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

August 9th, 2021

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

RE: Notice of Exempt Modification // Site: COLCHESTER CT 6 (ATC: 302465)
355 New London Road (aka State Route 85), COLCHESTER, CT 06415
N 41.5448 // W 72.3048

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless currently maintains 6 antennas at the 163-foot mount on the existing 180-foot monopole tower, located at 355 New London Road (aka State Route 85). The tower is owned by American Tower. The property is owned by M & J Auto Recycling Inc. Verizon Wireless facility was approved for colocation by the Council in 2016. Verizon Wireless now intends to install 3 new antennas integrated remote radio heads (RRHs) and 3 diplexers for its 5G (3700 MHz) upgrade. Additionally, Verizon Wireless will reinforce existing side by side mounts; 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 Mary Bylone, First Selectman of the Town of Colchester, its Town Planner, Matthew Bordeaux, including for the Planning & Zoning Department, American Tower, the tower owner, and to the ground owner, M & J Auto Recycling Inc.

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 29, 2021by Telamon CLS, a structural analysis dated May 5, 2021 by A.T. Engineering Service, PLLC, and a structural mount analysis by Maser Consulting Connecticut dated June 11, 2021 and radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

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

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

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

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

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

6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis by Telamon CLS, dated May 5, 2021 and a structural mount analysis by Maser Consulting Connecticut, dated June 11, 2021, pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final construction drawings, signed and stamped dated June 29th 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

_____

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West Bridgewater, MA 02379
Mobile: (978) 568-7906
MUmali@centerlinecommunications.com

Attachments

cc: Mary Bylone- as First Selectman of the Town of Colchester
Matthew Bordeaux, Town Planner - as P&Z official
American Tower Corporation - as tower owner
M & J Auto Recycling Inc - as property owner

UPS CampusShip: View/Print Label

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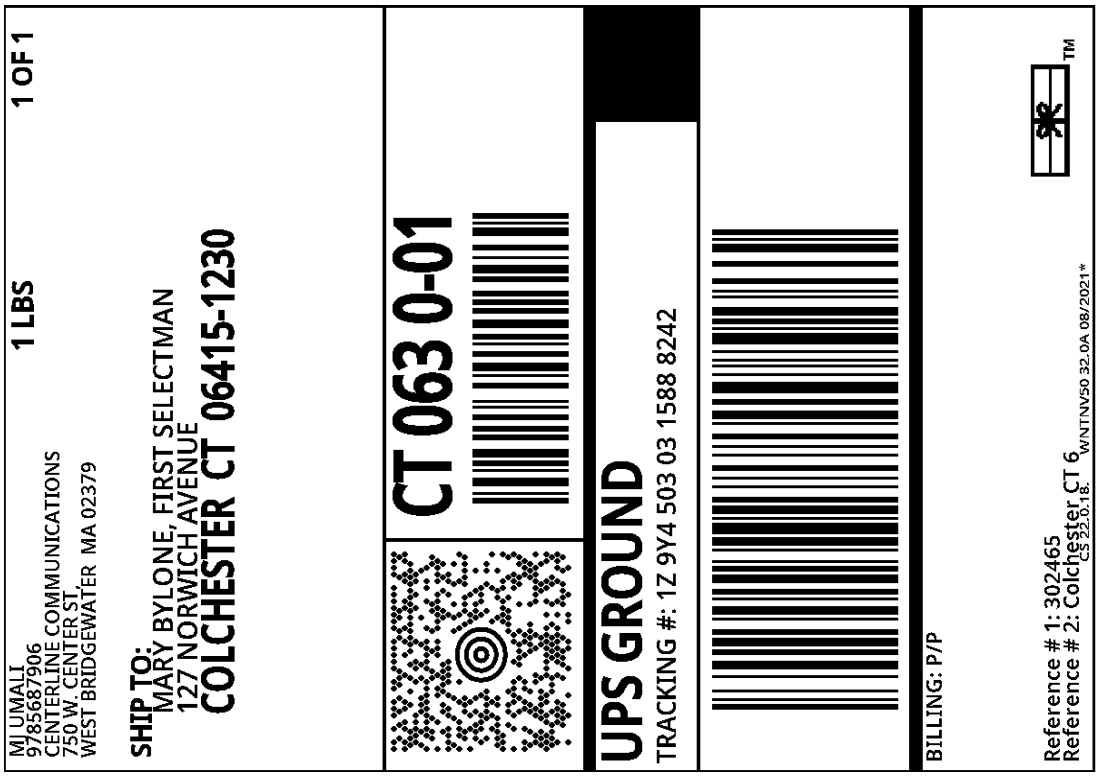

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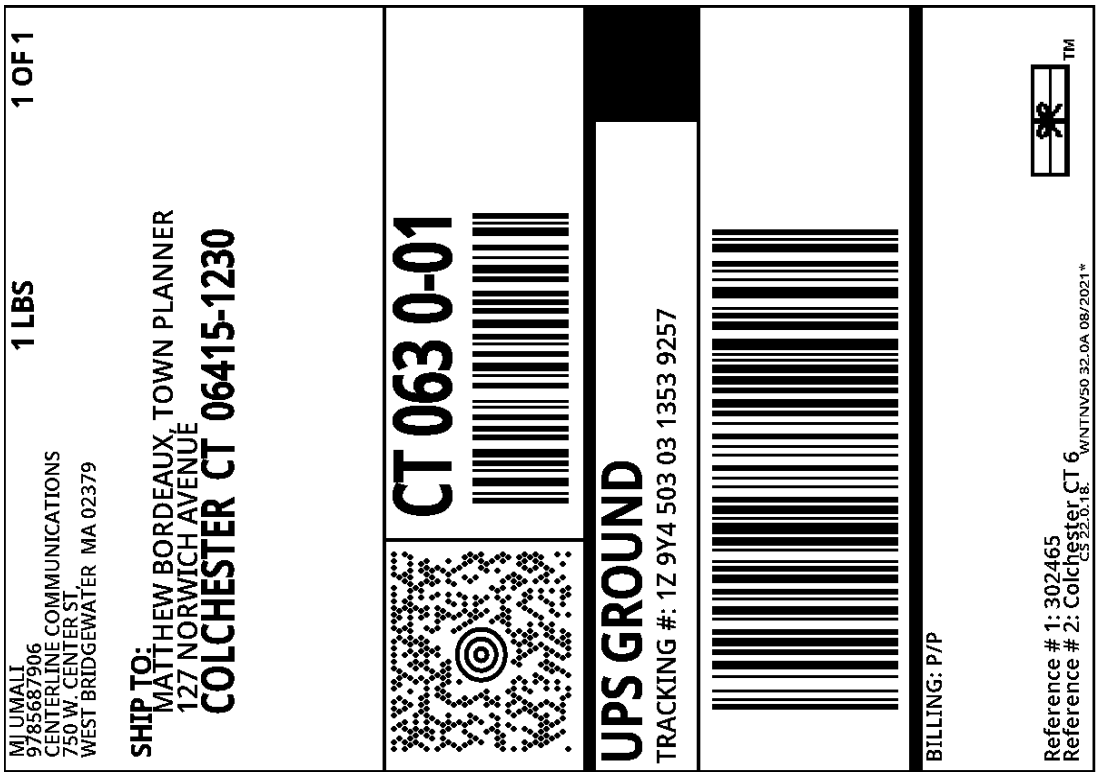

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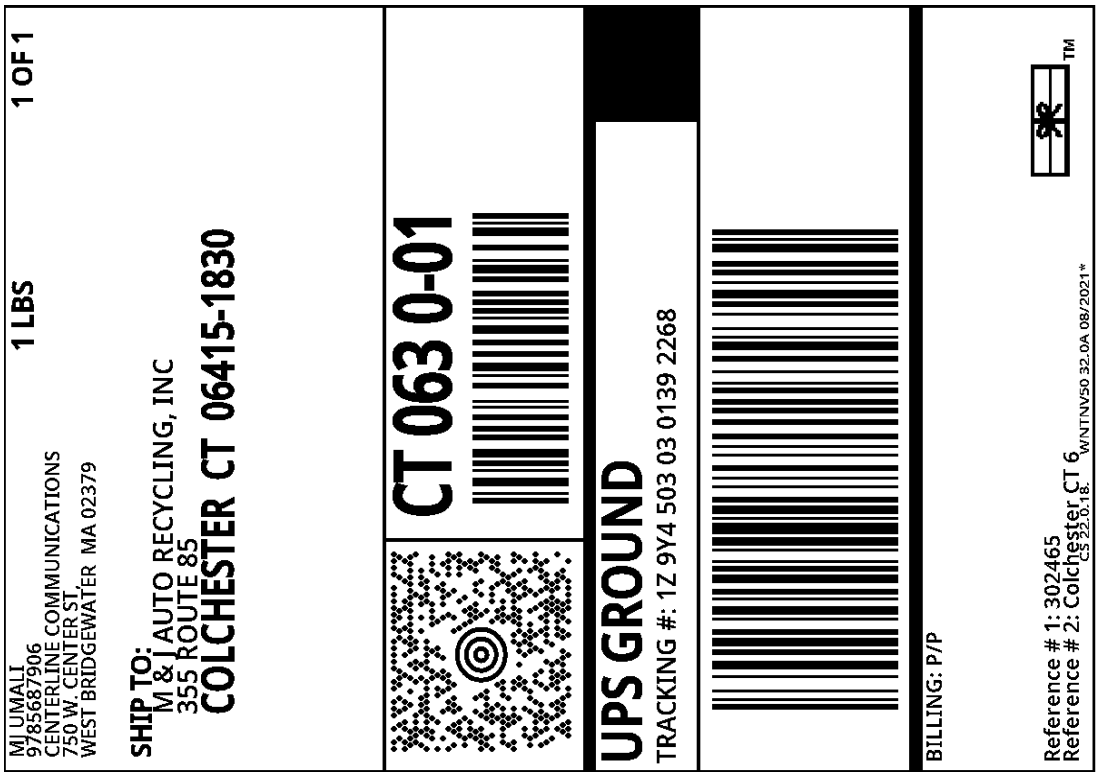

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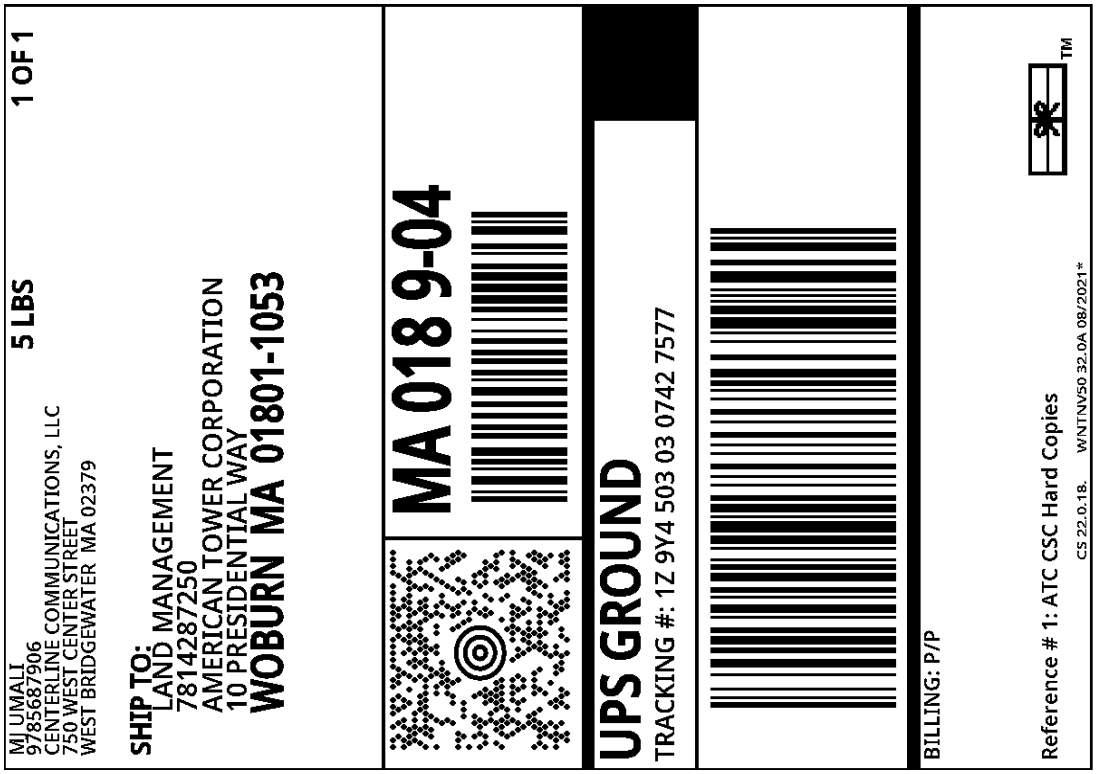

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Structural Analysis Report

Structure	:	**180 ft Monopole**
ATC Site Name	:	**Colchester CT 6, CT**
ATC Asset Number	:	**302465**
Engineering Number	:	**13668833_C3_02**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**COLCHESTER SO II CT**
Carrier Site Number	:	**468035**
Site Location	:	**355 Route 85** **Colchester, CT 06415-1825** **41.544800, -72.304900**
County	:	**New London**
Date	:	**May 5, 2021**
Max Usage	:	**61%**
Result	:	**Pass**

Prepared By:
Isaac P. Dodson
Structural Engineer III

Isaac P. Dodson

Reviewed By:

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

Supporting Documents

Tower Drawings	Valmont order #17494-98, dated June 8, 1998
Foundation Drawing	Valmont drawing #17494-S-01, dated July 10, 1998
Geotechnical Report	Tectonic Engineering Consultants Project #1170.C877, dated June 5, 1998

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:	B
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	Antenna	Mount Type	Lines	Carrier
180.0	3	Alcatel-Lucent 1900 MHz 4X45 RRH	T-Arm	(4) 1 1/4" Hybriflex Cable (6) 1 5/8" Coax	SPRINT NEXTEL
	6	Alcatel-Lucent RRH2x50-08			
	3	Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield			
	3	RFS APXVTM14-ALU-I20			
	3	Commscope NNVV-65B-R4			
172.0	2	Generic 6' Omni	Side Arm	(2) 0.405" Coax	OTHER
163.0	3	Commscope CBC78T-DS-43-2X	Triangular Platform w/ Handrails	(2) 1 5/8" Hybriflex	VERIZON WIRELESS
	3	Samsung B5/B13 RRH-BR04C			
	3	Samsung B2/B66A RRH-BR049			
	2	RFS DB-B1-6C-12AB-0Z			
	6	Commscope JAHH-65B-R3B			
150.0	6	Powerwave Allgon LGP21401	Triangular Platform w/ Handrails	(2) 0.39" Fiber Trunk (2) 0.65" 8 AWG 2C (6) 0.78" 8 AWG 6 (12) 1 1/4" Coax (1) 2" Carflex Non-Metallic Conduit (1) 3" conduit	AT&T MOBILITY
	6	LGP Allgon LGP21903			
	2	Raycap DC6-48-60-18-8F (23.5" Height)			
	2	Kathrein Scala 80010966			
	1	Kathrein Scala 80010965			
	2	CCI HPA65R-BU8A			
	1	CCI HPA65R-BU6A			
	3	Powerwave Allgon 7770.00			
	3	Ericsson Radio 8843 - B2 + B66A			
	3	Ericsson RRUS 4449 B5, B12			
138.0	3	Ericsson RRUS 11 B4	Triangular Platform w/ Handrails	(1) 1 1/4" Hybriflex Cable (1) 1" Hybrid (1) 1 5/8" Fiber	T-MOBILE
	3	Ericsson RRUS 11 B2			
	3	RFS APX16DWV-16DWVS-E-A20			
	3	Ericsson RRUS 11 B12			
	3	Commscope LNX-6515DS-A1M (96.6" Height)			

Equipment to be Removed

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
No loading was considered as removed as part of this analysis.					

Proposed Equipment

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
163.0	3	Samsung MT6407-77A	Triangular Platform w/ Handrails	-	VERIZON WIRELESS

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

Install proposed coax inside the pole shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	57%	Pass
Shaft	61%	Pass
Base Plate	25%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	3,954.5	49%
Axial (Kips)	76.0	55%
Shear (Kips)	33.9	20%

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

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
163.0	Samsung MT6407-77A	VERIZON WIRELESS	1.490	1.091

***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:

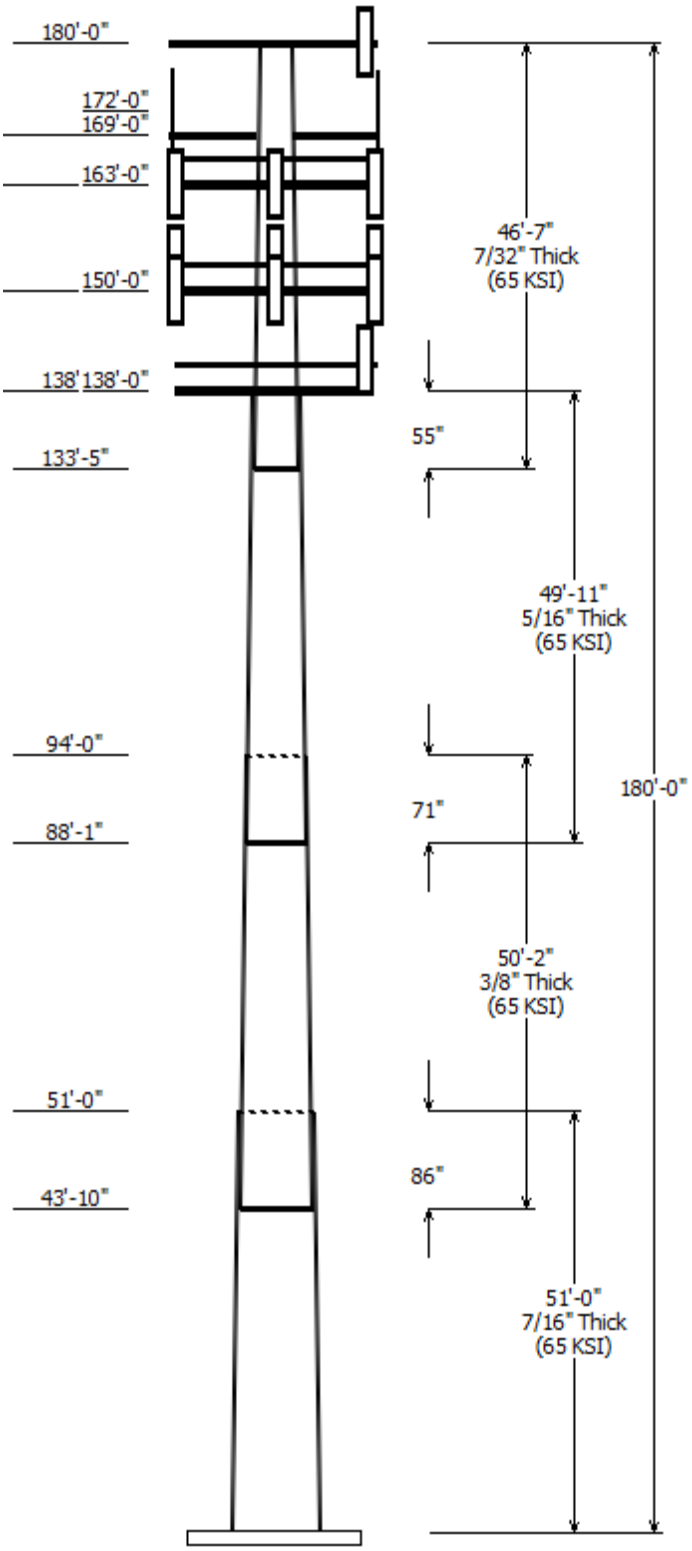
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

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 :	302465	Code:	ANSI/TIA-222-H
Location :	Colchester CT 6, CT		
Description :	180 ft Valmont Monopole	Risk Category :	II
Shape :	12 Sides	Exposure :	B
Height :	180.00 (ft)	Topo Method :	Method 1
Base Elev (ft):	0.00	Topographic Category :	1
Taper:	0.260792 (in/ft)		

Sections Properties

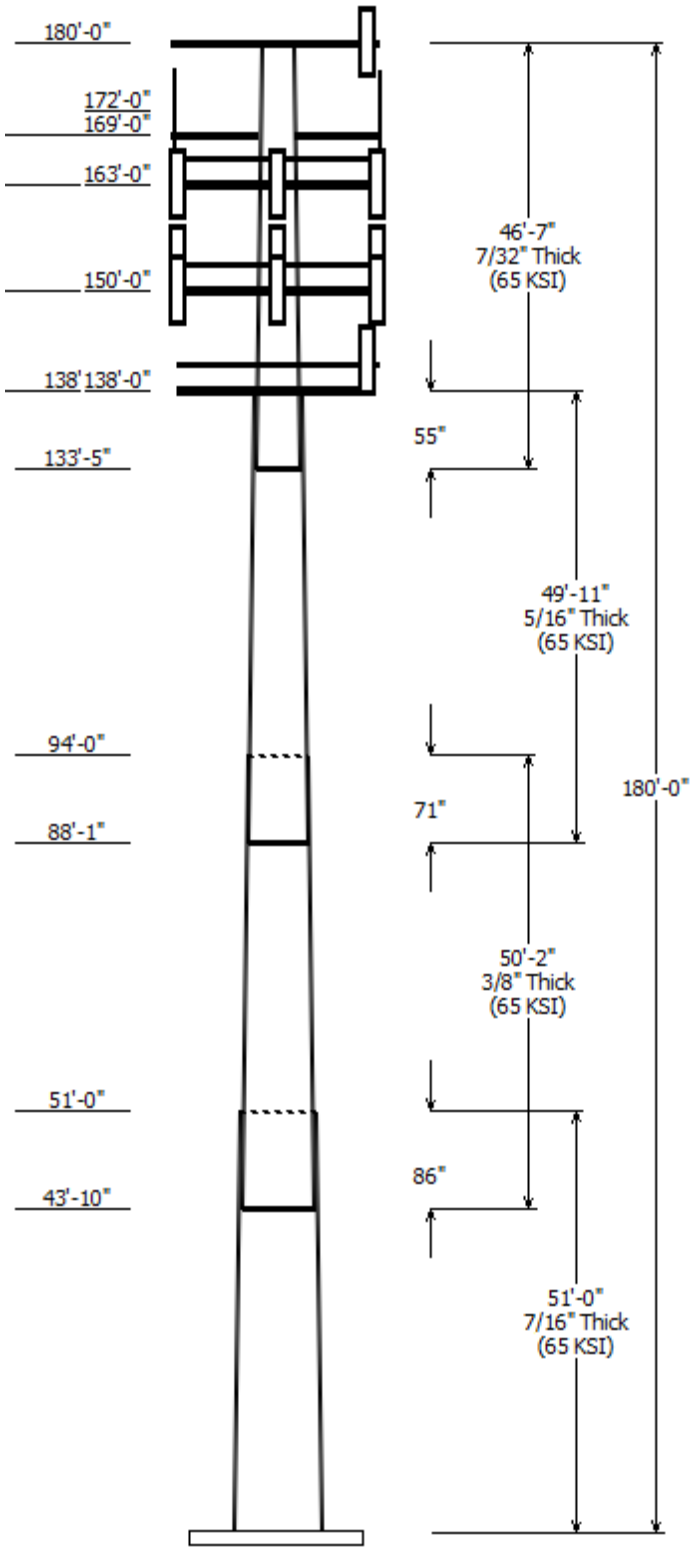
Shaft Section	Length (ft)	Diameter (in) Accross Flats Top	Bottom	Thick (in)	Joint Type	Overlap Length (in)	Shape	Steel Grade (ksi)
1	51.000	50.70	64.00	0.438		0.000	12 Sides	65
2	50.167	40.23	53.31	0.375	Slip Joint	86.000	12 Sides	65
3	49.917	29.38	42.40	0.313	Slip Joint	71.000	12 Sides	65
4	46.583	18.87	31.01	0.219	Slip Joint	55.000	12 Sides	65

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
180.000	180.000	3	Round T-Arm
180.000	180.000	3	RFS APXVTM14-ALU-I20
180.000	180.000	3	Alcatel-Lucent TD-RRH8x20-25
180.000	180.000	3	Alcatel-Lucent 1900 MHz 4X45
180.000	180.000	3	Commscope NNVV-65B-R4
180.000	180.000	6	Alcatel-Lucent RRH2x50-08
172.000	172.000	2	Generic 6' Omni
169.000	169.000	2	Round Side Arm
163.000	163.000	1	Round Platform w/ Handrails
163.000	163.000	6	Commscope JAHH-65B-R3B
163.000	163.000	3	Samsung MT6407-77A
163.000	163.000	2	RFS DB-B1-6C-12AB-0Z
163.000	163.000	3	Samsung B2/B66A RRH-BR049
163.000	163.000	3	Samsung B5/B13 RRH-BR04C
163.000	163.000	3	Commscope CBC78T-DS-43-2X
150.000	150.000	1	Round Platform w/ Handrails
150.000	150.000	2	Kathrein Scala 80010966
150.000	150.000	1	Kathrein Scala 80010965
150.000	150.000	2	CCI HPA65R-BU8A
150.000	150.000	1	CCI HPA65R-BU6A
150.000	153.000	3	Powerwave Allgon 7770.00
150.000	150.000	3	Ericsson RRUS 4449 B5, B12
150.000	150.000	3	Ericsson Radio 8843 - B2 + B66
150.000	153.000	2	Raycap DC6-48-60-18-8F (23.5"
150.000	153.000	6	Powerwave Allgon LGP21401
150.000	152.000	6	LGP Allgon LGP21903
138.000	138.000	1	Round Platform w/ Handrails
138.000	139.000	3	Commscope LNX-6515DS-A1M
138.000	139.000	3	RFS APX16DWV-16DWVS-E-A20
138.000	139.000	3	Ericsson RRUS 11 B12
138.000	139.000	3	Ericsson RRUS 11 B4
138.000	139.000	3	Ericsson RRUS 11 B2

Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
0.000	138.0	1 5/8" (1.63"-	No
0.000	139.0	1 1/4" Hybriflex	No
0.000	139.0	1" (25.4mm)	No
0.000	150.0	0.39" (10mm)	No
0.000	150.0	0.65" (16.4mm) 8	No



0.000	150.0	0.78" (19.7mm) 8	No
0.000	150.0	0.78" (19.7mm) 8	No
0.000	150.0	1 1/4" Coax	No
0.000	150.0	2" Carflex Non-	No
0.000	150.0	3" conduit	No
0.000	163.0	1 5/8" Hybriflex	No
0.000	172.0	0.405" (10.3mm)	No
0.000	180.0	1 1/4" Hybriflex	No
0.000	180.0	1 5/8" Coax	No

Load Cases

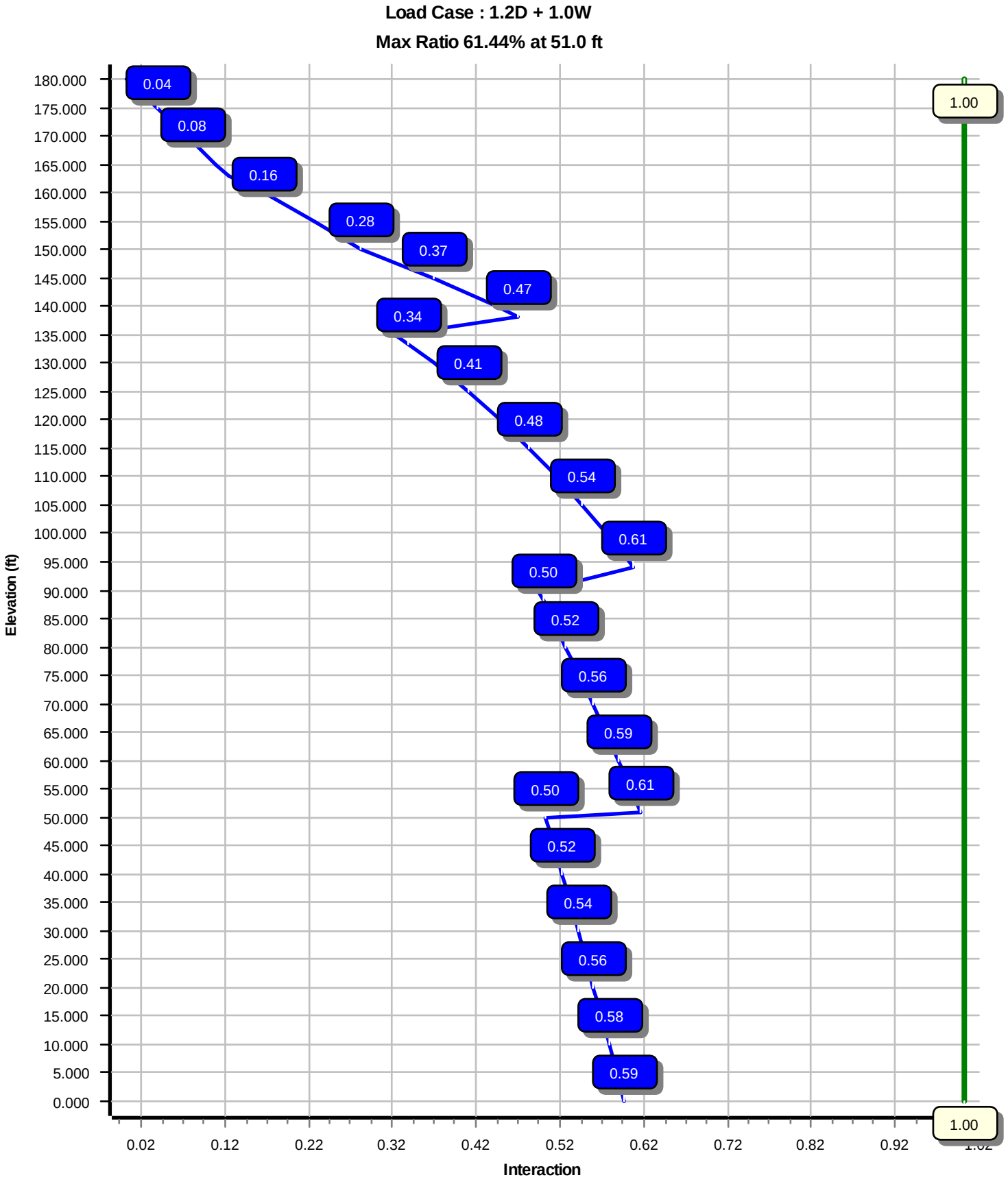
1.2D + 1.0W	122 mph with No Ice
0.9D + 1.0W	122 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	3954.47	33.92	58.90
0.9D + 1.0W	3912.13	33.91	44.17
1.2D + 1.0Di + 1.0Wi	910.63	7.62	76.03
1.2D + 1.0Ev + 1.0Eh	212.25	1.48	59.00
0.9D - 1.0Ev + 1.0Eh	209.09	1.47	40.62
1.0D + 1.0W	850.37	7.34	49.12

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 61.44% at 51.0 ft
Elevation (ft)
180.000
175.000
170.000
165.000
160.000
155.000
150.000
145.000
140.000
135.000
130.000
125.000
120.000
115.000
110.000
105.000
100.000
95.000
90.000
85.000
80.000
75.000
70.000
65.000
60.000
55.000
50.000
45.000
40.000
35.000
30.000
25.000
20.000
15.000
10.000
5.000
0.000
0.04
0.08
0.16
0.28
0.37
0.47
0.34
0.41
0.48
0.54
0.61
0.50
0.52
0.56
0.59
0.61
0.50
0.52
0.54
0.56
0.58
0.59
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: 302465 Code: ANSI/TIA-222-H

Site Name: Colchester CT 6, CT Engineering Number:13668833_C3_02 5/5/2021 10:18:04 AM

Customer: VERIZON WIRELESS

Analysis Parameters

Location :	New London County, CT	Height (ft) :	180
Code :	ANSI/TIA-222-H	Base Diameter (in) :	64.00
Shape :	12 Sides	Top Diameter (in) :	18.87
Pole Type :	Taper	Taper (in/ft) :	0.261
Pole Manfacturer :	Valmont	Rotation (deg) :	0.00
Kd (non-service) :	0.95	Ke :	0.98

