467164

SUPPLEMENTAL

SHEET NUMBER:
R-601

Maser Consulting
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 #: 10050359
Maser Consulting Project #: 21777426A

May 4, 2021

Site Information

Site ID:	*467164-VZW / BRANFORD WEST CT*
Site Name:	*BRANFORD WEST CT*
Carrier Name:	*Verizon Wireless*
Address:	*123 Pine Orchard rd.* *Branford, Connecticut 06405* *New Haven County*
Latitude:	*41.274861°*
Longitude:	*-72.793078°*

Structure Information

Tower Type:	*124.00-Ft Monopole*
Mount Type:	*12.00-Ft T-Arm*

FUZE ID # 16244631

Analysis Results

T-Arm: **98.5% 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
JUSTIN PETER LINETTE
No. 31965
LICENSED PROFESSIONAL ENGINEER

Digitally signed by Justin Linette
Date: 2021.05.04 22:42:01 -04'00'

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Tieback	*12.9%*	Pass
Antenna Pipe	*42.3%*	Pass
Dual Mount Pipe	*25.4%*	Pass
Horizontal	*98.5%*	Pass
Standoff Pipe	*0.0%*	Pass
Standoff Arm	*69.4%*	Pass
Connection check	76.0%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**98.5%**

The mount has been found structurally adequate for all steel and external connection capacities. Serviceability in accordance with TIA-222-H Section 4.9.11.3 has not been considered

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

1 MOUNT ANALYSIS

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 VERIYIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONTRUCTION.

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SUPPLEMENTAL

SHEET NUMBER:
R-602