Ice & Wind Parameters

Exposure Category:	B	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:	559.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil				
Period Based on Rayleigh Method (sec):	2.49				
T_L (sec):	6	p:	1	C_s:	0.030
S_s:	0.205	S_1:	0.055	C_s Max:	0.030
F_a:	1.600	F_v:	2.400	C_s Min:	0.030
S_{ds}:	0.219	S_{d1}:	0.088		

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

Site Number: 302465 Code: ANSI/TIA-222-H

Site Name: Colchester CT 6, CT Engineering Number:13668833_C3_02 5/5/2021 10:18:04 AM

Customer: VERIZON WIRELESS

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)
1-12	51.000	0.4375	65		0.00	13,914	64.00	0.00	89.54	46176.7	36.52	146.29	50.70	51.00	70.81	22831.9	28.37	115.88	0.260792
2-12	50.167	0.3750	65	Slip	86.00	9,565	53.31	43.83	63.93	22872.5	35.42	142.18	40.23	94.00	48.13	9761.2	26.07	107.29	0.260792
3-12	49.917	0.3125	65	Slip	71.00	6,082	42.40	88.08	42.35	9577.7	33.68	135.69	29.38	138.00	29.25	3156.3	22.52	94.03	0.260792
4-12	46.583	0.2188	65	Slip	55.00	2,761	31.01	133.42	21.69	2626.8	35.32	141.80	18.87	180.00	13.14	583.3	20.43	86.26	0.260792
				Shaft Weight		32,321													

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
180.00	Alcatel-Lucent RRH2x50-08	6	0.80	0.000	52.90	1.701	0.50	93.16	2.287	0.50
180.00	Alcatel-Lucent 1900 MHz 4X45	3	0.80	0.000	60.00	2.322	0.50	114.75	3.056	0.50
180.00	Alcatel-Lucent TD-RRH8x20-25	3	0.80	0.000	70.00	4.046	0.50	134.21	4.948	0.50
180.00	RFS APXVTM14-ALU-I20	3	0.80	0.000	56.20	6.342	0.66	149.75	7.822	0.66
180.00	Round T-Arm	3	0.75	0.000	250.00	9.700	0.67	391.99	15.301	0.67
180.00	Commscope NNVV-65B-R4	3	0.80	0.000	77.40	12.271	0.64	248.11	14.176	0.64
172.00	Generic 6' Omni	2	1.00	0.000	25.00	1.760	1.00	56.20	2.611	1.00
169.00	Round Side Arm	2	1.00	0.000	150.00	5.200	1.00	199.39	7.035	1.00
163.00	Commscope CBC78T-DS-43-2X	3	0.75	0.000	20.70	0.552	0.50	35.57	0.894	0.50
163.00	Samsung B5/B13 RRH-BR04C	3	0.75	0.000	70.30	1.875	0.50	108.80	2.482	0.50
163.00	Samsung B2/B66A RRH-BR049	3	0.75	0.000	84.40	1.875	0.50	127.33	2.482	0.50
163.00	RFS DB-B1-6C-12AB-0Z	2	0.75	0.000	21.40	2.512	0.67	75.12	3.213	0.67
163.00	Samsung MT6407-77A	3	0.75	0.000	81.60	4.709	0.61	150.20	5.731	0.61
163.00	Commscope JAHH-65B-R3B	6	0.75	0.000	60.60	9.113	0.69	196.75	10.980	0.69
163.00	Round Platform w/ Handrails	1	1.00	0.000	2,000.00	27.200	1.00	2,872.04	43.651	1.00
150.00	LGP Allgon LGP21903	6	0.75	2.000	5.50	0.231	0.50	11.11	0.457	0.50
150.00	Powerwave Allgon LGP21401	6	0.75	3.000	14.10	1.104	0.50	30.74	1.580	0.50
150.00	Raycap DC6-48-60-18-8F (23.5"	2	0.75	3.000	20.00	1.260	1.00	55.12	1.699	1.00
150.00	Ericsson Radio 8843 - B2 + B66A	3	0.75	0.000	71.90	1.650	0.50	112.99	2.215	0.50
150.00	Ericsson RRUS 4449 B5, B12	3	0.75	0.000	71.00	1.969	0.50	113.98	2.591	0.50
150.00	Powerwave Allgon 7770.00	3	0.75	3.000	35.00	5.508	0.65	118.21	6.194	0.65
150.00	CCI HPA65R-BU6A	1	0.75	0.000	41.90	7.864	1.00	158.78	9.705	1.00
150.00	CCI HPA65R-BU8A	2	0.75	0.000	54.00	11.230	0.78	208.92	13.380	0.78
150.00	Kathrein Scala 80010965	1	0.75	0.000	97.60	13.814	1.00	275.40	15.849	1.00
150.00	Kathrein Scala 80010966	2	0.75	0.000	114.60	17.363	0.72	328.75	19.823	0.72
150.00	Round Platform w/ Handrails	1	1.00	0.000	2,000.00	27.200	1.00	2,864.17	43.502	1.00
138.00	Ericsson RRUS 11 B2	3	0.75	1.000	50.70	2.791	0.50	98.62	3.517	0.50
138.00	Ericsson RRUS 11 B4	3	0.75	1.000	50.70	2.791	0.50	98.62	3.517	0.50
138.00	Ericsson RRUS 11 B12	3	0.80	1.000	50.70	2.791	0.67	98.62	3.517	0.67
138.00	RFS APX16DWV-16DWVS-E-A20	3	0.75	1.000	40.70	6.586	0.60	118.01	8.019	0.60
138.00	Commscope LNX-6515DS-A1M	3	0.80	1.000	43.70	11.470	0.70	195.83	13.617	0.70
138.00	Round Platform w/ Handrails	1	1.00	0.000	2,000.00	27.200	1.00	2,857.50	43.376	1.00
Totals	Num Loadings:32	92			11,263.10			20,112.14		

Linear Appurtenance Properties

Load Case Azimuth (deg) :

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax / Row	Dist Between Rows (in)	Dist Between Cols (in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	180.00	4	1 1/4" Hybriflex Cable	1.54	1.00	N	0	0.00	0.00	0	0.00	N	SPRINT NEXTEL
0.00	180.00	6	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	SPRINT NEXTEL
0.00	172.00	2	0.405" (10.3mm) Coax	0.41	0.11	N	0	0.00	0.00	0	0.00	N	OTHER
0.00	163.00	2	1 5/8" Hybriflex	1.98	1.30	N	0	0.00	0.00	0	0.00	N	VERIZON WIRELESS

0.00	150.00	2	0.39" (10mm) Fiber	0.39	0.06	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	150.00	2	0.65" (16.4mm) 8 AWG	0.65	0.31	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	150.00	2	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	150.00	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	150.00	12	1 1/4" Coax	1.55	0.63	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	150.00	1	2" Carflex Non-	2.36	0.68	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	150.00	1	3" conduit	3.50	7.58	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	139.00	1	1 1/4" Hybriflex Cable	1.54	1.00	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	139.00	1	1" (25.4mm) Hybrid	1.00	0.65	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	138.00	1	1 5/8" (1.63"-41.3mm)	1.63	1.61	N	0	0.00	0.00	0	0.00	N	T-MOBILE

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		0.4375	64.000	89.544	46,176.7	36.52	146.29	64.9	1393.	0.0	0.0
5.00		0.4375	62.696	87.707	43,392.7	35.72	143.31	65.8	1337.	0.0	1,507.9
10.00		0.4375	61.392	85.870	40,722.9	34.92	140.32	66.6	1281.	0.0	1,476.6
15.00		0.4375	60.088	84.033	38,165.0	34.12	137.34	67.5	1227.	0.0	1,445.4
20.00		0.4375	58.784	82.196	35,716.4	33.32	134.36	68.4	1173.	0.0	1,414.1
25.00		0.4375	57.480	80.359	33,374.9	32.52	131.38	69.2	1121.	0.0	1,382.8
30.00		0.4375	56.176	78.522	31,138.1	31.73	128.40	70.1	1070.	0.0	1,351.6
35.00		0.4375	54.872	76.685	29,003.4	30.93	125.42	71.0	1021.	0.0	1,320.3
40.00		0.4375	53.568	74.848	26,968.7	30.13	122.44	71.9	972.6	0.0	1,289.1
43.83	Bot - Section 2	0.4375	52.569	73.440	25,474.8	29.52	120.16	72.5	936.2	0.0	967.1
45.00		0.4375	52.264	73.011	25,031.4	29.33	119.46	72.7	925.2	0.0	543.8
50.00		0.4375	50.960	71.174	23,189.2	28.53	116.48	73.6	879.1	0.0	2,294.6
51.00	Top - Section 1	0.3750	51.450	61.673	20,534.7	34.08	137.20	67.5	771.0	0.0	452.0
55.00		0.3750	50.406	60.413	19,302.0	33.34	134.42	68.4	739.8	0.0	830.9
60.00		0.3750	49.103	58.838	17,831.8	32.41	130.94	69.4	701.6	0.0	1,014.5
65.00		0.3750	47.799	57.264	16,438.2	31.47	127.46	70.4	664.4	0.0	987.7
70.00		0.3750	46.495	55.689	15,119.2	30.54	123.99	71.4	628.2	0.0	960.9
75.00		0.3750	45.191	54.115	13,872.7	29.61	120.51	72.4	593.0	0.0	934.1
80.00		0.3750	43.887	52.540	12,696.7	28.68	117.03	73.4	558.9	0.0	907.3
85.00		0.3750	42.583	50.966	11,589.1	27.75	113.55	74.5	525.8	0.0	880.5
88.08	Bot - Section 3	0.3750	41.779	49.995	10,939.2	27.17	111.41	75.1	505.8	0.0	529.6
90.00		0.3750	41.279	49.391	10,547.8	26.82	110.08	75.5	493.6	0.0	598.7
94.00	Top - Section 2	0.3125	40.861	40.802	8,562.5	32.36	130.75	69.4	404.8	0.0	1,226.2
95.00		0.3125	40.600	40.539	8,398.4	32.13	129.92	69.7	399.6	0.0	138.4
100.0		0.3125	39.296	39.227	7,609.0	31.01	125.75	70.9	374.1	0.0	678.6
105.0		0.3125	37.992	37.915	6,870.7	29.90	121.57	72.1	349.4	0.0	656.2
110.0		0.3125	36.688	36.603	6,181.8	28.78	117.40	73.3	325.5	0.0	633.9
115.0		0.3125	35.384	35.291	5,540.6	27.66	113.23	74.5	302.5	0.0	611.6
120.0		0.3125	34.080	33.979	4,945.3	26.54	109.06	75.8	280.3	0.0	589.3
125.0		0.3125	32.776	32.666	4,394.2	25.42	104.88	77.0	259.0	0.0	566.9
130.0		0.3125	31.472	31.354	3,885.7	24.31	100.71	78.2	238.5	0.0	544.6
133.4	Bot - Section 4	0.3125	30.581	30.458	3,561.8	23.54	97.86	79.0	225.0	0.0	359.3
135.0		0.3125	30.168	30.042	3,418.0	23.19	96.54	79.4	218.9	0.0	279.1
138.0	Top - Section 3	0.2188	29.823	20.853	2,332.7	33.85	136.33	67.8	151.1	0.0	518.3
140.0		0.2188	29.302	20.485	2,211.6	33.21	133.95	68.5	145.8	0.0	140.7
145.0		0.2188	27.998	19.567	1,927.3	31.62	127.99	70.2	133.0	0.0	340.7
150.0		0.2188	26.694	18.648	1,668.4	30.02	122.03	72.0	120.7	0.0	325.1
155.0		0.2188	25.390	17.730	1,433.8	28.42	116.07	73.7	109.1	0.0	309.5
160.0		0.2188	24.086	16.811	1,222.3	26.82	110.11	75.5	98.0	0.0	293.8
163.0		0.2188	23.303	16.260	1,106.0	25.87	106.53	76.5	91.7	0.0	168.8
165.0		0.2188	22.782	15.893	1,032.7	25.23	104.15	77.2	87.6	0.0	109.4
169.0		0.2188	21.739	15.158	896.0	23.95	99.38	78.6	79.6	0.0	211.3
170.0		0.2188	21.478	14.974	863.8	23.63	98.18	78.9	77.7	0.0	51.3
172.0		0.2188	20.956	14.607	801.8	22.99	95.80	79.6	73.9	0.0	100.7
175.0		0.2188	20.174	14.056	714.4	22.03	92.22	80.7	68.4	0.0	146.3
180.0		0.2188	18.870	13.137	583.3	20.43	86.26	81.9	59.7	0.0	231.3
											32,320.8

Site Number: 302465 Code: ANSI/TIA-222-H

Site Name: Colchester CT 6, CT Engineering Number:13668833_C3_02 5/5/2021 10:18:05 AM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W 122 mph with No Ice 25 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	-58.90	-33.92	0.00	-3,954.47	0.00	3,954.47	5,229.17	1,571.49	9,421.69	6,783.18	0.00	0.00	0.595
5.00	-56.82	-33.34	0.00	-3,784.86	0.00	3,784.86	5,190.65	1,539.25	9,039.18	6,594.14	0.06	-0.12	0.585
10.00	-54.77	-32.76	0.00	-3,618.18	0.00	3,618.18	5,149.25	1,507.01	8,664.60	6,403.58	0.25	-0.24	0.576
15.00	-52.75	-32.19	0.00	-3,454.37	0.00	3,454.37	5,104.97	1,474.78	8,297.94	6,211.74	0.57	-0.36	0.567
20.00	-50.78	-31.63	0.00	-3,293.41	0.00	3,293.41	5,057.81	1,442.54	7,939.21	6,018.84	1.02	-0.49	0.558
25.00	-48.85	-31.08	0.00	-3,135.24	0.00	3,135.24	5,007.77	1,410.30	7,588.41	5,825.12	1.60	-0.62	0.548
30.00	-46.95	-30.53	0.00	-2,979.83	0.00	2,979.83	4,954.85	1,378.06	7,245.53	5,630.81	2.32	-0.75	0.539
35.00	-45.10	-29.97	0.00	-2,827.18	0.00	2,827.18	4,899.05	1,345.82	6,910.58	5,436.14	3.18	-0.88	0.530
40.00	-43.29	-29.46	0.00	-2,677.33	0.00	2,677.33	4,840.37	1,313.58	6,583.55	5,241.34	4.17	-1.02	0.520
43.83	-41.94	-29.16	0.00	-2,564.41	0.00	2,564.41	4,793.44	1,288.87	6,338.20	5,092.05	5.03	-1.12	0.513
45.00	-41.20	-28.79	0.00	-2,530.39	0.00	2,530.39	4,778.81	1,281.34	6,264.45	5,046.65	5.31	-1.15	0.511
50.00	-38.20	-28.38	0.00	-2,386.44	0.00	2,386.44	4,714.38	1,249.11	5,953.28	4,852.29	6.60	-1.29	0.500
51.00	-37.59	-28.08	0.00	-2,358.06	0.00	2,358.06	3,748.95	1,082.35	5,214.40	3,905.86	6.87	-1.32	0.614
55.00	-36.37	-27.54	0.00	-2,245.73	0.00	2,245.73	3,716.58	1,060.25	5,003.62	3,792.47	8.03	-1.44	0.603
60.00	-34.89	-26.93	0.00	-2,108.05	0.00	2,108.05	3,673.53	1,032.61	4,746.27	3,650.12	9.62	-1.60	0.588
65.00	-33.44	-26.32	0.00	-1,973.41	0.00	1,973.41	3,627.60	1,004.98	4,495.71	3,507.29	11.38	-1.76	0.573
70.00	-32.02	-25.70	0.00	-1,841.84	0.00	1,841.84	3,578.79	977.35	4,251.95	3,364.21	13.32	-1.93	0.557
75.00	-30.64	-25.09	0.00	-1,713.33	0.00	1,713.33	3,527.09	949.72	4,014.98	3,221.11	15.43	-2.09	0.541
80.00	-29.30	-24.48	0.00	-1,587.90	0.00	1,587.90	3,472.52	922.08	3,784.80	3,078.24	17.71	-2.26	0.525
85.00	-27.99	-23.97	0.00	-1,465.52	0.00	1,465.52	3,415.07	894.45	3,561.42	2,935.81	20.17	-2.43	0.508
88.08	-27.21	-23.66	0.00	-1,391.62	0.00	1,391.62	3,378.20	877.41	3,427.05	2,848.31	21.78	-2.54	0.497
90.00	-26.38	-23.29	0.00	-1,346.27	0.00	1,346.27	3,354.74	866.82	3,344.83	2,794.06	22.81	-2.61	0.490
94.00	-24.72	-22.94	0.00	-1,253.10	0.00	1,253.10	2,549.41	716.07	2,738.82	2,107.92	25.06	-2.75	0.605
95.00	-24.49	-22.60	0.00	-1,230.16	0.00	1,230.16	2,541.91	711.46	2,703.72	2,088.10	25.64	-2.79	0.600
100.00	-23.42	-22.01	0.00	-1,117.16	0.00	1,117.16	2,502.69	688.43	2,531.57	1,988.82	28.67	-2.99	0.572
105.00	-22.38	-21.43	0.00	-1,007.12	0.00	1,007.12	2,460.58	665.41	2,365.09	1,889.44	31.90	-3.18	0.543
110.00	-21.37	-20.85	0.00	-899.99	0.00	899.99	2,415.60	642.38	2,204.27	1,790.18	35.34	-3.38	0.513
115.00	-20.40	-20.28	0.00	-795.74	0.00	795.74	2,367.74	619.35	2,049.12	1,691.27	38.99	-3.58	0.480
120.00	-19.45	-19.72	0.00	-694.35	0.00	694.35	2,317.00	596.32	1,899.62	1,592.95	42.84	-3.77	0.445
125.00	-18.54	-19.17	0.00	-595.75	0.00	595.75	2,263.38	573.30	1,755.79	1,495.45	46.88	-3.95	0.408
130.00	-17.66	-18.70	0.00	-499.92	0.00	499.92	2,206.88	550.27	1,617.62	1,398.99	51.12	-4.13	0.367
133.42	-17.08	-18.42	0.00	-436.03	0.00	436.03	2,166.61	534.53	1,526.45	1,333.80	54.11	-4.25	0.336
135.00	-16.68	-18.17	0.00	-406.87	0.00	406.87	2,147.49	527.24	1,485.11	1,303.81	55.53	-4.30	0.321
138.00	-12.90	-14.83	0.00	-350.71	0.00	350.71	1,272.33	365.96	1,021.95	768.31	58.26	-4.40	0.468
140.00	-12.65	-14.49	0.00	-321.04	0.00	321.04	1,262.76	359.52	986.26	749.00	60.12	-4.46	0.440
145.00	-12.05	-13.99	0.00	-248.59	0.00	248.59	1,236.82	343.40	899.83	700.48	64.88	-4.64	0.366
150.00	-8.03	-9.19	0.00	-176.97	0.00	176.97	1,208.00	327.28	817.35	651.79	69.82	-4.80	0.279
155.00	-7.61	-8.71	0.00	-131.04	0.00	131.04	1,176.30	311.16	738.84	603.17	74.92	-4.93	0.224
160.00	-7.20	-8.34	0.00	-87.47	0.00	87.47	1,141.72	295.04	664.30	554.85	80.13	-5.04	0.165
163.00	-3.45	-4.71	0.00	-62.47	0.00	62.47	1,119.59	285.37	621.47	526.10	83.31	-5.09	0.122
165.00	-3.32	-4.45	0.00	-53.05	0.00	53.05	1,104.26	278.92	593.72	507.06	85.45	-5.12	0.108
169.00	-2.72	-3.73	0.00	-35.26	0.00	35.26	1,072.22	266.03	540.10	469.37	89.76	-5.17	0.078

Site Number:	302465	Code: ANSI/TIA-222-H	
Site Name:	Colchester CT 6, CT	Engineering Number: 13668833_C3_02	5/5/2021 10:18:08 AM
Customer:	VERIZON WIRELESS		

Load Case: 1.2D + 1.0W — 122 mph with No Ice — 25 Iterations

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

170.00	-2.66	-3.60	0.00	-31.53	0.00	31.53	1,063.92	262.80	527.10	460.03	90.84	-5.18	0.071
172.00	-2.49	-3.24	0.00	-24.33	0.00	24.33	1,046.98	256.35	501.56	441.49	93.01	-5.20	0.058
175.00	-2.30	-2.92	0.00	-14.62	0.00	14.62	1,020.70	246.68	464.44	414.00	96.28	-5.22	0.038
180.00	0.00	-2.70	0.00	0.00	0.00	0.00	968.36	230.56	405.75	366.83	101.75	-5.23	0.000

Site Number: 302465 Code: ANSI/TIA-222-H

Site Name: Colchester CT 6, CT Engineering Number: 13668833_C3_02 5/5/2021 10:18:08 AM

Customer: VERIZON WIRELESS

Load Case: 0.9D + 1.0W 122 mph with No Ice (Reduced DL) 25 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	-44.17	-33.91	0.00	-3,912.13	0.00	3,912.13	5,229.17	1,571.49	9,421.69	6,783.18	0.00	0.00	0.586
5.00	-42.59	-33.29	0.00	-3,742.60	0.00	3,742.60	5,190.65	1,539.25	9,039.18	6,594.14	0.06	-0.12	0.576
10.00	-41.03	-32.69	0.00	-3,576.15	0.00	3,576.15	5,149.25	1,507.01	8,664.60	6,403.58	0.25	-0.24	0.567
15.00	-39.51	-32.09	0.00	-3,412.72	0.00	3,412.72	5,104.97	1,474.78	8,297.94	6,211.74	0.57	-0.36	0.558
20.00	-38.01	-31.51	0.00	-3,252.27	0.00	3,252.27	5,057.81	1,442.54	7,939.21	6,018.84	1.01	-0.48	0.548
25.00	-36.55	-30.93	0.00	-3,094.74	0.00	3,094.74	5,007.77	1,410.30	7,588.41	5,825.12	1.59	-0.61	0.539
30.00	-35.11	-30.36	0.00	-2,940.09	0.00	2,940.09	4,954.85	1,378.06	7,245.53	5,630.81	2.30	-0.74	0.530
35.00	-33.71	-29.77	0.00	-2,788.31	0.00	2,788.31	4,899.05	1,345.82	6,910.58	5,436.14	3.14	-0.87	0.520
40.00	-32.34	-29.25	0.00	-2,639.44	0.00	2,639.44	4,840.37	1,313.58	6,583.55	5,241.34	4.12	-1.00	0.511
43.83	-31.32	-28.94	0.00	-2,527.33	0.00	2,527.33	4,793.44	1,288.87	6,338.20	5,092.05	4.97	-1.11	0.503
45.00	-30.76	-28.56	0.00	-2,493.57	0.00	2,493.57	4,778.81	1,281.34	6,264.45	5,046.65	5.25	-1.14	0.501
50.00	-28.50	-28.15	0.00	-2,350.78	0.00	2,350.78	4,714.38	1,249.11	5,953.28	4,852.29	6.52	-1.28	0.491
51.00	-28.04	-27.84	0.00	-2,322.62	0.00	2,322.62	3,748.95	1,082.35	5,214.40	3,905.86	6.79	-1.31	0.603
55.00	-27.11	-27.28	0.00	-2,211.26	0.00	2,211.26	3,716.58	1,060.25	5,003.62	3,792.47	7.93	-1.42	0.591
60.00	-25.99	-26.66	0.00	-2,074.85	0.00	2,074.85	3,673.53	1,032.61	4,746.27	3,650.12	9.50	-1.58	0.576
65.00	-24.89	-26.03	0.00	-1,941.57	0.00	1,941.57	3,627.60	1,004.98	4,495.71	3,507.29	11.24	-1.74	0.561
70.00	-23.81	-25.40	0.00	-1,811.43	0.00	1,811.43	3,578.79	977.35	4,251.95	3,364.21	13.15	-1.90	0.546
75.00	-22.77	-24.77	0.00	-1,684.43	0.00	1,684.43	3,527.09	949.72	4,014.98	3,221.11	15.23	-2.06	0.530
80.00	-21.75	-24.15	0.00	-1,560.56	0.00	1,560.56	3,472.52	922.08	3,784.80	3,078.24	17.48	-2.23	0.514
85.00	-20.76	-23.64	0.00	-1,439.80	0.00	1,439.80	3,415.07	894.45	3,561.42	2,935.81	19.90	-2.40	0.497
88.08	-20.17	-23.33	0.00	-1,366.91	0.00	1,366.91	3,378.20	877.41	3,427.05	2,848.31	21.49	-2.51	0.487
90.00	-19.54	-22.96	0.00	-1,322.19	0.00	1,322.19	3,354.74	866.82	3,344.83	2,794.06	22.51	-2.57	0.480
94.00	-18.30	-22.61	0.00	-1,230.36	0.00	1,230.36	2,549.41	716.07	2,738.82	2,107.92	24.72	-2.71	0.592
95.00	-18.11	-22.26	0.00	-1,207.75	0.00	1,207.75	2,541.91	711.46	2,703.72	2,088.10	25.29	-2.75	0.587
100.00	-17.30	-21.66	0.00	-1,096.43	0.00	1,096.43	2,502.69	688.43	2,531.57	1,988.82	28.27	-2.94	0.559
105.00	-16.52	-21.07	0.00	-988.11	0.00	988.11	2,460.58	665.41	2,365.09	1,889.44	31.46	-3.14	0.531
110.00	-15.75	-20.49	0.00	-882.74	0.00	882.74	2,415.60	642.38	2,204.27	1,790.18	34.84	-3.33	0.501
115.00	-15.02	-19.92	0.00	-780.29	0.00	780.29	2,367.74	619.35	2,049.12	1,691.27	38.43	-3.52	0.469
120.00	-14.30	-19.35	0.00	-680.71	0.00	680.71	2,317.00	596.32	1,899.62	1,592.95	42.22	-3.71	0.435
125.00	-13.61	-18.80	0.00	-583.94	0.00	583.94	2,263.38	573.30	1,755.79	1,495.45	46.20	-3.89	0.398
130.00	-12.95	-18.34	0.00	-489.93	0.00	489.93	2,206.88	550.27	1,617.62	1,398.99	50.37	-4.06	0.357
133.42	-12.52	-18.06	0.00	-427.28	0.00	427.28	2,166.61	534.53	1,526.45	1,333.80	53.32	-4.18	0.327
135.00	-12.21	-17.81	0.00	-398.69	0.00	398.69	2,147.49	527.24	1,485.11	1,303.81	54.71	-4.23	0.313
138.00	-9.43	-14.55	0.00	-343.60	0.00	343.60	1,272.33	365.96	1,021.95	768.31	57.40	-4.32	0.456
140.00	-9.24	-14.21	0.00	-314.49	0.00	314.49	1,262.76	359.52	986.26	749.00	59.22	-4.38	0.429
145.00	-8.79	-13.71	0.00	-243.47	0.00	243.47	1,236.82	343.40	899.83	700.48	63.90	-4.56	0.356
150.00	-5.85	-8.99	0.00	-173.27	0.00	173.27	1,208.00	327.28	817.35	651.79	68.77	-4.72	0.271
155.00	-5.54	-8.52	0.00	-128.30	0.00	128.30	1,176.30	311.16	738.84	603.17	73.77	-4.85	0.218
160.00	-5.25	-8.15	0.00	-85.69	0.00	85.69	1,141.72	295.04	664.30	554.85	78.90	-4.95	0.160
163.00	-2.50	-4.62	0.00	-61.23	0.00	61.23	1,119.59	285.37	621.47	526.10	82.03	-5.00	0.119
165.00	-2.40	-4.36	0.00	-51.99	0.00	51.99	1,104.26	278.92	593.72	507.06	84.13	-5.03	0.105
169.00	-1.97	-3.65	0.00	-34.54	0.00	34.54	1,072.22	266.03	540.10	469.37	88.36	-5.08	0.076

Site Number:	302465	Code: ANSI/TIA-222-H	
Site Name:	Colchester CT 6, CT	Engineering Number: 13668833_C3_02	5/5/2021 10:18:12 AM
Customer:	VERIZON WIRELESS		

Load Case: 0.9D + 1.0W — 122 mph with No Ice (Reduced DL) — 25 Iterations

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

170.00	-1.92	-3.53	0.00	-30.89	0.00	30.89	1,063.92	262.80	527.10	460.03	89.42	-5.09	0.069
172.00	-1.80	-3.17	0.00	-23.82	0.00	23.82	1,046.98	256.35	501.56	441.49	91.55	-5.11	0.056
175.00	-1.67	-2.86	0.00	-14.31	0.00	14.31	1,020.70	246.68	464.44	414.00	94.77	-5.13	0.036
180.00	0.00	-2.70	0.00	0.00	0.00	0.00	968.36	230.56	405.75	366.83	100.14	-5.14	0.000

Site Number: 302465 Code: ANSI/TIA-222-H

Site Name: Colchester CT 6, CT Engineering Number: 13668833_C3_02 5/5/2021 10:18:12 AM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.00 in Radial Ice 24 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	-76.03	-7.62	0.00	-910.63	0.00	910.63	5,229.17	1,571.49	9,421.69	6,783.18	0.00	0.00	0.149
5.00	-73.69	-7.50	0.00	-872.55	0.00	872.55	5,190.65	1,539.25	9,039.18	6,594.14	0.01	-0.03	0.147
10.00	-71.36	-7.38	0.00	-835.06	0.00	835.06	5,149.25	1,507.01	8,664.60	6,403.58	0.06	-0.06	0.144
15.00	-69.05	-7.27	0.00	-798.14	0.00	798.14	5,104.97	1,474.78	8,297.94	6,211.74	0.13	-0.08	0.142
20.00	-66.77	-7.15	0.00	-761.81	0.00	761.81	5,057.81	1,442.54	7,939.21	6,018.84	0.24	-0.11	0.140
25.00	-64.54	-7.04	0.00	-726.04	0.00	726.04	5,007.77	1,410.30	7,588.41	5,825.12	0.37	-0.14	0.138
30.00	-62.34	-6.93	0.00	-690.83	0.00	690.83	4,954.85	1,378.06	7,245.53	5,630.81	0.54	-0.17	0.135
35.00	-60.18	-6.81	0.00	-656.19	0.00	656.19	4,899.05	1,345.82	6,910.58	5,436.14	0.73	-0.20	0.133
40.00	-58.06	-6.71	0.00	-622.12	0.00	622.12	4,840.37	1,313.58	6,583.55	5,241.34	0.96	-0.23	0.131
43.83	-56.46	-6.64	0.00	-596.41	0.00	596.41	4,793.44	1,288.87	6,338.20	5,092.05	1.16	-0.26	0.129
45.00	-55.68	-6.57	0.00	-588.66	0.00	588.66	4,778.81	1,281.34	6,264.45	5,046.65	1.23	-0.27	0.128
50.00	-52.36	-6.48	0.00	-555.81	0.00	555.81	4,714.38	1,249.11	5,953.28	4,852.29	1.52	-0.30	0.126
51.00	-51.70	-6.42	0.00	-549.33	0.00	549.33	3,748.95	1,082.35	5,214.40	3,905.86	1.59	-0.31	0.154
55.00	-50.25	-6.31	0.00	-523.65	0.00	523.65	3,716.58	1,060.25	5,003.62	3,792.47	1.86	-0.33	0.152
60.00	-48.48	-6.18	0.00	-492.12	0.00	492.12	3,673.53	1,032.61	4,746.27	3,650.12	2.23	-0.37	0.148
65.00	-46.74	-6.05	0.00	-461.22	0.00	461.22	3,627.60	1,004.98	4,495.71	3,507.29	2.63	-0.41	0.144
70.00	-45.04	-5.92	0.00	-430.97	0.00	430.97	3,578.79	977.35	4,251.95	3,364.21	3.08	-0.45	0.141
75.00	-43.38	-5.79	0.00	-401.35	0.00	401.35	3,527.09	949.72	4,014.98	3,221.11	3.57	-0.49	0.137
80.00	-41.76	-5.66	0.00	-372.39	0.00	372.39	3,472.52	922.08	3,784.80	3,078.24	4.10	-0.53	0.133
85.00	-40.19	-5.55	0.00	-344.08	0.00	344.08	3,415.07	894.45	3,561.42	2,935.81	4.68	-0.57	0.129
88.08	-39.23	-5.49	0.00	-326.95	0.00	326.95	3,378.20	877.41	3,427.05	2,848.31	5.05	-0.59	0.126
90.00	-38.31	-5.41	0.00	-316.43	0.00	316.43	3,354.74	866.82	3,344.83	2,794.06	5.29	-0.61	0.125
94.00	-36.43	-5.33	0.00	-294.79	0.00	294.79	2,549.41	716.07	2,738.82	2,107.92	5.82	-0.64	0.154
95.00	-36.16	-5.26	0.00	-289.46	0.00	289.46	2,541.91	711.46	2,703.72	2,088.10	5.95	-0.65	0.153
100.00	-34.84	-5.14	0.00	-263.15	0.00	263.15	2,502.69	688.43	2,531.57	1,988.82	6.66	-0.70	0.146
105.00	-33.56	-5.01	0.00	-237.47	0.00	237.47	2,460.58	665.41	2,365.09	1,889.44	7.41	-0.74	0.139
110.00	-32.31	-4.89	0.00	-212.42	0.00	212.42	2,415.60	642.38	2,204.27	1,790.18	8.21	-0.79	0.132
115.00	-31.09	-4.76	0.00	-187.99	0.00	187.99	2,367.74	619.35	2,049.12	1,691.27	9.07	-0.84	0.124
120.00	-29.92	-4.64	0.00	-164.17	0.00	164.17	2,317.00	596.32	1,899.62	1,592.95	9.97	-0.88	0.116
125.00	-28.77	-4.52	0.00	-140.97	0.00	140.97	2,263.38	573.30	1,755.79	1,495.45	10.91	-0.92	0.107
130.00	-27.67	-4.41	0.00	-118.38	0.00	118.38	2,206.88	550.27	1,617.62	1,398.99	11.90	-0.97	0.097
133.42	-26.93	-4.35	0.00	-103.29	0.00	103.29	2,166.61	534.53	1,526.45	1,333.80	12.61	-0.99	0.090
135.00	-26.45	-4.30	0.00	-96.40	0.00	96.40	2,147.49	527.24	1,485.11	1,303.81	12.94	-1.01	0.086
138.00	-20.78	-3.50	0.00	-83.18	0.00	83.18	1,272.33	365.96	1,021.95	768.31	13.58	-1.03	0.125
140.00	-20.44	-3.42	0.00	-76.18	0.00	76.18	1,262.76	359.52	986.26	749.00	14.01	-1.04	0.118
145.00	-19.62	-3.31	0.00	-59.07	0.00	59.07	1,236.82	343.40	899.83	700.48	15.13	-1.09	0.100
150.00	-13.17	-2.20	0.00	-42.18	0.00	42.18	1,208.00	327.28	817.35	651.79	16.29	-1.12	0.076
155.00	-12.53	-2.09	0.00	-31.18	0.00	31.18	1,176.30	311.16	738.84	603.17	17.49	-1.16	0.062
160.00	-11.91	-2.00	0.00	-20.74	0.00	20.74	1,141.72	295.04	664.30	554.85	18.71	-1.18	0.048
163.00	-5.96	-1.11	0.00	-14.75	0.00	14.75	1,119.59	285.37	621.47	526.10	19.46	-1.19	0.033
165.00	-5.73	-1.05	0.00	-12.52	0.00	12.52	1,104.26	278.92	593.72	507.06	19.96	-1.20	0.030
169.00	-4.86	-0.88	0.00	-8.30	0.00	8.30	1,072.22	266.03	540.10	469.37	20.97	-1.21	0.022

Site Number:	302465	Code: ANSI/TIA-222-H	
Site Name:	Colchester CT 6, CT	Engineering Number: 13668833_C3_02	5/5/2021 10:18:16 AM
Customer:	VERIZON WIRELESS		

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph with 1.00 in Radial Ice — 24 Iterations

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

170.00	-4.76	-0.85	0.00	-7.42	0.00	7.42	1,063.92	262.80	527.10	460.03	21.23	-1.22	0.021
172.00	-4.44	-0.76	0.00	-5.71	0.00	5.71	1,046.98	256.35	501.56	441.49	21.74	-1.22	0.017
175.00	-4.13	-0.69	0.00	-3.43	0.00	3.43	1,020.70	246.68	464.44	414.00	22.50	-1.22	0.012
180.00	0.00	-0.60	0.00	0.00	0.00	0.00	968.36	230.56	405.75	366.83	23.79	-1.23	0.000

Load Case: 1.0D + 1.0W Serviceability 60 mph 24 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	-49.12	-7.34	0.00	-850.37	0.00	850.37	5,229.17	1,571.49	9,421.69	6,783.18	0.00	0.00	0.135
5.00	-47.43	-7.21	0.00	-813.68	0.00	813.68	5,190.65	1,539.25	9,039.18	6,594.14	0.01	-0.03	0.133
10.00	-45.77	-7.08	0.00	-777.64	0.00	777.64	5,149.25	1,507.01	8,664.60	6,403.58	0.05	-0.05	0.130
15.00	-44.15	-6.95	0.00	-742.25	0.00	742.25	5,104.97	1,474.78	8,297.94	6,211.74	0.12	-0.08	0.128
20.00	-42.56	-6.83	0.00	-707.49	0.00	707.49	5,057.81	1,442.54	7,939.21	6,018.84	0.22	-0.11	0.126
25.00	-41.00	-6.70	0.00	-673.35	0.00	673.35	5,007.77	1,410.30	7,588.41	5,825.12	0.34	-0.13	0.124
30.00	-39.47	-6.58	0.00	-639.83	0.00	639.83	4,954.85	1,378.06	7,245.53	5,630.81	0.50	-0.16	0.122
35.00	-37.97	-6.46	0.00	-606.92	0.00	606.92	4,899.05	1,345.82	6,910.58	5,436.14	0.68	-0.19	0.119
40.00	-36.50	-6.34	0.00	-574.63	0.00	574.63	4,840.37	1,313.58	6,583.55	5,241.34	0.90	-0.22	0.117
43.83	-35.40	-6.28	0.00	-550.31	0.00	550.31	4,793.44	1,288.87	6,338.20	5,092.05	1.08	-0.24	0.115
45.00	-34.81	-6.20	0.00	-542.98	0.00	542.98	4,778.81	1,281.34	6,264.45	5,046.65	1.14	-0.25	0.115
50.00	-32.34	-6.11	0.00	-511.99	0.00	511.99	4,714.38	1,249.11	5,953.28	4,852.29	1.42	-0.28	0.112
51.00	-31.85	-6.04	0.00	-505.88	0.00	505.88	3,748.95	1,082.35	5,214.40	3,905.86	1.48	-0.28	0.138
55.00	-30.88	-5.92	0.00	-481.71	0.00	481.71	3,716.58	1,060.25	5,003.62	3,792.47	1.72	-0.31	0.135
60.00	-29.69	-5.79	0.00	-452.09	0.00	452.09	3,673.53	1,032.61	4,746.27	3,650.12	2.07	-0.34	0.132
65.00	-28.52	-5.66	0.00	-423.14	0.00	423.14	3,627.60	1,004.98	4,495.71	3,507.29	2.45	-0.38	0.129
70.00	-27.38	-5.52	0.00	-394.86	0.00	394.86	3,578.79	977.35	4,251.95	3,364.21	2.86	-0.41	0.125
75.00	-26.27	-5.39	0.00	-367.25	0.00	367.25	3,527.09	949.72	4,014.98	3,221.11	3.31	-0.45	0.121
80.00	-25.18	-5.25	0.00	-340.32	0.00	340.32	3,472.52	922.08	3,784.80	3,078.24	3.80	-0.49	0.118
85.00	-24.13	-5.14	0.00	-314.05	0.00	314.05	3,415.07	894.45	3,561.42	2,935.81	4.33	-0.52	0.114
88.08	-23.49	-5.08	0.00	-298.19	0.00	298.19	3,378.20	877.41	3,427.05	2,848.31	4.68	-0.55	0.112
90.00	-22.82	-5.00	0.00	-288.46	0.00	288.46	3,354.74	866.82	3,344.83	2,794.06	4.90	-0.56	0.110
94.00	-21.45	-4.92	0.00	-268.47	0.00	268.47	2,549.41	716.07	2,738.82	2,107.92	5.38	-0.59	0.136
95.00	-21.28	-4.85	0.00	-263.55	0.00	263.55	2,541.91	711.46	2,703.72	2,088.10	5.51	-0.60	0.135
100.00	-20.42	-4.72	0.00	-239.31	0.00	239.31	2,502.69	688.43	2,531.57	1,988.82	6.16	-0.64	0.129
105.00	-19.59	-4.59	0.00	-215.71	0.00	215.71	2,460.58	665.41	2,365.09	1,889.44	6.85	-0.68	0.122
110.00	-18.78	-4.47	0.00	-192.75	0.00	192.75	2,415.60	642.38	2,204.27	1,790.18	7.59	-0.73	0.115
115.00	-17.99	-4.34	0.00	-170.41	0.00	170.41	2,367.74	619.35	2,049.12	1,691.27	8.37	-0.77	0.108
120.00	-17.22	-4.22	0.00	-148.69	0.00	148.69	2,317.00	596.32	1,899.62	1,592.95	9.20	-0.81	0.101
125.00	-16.48	-4.10	0.00	-127.58	0.00	127.58	2,263.38	573.30	1,755.79	1,495.45	10.06	-0.85	0.093
130.00	-15.76	-4.00	0.00	-107.06	0.00	107.06	2,206.88	550.27	1,617.62	1,398.99	10.97	-0.89	0.084
133.42	-15.28	-3.94	0.00	-93.38	0.00	93.38	2,166.61	534.53	1,526.45	1,333.80	11.62	-0.91	0.077
135.00	-14.94	-3.89	0.00	-87.13	0.00	87.13	2,147.49	527.24	1,485.11	1,303.81	11.92	-0.92	0.074
138.00	-11.62	-3.18	0.00	-75.10	0.00	75.10	1,272.33	365.96	1,021.95	768.31	12.51	-0.94	0.107
140.00	-11.42	-3.10	0.00	-68.75	0.00	68.75	1,262.76	359.52	986.26	749.00	12.90	-0.96	0.101
145.00	-10.92	-3.00	0.00	-53.23	0.00	53.23	1,236.82	343.40	899.83	700.48	13.93	-0.99	0.085
150.00	-7.28	-1.97	0.00	-37.89	0.00	37.89	1,208.00	327.28	817.35	651.79	14.99	-1.03	0.064
155.00	-6.91	-1.86	0.00	-28.06	0.00	28.06	1,176.30	311.16	738.84	603.17	16.08	-1.06	0.052
160.00	-6.56	-1.78	0.00	-18.74	0.00	18.74	1,141.72	295.04	664.30	554.85	17.20	-1.08	0.040
163.00	-3.19	-1.01	0.00	-13.39	0.00	13.39	1,119.59	285.37	621.47	526.10	17.88	-1.09	0.028
165.00	-3.07	-0.95	0.00	-11.37	0.00	11.37	1,104.26	278.92	593.72	507.06	18.34	-1.10	0.025
169.00	-2.52	-0.80	0.00	-7.55	0.00	7.55	1,072.22	266.03	540.10	469.37	19.27	-1.11	0.018

Site Number:	302465	Code: ANSI/TIA-222-H	
Site Name:	Colchester CT 6, CT	Engineering Number: 13668833_C3_02	5/5/2021 10:18:19 AM
Customer:	VERIZON WIRELESS		

Load Case: 1.0D + 1.0W — Serviceability 60 mph — 24 Iterations

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

170.00	-2.46	-0.77	0.00	-6.76	0.00	6.76	1,063.92	262.80	527.10	460.03	19.50	-1.11	0.017
172.00	-2.29	-0.69	0.00	-5.21	0.00	5.21	1,046.98	256.35	501.56	441.49	19.97	-1.11	0.014
175.00	-2.12	-0.63	0.00	-3.13	0.00	3.13	1,020.70	246.68	464.44	414.00	20.67	-1.12	0.010
180.00	0.00	-0.58	0.00	0.00	0.00	0.00	968.36	230.56	405.75	366.83	21.84	-1.12	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}):	0.22	
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.09	
Seismic Response Coefficient (C_s):	0.03	
Upper Limit C_s	0.03	
Lower Limit C_s	0.03	
Period based on Rayleigh Method (sec):	2.49	
Redundancy Factor (p):	1.00	
Seismic Force Distribution Exponent (k):	2.00	
Total Unfactored Dead Load:	49.12	k
Seismic Base Shear (E):	1.47	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)
45	177.50	276	8,529	0.017	24	343
44	173.50	173	5,111	0.010	15	215
43	171.00	119	3,412	0.007	10	148
42	169.50	60	1,703	0.003	5	75
41	167.00	248	6,783	0.013	19	308
40	164.00	128	3,370	0.007	10	159
39	161.50	204	5,222	0.010	15	254
38	157.50	353	8,583	0.017	25	438
37	152.50	368	8,404	0.016	24	458
36	147.50	484	10,343	0.020	30	602
35	142.50	500	9,967	0.019	28	622
34	139.00	206	3,908	0.008	11	256
33	136.50	624	11,410	0.022	33	776
32	134.21	335	5,919	0.011	17	416
31	131.71	479	8,165	0.016	23	596
30	127.50	720	11,498	0.022	33	896
29	122.50	742	10,945	0.021	31	923
28	117.50	765	10,374	0.020	30	951
27	112.50	787	9,789	0.019	28	979
26	107.50	809	9,193	0.018	26	1,007
25	102.50	832	8,590	0.017	25	1,034
24	97.50	854	7,982	0.015	23	1,062
23	94.50	173	1,523	0.003	4	216
22	92.00	1,367	11,375	0.022	32	1,700
21	89.04	666	5,193	0.010	15	828

20	86.54	638	4,699	0.009	13	793
19	82.50	1,056	7,071	0.014	20	1,313
18	77.50	1,083	6,400	0.012	18	1,347
17	72.50	1,110	5,741	0.011	16	1,380
16	67.50	1,136	5,098	0.010	15	1,413
15	62.50	1,163	4,475	0.009	13	1,447
14	57.50	1,190	3,876	0.008	11	1,480
13	53.00	971	2,688	0.005	8	1,208
12	50.50	487	1,224	0.002	3	606
11	47.50	2,470	5,494	0.011	16	3,072
10	44.42	585	1,137	0.002	3	727
9	41.92	1,102	1,909	0.004	5	1,370
8	37.50	1,465	2,032	0.004	6	1,822
7	32.50	1,496	1,560	0.003	4	1,860
6	27.50	1,527	1,141	0.002	3	1,899
5	22.50	1,558	780	0.002	2	1,938
4	17.50	1,590	482	0.001	1	1,977
3	12.50	1,621	251	0.000	1	2,016
2	7.50	1,652	92	0.000	0	2,055
1	2.50	1,683	10	0.000	0	2,094
Alcatel-Lucent RRH2x	180.00	317	10,088	0.020	29	395
Alcatel-Lucent 1900	180.00	180	5,721	0.011	16	224
Alcatel-Lucent TD-RR	180.00	210	6,674	0.013	19	261
RFS APXVTM14-ALU-I20	180.00	169	5,359	0.010	15	210
Round T-Arm	180.00	750	23,837	0.046	68	933
Commscope NNVV-65B-R	180.00	232	7,380	0.014	21	289
Generic 6' Omni	172.00	50	1,451	0.003	4	62
Round Side Arm	169.00	300	8,407	0.016	24	373
Commscope CBC78T-DS-	163.00	62	1,619	0.003	5	77
Samsung B5/B13 RRH-B	163.00	211	5,499	0.011	16	262
Samsung B2/B66A RRH-	163.00	253	6,602	0.013	19	315
RFS DB-B1-6C-12AB-0Z	163.00	43	1,116	0.002	3	53
Samsung MT6407-77A	163.00	245	6,383	0.012	18	304
Commscope JAHH-65B-R	163.00	364	9,480	0.018	27	452
Round Platform w/ Ha	163.00	2,000	52,146	0.101	149	2,487
LGP Allgon LGP21903	150.00	33	729	0.001	2	41
Powerwave Allgon LGP	150.00	85	1,869	0.004	5	105
Raycap DC6-48-60-18-	150.00	40	883	0.002	3	50
Ericsson Radio 8843	150.00	216	4,764	0.009	14	268
Ericsson RRUS 4449 B	150.00	213	4,704	0.009	13	265
Powerwave Allgon 777	150.00	105	2,319	0.004	7	131
CCI HPA65R-BU6A	150.00	42	925	0.002	3	52
CCI HPA65R-BU8A	150.00	108	2,385	0.005	7	134
Kathrein Scala 80010	150.00	98	2,156	0.004	6	121
Kathrein Scala 80010	150.00	229	5,062	0.010	14	285
Round Platform w/ Ha	150.00	2,000	44,173	0.086	126	2,487
Ericsson RRUS 11 B2	138.00	152	2,844	0.006	8	189
Ericsson RRUS 11 B4	138.00	152	2,844	0.006	8	189
Ericsson RRUS 11 B12	138.00	152	2,844	0.006	8	189
RFS APX16DWV-16DWVS-	138.00	122	2,283	0.004	7	152
Commscope LNX-6515DS	138.00	131	2,452	0.005	7	163
Round Platform w/ Ha	138.00	2,000	37,400	0.073	107	2,487
		49,118	515,852	1.000	1,474	61,089

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)
45	177.50	276	8,529	0.017	24	236
44	173.50	173	5,111	0.010	15	148
43	171.00	119	3,412	0.007	10	102

42	169.50	60	1,703	0.003	5	52
41	167.00	248	6,783	0.013	19	212
40	164.00	128	3,370	0.007	10	109
39	161.50	204	5,222	0.010	15	175
38	157.50	353	8,583	0.017	25	302
37	152.50	368	8,404	0.016	24	315
36	147.50	484	10,343	0.020	30	415
35	142.50	500	9,967	0.019	28	428
34	139.00	206	3,908	0.008	11	176
33	136.50	624	11,410	0.022	33	534
32	134.21	335	5,919	0.011	17	287
31	131.71	479	8,165	0.016	23	410
30	127.50	720	11,498	0.022	33	617
29	122.50	742	10,945	0.021	31	636
28	117.50	765	10,374	0.020	30	655
27	112.50	787	9,789	0.019	28	674
26	107.50	809	9,193	0.018	26	693
25	102.50	832	8,590	0.017	25	712
24	97.50	854	7,982	0.015	23	731
23	94.50	173	1,523	0.003	4	149
22	92.00	1,367	11,375	0.022	32	1,170
21	89.04	666	5,193	0.010	15	570
20	86.54	638	4,699	0.009	13	546
19	82.50	1,056	7,071	0.014	20	904
18	77.50	1,083	6,400	0.012	18	927
17	72.50	1,110	5,741	0.011	16	950
16	67.50	1,136	5,098	0.010	15	973
15	62.50	1,163	4,475	0.009	13	996
14	57.50	1,190	3,876	0.008	11	1,019
13	53.00	971	2,688	0.005	8	832
12	50.50	487	1,224	0.002	3	417
11	47.50	2,470	5,494	0.011	16	2,115
10	44.42	585	1,137	0.002	3	501
9	41.92	1,102	1,909	0.004	5	943
8	37.50	1,465	2,032	0.004	6	1,254
7	32.50	1,496	1,560	0.003	4	1,281
6	27.50	1,527	1,141	0.002	3	1,308
5	22.50	1,558	780	0.002	2	1,334
4	17.50	1,590	482	0.001	1	1,361
3	12.50	1,621	251	0.000	1	1,388
2	7.50	1,652	92	0.000	0	1,415
1	2.50	1,683	10	0.000	0	1,441
Alcatel-Lucent RRH2x	180.00	317	10,088	0.020	29	272
Alcatel-Lucent 1900	180.00	180	5,721	0.011	16	154
Alcatel-Lucent TD-RR	180.00	210	6,674	0.013	19	180
RFS APXVTM14-ALU-I20	180.00	169	5,359	0.010	15	144
Round T-Arm	180.00	750	23,837	0.046	68	642
Commscope NNVV-65B-R	180.00	232	7,380	0.014	21	199
Generic 6' Omni	172.00	50	1,451	0.003	4	43
Round Side Arm	169.00	300	8,407	0.016	24	257
Commscope CBC78T-DS-	163.00	62	1,619	0.003	5	53
Samsung B5/B13 RRH-B	163.00	211	5,499	0.011	16	181
Samsung B2/B66A RRH-	163.00	253	6,602	0.013	19	217
RFS DB-B1-6C-12AB-0Z	163.00	43	1,116	0.002	3	37
Samsung MT6407-77A	163.00	245	6,383	0.012	18	210
Commscope JAHH-65B-R	163.00	364	9,480	0.018	27	311
Round Platform w/ Ha	163.00	2,000	52,146	0.101	149	1,713
LGP Allgon LGP21903	150.00	33	729	0.001	2	28
Powerwave Allgon LGP	150.00	85	1,869	0.004	5	72
Raycap DC6-48-60-18-	150.00	40	883	0.002	3	34
Ericsson Radio 8843	150.00	216	4,764	0.009	14	185
Ericsson RRUS 4449 B	150.00	213	4,704	0.009	13	182
Powerwave Allgon 777	150.00	105	2,319	0.004	7	90
CCI HPA65R-BU6A	150.00	42	925	0.002	3	36

CCI HPA65R-BU8A	150.00	108	2,385	0.005	7	92
Kathrein Scala 80010	150.00	98	2,156	0.004	6	84
Kathrein Scala 80010	150.00	229	5,062	0.010	14	196
Round Platform w/ Ha	150.00	2,000	44,173	0.086	126	1,713
Ericsson RRUS 11 B2	138.00	152	2,844	0.006	8	130
Ericsson RRUS 11 B4	138.00	152	2,844	0.006	8	130
Ericsson RRUS 11 B12	138.00	152	2,844	0.006	8	130
RFS APX16DWV-16DWVS-	138.00	122	2,283	0.004	7	105
Commscope LNX-6515DS	138.00	131	2,452	0.005	7	112
Round Platform w/ Ha	138.00	2,000	37,400	0.073	107	1,713
		49,118	515,852	1.000	1,474	42,058

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	-59.00	-1.48	0.00	-212.25	0.00	212.25	5,229.17	1,571.49	9,421.69	6,783.18	0.00	0.00	0.043
5.00	-56.94	-1.48	0.00	-204.86	0.00	204.86	5,190.65	1,539.25	9,039.18	6,594.14	0.00	-0.01	0.042
10.00	-54.92	-1.49	0.00	-197.45	0.00	197.45	5,149.25	1,507.01	8,664.60	6,403.58	0.01	-0.01	0.042
15.00	-52.95	-1.49	0.00	-190.01	0.00	190.01	5,104.97	1,474.78	8,297.94	6,211.74	0.03	-0.02	0.041
20.00	-51.01	-1.50	0.00	-182.55	0.00	182.55	5,057.81	1,442.54	7,939.21	6,018.84	0.06	-0.03	0.040
25.00	-49.11	-1.50	0.00	-175.08	0.00	175.08	5,007.77	1,410.30	7,588.41	5,825.12	0.09	-0.03	0.040
30.00	-47.25	-1.50	0.00	-167.59	0.00	167.59	4,954.85	1,378.06	7,245.53	5,630.81	0.13	-0.04	0.039
35.00	-45.43	-1.50	0.00	-160.10	0.00	160.10	4,899.05	1,345.82	6,910.58	5,436.14	0.17	-0.05	0.039
40.00	-44.06	-1.50	0.00	-152.62	0.00	152.62	4,840.37	1,313.58	6,583.55	5,241.34	0.23	-0.06	0.038
43.83	-43.33	-1.49	0.00	-146.89	0.00	146.89	4,793.44	1,288.87	6,338.20	5,092.05	0.28	-0.06	0.038
45.00	-40.26	-1.48	0.00	-145.15	0.00	145.15	4,778.81	1,281.34	6,264.45	5,046.65	0.29	-0.06	0.037
50.00	-39.65	-1.48	0.00	-137.76	0.00	137.76	4,714.38	1,249.11	5,953.28	4,852.29	0.36	-0.07	0.037
51.00	-38.44	-1.47	0.00	-136.28	0.00	136.28	3,748.95	1,082.35	5,214.40	3,905.86	0.38	-0.07	0.045
55.00	-36.96	-1.46	0.00	-130.39	0.00	130.39	3,716.58	1,060.25	5,003.62	3,792.47	0.44	-0.08	0.044
60.00	-35.52	-1.45	0.00	-123.08	0.00	123.08	3,673.53	1,032.61	4,746.27	3,650.12	0.53	-0.09	0.043
65.00	-34.10	-1.44	0.00	-115.81	0.00	115.81	3,627.60	1,004.98	4,495.71	3,507.29	0.63	-0.10	0.042
70.00	-32.72	-1.43	0.00	-108.59	0.00	108.59	3,578.79	977.35	4,251.95	3,364.21	0.74	-0.11	0.041
75.00	-31.38	-1.41	0.00	-101.44	0.00	101.44	3,527.09	949.72	4,014.98	3,221.11	0.86	-0.12	0.040
80.00	-30.06	-1.40	0.00	-94.37	0.00	94.37	3,472.52	922.08	3,784.80	3,078.24	0.99	-0.13	0.039
85.00	-29.27	-1.39	0.00	-87.39	0.00	87.39	3,415.07	894.45	3,561.42	2,935.81	1.13	-0.14	0.038
88.08	-28.44	-1.37	0.00	-83.12	0.00	83.12	3,378.20	877.41	3,427.05	2,848.31	1.22	-0.15	0.038
90.00	-26.74	-1.34	0.00	-80.49	0.00	80.49	3,354.74	866.82	3,344.83	2,794.06	1.28	-0.15	0.037
94.00	-26.52	-1.33	0.00	-75.14	0.00	75.14	2,549.41	716.07	2,738.82	2,107.92	1.41	-0.16	0.046
95.00	-25.46	-1.31	0.00	-73.81	0.00	73.81	2,541.91	711.46	2,703.72	2,088.10	1.45	-0.16	0.045
100.00	-24.43	-1.29	0.00	-67.25	0.00	67.25	2,502.69	688.43	2,531.57	1,988.82	1.62	-0.17	0.044
105.00	-23.42	-1.27	0.00	-60.80	0.00	60.80	2,460.58	665.41	2,365.09	1,889.44	1.81	-0.18	0.042
110.00	-22.44	-1.24	0.00	-54.47	0.00	54.47	2,415.60	642.38	2,204.27	1,790.18	2.01	-0.20	0.040
115.00	-21.49	-1.21	0.00	-48.28	0.00	48.28	2,367.74	619.35	2,049.12	1,691.27	2.22	-0.21	0.038
120.00	-20.57	-1.18	0.00	-42.23	0.00	42.23	2,317.00	596.32	1,899.62	1,592.95	2.44	-0.22	0.035
125.00	-19.67	-1.15	0.00	-36.33	0.00	36.33	2,263.38	573.30	1,755.79	1,495.45	2.68	-0.23	0.033
130.00	-19.07	-1.12	0.00	-30.60	0.00	30.60	2,206.88	550.27	1,617.62	1,398.99	2.93	-0.24	0.031
133.42	-18.66	-1.11	0.00	-26.76	0.00	26.76	2,166.61	534.53	1,526.45	1,333.80	3.10	-0.25	0.029
135.00	-17.88	-1.07	0.00	-25.00	0.00	25.00	2,147.49	527.24	1,485.11	1,303.81	3.19	-0.25	0.028
138.00	-14.26	-0.90	0.00	-21.79	0.00	21.79	1,272.33	365.96	1,021.95	768.31	3.35	-0.26	0.040
140.00	-13.64	-0.87	0.00	-19.98	0.00	19.98	1,262.76	359.52	986.26	749.00	3.46	-0.26	0.037
145.00	-13.03	-0.84	0.00	-15.62	0.00	15.62	1,236.82	343.40	899.83	700.48	3.74	-0.27	0.033
150.00	-8.64	-0.60	0.00	-11.41	0.00	11.41	1,208.00	327.28	817.35	651.79	4.03	-0.28	0.025
155.00	-8.20	-0.57	0.00	-8.41	0.00	8.41	1,176.30	311.16	738.84	603.17	4.33	-0.29	0.021
160.00	-7.94	-0.56	0.00	-5.55	0.00	5.55	1,141.72	295.04	664.30	554.85	4.64	-0.30	0.017
163.00	-3.83	-0.29	0.00	-3.88	0.00	3.88	1,119.59	285.37	621.47	526.10	4.83	-0.30	0.011
165.00	-3.53	-0.27	0.00	-3.30	0.00	3.30	1,104.26	278.92	593.72	507.06	4.96	-0.30	0.010
169.00	-3.08	-0.24	0.00	-2.22	0.00	2.22	1,072.22	266.03	540.10	469.37	5.21	-0.31	0.008
170.00	-2.93	-0.23	0.00	-1.98	0.00	1.98	1,063.92	262.80	527.10	460.03	5.28	-0.31	0.007
172.00	-2.65	-0.21	0.00	-1.53	0.00	1.53	1,046.98	256.35	501.56	441.49	5.41	-0.31	0.006
175.00	-2.31	-0.18	0.00	-0.91	0.00	0.91	1,020.70	246.68	464.44	414.00	5.60	-0.31	0.004
180.00	0.00	-0.17	0.00	0.00	0.00	0.00	968.36	230.56	405.75	366.83	5.92	-0.31	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	-40.62	-1.47	0.00	-209.09	0.00	209.09	5,229.17	1,571.49	9,421.69	6,783.18	0.00	0.00	0.039
5.00	-39.20	-1.48	0.00	-201.72	0.00	201.72	5,190.65	1,539.25	9,039.18	6,594.14	0.00	-0.01	0.038
10.00	-37.81	-1.48	0.00	-194.33	0.00	194.33	5,149.25	1,507.01	8,664.60	6,403.58	0.01	-0.01	0.038
15.00	-36.45	-1.48	0.00	-186.92	0.00	186.92	5,104.97	1,474.78	8,297.94	6,211.74	0.03	-0.02	0.037
20.00	-35.12	-1.49	0.00	-179.50	0.00	179.50	5,057.81	1,442.54	7,939.21	6,018.84	0.05	-0.03	0.037
25.00	-33.81	-1.49	0.00	-172.07	0.00	172.07	5,007.77	1,410.30	7,588.41	5,825.12	0.09	-0.03	0.036
30.00	-32.53	-1.48	0.00	-164.64	0.00	164.64	4,954.85	1,378.06	7,245.53	5,630.81	0.12	-0.04	0.036
35.00	-31.27	-1.48	0.00	-157.22	0.00	157.22	4,899.05	1,345.82	6,910.58	5,436.14	0.17	-0.05	0.035
40.00	-30.33	-1.48	0.00	-149.81	0.00	149.81	4,840.37	1,313.58	6,583.55	5,241.34	0.23	-0.06	0.035
43.83	-29.83	-1.48	0.00	-144.14	0.00	144.14	4,793.44	1,288.87	6,338.20	5,092.05	0.27	-0.06	0.035
45.00	-27.72	-1.46	0.00	-142.41	0.00	142.41	4,778.81	1,281.34	6,264.45	5,046.65	0.29	-0.06	0.034
50.00	-27.30	-1.46	0.00	-135.10	0.00	135.10	4,714.38	1,249.11	5,953.28	4,852.29	0.36	-0.07	0.034
51.00	-26.47	-1.45	0.00	-133.64	0.00	133.64	3,748.95	1,082.35	5,214.40	3,905.86	0.37	-0.07	0.041
55.00	-25.45	-1.44	0.00	-127.83	0.00	127.83	3,716.58	1,060.25	5,003.62	3,792.47	0.44	-0.08	0.041
60.00	-24.45	-1.43	0.00	-120.61	0.00	120.61	3,673.53	1,032.61	4,746.27	3,650.12	0.52	-0.09	0.040
65.00	-23.48	-1.42	0.00	-113.44	0.00	113.44	3,627.60	1,004.98	4,495.71	3,507.29	0.62	-0.10	0.039
70.00	-22.53	-1.41	0.00	-106.33	0.00	106.33	3,578.79	977.35	4,251.95	3,364.21	0.73	-0.11	0.038
75.00	-21.60	-1.39	0.00	-99.29	0.00	99.29	3,527.09	949.72	4,014.98	3,221.11	0.85	-0.12	0.037
80.00	-20.70	-1.37	0.00	-92.34	0.00	92.34	3,472.52	922.08	3,784.80	3,078.24	0.97	-0.13	0.036
85.00	-20.15	-1.36	0.00	-85.47	0.00	85.47	3,415.07	894.45	3,561.42	2,935.81	1.11	-0.14	0.035
88.08	-19.58	-1.35	0.00	-81.28	0.00	81.28	3,378.20	877.41	3,427.05	2,848.31	1.20	-0.14	0.034
90.00	-18.41	-1.31	0.00	-78.70	0.00	78.70	3,354.74	866.82	3,344.83	2,794.06	1.26	-0.15	0.034
94.00	-18.26	-1.31	0.00	-73.44	0.00	73.44	2,549.41	716.07	2,738.82	2,107.92	1.39	-0.16	0.042
95.00	-17.53	-1.29	0.00	-72.13	0.00	72.13	2,541.91	711.46	2,703.72	2,088.10	1.42	-0.16	0.041
100.00	-16.82	-1.26	0.00	-65.70	0.00	65.70	2,502.69	688.43	2,531.57	1,988.82	1.59	-0.17	0.040
105.00	-16.12	-1.24	0.00	-59.38	0.00	59.38	2,460.58	665.41	2,365.09	1,889.44	1.78	-0.18	0.038
110.00	-15.45	-1.21	0.00	-53.18	0.00	53.18	2,415.60	642.38	2,204.27	1,790.18	1.97	-0.19	0.036
115.00	-14.79	-1.18	0.00	-47.12	0.00	47.12	2,367.74	619.35	2,049.12	1,691.27	2.18	-0.20	0.034
120.00	-14.16	-1.15	0.00	-41.21	0.00	41.21	2,317.00	596.32	1,899.62	1,592.95	2.40	-0.22	0.032
125.00	-13.54	-1.12	0.00	-35.45	0.00	35.45	2,263.38	573.30	1,755.79	1,495.45	2.63	-0.23	0.030
130.00	-13.13	-1.10	0.00	-29.85	0.00	29.85	2,206.88	550.27	1,617.62	1,398.99	2.87	-0.24	0.027
133.42	-12.84	-1.08	0.00	-26.10	0.00	26.10	2,166.61	534.53	1,526.45	1,333.80	3.04	-0.24	0.026
135.00	-12.31	-1.05	0.00	-24.39	0.00	24.39	2,147.49	527.24	1,485.11	1,303.81	3.13	-0.25	0.024
138.00	-9.81	-0.88	0.00	-21.25	0.00	21.25	1,272.33	365.96	1,021.95	768.31	3.28	-0.25	0.035
140.00	-9.39	-0.85	0.00	-19.49	0.00	19.49	1,262.76	359.52	986.26	749.00	3.39	-0.26	0.033
145.00	-8.97	-0.82	0.00	-15.24	0.00	15.24	1,236.82	343.40	899.83	700.48	3.66	-0.27	0.029
150.00	-5.94	-0.58	0.00	-11.13	0.00	11.13	1,208.00	327.28	817.35	651.79	3.95	-0.28	0.022
155.00	-5.64	-0.56	0.00	-8.21	0.00	8.21	1,176.30	311.16	738.84	603.17	4.25	-0.29	0.018
160.00	-5.47	-0.54	0.00	-5.42	0.00	5.42	1,141.72	295.04	664.30	554.85	4.55	-0.29	0.015
163.00	-2.64	-0.28	0.00	-3.79	0.00	3.79	1,119.59	285.37	621.47	526.10	4.73	-0.30	0.010
165.00	-2.43	-0.26	0.00	-3.22	0.00	3.22	1,104.26	278.92	593.72	507.06	4.86	-0.30	0.009
169.00	-2.12	-0.23	0.00	-2.17	0.00	2.17	1,072.22	266.03	540.10	469.37	5.11	-0.30	0.007
170.00	-2.02	-0.22	0.00	-1.94	0.00	1.94	1,063.92	262.80	527.10	460.03	5.17	-0.30	0.006
172.00	-1.83	-0.20	0.00	-1.49	0.00	1.49	1,046.98	256.35	501.56	441.49	5.30	-0.30	0.005
175.00	-1.59	-0.18	0.00	-0.89	0.00	0.89	1,020.70	246.68	464.44	414.00	5.49	-0.30	0.004
180.00	0.00	-0.17	0.00	0.00	0.00	0.00	968.36	230.56	405.75	366.83	5.81	-0.30	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	33.92	0.00	58.90	0.00	0.00	3954.47	51.00	0.61
0.9D + 1.0W	33.91	0.00	44.17	0.00	0.00	3912.13	51.00	0.60
1.2D + 1.0Di + 1.0Wi	7.62	0.00	76.03	0.00	0.00	910.63	51.00	0.15
1.2D + 1.0Ev + 1.0Eh	1.48	0.00	59.00	0.00	0.00	212.25	94.00	0.05
0.9D - 1.0Ev + 1.0Eh	1.47	0.00	40.62	0.00	0.00	209.09	94.00	0.04
1.0D + 1.0W	7.34	0.00	49.12	0.00	0.00	850.37	51.00	0.14

Base Plate & Anchor Rod Analysis

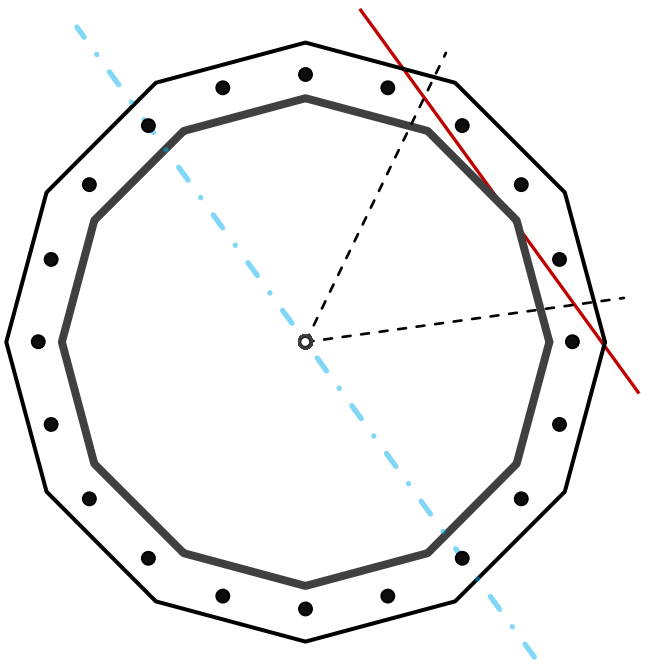
Pole Dimensions		
Number of Sides	12	-
Diameter	64	in
Thickness	7/16	in
Orientation Offset	0	°

Base Reactions		
Moment, Mu	3,954.5	k-ft
Axial, Pu	58.9	k
Shear, Vu	33.9	k
Neutral Axis	306	°

Report Capacities		
Component	Capacity	Result
Base Plate	25%	Pass
Anchor Rods	57%	Pass
Dwyidag	-	-

Base Plate		
Number of Sides	12	-
Diameter, ø	78.76	in
Thickness	2 1/2	in
Grade	A871-60	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Clip	N/A	in
Orientation Offset	0	°
Anchor Rod Detail	d	η=0.5
Clear Distance	6	in
Applied Moment, Mu	800.2	k
Bending Stress, ϕMn	3239.4	k

Original Anchor Rods		
Arrangement	Radial	-
Quantity	20	-
Diameter, ø	2 1/4	in
Bolt Circle	72.76	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	11.4	in
Orientation Offset	0	°
Applied Force, Pu	137.7	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	33.9	3954.5	1.00
Anchor Rod Forces	33.9	3954.5	1.00
Additional Bolt (Grp1) Forces	0.0	0.0	0.00
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	0.0	0.00
Stiffener Forces	0.0	0.0	0.00

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in^2	in^2	in^4	#	in^4
Pole	86.3687	7.1974	0.4608		43623.80
Bolt	3.9761	3.2477	0.8393	4.5	40239.81
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	12	-
Width, W	78.76	in
Thickness, t	2.5	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Base Plate Chord	45.904	in
Detail Type	d	-
Detail Factor	0.50	-
Clear Distance	6	-

Anchor Rods		
Anchor Rod Quantity, N	20	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	72.76	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	137.7	k
Applied Shear, Vu	0.8	k
Compressive Capacity, ϕPn	243.6	k
Tensile Capacity, ϕRnt	0.565	OK
Interaction Capacity	0.345	OK

External Base Plate		
Chord Length AA	47.258	in
Additional AA	5.000	in
Section Modulus, Z	81.654	in^3
Applied Moment, Mu	800.2	k-ft
Bending Capacity, ϕMn	4409.3	k-ft
Capacity, Mu/ϕMn	0.181	OK
Chord Length AB	44.996	in
Additional AB	5.000	in
Section Modulus, Z	78.119	in^3
Applied Moment, Mu	347.8	k-ft
Bending Capacity, ϕMn	4218.4	k-ft
Capacity, Mu/ϕMn	0.082	OK
Bend Line Length	38.393	in
Additional Bend Line	0.000	in
Section Modulus, Z	59.989	in^3
Applied Moment, Mu	800.2	k-ft
Bending Capacity, ϕMn	3239.4	k-ft
Capacity, Mu/ϕMn	0.247	OK

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

Site Name: Colchester CT6, CT
Site Number: 302465
Tower Type: MP
Design Loads (Factored) - Analysis per TIA-222-H Standards

Monolithic Mat & Pier Foundation Analysis

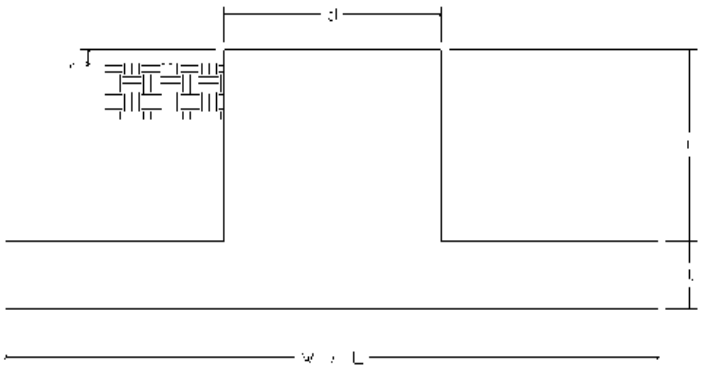
Foundation Analysis Parameters		
Design / Analysis / Mapping:	Analysis	-
Compression/Leg:	58.9	k
Uplift/Leg:	0.0	k
Total Shear:	33.9	k
Moment:	3,954.5	k-ft
Tower + Appurtenance Weight:	58.9	k
Depth to Base of Foundation (l + t - h):	8.5	ft
Diameter of Pier (d):	7	ft
Length of Pier (l):	5.5	ft
Height of Pier above Ground (h):	0.5	ft
Width of Pad (W):	25	ft
Length of Pad (L):	25	ft
Thickness of Pad (t):	3.5	ft
Tower Leg Center to Center:	0	ft
Number of Tower Legs:	1	-
Tower Center from Mat Center:	0	ft
Depth Below Ground Surface to Water Table:	10	ft
Unit Weight of Concrete:	150	pcf
Unit Weight of Soil Above Water Table:	110	pcf
Unit Weight of Water:	62.4	pcf
Unit Weight of Soil Below Water Table:	47.6	pcf
Friction Angle of Uplift:	15	°
Coefficient of Shear Friction:	0.3	-
Ultimate Compressive Bearing Pressure:	10,000	psf
Ultimate Passive Pressure on Pad Face:	100	psf
$f_{Soil\ and\ Concrete\ Weight}$:	0.9	-
f_{Soil}:	0.75	-

Foundation Steel Parameters		
Shear/Leg (Compression):	22.6	k
Shear/Leg (Uplift):	18.7	k
Concrete Strength (f'_c):	4,000	psi
Pad Tension Steel Depth:	38.31	in
Dead Load Factor:	0.9	-
f_{Shear}:	0.75	-
$f_{Flexure\ /\ Tension}$:	0.9	-
$f_{Compression:}$	0.65	-
b:	0.85	-
Bottom Pad Rebar Size #:	11	-
# of Bottom Pad Rebar:	30	-
Pad Bottom Steel Area:	46.80	in^2
Pad Steel F_y:	60,000	psi
Top Pad Rebar Size #:	11	-
# of Top Pad Rebar:	30	-
Pad Top Steel Area:	46.80	in^2
Pier Rebar Size #:	11	-
Pier Steel Area (Single Bar):	1.56	in^2
# of Pier Rebar:	30	-
Pier Steel F_y:	60,000	psi
Pier Cage Diameter:	75.4	in
Rebar Strain Limit:	0.008	-
Steel Elastic Modulus:	29,000	ksi
Tie Rebar Size #:	5	-
Tie Steel Area (Single Bar):	0.31	in^2
Tie Spacing:	12	in
Tie Steel F_y:	60,000	psi
Clear Cover:	3	in

Overturning Moment Usage		
Design OTM:	4259.8	k-ft
OTM Resistance:	8697.5	k-ft
Design OTM / OTM Resistance:	49%	Pass

Soil Bearing Pressure Usage		
Net Bearing Pressure:	4135	psf
Factored Nominal Bearing Pressure:	7500	psf
Factored Nominal (Net) Bearing Pressure:	55%	Pass
Load Direction Controling Design Bearing Pressure:	*Diagonal to Pad Edge*	

Sliding Factor of Safety		
Ultimate Friction Resistance:	219.5	k
Ultimate Passive Pressure Resistance:	6.6	k
Total Factored Sliding Resistance:	169.5	k
Sliding Design / Sliding Resistance:	20%	Pass



Pad Strength Capacity			
Factored One Way Shear (V_u):	305.2	k	
One Way Shear Capacity (fV_c):	958.2	k	*ACI 318-14 25.5.5.1*
V_u / fV_c:	32%	Pass	
Load Direction Controling Shear Capacity:	*Diagonal to Pad Edge*		
Lower Steel Pad Factored Moment (M_u):	2295.9	k-ft	
Lower Steel Pad Moment Capacity (fM_n):	7822.2	k-ft	*ACI 318-14 22.3.1.1*
M_u / fM_n:	29%	Pass	
Load Direction Controling Flexural Capacity:	*Parallel to Pad Edge*		
Upper Steel Pad Factored Moment (M_u):	1077.3	k-ft	
Upper Steel Pad Moment Capacity (fM_n):	7822.2	k-ft	
M_u / fM_n:	14%	Pass	
Lower Pad Flexural Reinforcement Ratio:	0.0041		*OK - ACI 318-14 7.6.1.1 & 8.6.1.1*
Upper Pad Flexural Reinforcement Ratio:	0.0041		*OK - ACI 318-14 7.6.1.1 & 8.6.1.1*
Pad Shrinkage Reinforcement Ratio:	0.0081		*OK - ACI 318-14 24.4.3.2*
Lower Pad Reinforcement Spacing:	10.1	in	*OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3*
Upper Pad Reinforcement Spacing:	10.1	in	*OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3*
Ultimate Punching Shear Stress, v_u:	31.57	psi	*ACI 318-14 R8.4.4.2.3*
Nominal Punching Shear Capacity (f_cv_c):	189.7	psi	*ACI 318-14 22.6.5.2*
v_u / f_cv_c:	17%	Pass	
Pier Moment Pad Flexure Transfer Ratio, γ_f:	0.60		*TIA-222-H 9.4.2*
Moment Transfer Effective Flexural Width, B_{eff}:	17.50	ft	*TIA-222-H 9.4.2*
Moment Transfer Through Pad Flexure:	29815.42	k-in	*TIA-222-H 9.4.2*
Moment Transfer Flexural Capacity ($fM_{sc,f}$):	68015.48	k-in	
g_fM_{sc} / $fM_{sc,f}$:	0%	Pass	

Pier Strength Capacity			
Factored Moment in Pier (M_u):	4141.0	k-ft	
Pier Moment Capacity (fM_n):	7768.3	k-ft	
M_u / fM_n:	53%	Pass	
Factored Shear in Pier (V_u):	33.9	k	
Pier Shear Capacity (fV_n):	684.8	k	*ACI 318-14 22.5.1.1*
V_u / fV_c:	5%	Pass	
Pier Shear Reinforcement Ratio:	0.0007		*OK - No Ties Necessary for Shear - ACI11.5.6.1*
Factored Tension in Pier (T_u):	0.0	k	
Pier Tension Capacity (fT_n):	2527.2	k	
T_u / fT_n:	0%	Pass	
Factored Compression in Pier (P_u):	58.9	k	
Pier Compression Capacity (fP_n):	9763.8	k	*ACI 318-14 22.4.2.1*
P_u / fP_n:	1%	Pass	
Pier Compression Reinforcement Ratio:	0.008		*OK - TIA-222-H 9.4.1*
Minimum Depth to Develop Vertical Rebar:	54	in	*ACI 318-14 25.4.2.3*
Minimum Hook Development Length:	27	in	*ACI 318-14 25.4.3.1*
Minimum Mat Thickness / Edge Distance from Pier:	30.0	in	
Minimum Foundation Depth:	7.27	ft	
$M_u/f_BM_n + T_u/f_TT_n$:	53%	Pass	

Maser Consulting Connecticut
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Mt. Laurel, NJ 08054
856.797.0412
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Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10069083
Maser Consulting Connecticut Project #: 21777428A

June 11, 2021

Site Information	*Site ID:*	*468035-VZW / COLCHESTER S 2 CT - ATC monopole*
	Site Name:	*COLCHESTER S 2 CT - ATC monopole*
	Carrier Name:	*Verizon Wireless*
	Address:	*355 Route 85 Colchester, Connecticut 06415 New London County*
	Latitude:	*41.54482028°*
	Longitude:	*-72.30489083°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*12.58-Ft Platform*

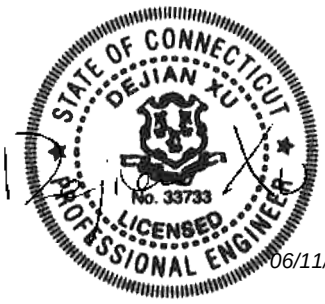
FUZE ID # 16272107

Analysis Results

Platform: **89.8% 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



06/11/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 1930401, dated March 16, 2021*
Mount Mapping Report	*RKS Design & Engineering LLC., Site ID: ATC:302465, dated March 27, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project # 21777428A, dated May 5, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project # 21777428A, dated June 11, 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:	0.980
Seismic Parameters:	S_S:	0.205
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
161.75	163.00	3	Commscope	CBC78T-DS-43-2X	Added
		3	Samsung	MT6407-77A	
		6	Commscope	JAHH-65B-R3B	Retained
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	Raycap	RRFDC-3315-PF-48	

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Arm	23.2 %	Pass
Standoff Horizontal	89.8 %	Pass
Platform Support	80.7 %	Pass
Platform Angle	44.2 %	Pass
Face Horizontal	11.6 %	Pass
Support Rail	29.5 %	Pass
Antenna pipe	21.2 %	Pass
Corner Angle	39.2 %	Pass
Support rail corner	1.8 %	Pass
Mod SFS kit	6.4 %	Pass
Connection Check	81.3 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**89.8%**

Recommendation:

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

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

Attachments:

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


03/27/2021

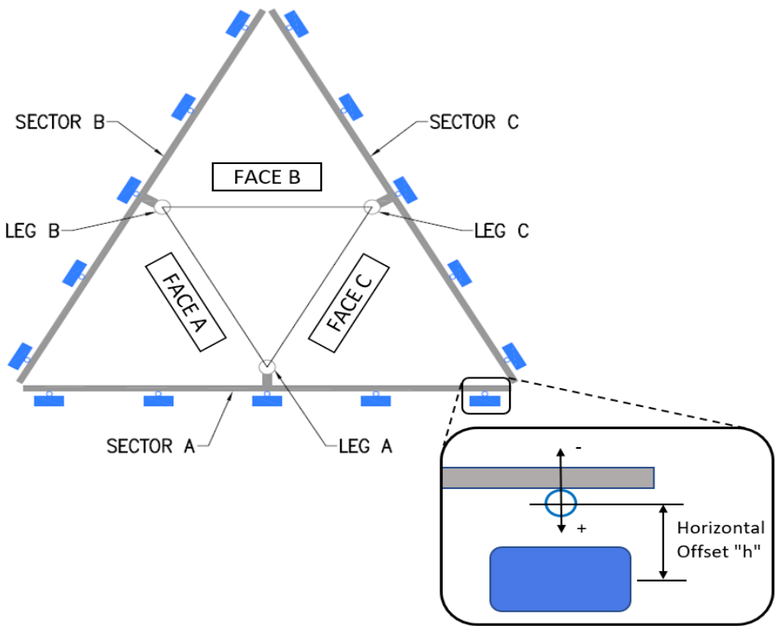
V3.0 Updated on 8-31-2020

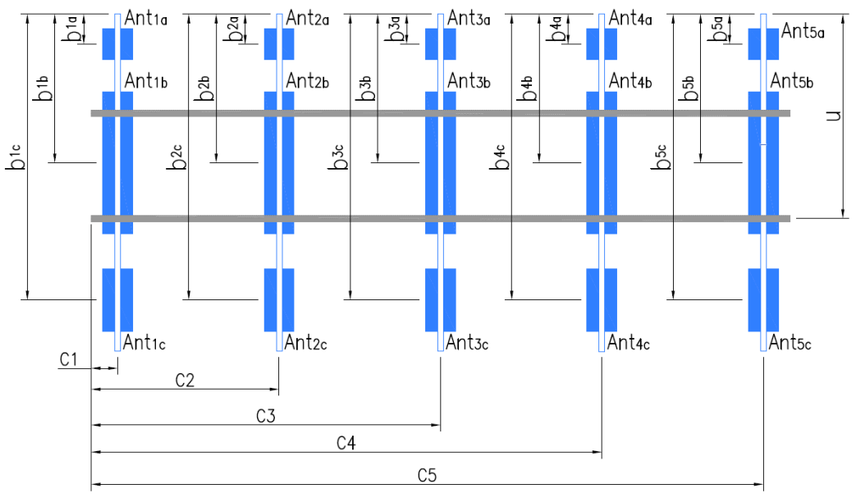
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
UNKNOWN

Tower Owner:	AMERICAN TOWER CORPORATION	**Mapping Date:**	3/27/2021
Site Name:	ATC:COLCHESTER CT 6, VZW:COLCHESTER S 2 CT	**Tower Type:**	Monopole
Site Number or ID:	ATC:302465	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS DESIGN & ENGINEERING LLC	**Mount Elevation (Ft.):**	160

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





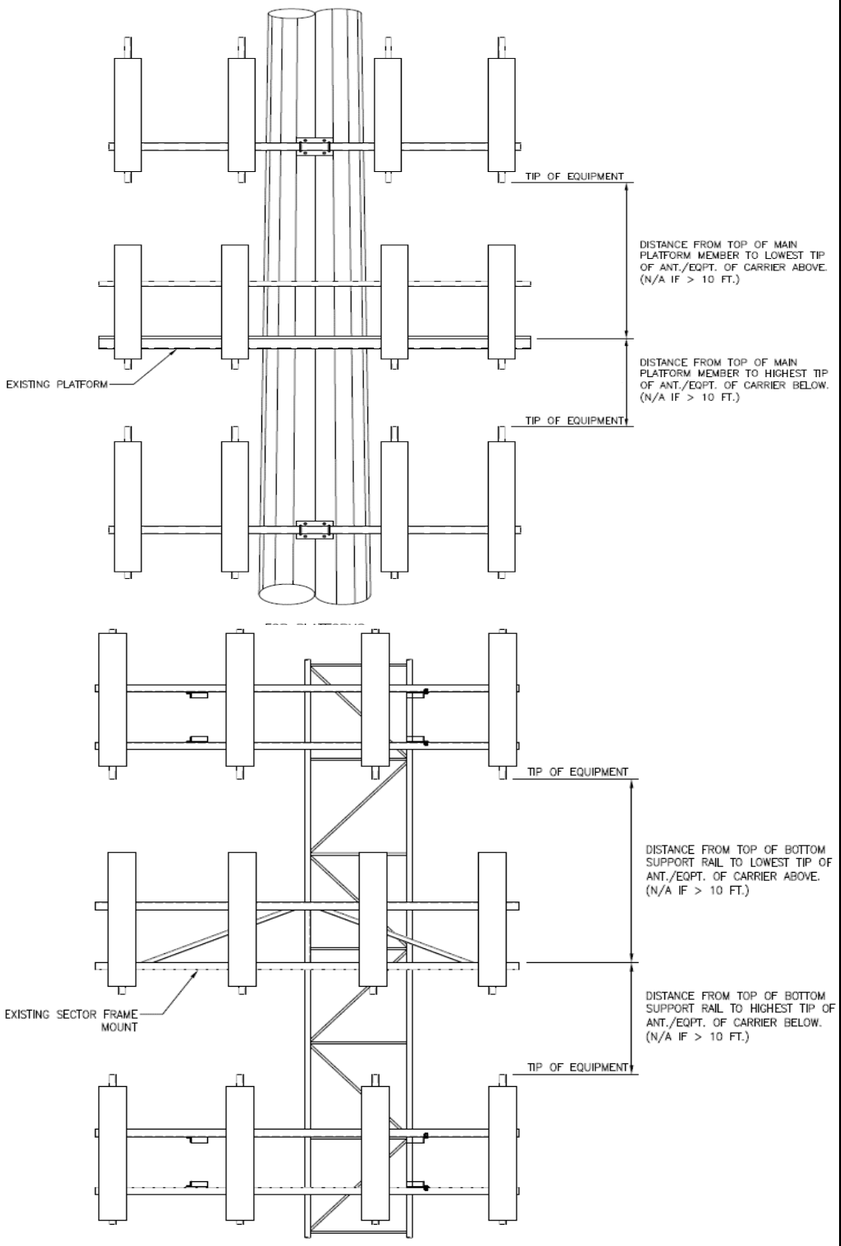
Antenna Layout (Looking Out From Tower)

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''Øx0.15''x72'' LONG	53.25	12.50	C1	PIPE 2.375''Øx0.15''x72'' LONG	53.25	12.50
A2	PIPE 2.375''Øx0.15''x72'' LONG	53.25	51.75	C2	PIPE 2.375''Øx0.15''x72'' LONG	53.25	51.75
A3	PIPE 2.375''Øx0.15''x72'' LONG	53.25	99.00	C3	PIPE 2.375''Øx0.15''x72'' LONG	53.25	99.00
A4	PIPE 2.375''Øx0.15''x72'' LONG	53.25	132.50	C4	PIPE 2.375''Øx0.15''x72'' LONG	53.25	132.50
A5				C5			
A6				C6			
B1	PIPE 2.375''Øx0.15''x72'' LONG	53.25	12.50	D1			
B2	PIPE 2.375''Øx0.15''x72'' LONG	53.25	51.75	D2			
B3	PIPE 2.375''Øx0.15''x72'' LONG	53.25	99.00	D3			
B4	PIPE 2.375''Øx0.15''x72'' LONG	53.25	132.50	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							5
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional infomation or comments below.							
Tower Face Width at Mount Elev. (ft.):			Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				23.5

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	RFV01U-D1A	15.00	10.00	15.00		161.979	29.50	-9.50		196
Ant_{2b}	(2)JAHH-65B-R3B	13.80	8.20	72.00		161.188	39.00	13.50	50.00	196
Ant_{2c}										
Ant_{3a}	RFV01U-D1A	15.00	10.00	15.00		161.979	29.50	-9.50		197
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48	15.73	10.25	25.66			27.00			322
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

Climbing Facility Information			
Location:	50.00	Deg	N/A
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	RFV01U-D1A	15.00	10.00	15.00		161.979	29.50	-9.50		199
Ant_{2b}	(2)JAHH-65B-R3B	13.80	8.20	72.00		161.188	39.00	13.50	170.00	199
Ant_{2c}										
Ant_{3a}	RFV01U-D1A	15.00	10.00	15.00		161.979	29.50	-9.50		200
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	RFV01U-D1A	15.00	10.00	15.00		161.979	29.50	-9.50		202
Ant_{2b}	(2)JAHH-65B-R3B	13.80	8.20	72.00		161.188	39.00	13.50	290.00	202
Ant_{2c}										
Ant_{3a}	RFV01U-D1A	15.00	10.00	15.00		162.017	29.05	-9.50		203
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48	15.73	10.25	25.66			27.00	7.50		320
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

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

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

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

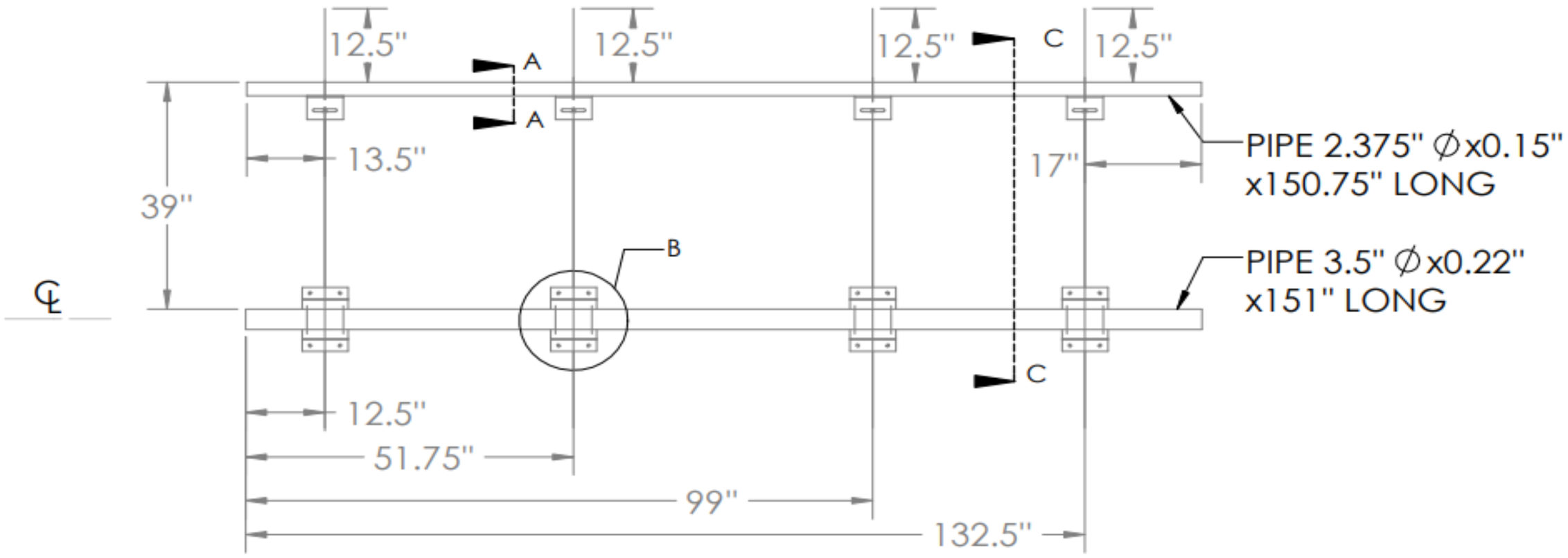
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

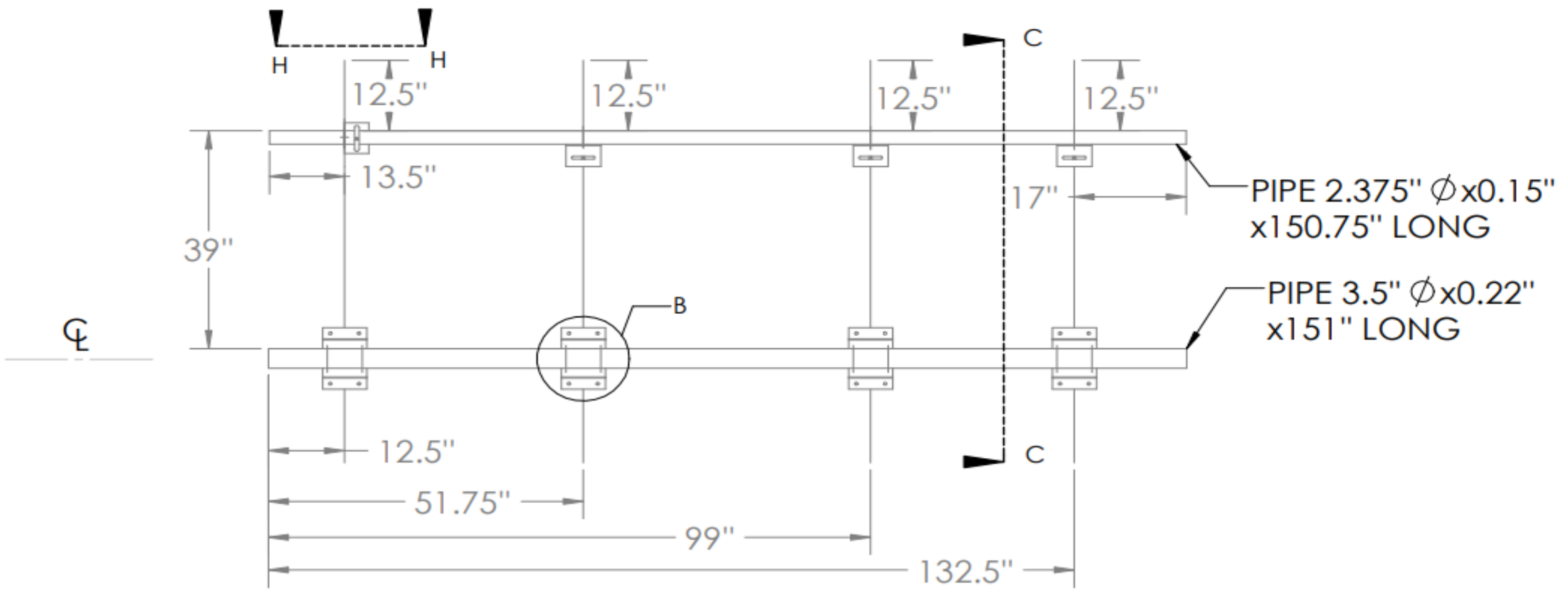
FCC #
UNKNOWN

Tower Owner:	AMERICAN TOWER CORPORATION	**Mapping Date:**	3/27/2021
Site Name:	ATC:COLCHESTER CT 6, VZW:COLCHESTER S 2 CT	**Tower Type:**	Monopole
Site Number or ID:	ATC:302465	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS DESIGN & ENGINEERING LLC	**Mount Elevation (Ft.):**	160

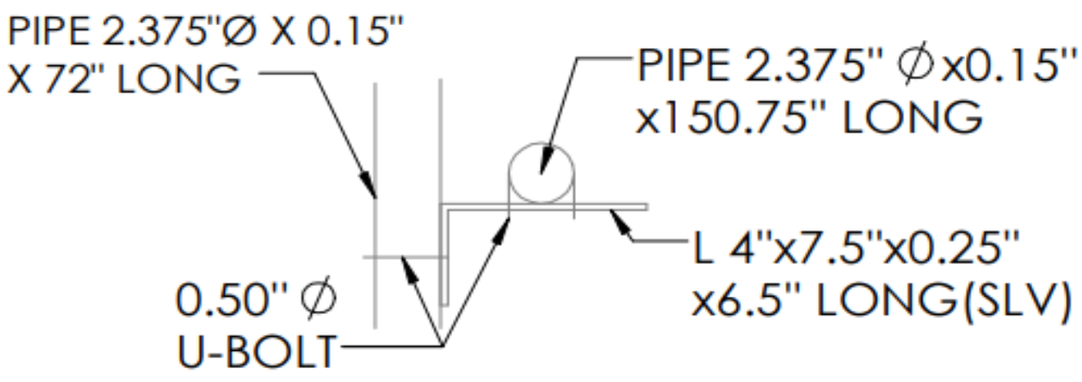
Please Insert Sketches of the Antenna Mount



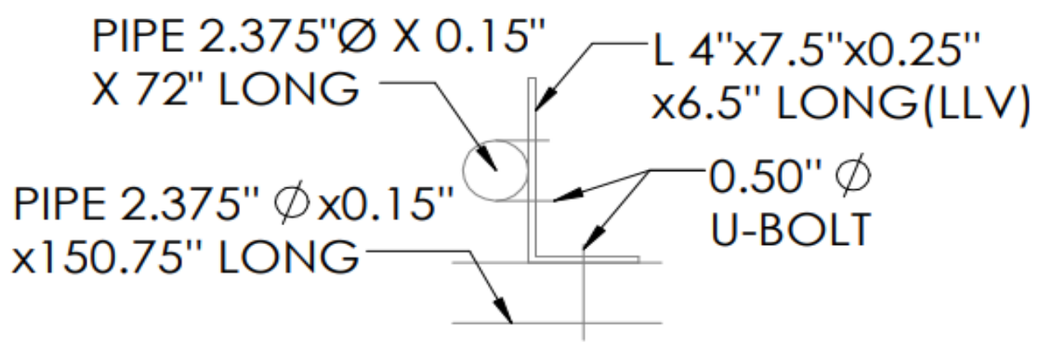
SECTOR VIEW A & C



SECTOR VIEW B

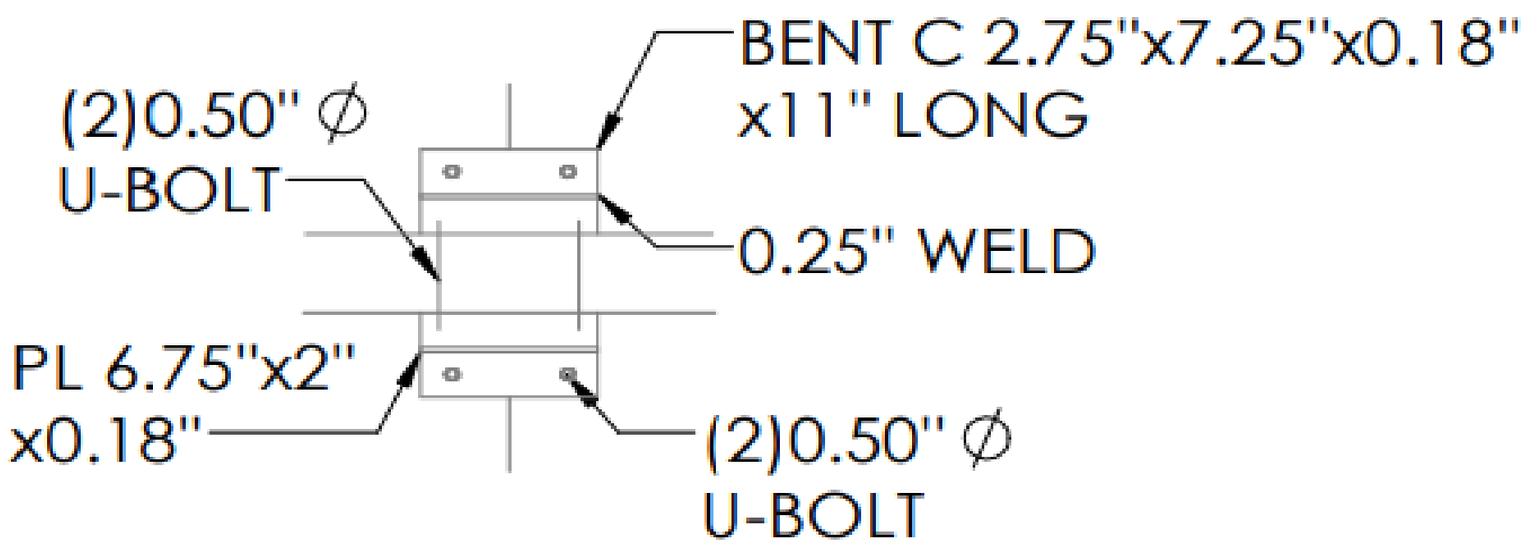


SECTION A-A

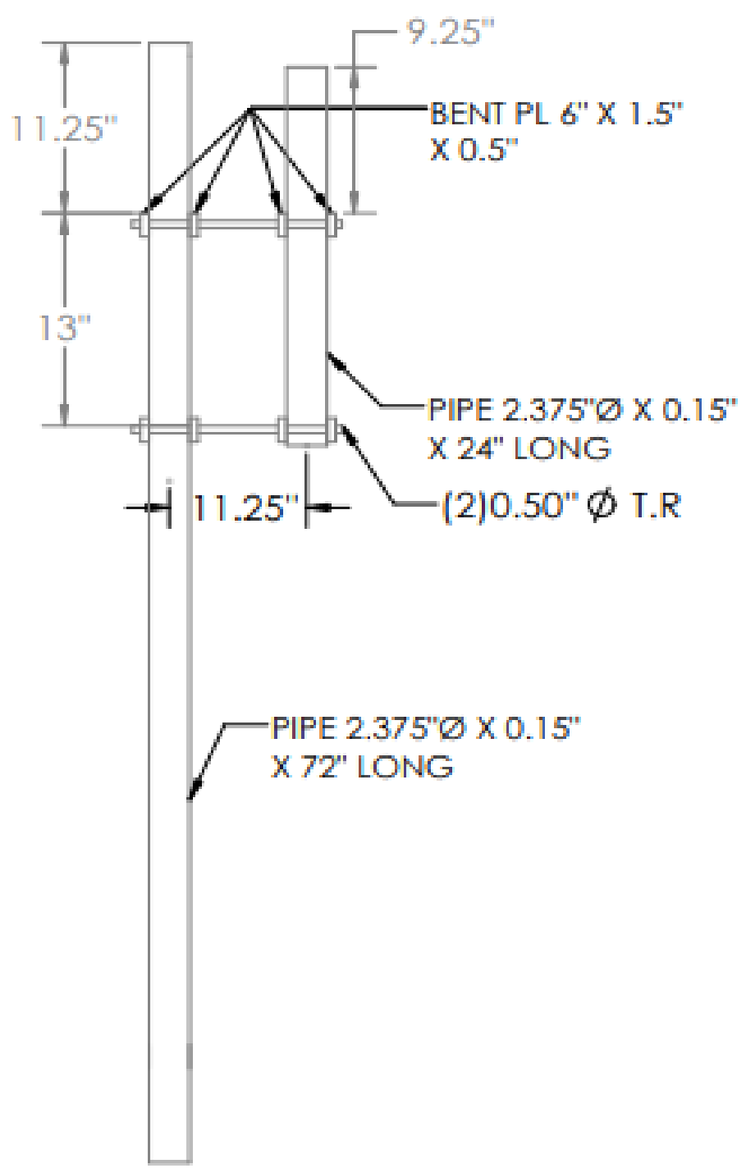


SECTION H-H

Please Insert Sketches of the Antenna Mount, cont'd

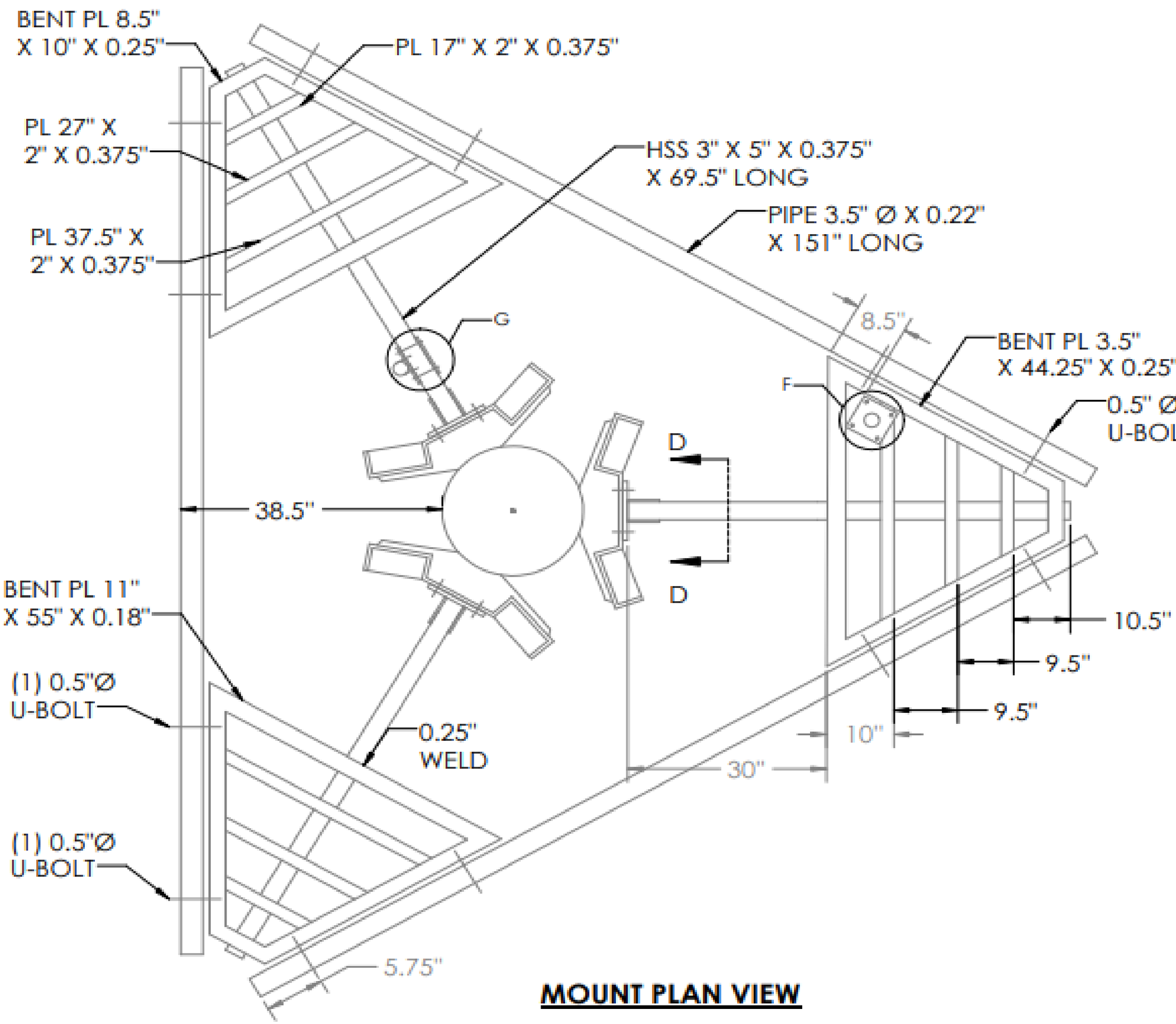


DETAIL B

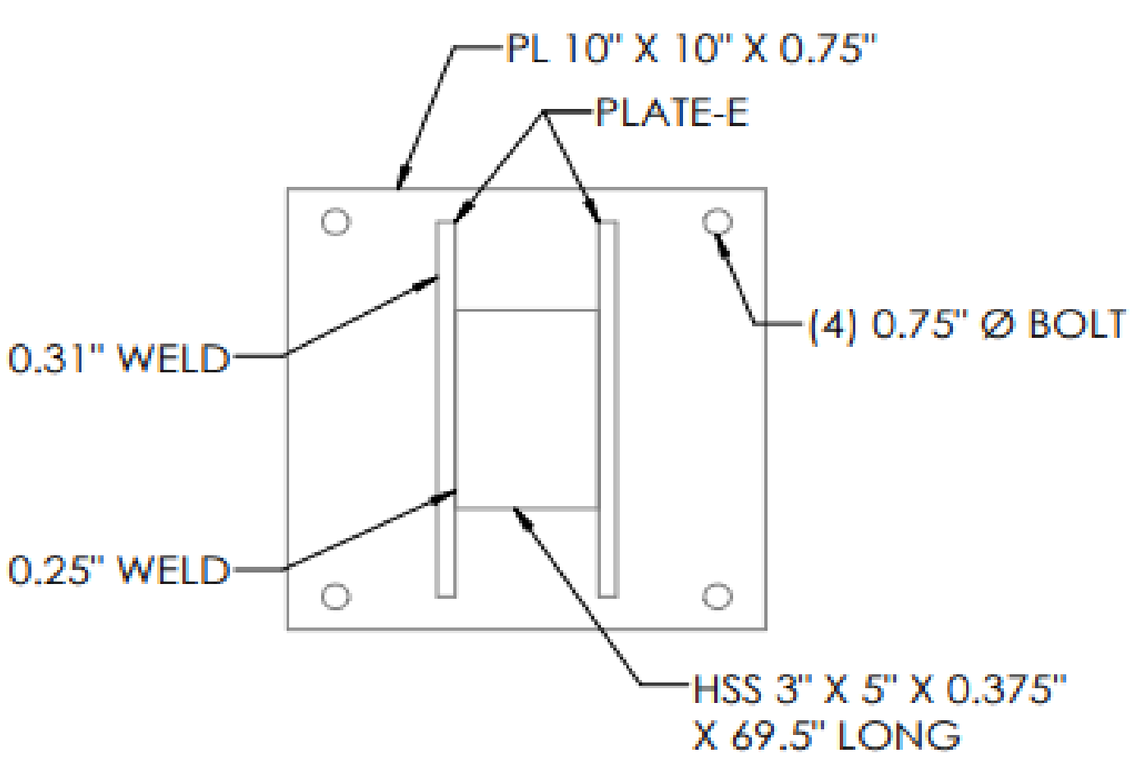


SECTION C-C

Please Insert Sketches of the Antenna Mount, cont'd



MOUNT PLAN VIEW



SECTION D-D

Please Insert Sketches of the Antenna Mount, cont'd

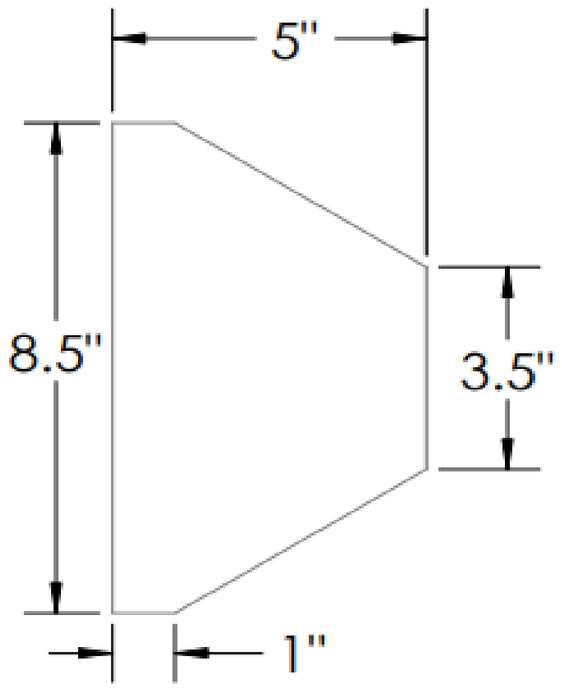
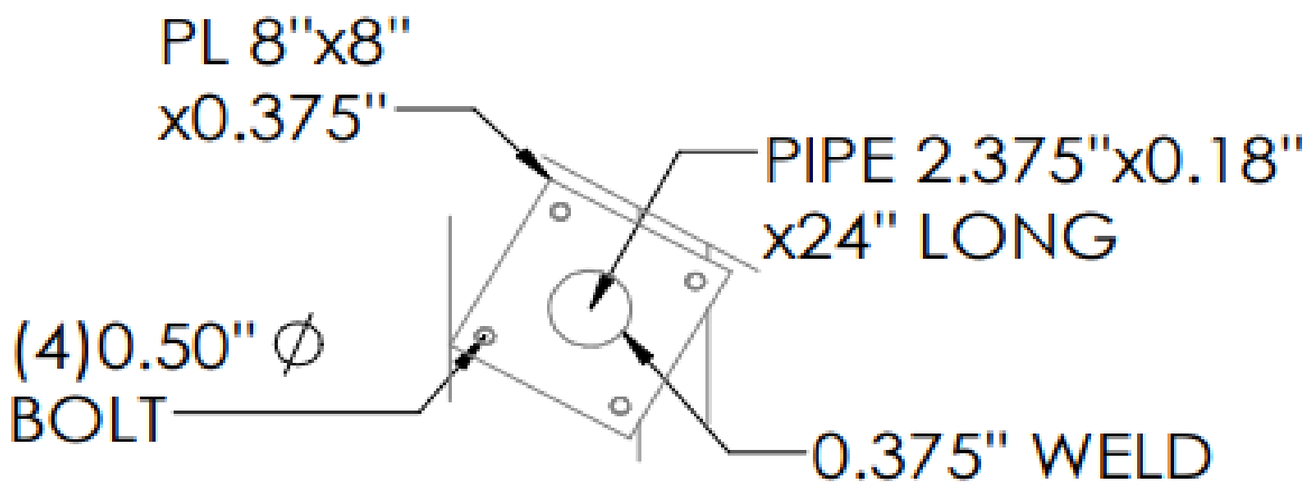
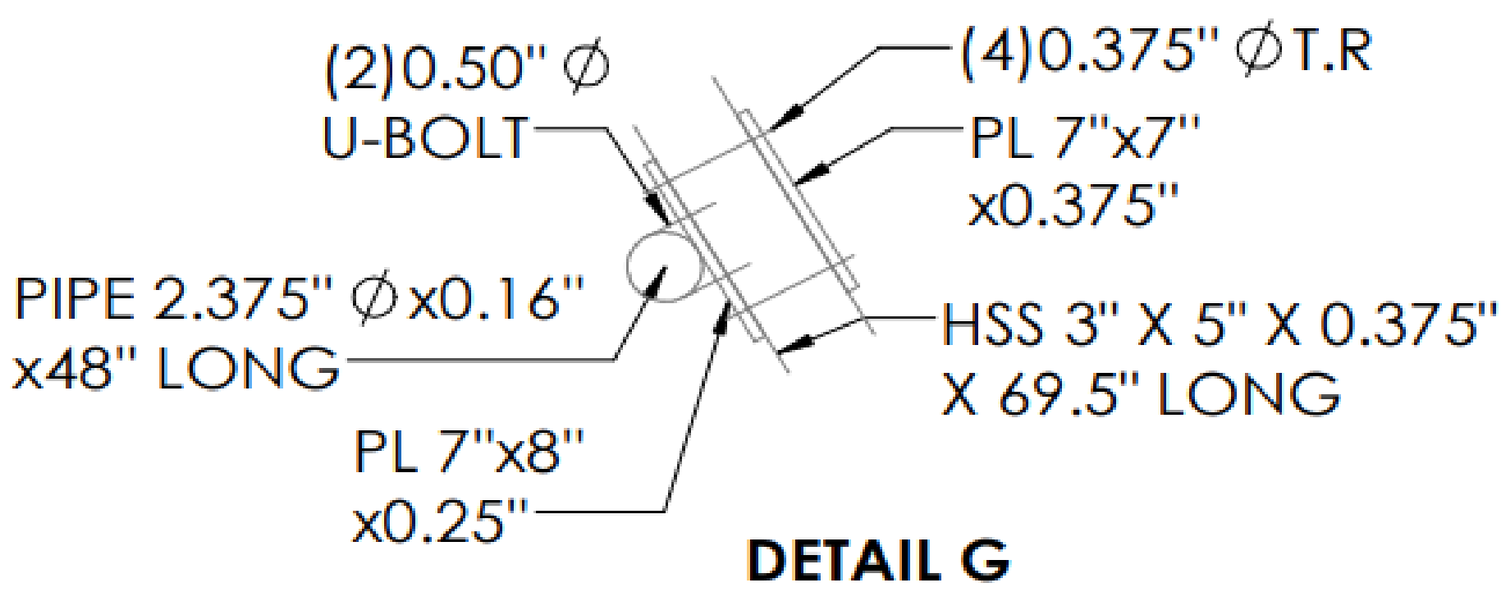


PLATE -E DETAIL VIEW
(0.375" THK)

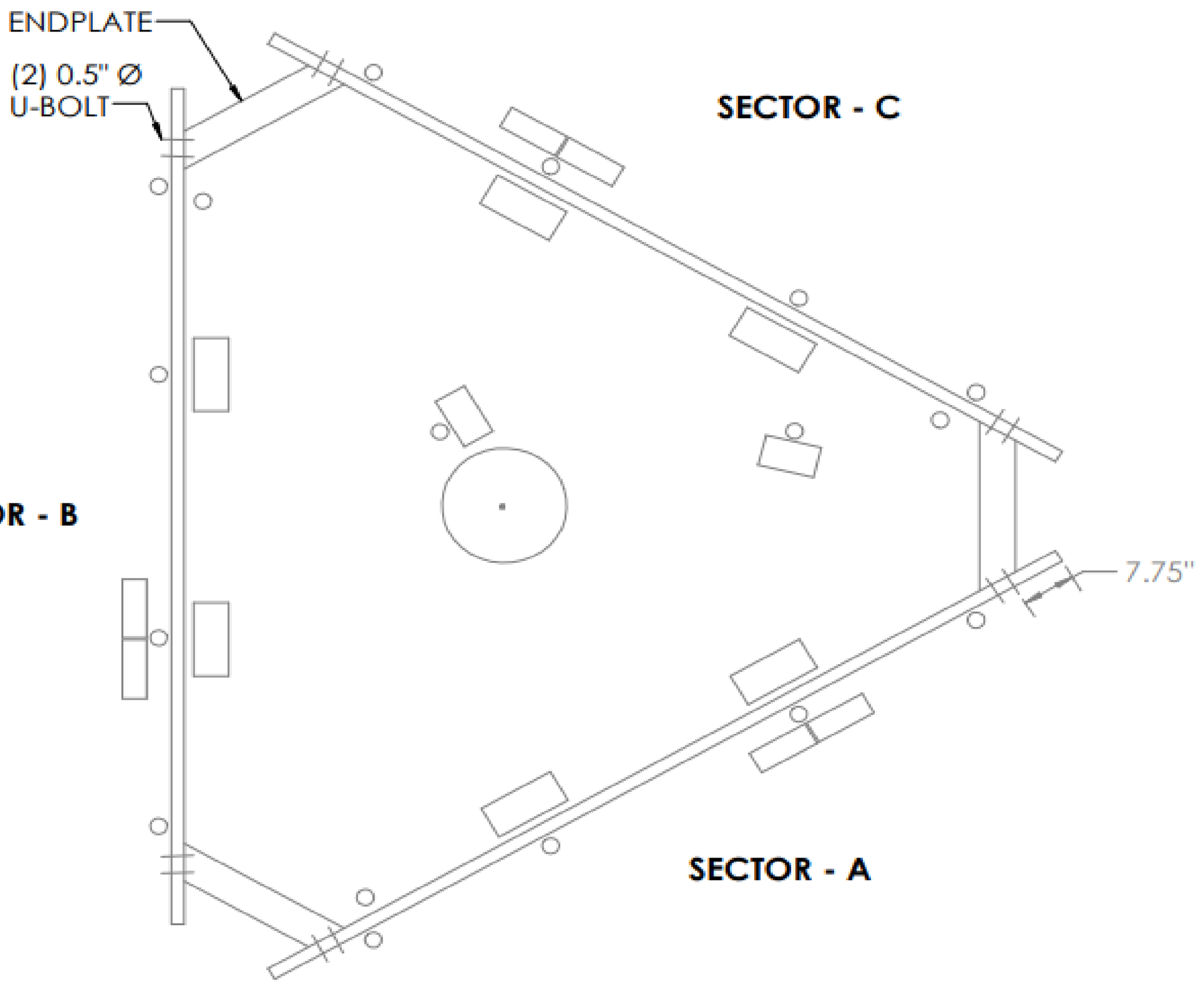


DETAIL F

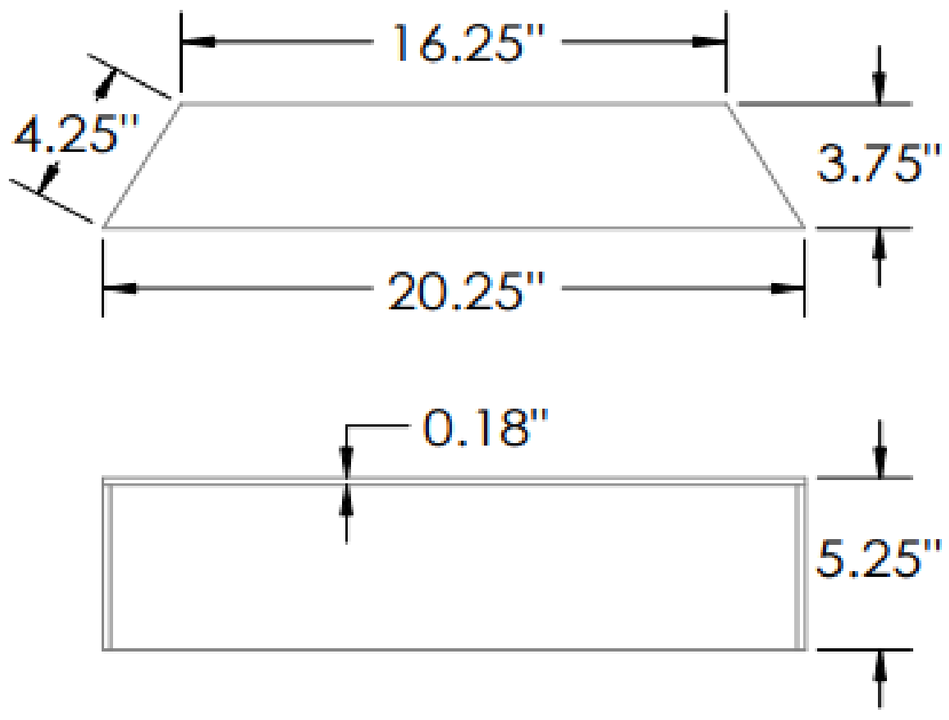


DETAIL G

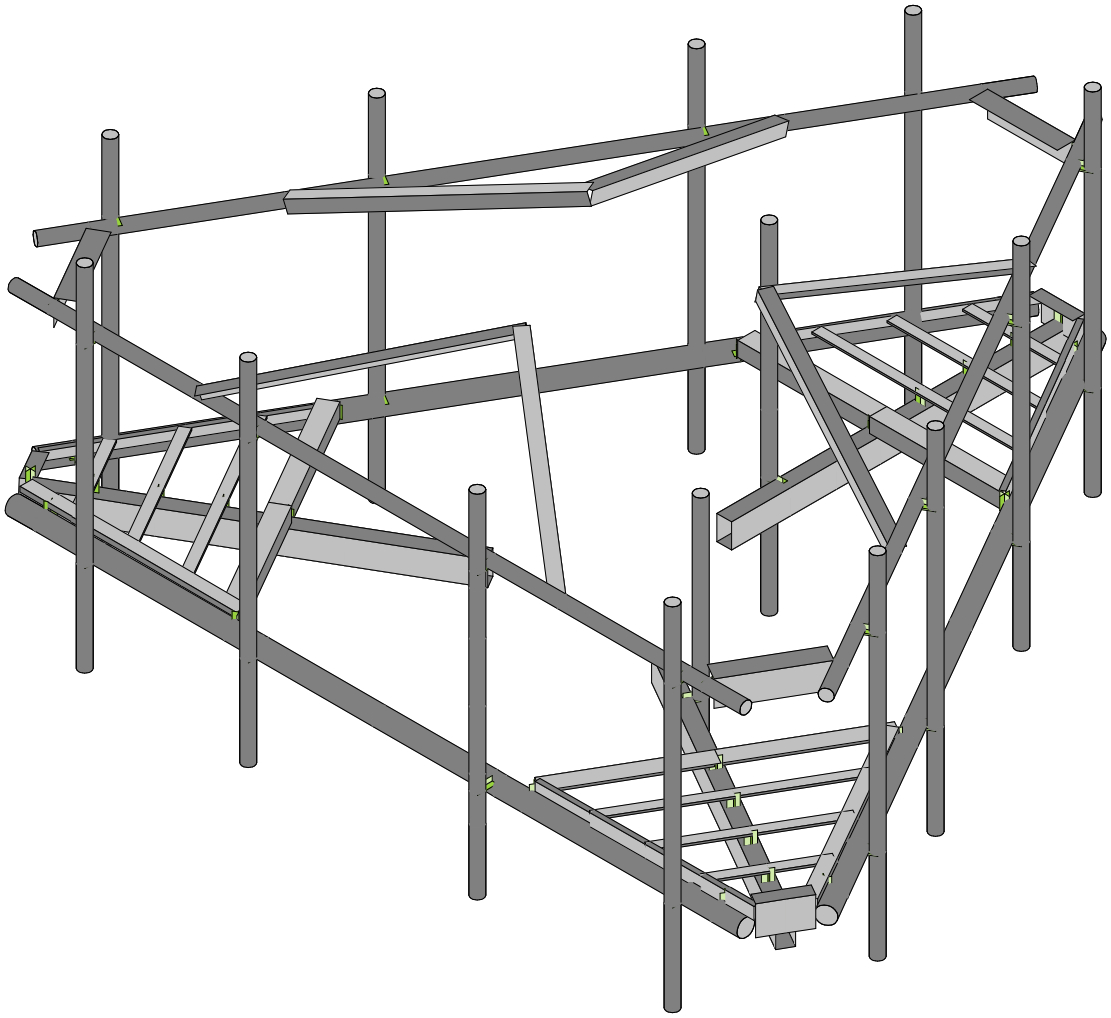
Please Insert Sketches of the Antenna Mount, cont'd



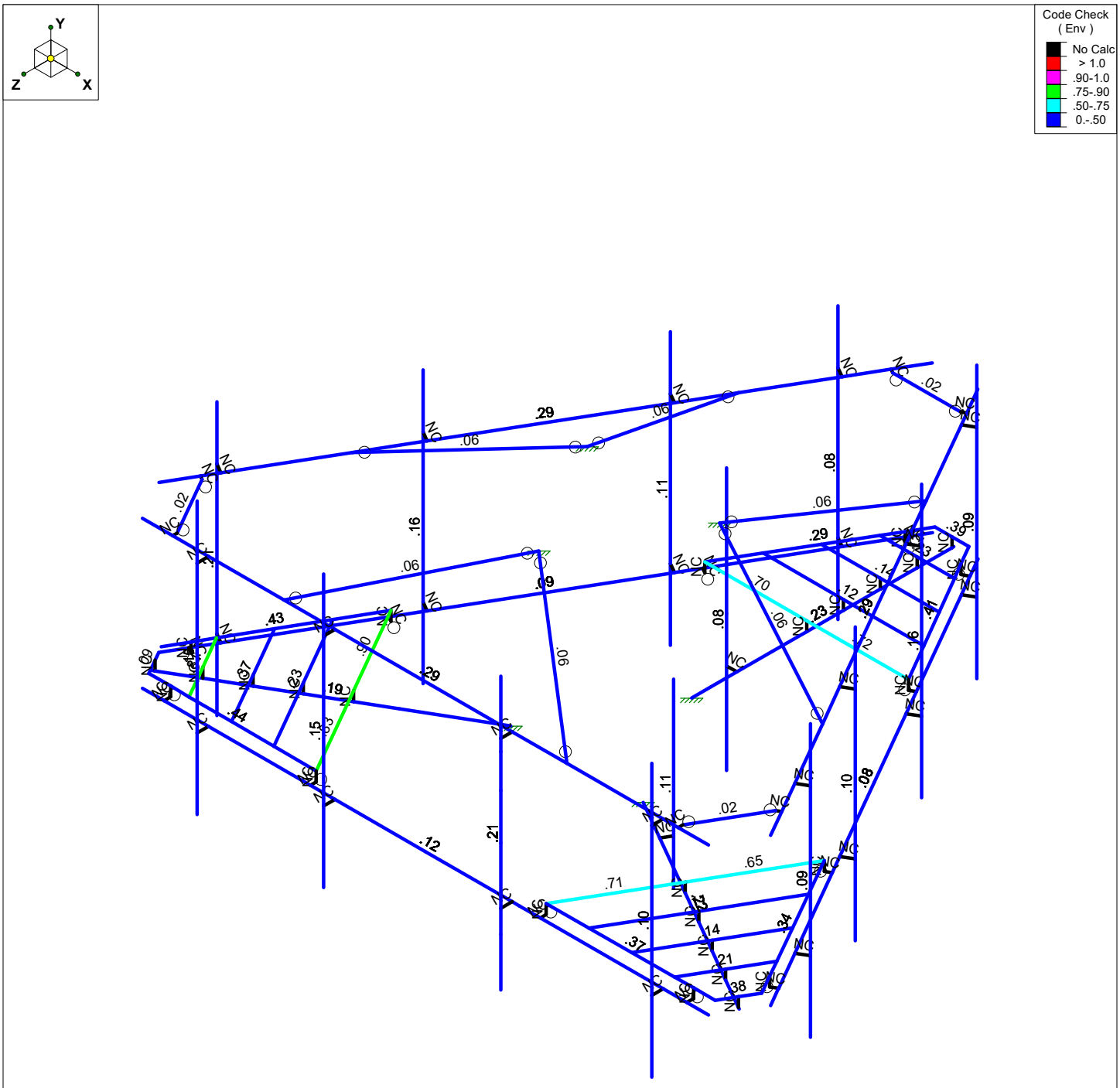
ANTENNA PLAN VIEW



ENDPLATE DETAIL VIEW

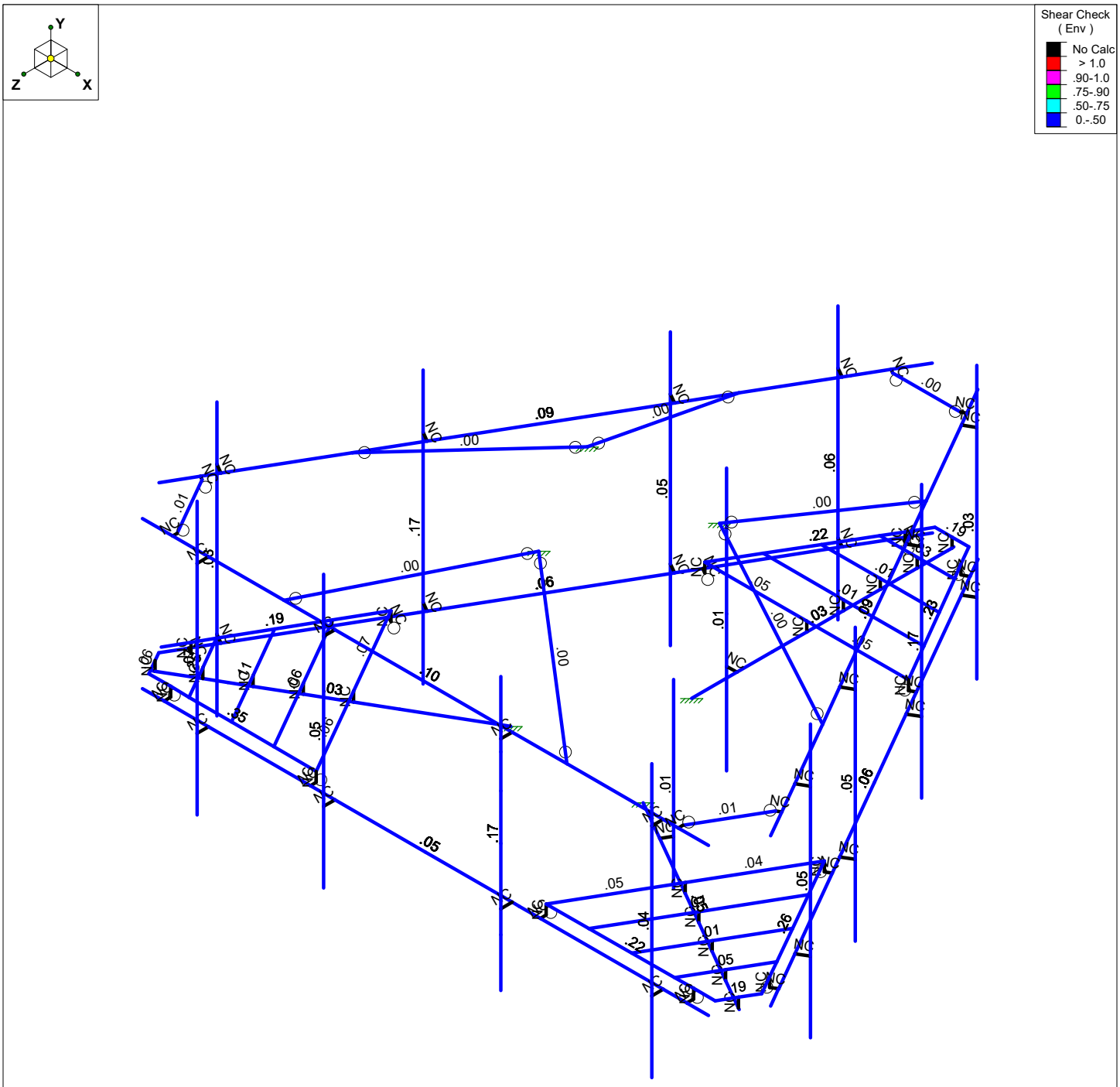


Maser Consulting	468035-VZW_MT_LO_H	SK - 1
AE		June 10, 2021 at 10:30 AM
Project No. 10069083		FINAL_468035-VZW_MT_LO_H.r3d



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

Maser Consulting	468035-VZW_MT_LO_H	SK - 2
AE		June 10, 2021 at 10:30 AM
Project No. 10069083		FINAL_468035-VZW_MT_LO_H.r3d



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

Maser Consulting	468035-VZW_MT_LO_H	SK - 3
AE		June 10, 2021 at 10:30 AM
Project No. 10069083		FINAL_468035-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					87			
2	Antenna Di	None					87			
3	Antenna Wo (0 Deg)	None					87			
4	Antenna Wo (30 Deg)	None					87			
5	Antenna Wo (60 Deg)	None					87			
6	Antenna Wo (90 Deg)	None					87			
7	Antenna Wo (120 Deg)	None					87			
8	Antenna Wo (150 Deg)	None					87			
9	Antenna Wo (180 Deg)	None					87			
10	Antenna Wo (210 Deg)	None					87			
11	Antenna Wo (240 Deg)	None					87			
12	Antenna Wo (270 Deg)	None					87			
13	Antenna Wo (300 Deg)	None					87			
14	Antenna Wo (330 Deg)	None					87			
15	Antenna Wi (0 Deg)	None					87			
16	Antenna Wi (30 Deg)	None					87			
17	Antenna Wi (60 Deg)	None					87			
18	Antenna Wi (90 Deg)	None					87			
19	Antenna Wi (120 Deg)	None					87			
20	Antenna Wi (150 Deg)	None					87			
21	Antenna Wi (180 Deg)	None					87			
22	Antenna Wi (210 Deg)	None					87			
23	Antenna Wi (240 Deg)	None					87			
24	Antenna Wi (270 Deg)	None					87			
25	Antenna Wi (300 Deg)	None					87			
26	Antenna Wi (330 Deg)	None					87			
27	Antenna Wm (0 Deg)	None					87			
28	Antenna Wm (30 Deg)	None					87			
29	Antenna Wm (60 Deg)	None					87			
30	Antenna Wm (90 Deg)	None					87			
31	Antenna Wm (120 Deg)	None					87			
32	Antenna Wm (150 Deg)	None					87			
33	Antenna Wm (180 Deg)	None					87			
34	Antenna Wm (210 Deg)	None					87			
35	Antenna Wm (240 Deg)	None					87			
36	Antenna Wm (270 Deg)	None					87			
37	Antenna Wm (300 Deg)	None					87			
38	Antenna Wm (330 Deg)	None					87			
39	Structure D	None		-1					3	
40	Structure Di	None						56	3	
41	Structure Wo (0 Deg)	None						112		
42	Structure Wo (30 Deg)	None						112		
43	Structure Wo (60 Deg)	None						112		
44	Structure Wo (90 Deg)	None						112		
45	Structure Wo (120 D...	None						112		
46	Structure Wo (150 D...	None						112		
47	Structure Wo (180 D...	None						112		
48	Structure Wo (210 D...	None						112		
49	Structure Wo (240 D...	None						112		
50	Structure Wo (270 D...	None						112		
51	Structure Wo (300 D...	None						112		
52	Structure Wo (330 D...	None						112		
53	Structure Wi (0 Deg)	None						112		
54	Structure Wi (30 Deg)	None						112		
55	Structure Wi (60 Deg)	None						112		
56	Structure Wi (90 Deg)	None						112		

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						112		
58	Structure Wi (150 De...	None						112		
59	Structure Wi (180 De...	None						112		
60	Structure Wi (210 De...	None						112		
61	Structure Wi (240 De...	None						112		
62	Structure Wi (270 De...	None						112		
63	Structure Wi (300 De...	None						112		
64	Structure Wi (330 De...	None						112		
65	Structure Wm (0 Deg)	None						112		
66	Structure Wm (30 De...	None						112		
67	Structure Wm (60 De...	None						112		
68	Structure Wm (90 De...	None						112		
69	Structure Wm (120 D...	None						112		
70	Structure Wm (150 D...	None						112		
71	Structure Wm (180 D...	None						112		
72	Structure Wm (210 D...	None						112		
73	Structure Wm (240 D...	None						112		
74	Structure Wm (270 D...	None						112		
75	Structure Wm (300 D...	None						112		
76	Structure Wm (330 D...	None						112		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						71		
82	BLC 40 Transient Are...	None						71		

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												

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...
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										
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	N143	-0.	0.	-0.	0	
2	N63	-0.	0.	-7.479168	0	
3	N66	0.000042	0.	-7.438116	0	
4	N67	0.000042	0.	-1.687502	0	
5	N68	2.250001	0.	-4.229169	0	
6	N69	2.359548	0.	-4.292416	0	
7	N70	-2.249917	0	-4.229169	0	
8	N71	0.000042	0.	-4.229169	0	
9	N74	0.501288	0.	-7.511016	0	
10	N75	-0.501274	0.	-7.51104	0	
11	N76	2.250001	0.208333	-4.229169	0	
12	N77	-2.249917	0.208333	-4.229169	0	
13	N78	0.000042	0.208333	-4.229169	0	
14	N79	0.375021	0.208333	-7.438116	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N80	-0.374945	0.208333	-7.438103	0	
16	N81	0.000042	0.	-5.854753	0	
17	N82	0.000042	0.	-5.042253	0	
18	N83	0.000042	0.208333	-5.854753	0	
19	N84	0.000042	0.208333	-5.042253	0	
20	N85	1.300176	0.208333	-5.854753	0	
21	N86	1.774918	0.208333	-5.042253	0	
22	N87	-1.300092	0.208333	-5.854753	0	
23	N88	-1.774834	0.208333	-5.042253	0	
24	N89	0.000042	0.	-6.667253	0	
25	N90	0.000042	0.208333	-6.667253	0	
26	N91	0.825434	0.208333	-6.667253	0	
27	N92	-0.82535	0.208333	-6.667253	0	
28	N180	-2.359548	0	-4.292416	0	
29	N222A	-5.78794	0.	4.189636	0	
30	N242A	-2.071393	0	4.189636	0	
31	N248A	2.071393	0.	4.189636	0	
32	N253A	5.787912	0.	4.189636	0	
33	N273B	-0.000014	0.	4.189636	0	
34	N275A	-6.250015	0.	4.189636	0	
35	N276A	6.249987	0.	4.189636	0	
36	N277A	-4.791681	0.	4.189636	0	
37	N278A	-2.000015	0.	4.189636	0	
38	N279A	1.916652	0.	4.189636	0	
39	N280A	5.249985	0.	4.189636	0	
40	N281A	-4.791681	0.	4.439636	0	
41	N282A	-2.000015	0.	4.439636	0	
42	N283A	1.916652	0.	4.439636	0	
43	N284A	5.249985	0.	4.439636	0	
44	N285A	-6.250015	3.25	4.189636	0	
45	N286A	6.249987	3.25	4.189636	0	
46	N287A	-4.791681	3.25	4.189636	0	
47	N288A	-2.000015	3.25	4.189636	0	
48	N289A	1.916652	3.25	4.189636	0	
49	N290A	5.249985	3.25	4.189636	0	
50	N291A	-4.791681	3.25	4.439636	0	
51	N292A	-2.000015	3.25	4.439636	0	
52	N293A	1.916652	3.25	4.439636	0	
53	N294A	5.249985	3.25	4.439636	0	
54	N295A	-4.791681	4.4375	4.439636	0	
55	N296A	-2.000015	4.4375	4.439636	0	
56	N297A	1.916652	4.4375	4.439636	0	
57	N298A	5.249985	4.4375	4.439636	0	
58	N299A	-4.791681	-1.5625	4.439636	0	
59	N300A	-2.000015	-1.5625	4.439636	0	
60	N301A	1.916652	-1.5625	4.439636	0	
61	N302A	5.249985	-1.5625	4.439636	0	
62	N180B	0.000042	0.208333	-7.438116	0	
63	N70A	-6.47715	0.	3.739584	0	
64	N71A	-6.441535	0.	3.719022	0	
65	N72A	-1.461441	0.	0.843715	0	
66	N73A	-4.787568	0.	0.166027	0	
67	N74A	-4.897115	0.	0.10278	0	
68	N75A	-2.537609	0	4.06307	0	
69	N76A	-3.662552	0.	2.114548	0	
70	N79A	-6.755375	0.	3.32138	0	
71	N81A	-4.787568	0.208333	0.166027	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N82A	-2.537609	0.208333	4.06307	0	
73	N83A	-3.662589	0.208333	2.114548	0	
74	N84A	-6.629108	0.208333	3.39428	0	
75	N85A	-6.254114	0.208333	4.043763	0	
76	N86A	-5.070326	0.	2.92734	0	
77	N87A	-4.366692	0.	2.52109	0	
78	N88A	-5.070326	0.208333	2.92734	0	
79	N89A	-4.366692	0.208333	2.52109	0	
80	N90A	-5.720453	0.208333	1.801391	0	
81	N91A	-5.254178	0.208333	0.984003	0	
82	N92A	-4.420319	0.208333	4.053289	0	
83	N93	-3.479302	0.208333	4.058178	0	
84	N94	-5.77396	0.	3.33359	0	
85	N95	-5.774032	0.208333	3.33359	0	
86	N96	-6.186728	0.208333	2.61878	0	
87	N97	-5.361335	0.208333	4.048401	0	
88	N100	-2.537568	0.	4.189636	0	
89	N101	-6.441618	0.208333	3.719022	0	
90	N103	6.477149	0.	3.739584	0	
91	N104	6.441659	0.	3.719094	0	
92	N105	1.461399	0.	0.843787	0	
93	N106	2.537568	0.	4.063142	0	
94	N107	2.537568	0.	4.189636	0	
95	N108	4.787526	0	0.166099	0	
96	N109	3.662584	0.	2.114621	0	
97	N113	6.755388	0.	3.321403	0	
98	N114	2.537568	0.208333	4.063142	0	
99	N115	4.787526	0.208333	0.166099	0	
100	N116	3.662547	0.208333	2.114621	0	
101	N117	6.254087	0.208333	4.043835	0	
102	N118	6.629058	0.208333	3.39434	0	
103	N119	5.070404	0.	2.927413	0	
104	N120	4.366747	0.	2.521163	0	
105	N121	5.070404	0.208333	2.927413	0	
106	N122	4.366747	0.208333	2.521163	0	
107	N123	4.420277	0.208333	4.053362	0	
108	N124	3.47926	0.208333	4.05825	0	
109	N125	5.720411	0.208333	1.801464	0	
110	N126	5.254136	0.208333	0.984075	0	
111	N127	5.774062	0.	3.333663	0	
112	N128	5.77399	0.208333	3.333663	0	
113	N129	5.361294	0.208333	4.048473	0	
114	N130	6.186686	0.208333	2.618852	0	
115	N133	4.897115	0	0.10278	0	
116	N134	6.441569	0.208333	3.719094	0	
117	N129A	-5.583348	3.25	4.189636	0	
118	N124A	5.583321	3.25	4.189636	0	
119	N125A	5.583321	3.25	4.089636	0	
120	N127A	-5.583346	3.25	4.089636	0	
121	N156	6.522301	0.	2.917685	0	
122	N157	4.664028	0	-0.300939	0	
123	N158	2.592635	0.	-3.888697	0	
124	N159	0.734375	0.	-7.107297	0	
125	N160	3.628338	0.	-2.094806	0	
126	N163	6.024172	0.	2.0549	0	
127	N164	4.670005	0.	-0.290586	0	
128	N165	2.670005	0.	-3.754688	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N166	1.003339	0.	-6.641439	0	
130	N167	6.240678	0.	1.9299	0	
131	N168	4.886512	0.	-0.415586	0	
132	N169	2.886512	0.	-3.879688	0	
133	N170	1.219845	0.	-6.766439	0	
134	N171	6.753339	3.25	3.317853	0	
135	N172	0.503338	3.25	-7.507466	0	
136	N173	6.024172	3.25	2.0549	0	
137	N174	4.670005	3.25	-0.290586	0	
138	N175	2.670005	3.25	-3.754688	0	
139	N176	1.003339	3.25	-6.641439	0	
140	N177	6.240678	3.25	1.9299	0	
141	N178	4.886512	3.25	-0.415586	0	
142	N179	2.886512	3.25	-3.879688	0	
143	N180A	1.219845	3.25	-6.766439	0	
144	N181	6.240678	4.4375	1.9299	0	
145	N182	4.886512	4.4375	-0.415586	0	
146	N183	2.886512	4.4375	-3.879688	0	
147	N184	1.219845	4.4375	-6.766439	0	
148	N185	6.240678	-1.5625	1.9299	0	
149	N186	4.886512	-1.5625	-0.415586	0	
150	N187	2.886512	-1.5625	-3.879688	0	
151	N188	1.219845	-1.5625	-6.766439	0	
152	N191	6.420005	3.25	2.740503	0	
153	N192	0.836671	3.25	-6.930116	0	
154	N222	-0.734362	0.	-7.107321	0	
155	N223	-2.592635	0	-3.888697	0	
156	N224	-4.664028	0.	-0.300939	0	
157	N225	-6.522288	0.	2.917661	0	
158	N226	-3.628325	0.	-2.09483	0	
159	N229	-1.232491	0.	-6.244536	0	
160	N230	-2.586657	0.	-3.89905	0	
161	N231	-4.586657	0.	-0.434949	0	
162	N232	-6.253324	0.	2.451803	0	
163	N233	-1.448997	0.	-6.369536	0	
164	N234	-2.803164	0.	-4.02405	0	
165	N235	-4.803164	0.	-0.559949	0	
166	N236	-6.46983	0.	2.326803	0	
167	N237	-0.503324	3.25	-7.507489	0	
168	N238	-6.753325	3.25	3.31783	0	
169	N239	-1.232491	3.25	-6.244536	0	
170	N240	-2.586657	3.25	-3.89905	0	
171	N241	-4.586657	3.25	-0.434949	0	
172	N242	-6.253324	3.25	2.451803	0	
173	N243	-1.448997	3.25	-6.369536	0	
174	N244	-2.803164	3.25	-4.02405	0	
175	N245	-4.803164	3.25	-0.559949	0	
176	N246	-6.46983	3.25	2.326803	0	
177	N247	-1.448997	4.4375	-6.369536	0	
178	N248	-2.803164	4.4375	-4.02405	0	
179	N249	-4.803164	4.4375	-0.559949	0	
180	N250	-6.46983	4.4375	2.326803	0	
181	N251	-1.448997	-1.5625	-6.369536	0	
182	N252	-2.803164	-1.5625	-4.02405	0	
183	N253	-4.803164	-1.5625	-0.559949	0	
184	N254	-6.46983	-1.5625	2.326803	0	
185	N257	-0.836657	3.25	-6.930139	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N258	-6.419992	3.25	2.740479	0	
187	N277B	0.000042	0.	-2.687502	0	
188	N278B	-0.224958	0.	-2.687502	0	
189	N279B	-0.224958	-2	-2.687502	0	
190	N280B	-0.224958	3.791667	-2.687502	0	
191	N317A	0.750069	3.25	-6.880116	0	
192	N318A	6.333402	3.25	2.790501	0	
193	N322A	-6.333389	3.25	2.790479	0	
194	N323A	-0.750056	3.25	-6.880138	0	
195	N248B	2.327428	0.	1.343781	0	
196	N249A	2.439924	0.	1.148932	0	
197	N250A	2.439924	-1	1.148932	0	
198	N251A	2.439924	3	1.148932	0	
199	N248C	1.916652	3.	4.439636	0	
200	N249B	1.916652	-0.5	4.439636	0	
201	N250B	1.916652	1.25	4.439636	0	
202	N252A	1.916652	2.25	4.439636	0	
203	N253B	1.916652	0.25	4.439636	0	
204	N253C	-0.224958	1	-2.687502	0	
205	N212	-5.770848	0.	4.189636	0	
206	N213	-5.774947	0.	4.043763	0	
207	N214	-5.774947	0.208333	4.043763	0	
208	N215	5.770821	0.	4.189636	0	
209	N216	5.77492	0.	4.043835	0	
210	N217	5.77492	0.208333	4.043835	0	
211	N215A	6.513755	0.	2.902883	0	
212	N216A	6.389475	0.	2.97937	0	
213	N217A	6.389475	0.208333	2.97937	0	
214	N218	0.742921	0.	-7.092495	0	
215	N219	0.614604	0.	-7.023145	0	
216	N220	0.614604	0.208333	-7.023145	0	
217	N224A	-0.742907	0.	-7.092519	0	
218	N225A	-0.614528	0.	-7.023132	0	
219	N226A	-0.614528	0.208333	-7.023132	0	
220	N227	-6.513742	0.	2.902859	0	
221	N228	-6.389524	0.	2.97931	0	
222	N229A	-6.389524	0.208333	2.97931	0	
223	N226B	0.000042	0.	-3.479169	0	
224	N229B	-3.01307	0.	1.739548	0	
225	N232A	3.013028	0.	1.739621	0	
226	N229C	0.000042	0.	-6.261003	0	
227	N231A	-5.422209	0.	3.130465	0	
228	N233A	5.422167	0.	3.130538	0	
229	N232B	-0.000042	4.5	1.687502	0	
230	N233B	1.461441	4.5	-0.843715	0	
231	N234A	-1.461399	4.5	-0.843787	0	
232	N235A	-3.125014	3.25	4.189636	0	
233	N236A	3.124987	3.25	4.189636	0	
234	N239A	5.190838	3.25	0.611523	0	
235	N240A	2.065838	3.25	-4.801136	0	
236	N243A	-2.065824	3.25	-4.80116	0	
237	N244A	-5.190825	3.25	0.6115	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Standoff Arm	HSS5X3X6	Beam	Tube	A500 Gr.B Re...	Typical	4.78	6.25	14.1	14.9
2	Platform Support	PL3/8x2	Beam	RECT	A36 Gr.36	Typical	.75	.009	.25	.031
3	Platform Angle	L2.5X1X4	Beam	Single Angle	A36 Gr.36	Typical	.813	.048	.509	.015
4	TES PA	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
5	Standoff Horizontal	L3.5X3X3	Beam	Single Angle	A36 Gr.36	Typical	1.138	.971	1.419	.012
6	TES SH	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical	1.93	3	3	.044
7	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
8	Support rail corner	L5.25X3.75X3	Beam	Single Angle	A36 Gr.36	Typical	18	18.839	40.355	19.98
9	TES SRC	L6X6X5	Beam	Single Angle	A36 Gr.36	Typical	3.67	13	13	.129
10	Support Rail	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
11	Antenna pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
12	Corner Angle	L6x2.5x4	Beam	RECT	A36 Gr.36	Typical	2.063	.884	7.884	.041
13	TES CA	L6X6X5	Beam	RECT	A36 Gr.36	Typical	3.67	13	13	.129
14	Mod Kickers	LL3x3x3x3	Beam	RECT	A36 Gr.36	Typical	2.18	4.09	1.9	.027
15	Mod SFS kit	L2.5x2.5x3	Beam	RECT	A36 Gr.36	Typical	.901	.535	.535	.011
16	threaded Rods	SR_0.5	Beam	RECT	A36 Gr.36	Typical	.196	.003	.003	.006

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.B RND	29000	11154	.3	.65	.49	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.49	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M46	N68	N69			RIGID	None	None	RIGID	Typical
2	M47	N70	N180			RIGID	None	None	RIGID	Typical
3	M48	N67	N63			Standoff Arm	Beam	Tube	A500 Gr.B...	Typical
4	M53	N76	N78		90	Standoff Horiz...	Beam	Single Angle	A36 Gr.36	Typical
5	M54	N78	N77		90	Standoff Horiz...	Beam	Single Angle	A36 Gr.36	Typical
6	M55	N77	N70			RIGID	None	None	RIGID	Typical
7	M56	N76	N68			RIGID	None	None	RIGID	Typical
8	M57	N78	N71			RIGID	None	None	RIGID	Typical
9	M60	N81	N83			RIGID	None	None	RIGID	Typical
10	M61	N82	N84			RIGID	None	None	RIGID	Typical
11	M62	N87	N85		90	Platform Supp...	Beam	RECT	A36 Gr.36	Typical
12	M63	N88	N86		90	Platform Supp...	Beam	RECT	A36 Gr.36	Typical
13	M64	N89	N90			RIGID	None	None	RIGID	Typical
14	M65	N92	N91		90	Platform Supp...	Beam	RECT	A36 Gr.36	Typical
15	M66	N77	N80		90	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
16	M67	N76	N79		180	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
17	M200	N275A	N276A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
18	M182A	N280A	N284A			RIGID	None	None	RIGID	Typical
19	M183A	N279A	N283A			RIGID	None	None	RIGID	Typical
20	M184A	N278A	N282A			RIGID	None	None	RIGID	Typical
21	M185A	N277A	N281A			RIGID	None	None	RIGID	Typical
22	M186A	N285A	N286A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
23	M187A	N290A	N294A			RIGID	None	None	RIGID	Typical
24	M188A	N289A	N293A			RIGID	None	None	RIGID	Typical
25	M189A	N288A	N292A			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
26	M190A	N287A	N291A			RIGID	None	None	RIGID	Typical
27	MP4A	N295A	N299A			Antenna pipe	Column	Pipe	A53 Gr.B	Typical
28	MP3A	N296A	N300A			Antenna pipe	Column	Pipe	A53 Gr.B	Typical
29	MP2A	N297A	N301A			Antenna pipe	Column	Pipe	A53 Gr.B	Typical
30	MP1A	N298A	N302A			Antenna pipe	Column	Pipe	A53 Gr.B	Typical
31	M113	N79	N80		180	Corner Angle	Beam	RECT	A36 Gr.36	Typical
32	M114A	N180B	N66		120	RIGID	None	None	RIGID	Typical
33	M39	N73A	N74A			RIGID	None	None	RIGID	Typical
34	M40	N75A	N100			RIGID	None	None	RIGID	Typical
35	M41	N72A	N70A			Standoff Arm	Beam	Tube	A500 Gr.B...	Typical
36	M44	N81A	N83A		90	Standoff Horiz...	Beam	Single Angle	A36 Gr.36	Typical
37	M45	N83A	N82A		90	Standoff Horiz...	Beam	Single Angle	A36 Gr.36	Typical
38	M46A	N82A	N75A		240	RIGID	None	None	RIGID	Typical
39	M47A	N81A	N73A		240	RIGID	None	None	RIGID	Typical
40	M48A	N83A	N76A		240	RIGID	None	None	RIGID	Typical
41	M51A	N86A	N88A		120	RIGID	None	None	RIGID	Typical
42	M52	N87A	N89A		120	RIGID	None	None	RIGID	Typical
43	M53A	N92A	N90A		90	Platform Supp...	Beam	RECT	A36 Gr.36	Typical
44	M54A	N93	N91A		90	Platform Supp...	Beam	RECT	A36 Gr.36	Typical
45	M55A	N94	N95		120	RIGID	None	None	RIGID	Typical
46	M56A	N97	N96		90	Platform Supp...	Beam	RECT	A36 Gr.36	Typical
47	M57A	N82A	N85A		90	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
48	M58A	N81A	N84A		180	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
49	M61A	N79A	N85A		180	Corner Angle	Beam	RECT	A36 Gr.36	Typical
50	M62A	N101	N71A		360	RIGID	None	None	RIGID	Typical
51	M63A	N106	N107			RIGID	None	None	RIGID	Typical
52	M64A	N108	N133			RIGID	None	None	RIGID	Typical
53	M65A	N105	N103			Standoff Arm	Beam	Tube	A500 Gr.B...	Typical
54	M68	N114	N116		90	Standoff Horiz...	Beam	Single Angle	A36 Gr.36	Typical
55	M69	N116	N115		90	Standoff Horiz...	Beam	Single Angle	A36 Gr.36	Typical
56	M70	N115	N108		120	RIGID	None	None	RIGID	Typical
57	M71	N114	N106		120	RIGID	None	None	RIGID	Typical
58	M72	N116	N109		120	RIGID	None	None	RIGID	Typical
59	M75	N119	N121		240	RIGID	None	None	RIGID	Typical
60	M76	N120	N122		240	RIGID	None	None	RIGID	Typical
61	M77	N125	N123		90	Platform Supp...	Beam	RECT	A36 Gr.36	Typical
62	M78	N126	N124		90	Platform Supp...	Beam	RECT	A36 Gr.36	Typical
63	M79	N127	N128		240	RIGID	None	None	RIGID	Typical
64	M80	N130	N129		90	Platform Supp...	Beam	RECT	A36 Gr.36	Typical
65	M81	N115	N118		90	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
66	M82	N114	N117		180	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
67	M85	N117	N118		180	Corner Angle	Beam	RECT	A36 Gr.36	Typical
68	M86	N134	N104		240	RIGID	None	None	RIGID	Typical
69	M84A	N124A	N125A			RIGID	None	None	RIGID	Typical
70	M85A	N129A	N127A			RIGID	None	None	RIGID	Typical
71	M112A	N113	N74			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
72	M113A	N166	N170			RIGID	None	None	RIGID	Typical
73	M114	N165	N169			RIGID	None	None	RIGID	Typical
74	M115	N164	N168			RIGID	None	None	RIGID	Typical
75	M116	N163	N167			RIGID	None	None	RIGID	Typical
76	M117	N171	N172			Support Rail	Beam	Pipe	A53 Gr.B	Typical
77	M118	N176	N180A			RIGID	None	None	RIGID	Typical
78	M119	N175	N179			RIGID	None	None	RIGID	Typical
79	M120	N174	N178			RIGID	None	None	RIGID	Typical
80	M121	N173	N177			RIGID	None	None	RIGID	Typical
81	MP4C	N181	N185		240	Antenna pipe	Column	Pipe	A53 Gr.B	Typical
82	MP3C	N182	N186		240	Antenna pipe	Column	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
83	MP2C	N183	N187		240	Antenna pipe	Column	Pipe	A53 Gr.B	Typical
84	MP1C	N184	N188		240	Antenna pipe	Column	Pipe	A53 Gr.B	Typical
85	M152	N75	N79A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
86	M153	N232	N236			RIGID	None	None	RIGID	Typical
87	M154	N231	N235			RIGID	None	None	RIGID	Typical
88	M155	N230	N234			RIGID	None	None	RIGID	Typical
89	M156	N229	N233			RIGID	None	None	RIGID	Typical
90	M157	N237	N238			Support Rail	Beam	Pipe	A53 Gr.B	Typical
91	M158	N242	N246			RIGID	None	None	RIGID	Typical
92	M159	N241	N245			RIGID	None	None	RIGID	Typical
93	M160	N240	N244			RIGID	None	None	RIGID	Typical
94	M161	N239	N243			RIGID	None	None	RIGID	Typical
95	MP4B	N247	N251		120	Antenna pipe	Column	Pipe	A53 Gr.B	Typical
96	MP3B	N248	N252		120	Antenna pipe	Column	Pipe	A53 Gr.B	Typical
97	MP2B	N249	N253		120	Antenna pipe	Column	Pipe	A53 Gr.B	Typical
98	MP1B	N250	N254		120	Antenna pipe	Column	Pipe	A53 Gr.B	Typical
99	M192	N277B	N278B			RIGID	None	None	RIGID	Typical
100	M193	N280B	N279B			Antenna pipe	Column	Pipe	A53 Gr.B	Typical
101	M220A	N192	N317A			RIGID	None	None	RIGID	Typical
102	M221A	N191	N318A			RIGID	None	None	RIGID	Typical
103	M222A	N258	N322A			RIGID	None	None	RIGID	Typical
104	M223A	N257	N323A			RIGID	None	None	RIGID	Typical
105	M224A	N322A	N127A		180	Support rail co...	Beam	Single Angle	A36 Gr.36	Typical
106	M225A	N125A	N318A		180	Support rail co...	Beam	Single Angle	A36 Gr.36	Typical
107	M226A	N317A	N323A		180	Support rail co...	Beam	Single Angle	A36 Gr.36	Typical
108	M161A	N248B	N249A			RIGID	None	None	RIGID	Typical
109	M162	N251A	N250A		120	Antenna pipe	Column	Pipe	A53 Gr.B	Typical
110	M122	N213	N212			RIGID	None	None	RIGID	Typical
111	M123	N213	N214		120	RIGID	None	None	RIGID	Typical
112	M124	N216	N215			RIGID	None	None	RIGID	Typical
113	M125	N216	N217		240	RIGID	None	None	RIGID	Typical
114	M114B	N216A	N215A			RIGID	None	None	RIGID	Typical
115	M115A	N216A	N217A		240	RIGID	None	None	RIGID	Typical
116	M116A	N219	N218			RIGID	None	None	RIGID	Typical
117	M117A	N219	N220		360	RIGID	None	None	RIGID	Typical
118	M118A	N225A	N224A			RIGID	None	None	RIGID	Typical
119	M119A	N225A	N226A		360	RIGID	None	None	RIGID	Typical
120	M120A	N228	N227			RIGID	None	None	RIGID	Typical
121	M121A	N228	N229A		120	RIGID	None	None	RIGID	Typical
122	M125A	N232B	N235A		180	Mod SFS kit	Beam	RECT	A36 Gr.36	Typical
123	M126	N232B	N236A		90	Mod SFS kit	Beam	RECT	A36 Gr.36	Typical
124	M127	N233B	N239A		180	Mod SFS kit	Beam	RECT	A36 Gr.36	Typical
125	M128	N233B	N240A		90	Mod SFS kit	Beam	RECT	A36 Gr.36	Typical
126	M129	N234A	N243A		180	Mod SFS kit	Beam	RECT	A36 Gr.36	Typical
127	M130	N234A	N244A		90	Mod SFS kit	Beam	RECT	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M48	Standoff Arm	5.792	Segment	Segment	Lbyy			2.1	2.1		Lateral
2	M53	Standoff Ho...	2.25			Lbyy			.65	.65		Lateral
3	M54	Standoff Ho...	2.25			Lbyy			.65	.65		Lateral
4	M62	Platform Su...	2.6			Lbyy						Lateral
5	M63	Platform Su...	3.55			Lbyy						Lateral
6	M65	Platform Su...	1.651			Lbyy						Lateral
7	M66	Platform An...	3.717			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
8	M67	Platform An...	3.717			Lbyy						Lateral
9	M200	Face Horizo...	12.5			Lbyy						Lateral
10	M186A	Support Rail	12.5			Lbyy						Lateral
11	MP4A	Antenna pipe	6									Lateral
12	MP3A	Antenna pipe	6									Lateral
13	MP2A	Antenna pipe	6									Lateral
14	MP1A	Antenna pipe	6									Lateral
15	M113	Corner Angle	.75			Lbyy						Lateral
16	M41	Standoff Arm	5.792	Segment	Segment	Lbyy			2.1	2.1		Lateral
17	M44	Standoff Ho...	2.25			Lbyy			.65	.65		Lateral
18	M45	Standoff Ho...	2.25			Lbyy			.65	.65		Lateral
19	M53A	Platform Su...	2.6			Lbyy						Lateral
20	M54A	Platform Su...	3.55			Lbyy						Lateral
21	M56A	Platform Su...	1.651			Lbyy						Lateral
22	M57A	Platform An...	3.717			Lbyy						Lateral
23	M58A	Platform An...	3.717			Lbyy						Lateral
24	M61A	Corner Angle	.904			Lbyy						Lateral
25	M65A	Standoff Arm	5.792	Segment	Segment	Lbyy			2.1	2.1		Lateral
26	M68	Standoff Ho...	2.25			Lbyy			.65	.65		Lateral
27	M69	Standoff Ho...	2.25			Lbyy			.65	.65		Lateral
28	M77	Platform Su...	2.6			Lbyy						Lateral
29	M78	Platform Su...	3.55			Lbyy						Lateral
30	M80	Platform Su...	1.651			Lbyy						Lateral
31	M81	Platform An...	3.717			Lbyy						Lateral
32	M82	Platform An...	3.717			Lbyy						Lateral
33	M85	Corner Angle	.75			Lbyy						Lateral
34	M112A	Face Horizo...	12.508			Lbyy						Lateral
35	M117	Support Rail	12.5			Lbyy						Lateral
36	MP4C	Antenna pipe	6									Lateral
37	MP3C	Antenna pipe	6									Lateral
38	MP2C	Antenna pipe	6									Lateral
39	MP1C	Antenna pipe	6									Lateral
40	M152	Face Horizo...	12.508			Lbyy						Lateral
41	M157	Support Rail	12.5			Lbyy						Lateral
42	MP4B	Antenna pipe	6									Lateral
43	MP3B	Antenna pipe	6									Lateral
44	MP2B	Antenna pipe	6									Lateral
45	MP1B	Antenna pipe	6									Lateral
46	M193	Antenna pipe	5.792									Lateral
47	M224A	Support rail ...	1.5			Lbyy						Lateral
48	M225A	Support rail ...	1.5			Lbyy						Lateral
49	M226A	Support rail ...	1.5			Lbyy						Lateral
50	M162	Antenna pipe	4									Lateral
51	M125A	Mod SFS kit	4.194			Lbyy						Lateral
52	M126	Mod SFS kit	4.194			Lbyy						Lateral
53	M127	Mod SFS kit	4.194			Lbyy						Lateral
54	M128	Mod SFS kit	4.194			Lbyy						Lateral
55	M129	Mod SFS kit	4.194			Lbyy						Lateral
56	M130	Mod SFS kit	4.194			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-43.55	2.19
2	MP4A	My	-.022	2.19
3	MP4A	Mz	0	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP4A	Y	-43.55	4.19
5	MP4A	My	-.022	4.19
6	MP4A	Mz	0	4.19
7	MP4B	Y	-43.55	2.19
8	MP4B	My	.011	2.19
9	MP4B	Mz	-.019	2.19
10	MP4B	Y	-43.55	4.19
11	MP4B	My	.011	4.19
12	MP4B	Mz	-.019	4.19
13	MP4C	Y	-43.55	2.19
14	MP4C	My	.011	2.19
15	MP4C	Mz	.019	2.19
16	MP4C	Y	-43.55	4.19
17	MP4C	My	.011	4.19
18	MP4C	Mz	.019	4.19
19	MP2A	Y	-31.65	1.42
20	MP2A	My	-.036	1.42
21	MP2A	Mz	.024	1.42
22	MP2A	Y	-31.65	4.94
23	MP2A	My	-.036	4.94
24	MP2A	Mz	.024	4.94
25	MP2B	Y	-31.65	1.42
26	MP2B	My	-.003	1.42
27	MP2B	Mz	-.043	1.42
28	MP2B	Y	-31.65	4.94
29	MP2B	My	-.003	4.94
30	MP2B	Mz	-.043	4.94
31	MP2C	Y	-31.65	1.42
32	MP2C	My	.038	1.42
33	MP2C	Mz	.019	1.42
34	MP2C	Y	-31.65	4.94
35	MP2C	My	.038	4.94
36	MP2C	Mz	.019	4.94
37	MP2A	Y	-31.65	1.42
38	MP2A	My	-.036	1.42
39	MP2A	Mz	-.024	1.42
40	MP2A	Y	-31.65	4.94
41	MP2A	My	-.036	4.94
42	MP2A	Mz	-.024	4.94
43	MP2B	Y	-31.65	1.42
44	MP2B	My	.038	1.42
45	MP2B	Mz	-.019	1.42
46	MP2B	Y	-31.65	4.94
47	MP2B	My	.038	4.94
48	MP2B	Mz	-.019	4.94
49	MP2C	Y	-31.65	1.42
50	MP2C	My	-.003	1.42
51	MP2C	Mz	.043	1.42
52	MP2C	Y	-31.65	4.94
53	MP2C	My	-.003	4.94
54	MP2C	Mz	.043	4.94
55	MP2A	Y	-10.4	.5
56	MP2A	My	.004	.5
57	MP2A	Mz	0	.5
58	MP2B	Y	-10.4	.5
59	MP2B	My	-.002	.5
60	MP2B	Mz	.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2C	Y	-10.4	.5
62	MP2C	My	-.002	.5
63	MP2C	Mz	-.004	.5
64	MP3A	Y	-84.4	2.19
65	MP3A	My	.067	2.19
66	MP3A	Mz	0	2.19
67	MP3B	Y	-84.4	2.19
68	MP3B	My	.067	2.19
69	MP3B	Mz	0	2.19
70	MP3C	Y	-84.4	2.19
71	MP3C	My	.067	2.19
72	MP3C	Mz	0	2.19
73	MP2A	Y	-70.3	2.19
74	MP2A	My	.056	2.19
75	MP2A	Mz	0	2.19
76	MP2B	Y	-70.3	2.19
77	MP2B	My	-.028	2.19
78	MP2B	Mz	.048	2.19
79	MP2C	Y	-70.3	2.19
80	MP2C	My	-.028	2.19
81	MP2C	Mz	-.048	2.19
82	M193	Y	-26.9	2.79
83	M193	My	0	2.79
84	M193	Mz	0	2.79
85	M162	Y	-26.9	1
86	M162	My	0	1
87	M162	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-36.243	2.19
2	MP4A	My	-.018	2.19
3	MP4A	Mz	0	2.19
4	MP4A	Y	-36.243	4.19
5	MP4A	My	-.018	4.19
6	MP4A	Mz	0	4.19
7	MP4B	Y	-36.243	2.19
8	MP4B	My	.009	2.19
9	MP4B	Mz	-.016	2.19
10	MP4B	Y	-36.243	4.19
11	MP4B	My	.009	4.19
12	MP4B	Mz	-.016	4.19
13	MP4C	Y	-36.243	2.19
14	MP4C	My	.009	2.19
15	MP4C	Mz	.016	2.19
16	MP4C	Y	-36.243	4.19
17	MP4C	My	.009	4.19
18	MP4C	Mz	.016	4.19
19	MP2A	Y	-71.162	1.42
20	MP2A	My	-.08	1.42
21	MP2A	Mz	.053	1.42
22	MP2A	Y	-71.162	4.94
23	MP2A	My	-.08	4.94
24	MP2A	Mz	.053	4.94
25	MP2B	Y	-71.162	1.42
26	MP2B	My	-.006	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mz	-.096	1.42
28	MP2B	Y	-71.162	4.94
29	MP2B	My	-.006	4.94
30	MP2B	Mz	-.096	4.94
31	MP2C	Y	-71.162	1.42
32	MP2C	My	.086	1.42
33	MP2C	Mz	.043	1.42
34	MP2C	Y	-71.162	4.94
35	MP2C	My	.086	4.94
36	MP2C	Mz	.043	4.94
37	MP2A	Y	-71.162	1.42
38	MP2A	My	-.08	1.42
39	MP2A	Mz	-.053	1.42
40	MP2A	Y	-71.162	4.94
41	MP2A	My	-.08	4.94
42	MP2A	Mz	-.053	4.94
43	MP2B	Y	-71.162	1.42
44	MP2B	My	.086	1.42
45	MP2B	Mz	-.043	1.42
46	MP2B	Y	-71.162	4.94
47	MP2B	My	.086	4.94
48	MP2B	Mz	-.043	4.94
49	MP2C	Y	-71.162	1.42
50	MP2C	My	-.006	1.42
51	MP2C	Mz	.096	1.42
52	MP2C	Y	-71.162	4.94
53	MP2C	My	-.006	4.94
54	MP2C	Mz	.096	4.94
55	MP2A	Y	-10.957	.5
56	MP2A	My	.005	.5
57	MP2A	Mz	0	.5
58	MP2B	Y	-10.957	.5
59	MP2B	My	-.002	.5
60	MP2B	Mz	.004	.5
61	MP2C	Y	-10.957	.5
62	MP2C	My	-.002	.5
63	MP2C	Mz	-.004	.5
64	MP3A	Y	-45.705	2.19
65	MP3A	My	.036	2.19
66	MP3A	Mz	0	2.19
67	MP3B	Y	-45.705	2.19
68	MP3B	My	.036	2.19
69	MP3B	Mz	0	2.19
70	MP3C	Y	-45.705	2.19
71	MP3C	My	.036	2.19
72	MP3C	Mz	0	2.19
73	MP2A	Y	-41.109	2.19
74	MP2A	My	.033	2.19
75	MP2A	Mz	0	2.19
76	MP2B	Y	-41.109	2.19
77	MP2B	My	-.016	2.19
78	MP2B	Mz	.028	2.19
79	MP2C	Y	-41.109	2.19
80	MP2C	My	-.016	2.19
81	MP2C	Mz	-.028	2.19
82	M193	Y	-56.27	2.79
83	M193	My	0	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	M193	Mz	0	2.79
85	M162	Y	-56.27	1
86	M162	My	0	1
87	M162	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.19
2	MP4A	Z	-85.066	2.19
3	MP4A	Mx	0	2.19
4	MP4A	X	0	4.19
5	MP4A	Z	-85.066	4.19
6	MP4A	Mx	0	4.19
7	MP4B	X	0	2.19
8	MP4B	Z	-46.244	2.19
9	MP4B	Mx	.02	2.19
10	MP4B	X	0	4.19
11	MP4B	Z	-46.244	4.19
12	MP4B	Mx	.02	4.19
13	MP4C	X	0	2.19
14	MP4C	Z	-46.244	2.19
15	MP4C	Mx	-.02	2.19
16	MP4C	X	0	4.19
17	MP4C	Z	-46.244	4.19
18	MP4C	Mx	-.02	4.19
19	MP2A	X	0	1.42
20	MP2A	Z	-164.882	1.42
21	MP2A	Mx	-.124	1.42
22	MP2A	X	0	4.94
23	MP2A	Z	-164.882	4.94
24	MP2A	Mx	-.124	4.94
25	MP2B	X	0	1.42
26	MP2B	Z	-122.44	1.42
27	MP2B	Mx	.165	1.42
28	MP2B	X	0	4.94
29	MP2B	Z	-122.44	4.94
30	MP2B	Mx	.165	4.94
31	MP2C	X	0	1.42
32	MP2C	Z	-122.44	1.42
33	MP2C	Mx	-.073	1.42
34	MP2C	X	0	4.94
35	MP2C	Z	-122.44	4.94
36	MP2C	Mx	-.073	4.94
37	MP2A	X	0	1.42
38	MP2A	Z	-164.882	1.42
39	MP2A	Mx	.124	1.42
40	MP2A	X	0	4.94
41	MP2A	Z	-164.882	4.94
42	MP2A	Mx	.124	4.94
43	MP2B	X	0	1.42
44	MP2B	Z	-122.44	1.42
45	MP2B	Mx	.073	1.42
46	MP2B	X	0	4.94
47	MP2B	Z	-122.44	4.94
48	MP2B	Mx	.073	4.94
49	MP2C	X	0	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP2C	Z	-122.44	1.42
51	MP2C	Mx	-.165	1.42
52	MP2C	X	0	4.94
53	MP2C	Z	-122.44	4.94
54	MP2C	Mx	-.165	4.94
55	MP2A	X	0	.5
56	MP2A	Z	-13.393	.5
57	MP2A	Mx	0	.5
58	MP2B	X	0	.5
59	MP2B	Z	-10.298	.5
60	MP2B	Mx	-.004	.5
61	MP2C	X	0	.5
62	MP2C	Z	-10.298	.5
63	MP2C	Mx	.004	.5
64	MP3A	X	0	2.19
65	MP3A	Z	-67.69	2.19
66	MP3A	Mx	0	2.19
67	MP3B	X	0	2.19
68	MP3B	Z	-67.69	2.19
69	MP3B	Mx	0	2.19
70	MP3C	X	0	2.19
71	MP3C	Z	-67.69	2.19
72	MP3C	Mx	0	2.19
73	MP2A	X	0	2.19
74	MP2A	Z	-67.69	2.19
75	MP2A	Mx	0	2.19
76	MP2B	X	0	2.19
77	MP2B	Z	-44.411	2.19
78	MP2B	Mx	-.03	2.19
79	MP2C	X	0	2.19
80	MP2C	Z	-44.411	2.19
81	MP2C	Mx	.03	2.19
82	M193	X	0	2.79
83	M193	Z	-62.479	2.79
84	M193	Mx	0	2.79
85	M162	X	0	1
86	M162	Z	-62.479	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	36.062	2.19
2	MP4A	Z	-62.462	2.19
3	MP4A	Mx	-.018	2.19
4	MP4A	X	36.062	4.19
5	MP4A	Z	-62.462	4.19
6	MP4A	Mx	-.018	4.19
7	MP4B	X	16.651	2.19
8	MP4B	Z	-28.841	2.19
9	MP4B	Mx	.017	2.19
10	MP4B	X	16.651	4.19
11	MP4B	Z	-28.841	4.19
12	MP4B	Mx	.017	4.19
13	MP4C	X	36.062	2.19
14	MP4C	Z	-62.462	2.19
15	MP4C	Mx	-.018	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP4C	X	36.062	4.19
17	MP4C	Z	-62.462	4.19
18	MP4C	Mx	-.018	4.19
19	MP2A	X	75.367	1.42
20	MP2A	Z	-130.54	1.42
21	MP2A	Mx	-.183	1.42
22	MP2A	X	75.367	4.94
23	MP2A	Z	-130.54	4.94
24	MP2A	Mx	-.183	4.94
25	MP2B	X	54.146	1.42
26	MP2B	Z	-93.784	1.42
27	MP2B	Mx	.122	1.42
28	MP2B	X	54.146	4.94
29	MP2B	Z	-93.784	4.94
30	MP2B	Mx	.122	4.94
31	MP2C	X	75.367	1.42
32	MP2C	Z	-130.54	1.42
33	MP2C	Mx	.013	1.42
34	MP2C	X	75.367	4.94
35	MP2C	Z	-130.54	4.94
36	MP2C	Mx	.013	4.94
37	MP2A	X	75.367	1.42
38	MP2A	Z	-130.54	1.42
39	MP2A	Mx	.013	1.42
40	MP2A	X	75.367	4.94
41	MP2A	Z	-130.54	4.94
42	MP2A	Mx	.013	4.94
43	MP2B	X	54.146	1.42
44	MP2B	Z	-93.784	1.42
45	MP2B	Mx	.122	1.42
46	MP2B	X	54.146	4.94
47	MP2B	Z	-93.784	4.94
48	MP2B	Mx	.122	4.94
49	MP2C	X	75.367	1.42
50	MP2C	Z	-130.54	1.42
51	MP2C	Mx	-.183	1.42
52	MP2C	X	75.367	4.94
53	MP2C	Z	-130.54	4.94
54	MP2C	Mx	-.183	4.94
55	MP2A	X	6.181	.5
56	MP2A	Z	-10.705	.5
57	MP2A	Mx	.003	.5
58	MP2B	X	4.633	.5
59	MP2B	Z	-8.025	.5
60	MP2B	Mx	-.004	.5
61	MP2C	X	6.181	.5
62	MP2C	Z	-10.705	.5
63	MP2C	Mx	.003	.5
64	MP3A	X	31.04	2.19
65	MP3A	Z	-53.763	2.19
66	MP3A	Mx	.025	2.19
67	MP3B	X	31.04	2.19
68	MP3B	Z	-53.763	2.19
69	MP3B	Mx	.025	2.19
70	MP3C	X	31.04	2.19
71	MP3C	Z	-53.763	2.19
72	MP3C	Mx	.025	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP2A	X	29.965	2.19
74	MP2A	Z	-51.901	2.19
75	MP2A	Mx	.024	2.19
76	MP2B	X	18.325	2.19
77	MP2B	Z	-31.74	2.19
78	MP2B	Mx	-.029	2.19
79	MP2C	X	29.965	2.19
80	MP2C	Z	-51.901	2.19
81	MP2C	Mx	.024	2.19
82	M193	X	29.862	2.79
83	M193	Z	-51.723	2.79
84	M193	Mx	0	2.79
85	M162	X	29.862	1
86	M162	Z	-51.723	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	40.048	2.19
2	MP4A	Z	-23.122	2.19
3	MP4A	Mx	-.02	2.19
4	MP4A	X	40.048	4.19
5	MP4A	Z	-23.122	4.19
6	MP4A	Mx	-.02	4.19
7	MP4B	X	40.048	2.19
8	MP4B	Z	-23.122	2.19
9	MP4B	Mx	.02	2.19
10	MP4B	X	40.048	4.19
11	MP4B	Z	-23.122	4.19
12	MP4B	Mx	.02	4.19
13	MP4C	X	73.669	2.19
14	MP4C	Z	-42.533	2.19
15	MP4C	Mx	0	2.19
16	MP4C	X	73.669	4.19
17	MP4C	Z	-42.533	4.19
18	MP4C	Mx	0	4.19
19	MP2A	X	106.036	1.42
20	MP2A	Z	-61.22	1.42
21	MP2A	Mx	-.165	1.42
22	MP2A	X	106.036	4.94
23	MP2A	Z	-61.22	4.94
24	MP2A	Mx	-.165	4.94
25	MP2B	X	106.036	1.42
26	MP2B	Z	-61.22	1.42
27	MP2B	Mx	.073	1.42
28	MP2B	X	106.036	4.94
29	MP2B	Z	-61.22	4.94
30	MP2B	Mx	.073	4.94
31	MP2C	X	142.792	1.42
32	MP2C	Z	-82.441	1.42
33	MP2C	Mx	.124	1.42
34	MP2C	X	142.792	4.94
35	MP2C	Z	-82.441	4.94
36	MP2C	Mx	.124	4.94
37	MP2A	X	106.036	1.42
38	MP2A	Z	-61.22	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP2A	Mx	-.073	1.42
40	MP2A	X	106.036	4.94
41	MP2A	Z	-61.22	4.94
42	MP2A	Mx	-.073	4.94
43	MP2B	X	106.036	1.42
44	MP2B	Z	-61.22	1.42
45	MP2B	Mx	.165	1.42
46	MP2B	X	106.036	4.94
47	MP2B	Z	-61.22	4.94
48	MP2B	Mx	.165	4.94
49	MP2C	X	142.792	1.42
50	MP2C	Z	-82.441	1.42
51	MP2C	Mx	-.124	1.42
52	MP2C	X	142.792	4.94
53	MP2C	Z	-82.441	4.94
54	MP2C	Mx	-.124	4.94
55	MP2A	X	8.919	.5
56	MP2A	Z	-5.149	.5
57	MP2A	Mx	.004	.5
58	MP2B	X	8.919	.5
59	MP2B	Z	-5.149	.5
60	MP2B	Mx	-.004	.5
61	MP2C	X	11.599	.5
62	MP2C	Z	-6.697	.5
63	MP2C	Mx	0	.5
64	MP3A	X	44.045	2.19
65	MP3A	Z	-25.429	2.19
66	MP3A	Mx	.035	2.19
67	MP3B	X	44.045	2.19
68	MP3B	Z	-25.429	2.19
69	MP3B	Mx	.035	2.19
70	MP3C	X	44.045	2.19
71	MP3C	Z	-25.429	2.19
72	MP3C	Mx	.035	2.19
73	MP2A	X	38.461	2.19
74	MP2A	Z	-22.205	2.19
75	MP2A	Mx	.03	2.19
76	MP2B	X	38.461	2.19
77	MP2B	Z	-22.205	2.19
78	MP2B	Mx	-.03	2.19
79	MP2C	X	58.622	2.19
80	MP2C	Z	-33.845	2.19
81	MP2C	Mx	0	2.19
82	M193	X	62.247	2.79
83	M193	Z	-35.938	2.79
84	M193	Mx	0	2.79
85	M162	X	62.247	1
86	M162	Z	-35.938	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	33.303	2.19
2	MP4A	Z	0	2.19
3	MP4A	Mx	-.017	2.19
4	MP4A	X	33.303	4.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP4A	Z	0	4.19
6	MP4A	Mx	-.017	4.19
7	MP4B	X	72.125	2.19
8	MP4B	Z	0	2.19
9	MP4B	Mx	.018	2.19
10	MP4B	X	72.125	4.19
11	MP4B	Z	0	4.19
12	MP4B	Mx	.018	4.19
13	MP4C	X	72.125	2.19
14	MP4C	Z	0	2.19
15	MP4C	Mx	.018	2.19
16	MP4C	X	72.125	4.19
17	MP4C	Z	0	4.19
18	MP4C	Mx	.018	4.19
19	MP2A	X	108.293	1.42
20	MP2A	Z	0	1.42
21	MP2A	Mx	-.122	1.42
22	MP2A	X	108.293	4.94
23	MP2A	Z	0	4.94
24	MP2A	Mx	-.122	4.94
25	MP2B	X	150.735	1.42
26	MP2B	Z	0	1.42
27	MP2B	Mx	-.013	1.42
28	MP2B	X	150.735	4.94
29	MP2B	Z	0	4.94
30	MP2B	Mx	-.013	4.94
31	MP2C	X	150.735	1.42
32	MP2C	Z	0	1.42
33	MP2C	Mx	.183	1.42
34	MP2C	X	150.735	4.94
35	MP2C	Z	0	4.94
36	MP2C	Mx	.183	4.94
37	MP2A	X	108.293	1.42
38	MP2A	Z	0	1.42
39	MP2A	Mx	-.122	1.42
40	MP2A	X	108.293	4.94
41	MP2A	Z	0	4.94
42	MP2A	Mx	-.122	4.94
43	MP2B	X	150.735	1.42
44	MP2B	Z	0	1.42
45	MP2B	Mx	.183	1.42
46	MP2B	X	150.735	4.94
47	MP2B	Z	0	4.94
48	MP2B	Mx	.183	4.94
49	MP2C	X	150.735	1.42
50	MP2C	Z	0	1.42
51	MP2C	Mx	-.013	1.42
52	MP2C	X	150.735	4.94
53	MP2C	Z	0	4.94
54	MP2C	Mx	-.013	4.94
55	MP2A	X	9.267	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.004	.5
58	MP2B	X	12.362	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	-.003	.5
61	MP2C	X	12.362	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP2C	Z	0	.5
63	MP2C	Mx	-.003	.5
64	MP3A	X	45.248	2.19
65	MP3A	Z	0	2.19
66	MP3A	Mx	.036	2.19
67	MP3B	X	45.248	2.19
68	MP3B	Z	0	2.19
69	MP3B	Mx	.036	2.19
70	MP3C	X	45.248	2.19
71	MP3C	Z	0	2.19
72	MP3C	Mx	.036	2.19
73	MP2A	X	36.651	2.19
74	MP2A	Z	0	2.19
75	MP2A	Mx	.029	2.19
76	MP2B	X	59.93	2.19
77	MP2B	Z	0	2.19
78	MP2B	Mx	-.024	2.19
79	MP2C	X	59.93	2.19
80	MP2C	Z	0	2.19
81	MP2C	Mx	-.024	2.19
82	M193	X	86.784	2.79
83	M193	Z	0	2.79
84	M193	Mx	0	2.79
85	M162	X	86.784	1
86	M162	Z	0	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	40.048	2.19
2	MP4A	Z	23.122	2.19
3	MP4A	Mx	-.02	2.19
4	MP4A	X	40.048	4.19
5	MP4A	Z	23.122	4.19
6	MP4A	Mx	-.02	4.19
7	MP4B	X	73.669	2.19
8	MP4B	Z	42.533	2.19
9	MP4B	Mx	0	2.19
10	MP4B	X	73.669	4.19
11	MP4B	Z	42.533	4.19
12	MP4B	Mx	0	4.19
13	MP4C	X	40.048	2.19
14	MP4C	Z	23.122	2.19
15	MP4C	Mx	.02	2.19
16	MP4C	X	40.048	4.19
17	MP4C	Z	23.122	4.19
18	MP4C	Mx	.02	4.19
19	MP2A	X	106.036	1.42
20	MP2A	Z	61.22	1.42
21	MP2A	Mx	-.073	1.42
22	MP2A	X	106.036	4.94
23	MP2A	Z	61.22	4.94
24	MP2A	Mx	-.073	4.94
25	MP2B	X	142.792	1.42
26	MP2B	Z	82.441	1.42
27	MP2B	Mx	-.124	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	142.792	4.94
29	MP2B	Z	82.441	4.94
30	MP2B	Mx	-.124	4.94
31	MP2C	X	106.036	1.42
32	MP2C	Z	61.22	1.42
33	MP2C	Mx	.165	1.42
34	MP2C	X	106.036	4.94
35	MP2C	Z	61.22	4.94
36	MP2C	Mx	.165	4.94
37	MP2A	X	106.036	1.42
38	MP2A	Z	61.22	1.42
39	MP2A	Mx	-.165	1.42
40	MP2A	X	106.036	4.94
41	MP2A	Z	61.22	4.94
42	MP2A	Mx	-.165	4.94
43	MP2B	X	142.792	1.42
44	MP2B	Z	82.441	1.42
45	MP2B	Mx	.124	1.42
46	MP2B	X	142.792	4.94
47	MP2B	Z	82.441	4.94
48	MP2B	Mx	.124	4.94
49	MP2C	X	106.036	1.42
50	MP2C	Z	61.22	1.42
51	MP2C	Mx	.073	1.42
52	MP2C	X	106.036	4.94
53	MP2C	Z	61.22	4.94
54	MP2C	Mx	.073	4.94
55	MP2A	X	8.919	.5
56	MP2A	Z	5.149	.5
57	MP2A	Mx	.004	.5
58	MP2B	X	11.599	.5
59	MP2B	Z	6.697	.5
60	MP2B	Mx	0	.5
61	MP2C	X	8.919	.5
62	MP2C	Z	5.149	.5
63	MP2C	Mx	-.004	.5
64	MP3A	X	44.045	2.19
65	MP3A	Z	25.429	2.19
66	MP3A	Mx	.035	2.19
67	MP3B	X	44.045	2.19
68	MP3B	Z	25.429	2.19
69	MP3B	Mx	.035	2.19
70	MP3C	X	44.045	2.19
71	MP3C	Z	25.429	2.19
72	MP3C	Mx	.035	2.19
73	MP2A	X	38.461	2.19
74	MP2A	Z	22.205	2.19
75	MP2A	Mx	.03	2.19
76	MP2B	X	58.622	2.19
77	MP2B	Z	33.845	2.19
78	MP2B	Mx	0	2.19
79	MP2C	X	38.461	2.19
80	MP2C	Z	22.205	2.19
81	MP2C	Mx	-.03	2.19
82	M193	X	77.543	2.79
83	M193	Z	44.769	2.79
84	M193	Mx	0	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	M162	X	77.543	1
86	M162	Z	44.769	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	36.062	2.19
2	MP4A	Z	62.462	2.19
3	MP4A	Mx	-.018	2.19
4	MP4A	X	36.062	4.19
5	MP4A	Z	62.462	4.19
6	MP4A	Mx	-.018	4.19
7	MP4B	X	36.062	2.19
8	MP4B	Z	62.462	2.19
9	MP4B	Mx	-.018	2.19
10	MP4B	X	36.062	4.19
11	MP4B	Z	62.462	4.19
12	MP4B	Mx	-.018	4.19
13	MP4C	X	16.651	2.19
14	MP4C	Z	28.841	2.19
15	MP4C	Mx	.017	2.19
16	MP4C	X	16.651	4.19
17	MP4C	Z	28.841	4.19
18	MP4C	Mx	.017	4.19
19	MP2A	X	75.367	1.42
20	MP2A	Z	130.54	1.42
21	MP2A	Mx	.013	1.42
22	MP2A	X	75.367	4.94
23	MP2A	Z	130.54	4.94
24	MP2A	Mx	.013	4.94
25	MP2B	X	75.367	1.42
26	MP2B	Z	130.54	1.42
27	MP2B	Mx	-.183	1.42
28	MP2B	X	75.367	4.94
29	MP2B	Z	130.54	4.94
30	MP2B	Mx	-.183	4.94
31	MP2C	X	54.146	1.42
32	MP2C	Z	93.784	1.42
33	MP2C	Mx	.122	1.42
34	MP2C	X	54.146	4.94
35	MP2C	Z	93.784	4.94
36	MP2C	Mx	.122	4.94
37	MP2A	X	75.367	1.42
38	MP2A	Z	130.54	1.42
39	MP2A	Mx	-.183	1.42
40	MP2A	X	75.367	4.94
41	MP2A	Z	130.54	4.94
42	MP2A	Mx	-.183	4.94
43	MP2B	X	75.367	1.42
44	MP2B	Z	130.54	1.42
45	MP2B	Mx	.013	1.42
46	MP2B	X	75.367	4.94
47	MP2B	Z	130.54	4.94
48	MP2B	Mx	.013	4.94
49	MP2C	X	54.146	1.42
50	MP2C	Z	93.784	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP2C	Mx	.122	1.42
52	MP2C	X	54.146	4.94
53	MP2C	Z	93.784	4.94
54	MP2C	Mx	.122	4.94
55	MP2A	X	6.181	.5
56	MP2A	Z	10.705	.5
57	MP2A	Mx	.003	.5
58	MP2B	X	6.181	.5
59	MP2B	Z	10.705	.5
60	MP2B	Mx	.003	.5
61	MP2C	X	4.633	.5
62	MP2C	Z	8.025	.5
63	MP2C	Mx	-.004	.5
64	MP3A	X	31.04	2.19
65	MP3A	Z	53.763	2.19
66	MP3A	Mx	.025	2.19
67	MP3B	X	31.04	2.19
68	MP3B	Z	53.763	2.19
69	MP3B	Mx	.025	2.19
70	MP3C	X	31.04	2.19
71	MP3C	Z	53.763	2.19
72	MP3C	Mx	.025	2.19
73	MP2A	X	29.965	2.19
74	MP2A	Z	51.901	2.19
75	MP2A	Mx	.024	2.19
76	MP2B	X	29.965	2.19
77	MP2B	Z	51.901	2.19
78	MP2B	Mx	.024	2.19
79	MP2C	X	18.325	2.19
80	MP2C	Z	31.74	2.19
81	MP2C	Mx	-.029	2.19
82	M193	X	38.693	2.79
83	M193	Z	67.018	2.79
84	M193	Mx	0	2.79
85	M162	X	38.693	1
86	M162	Z	67.018	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.19
2	MP4A	Z	85.066	2.19
3	MP4A	Mx	0	2.19
4	MP4A	X	0	4.19
5	MP4A	Z	85.066	4.19
6	MP4A	Mx	0	4.19
7	MP4B	X	0	2.19
8	MP4B	Z	46.244	2.19
9	MP4B	Mx	-.02	2.19
10	MP4B	X	0	4.19
11	MP4B	Z	46.244	4.19
12	MP4B	Mx	-.02	4.19
13	MP4C	X	0	2.19
14	MP4C	Z	46.244	2.19
15	MP4C	Mx	.02	2.19
16	MP4C	X	0	4.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP4C	Z	46.244	4.19
18	MP4C	Mx	.02	4.19
19	MP2A	X	0	1.42
20	MP2A	Z	164.882	1.42
21	MP2A	Mx	.124	1.42
22	MP2A	X	0	4.94
23	MP2A	Z	164.882	4.94
24	MP2A	Mx	.124	4.94
25	MP2B	X	0	1.42
26	MP2B	Z	122.44	1.42
27	MP2B	Mx	-.165	1.42
28	MP2B	X	0	4.94
29	MP2B	Z	122.44	4.94
30	MP2B	Mx	-.165	4.94
31	MP2C	X	0	1.42
32	MP2C	Z	122.44	1.42
33	MP2C	Mx	.073	1.42
34	MP2C	X	0	4.94
35	MP2C	Z	122.44	4.94
36	MP2C	Mx	.073	4.94
37	MP2A	X	0	1.42
38	MP2A	Z	164.882	1.42
39	MP2A	Mx	-.124	1.42
40	MP2A	X	0	4.94
41	MP2A	Z	164.882	4.94
42	MP2A	Mx	-.124	4.94
43	MP2B	X	0	1.42
44	MP2B	Z	122.44	1.42
45	MP2B	Mx	-.073	1.42
46	MP2B	X	0	4.94
47	MP2B	Z	122.44	4.94
48	MP2B	Mx	-.073	4.94
49	MP2C	X	0	1.42
50	MP2C	Z	122.44	1.42
51	MP2C	Mx	.165	1.42
52	MP2C	X	0	4.94
53	MP2C	Z	122.44	4.94
54	MP2C	Mx	.165	4.94
55	MP2A	X	0	.5
56	MP2A	Z	13.393	.5
57	MP2A	Mx	0	.5
58	MP2B	X	0	.5
59	MP2B	Z	10.298	.5
60	MP2B	Mx	.004	.5
61	MP2C	X	0	.5
62	MP2C	Z	10.298	.5
63	MP2C	Mx	-.004	.5
64	MP3A	X	0	2.19
65	MP3A	Z	67.69	2.19
66	MP3A	Mx	0	2.19
67	MP3B	X	0	2.19
68	MP3B	Z	67.69	2.19
69	MP3B	Mx	0	2.19
70	MP3C	X	0	2.19
71	MP3C	Z	67.69	2.19
72	MP3C	Mx	0	2.19
73	MP2A	X	0	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2A	Z	67.69	2.19
75	MP2A	Mx	0	2.19
76	MP2B	X	0	2.19
77	MP2B	Z	44.411	2.19
78	MP2B	Mx	.03	2.19
79	MP2C	X	0	2.19
80	MP2C	Z	44.411	2.19
81	MP2C	Mx	-.03	2.19
82	M193	X	0	2.79
83	M193	Z	62.479	2.79
84	M193	Mx	0	2.79
85	M162	X	0	1
86	M162	Z	62.479	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-36.062	2.19
2	MP4A	Z	62.462	2.19
3	MP4A	Mx	.018	2.19
4	MP4A	X	-36.062	4.19
5	MP4A	Z	62.462	4.19
6	MP4A	Mx	.018	4.19
7	MP4B	X	-16.651	2.19
8	MP4B	Z	28.841	2.19
9	MP4B	Mx	-.017	2.19
10	MP4B	X	-16.651	4.19
11	MP4B	Z	28.841	4.19
12	MP4B	Mx	-.017	4.19
13	MP4C	X	-36.062	2.19
14	MP4C	Z	62.462	2.19
15	MP4C	Mx	.018	2.19
16	MP4C	X	-36.062	4.19
17	MP4C	Z	62.462	4.19
18	MP4C	Mx	.018	4.19
19	MP2A	X	-75.367	1.42
20	MP2A	Z	130.54	1.42
21	MP2A	Mx	.183	1.42
22	MP2A	X	-75.367	4.94
23	MP2A	Z	130.54	4.94
24	MP2A	Mx	.183	4.94
25	MP2B	X	-54.146	1.42
26	MP2B	Z	93.784	1.42
27	MP2B	Mx	-.122	1.42
28	MP2B	X	-54.146	4.94
29	MP2B	Z	93.784	4.94
30	MP2B	Mx	-.122	4.94
31	MP2C	X	-75.367	1.42
32	MP2C	Z	130.54	1.42
33	MP2C	Mx	-.013	1.42
34	MP2C	X	-75.367	4.94
35	MP2C	Z	130.54	4.94
36	MP2C	Mx	-.013	4.94
37	MP2A	X	-75.367	1.42
38	MP2A	Z	130.54	1.42
39	MP2A	Mx	-.013	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	-75.367	4.94
41	MP2A	Z	130.54	4.94
42	MP2A	Mx	-.013	4.94
43	MP2B	X	-54.146	1.42
44	MP2B	Z	93.784	1.42
45	MP2B	Mx	-.122	1.42
46	MP2B	X	-54.146	4.94
47	MP2B	Z	93.784	4.94
48	MP2B	Mx	-.122	4.94
49	MP2C	X	-75.367	1.42
50	MP2C	Z	130.54	1.42
51	MP2C	Mx	.183	1.42
52	MP2C	X	-75.367	4.94
53	MP2C	Z	130.54	4.94
54	MP2C	Mx	.183	4.94
55	MP2A	X	-6.181	.5
56	MP2A	Z	10.705	.5
57	MP2A	Mx	-.003	.5
58	MP2B	X	-4.633	.5
59	MP2B	Z	8.025	.5
60	MP2B	Mx	.004	.5
61	MP2C	X	-6.181	.5
62	MP2C	Z	10.705	.5
63	MP2C	Mx	-.003	.5
64	MP3A	X	-31.04	2.19
65	MP3A	Z	53.763	2.19
66	MP3A	Mx	-.025	2.19
67	MP3B	X	-31.04	2.19
68	MP3B	Z	53.763	2.19
69	MP3B	Mx	-.025	2.19
70	MP3C	X	-31.04	2.19
71	MP3C	Z	53.763	2.19
72	MP3C	Mx	-.025	2.19
73	MP2A	X	-29.965	2.19
74	MP2A	Z	51.901	2.19
75	MP2A	Mx	-.024	2.19
76	MP2B	X	-18.325	2.19
77	MP2B	Z	31.74	2.19
78	MP2B	Mx	.029	2.19
79	MP2C	X	-29.965	2.19
80	MP2C	Z	51.901	2.19
81	MP2C	Mx	-.024	2.19
82	M193	X	-29.862	2.79
83	M193	Z	51.723	2.79
84	M193	Mx	0	2.79
85	M162	X	-29.862	1
86	M162	Z	51.723	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-40.048	2.19
2	MP4A	Z	23.122	2.19
3	MP4A	Mx	.02	2.19
4	MP4A	X	-40.048	4.19
5	MP4A	Z	23.122	4.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP4A	Mx	.02	4.19
7	MP4B	X	-40.048	2.19
8	MP4B	Z	23.122	2.19
9	MP4B	Mx	-.02	2.19
10	MP4B	X	-40.048	4.19
11	MP4B	Z	23.122	4.19
12	MP4B	Mx	-.02	4.19
13	MP4C	X	-73.669	2.19
14	MP4C	Z	42.533	2.19
15	MP4C	Mx	0	2.19
16	MP4C	X	-73.669	4.19
17	MP4C	Z	42.533	4.19
18	MP4C	Mx	0	4.19
19	MP2A	X	-106.036	1.42
20	MP2A	Z	61.22	1.42
21	MP2A	Mx	.165	1.42
22	MP2A	X	-106.036	4.94
23	MP2A	Z	61.22	4.94
24	MP2A	Mx	.165	4.94
25	MP2B	X	-106.036	1.42
26	MP2B	Z	61.22	1.42
27	MP2B	Mx	-.073	1.42
28	MP2B	X	-106.036	4.94
29	MP2B	Z	61.22	4.94
30	MP2B	Mx	-.073	4.94
31	MP2C	X	-142.792	1.42
32	MP2C	Z	82.441	1.42
33	MP2C	Mx	-.124	1.42
34	MP2C	X	-142.792	4.94
35	MP2C	Z	82.441	4.94
36	MP2C	Mx	-.124	4.94
37	MP2A	X	-106.036	1.42
38	MP2A	Z	61.22	1.42
39	MP2A	Mx	.073	1.42
40	MP2A	X	-106.036	4.94
41	MP2A	Z	61.22	4.94
42	MP2A	Mx	.073	4.94
43	MP2B	X	-106.036	1.42
44	MP2B	Z	61.22	1.42
45	MP2B	Mx	-.165	1.42
46	MP2B	X	-106.036	4.94
47	MP2B	Z	61.22	4.94
48	MP2B	Mx	-.165	4.94
49	MP2C	X	-142.792	1.42
50	MP2C	Z	82.441	1.42
51	MP2C	Mx	.124	1.42
52	MP2C	X	-142.792	4.94
53	MP2C	Z	82.441	4.94
54	MP2C	Mx	.124	4.94
55	MP2A	X	-8.919	.5
56	MP2A	Z	5.149	.5
57	MP2A	Mx	-.004	.5
58	MP2B	X	-8.919	.5
59	MP2B	Z	5.149	.5
60	MP2B	Mx	.004	.5
61	MP2C	X	-11.599	.5
62	MP2C	Z	6.697	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	0	.5
64	MP3A	X	-44.045	2.19
65	MP3A	Z	25.429	2.19
66	MP3A	Mx	-.035	2.19
67	MP3B	X	-44.045	2.19
68	MP3B	Z	25.429	2.19
69	MP3B	Mx	-.035	2.19
70	MP3C	X	-44.045	2.19
71	MP3C	Z	25.429	2.19
72	MP3C	Mx	-.035	2.19
73	MP2A	X	-38.461	2.19
74	MP2A	Z	22.205	2.19
75	MP2A	Mx	-.03	2.19
76	MP2B	X	-38.461	2.19
77	MP2B	Z	22.205	2.19
78	MP2B	Mx	.03	2.19
79	MP2C	X	-58.622	2.19
80	MP2C	Z	33.845	2.19
81	MP2C	Mx	0	2.19
82	M193	X	-62.247	2.79
83	M193	Z	35.938	2.79
84	M193	Mx	0	2.79
85	M162	X	-62.247	1
86	M162	Z	35.938	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-33.303	2.19
2	MP4A	Z	0	2.19
3	MP4A	Mx	.017	2.19
4	MP4A	X	-33.303	4.19
5	MP4A	Z	0	4.19
6	MP4A	Mx	.017	4.19
7	MP4B	X	-72.125	2.19
8	MP4B	Z	0	2.19
9	MP4B	Mx	-.018	2.19
10	MP4B	X	-72.125	4.19
11	MP4B	Z	0	4.19
12	MP4B	Mx	-.018	4.19
13	MP4C	X	-72.125	2.19
14	MP4C	Z	0	2.19
15	MP4C	Mx	-.018	2.19
16	MP4C	X	-72.125	4.19
17	MP4C	Z	0	4.19
18	MP4C	Mx	-.018	4.19
19	MP2A	X	-108.293	1.42
20	MP2A	Z	0	1.42
21	MP2A	Mx	.122	1.42
22	MP2A	X	-108.293	4.94
23	MP2A	Z	0	4.94
24	MP2A	Mx	.122	4.94
25	MP2B	X	-150.735	1.42
26	MP2B	Z	0	1.42
27	MP2B	Mx	.013	1.42
28	MP2B	X	-150.735	4.94

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	0	4.94
30	MP2B	Mx	.013	4.94
31	MP2C	X	-150.735	1.42
32	MP2C	Z	0	1.42
33	MP2C	Mx	-.183	1.42
34	MP2C	X	-150.735	4.94
35	MP2C	Z	0	4.94
36	MP2C	Mx	-.183	4.94
37	MP2A	X	-108.293	1.42
38	MP2A	Z	0	1.42
39	MP2A	Mx	.122	1.42
40	MP2A	X	-108.293	4.94
41	MP2A	Z	0	4.94
42	MP2A	Mx	.122	4.94
43	MP2B	X	-150.735	1.42
44	MP2B	Z	0	1.42
45	MP2B	Mx	-.183	1.42
46	MP2B	X	-150.735	4.94
47	MP2B	Z	0	4.94
48	MP2B	Mx	-.183	4.94
49	MP2C	X	-150.735	1.42
50	MP2C	Z	0	1.42
51	MP2C	Mx	.013	1.42
52	MP2C	X	-150.735	4.94
53	MP2C	Z	0	4.94
54	MP2C	Mx	.013	4.94
55	MP2A	X	-9.267	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.004	.5
58	MP2B	X	-12.362	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	.003	.5
61	MP2C	X	-12.362	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	.003	.5
64	MP3A	X	-45.248	2.19
65	MP3A	Z	0	2.19
66	MP3A	Mx	-.036	2.19
67	MP3B	X	-45.248	2.19
68	MP3B	Z	0	2.19
69	MP3B	Mx	-.036	2.19
70	MP3C	X	-45.248	2.19
71	MP3C	Z	0	2.19
72	MP3C	Mx	-.036	2.19
73	MP2A	X	-36.651	2.19
74	MP2A	Z	0	2.19
75	MP2A	Mx	-.029	2.19
76	MP2B	X	-59.93	2.19
77	MP2B	Z	0	2.19
78	MP2B	Mx	.024	2.19
79	MP2C	X	-59.93	2.19
80	MP2C	Z	0	2.19
81	MP2C	Mx	.024	2.19
82	M193	X	-86.784	2.79
83	M193	Z	0	2.79
84	M193	Mx	0	2.79
85	M162	X	-86.784	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	M162	Z	0	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-40.048	2.19
2	MP4A	Z	-23.122	2.19
3	MP4A	Mx	.02	2.19
4	MP4A	X	-40.048	4.19
5	MP4A	Z	-23.122	4.19
6	MP4A	Mx	.02	4.19
7	MP4B	X	-73.669	2.19
8	MP4B	Z	-42.533	2.19
9	MP4B	Mx	0	2.19
10	MP4B	X	-73.669	4.19
11	MP4B	Z	-42.533	4.19
12	MP4B	Mx	0	4.19
13	MP4C	X	-40.048	2.19
14	MP4C	Z	-23.122	2.19
15	MP4C	Mx	-.02	2.19
16	MP4C	X	-40.048	4.19
17	MP4C	Z	-23.122	4.19
18	MP4C	Mx	-.02	4.19
19	MP2A	X	-106.036	1.42
20	MP2A	Z	-61.22	1.42
21	MP2A	Mx	.073	1.42
22	MP2A	X	-106.036	4.94
23	MP2A	Z	-61.22	4.94
24	MP2A	Mx	.073	4.94
25	MP2B	X	-142.792	1.42
26	MP2B	Z	-82.441	1.42
27	MP2B	Mx	.124	1.42
28	MP2B	X	-142.792	4.94
29	MP2B	Z	-82.441	4.94
30	MP2B	Mx	.124	4.94
31	MP2C	X	-106.036	1.42
32	MP2C	Z	-61.22	1.42
33	MP2C	Mx	-.165	1.42
34	MP2C	X	-106.036	4.94
35	MP2C	Z	-61.22	4.94
36	MP2C	Mx	-.165	4.94
37	MP2A	X	-106.036	1.42
38	MP2A	Z	-61.22	1.42
39	MP2A	Mx	.165	1.42
40	MP2A	X	-106.036	4.94
41	MP2A	Z	-61.22	4.94
42	MP2A	Mx	.165	4.94
43	MP2B	X	-142.792	1.42
44	MP2B	Z	-82.441	1.42
45	MP2B	Mx	-.124	1.42
46	MP2B	X	-142.792	4.94
47	MP2B	Z	-82.441	4.94
48	MP2B	Mx	-.124	4.94
49	MP2C	X	-106.036	1.42
50	MP2C	Z	-61.22	1.42
51	MP2C	Mx	-.073	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	X	-106.036	4.94
53	MP2C	Z	-61.22	4.94
54	MP2C	Mx	-.073	4.94
55	MP2A	X	-8.919	.5
56	MP2A	Z	-5.149	.5
57	MP2A	Mx	-.004	.5
58	MP2B	X	-11.599	.5
59	MP2B	Z	-6.697	.5
60	MP2B	Mx	0	.5
61	MP2C	X	-8.919	.5
62	MP2C	Z	-5.149	.5
63	MP2C	Mx	.004	.5
64	MP3A	X	-44.045	2.19
65	MP3A	Z	-25.429	2.19
66	MP3A	Mx	-.035	2.19
67	MP3B	X	-44.045	2.19
68	MP3B	Z	-25.429	2.19
69	MP3B	Mx	-.035	2.19
70	MP3C	X	-44.045	2.19
71	MP3C	Z	-25.429	2.19
72	MP3C	Mx	-.035	2.19
73	MP2A	X	-38.461	2.19
74	MP2A	Z	-22.205	2.19
75	MP2A	Mx	-.03	2.19
76	MP2B	X	-58.622	2.19
77	MP2B	Z	-33.845	2.19
78	MP2B	Mx	0	2.19
79	MP2C	X	-38.461	2.19
80	MP2C	Z	-22.205	2.19
81	MP2C	Mx	.03	2.19
82	M193	X	-77.543	2.79
83	M193	Z	-44.769	2.79
84	M193	Mx	0	2.79
85	M162	X	-77.543	1
86	M162	Z	-44.769	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-36.062	2.19
2	MP4A	Z	-62.462	2.19
3	MP4A	Mx	.018	2.19
4	MP4A	X	-36.062	4.19
5	MP4A	Z	-62.462	4.19
6	MP4A	Mx	.018	4.19
7	MP4B	X	-36.062	2.19
8	MP4B	Z	-62.462	2.19
9	MP4B	Mx	.018	2.19
10	MP4B	X	-36.062	4.19
11	MP4B	Z	-62.462	4.19
12	MP4B	Mx	.018	4.19
13	MP4C	X	-16.651	2.19
14	MP4C	Z	-28.841	2.19
15	MP4C	Mx	-.017	2.19
16	MP4C	X	-16.651	4.19
17	MP4C	Z	-28.841	4.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	-.017	4.19
19	MP2A	X	-75.367	1.42
20	MP2A	Z	-130.54	1.42
21	MP2A	Mx	-.013	1.42
22	MP2A	X	-75.367	4.94
23	MP2A	Z	-130.54	4.94
24	MP2A	Mx	-.013	4.94
25	MP2B	X	-75.367	1.42
26	MP2B	Z	-130.54	1.42
27	MP2B	Mx	.183	1.42
28	MP2B	X	-75.367	4.94
29	MP2B	Z	-130.54	4.94
30	MP2B	Mx	.183	4.94
31	MP2C	X	-54.146	1.42
32	MP2C	Z	-93.784	1.42
33	MP2C	Mx	-.122	1.42
34	MP2C	X	-54.146	4.94
35	MP2C	Z	-93.784	4.94
36	MP2C	Mx	-.122	4.94
37	MP2A	X	-75.367	1.42
38	MP2A	Z	-130.54	1.42
39	MP2A	Mx	.183	1.42
40	MP2A	X	-75.367	4.94
41	MP2A	Z	-130.54	4.94
42	MP2A	Mx	.183	4.94
43	MP2B	X	-75.367	1.42
44	MP2B	Z	-130.54	1.42
45	MP2B	Mx	-.013	1.42
46	MP2B	X	-75.367	4.94
47	MP2B	Z	-130.54	4.94
48	MP2B	Mx	-.013	4.94
49	MP2C	X	-54.146	1.42
50	MP2C	Z	-93.784	1.42
51	MP2C	Mx	-.122	1.42
52	MP2C	X	-54.146	4.94
53	MP2C	Z	-93.784	4.94
54	MP2C	Mx	-.122	4.94
55	MP2A	X	-6.181	.5
56	MP2A	Z	-10.705	.5
57	MP2A	Mx	-.003	.5
58	MP2B	X	-6.181	.5
59	MP2B	Z	-10.705	.5
60	MP2B	Mx	-.003	.5
61	MP2C	X	-4.633	.5
62	MP2C	Z	-8.025	.5
63	MP2C	Mx	.004	.5
64	MP3A	X	-31.04	2.19
65	MP3A	Z	-53.763	2.19
66	MP3A	Mx	-.025	2.19
67	MP3B	X	-31.04	2.19
68	MP3B	Z	-53.763	2.19
69	MP3B	Mx	-.025	2.19
70	MP3C	X	-31.04	2.19
71	MP3C	Z	-53.763	2.19
72	MP3C	Mx	-.025	2.19
73	MP2A	X	-29.965	2.19
74	MP2A	Z	-51.901	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2A	Mx	-.024	2.19
76	MP2B	X	-29.965	2.19
77	MP2B	Z	-51.901	2.19
78	MP2B	Mx	-.024	2.19
79	MP2C	X	-18.325	2.19
80	MP2C	Z	-31.74	2.19
81	MP2C	Mx	.029	2.19
82	M193	X	-38.693	2.79
83	M193	Z	-67.018	2.79
84	M193	Mx	0	2.79
85	M162	X	-38.693	1
86	M162	Z	-67.018	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.19
2	MP4A	Z	-16.171	2.19
3	MP4A	Mx	0	2.19
4	MP4A	X	0	4.19
5	MP4A	Z	-16.171	4.19
6	MP4A	Mx	0	4.19
7	MP4B	X	0	2.19
8	MP4B	Z	-9.216	2.19
9	MP4B	Mx	.004	2.19
10	MP4B	X	0	4.19
11	MP4B	Z	-9.216	4.19
12	MP4B	Mx	.004	4.19
13	MP4C	X	0	2.19
14	MP4C	Z	-9.216	2.19
15	MP4C	Mx	-.004	2.19
16	MP4C	X	0	4.19
17	MP4C	Z	-9.216	4.19
18	MP4C	Mx	-.004	4.19
19	MP2A	X	0	1.42
20	MP2A	Z	-30.392	1.42
21	MP2A	Mx	-.023	1.42
22	MP2A	X	0	4.94
23	MP2A	Z	-30.392	4.94
24	MP2A	Mx	-.023	4.94
25	MP2B	X	0	1.42
26	MP2B	Z	-23.156	1.42
27	MP2B	Mx	.031	1.42
28	MP2B	X	0	4.94
29	MP2B	Z	-23.156	4.94
30	MP2B	Mx	.031	4.94
31	MP2C	X	0	1.42
32	MP2C	Z	-23.156	1.42
33	MP2C	Mx	-.014	1.42
34	MP2C	X	0	4.94
35	MP2C	Z	-23.156	4.94
36	MP2C	Mx	-.014	4.94
37	MP2A	X	0	1.42
38	MP2A	Z	-30.392	1.42
39	MP2A	Mx	.023	1.42
40	MP2A	X	0	4.94

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP2A	Z	-30.392	4.94
42	MP2A	Mx	.023	4.94
43	MP2B	X	0	1.42
44	MP2B	Z	-23.156	1.42
45	MP2B	Mx	.014	1.42
46	MP2B	X	0	4.94
47	MP2B	Z	-23.156	4.94
48	MP2B	Mx	.014	4.94
49	MP2C	X	0	1.42
50	MP2C	Z	-23.156	1.42
51	MP2C	Mx	-.031	1.42
52	MP2C	X	0	4.94
53	MP2C	Z	-23.156	4.94
54	MP2C	Mx	-.031	4.94
55	MP2A	X	0	.5
56	MP2A	Z	-3.322	.5
57	MP2A	Mx	0	.5
58	MP2B	X	0	.5
59	MP2B	Z	-2.702	.5
60	MP2B	Mx	-.000975	.5
61	MP2C	X	0	.5
62	MP2C	Z	-2.702	.5
63	MP2C	Mx	.000975	.5
64	MP3A	X	0	2.19
65	MP3A	Z	-13.641	2.19
66	MP3A	Mx	0	2.19
67	MP3B	X	0	2.19
68	MP3B	Z	-13.641	2.19
69	MP3B	Mx	0	2.19
70	MP3C	X	0	2.19
71	MP3C	Z	-13.641	2.19
72	MP3C	Mx	0	2.19
73	MP2A	X	0	2.19
74	MP2A	Z	-13.641	2.19
75	MP2A	Mx	0	2.19
76	MP2B	X	0	2.19
77	MP2B	Z	-9.35	2.19
78	MP2B	Mx	-.006	2.19
79	MP2C	X	0	2.19
80	MP2C	Z	-9.35	2.19
81	MP2C	Mx	.006	2.19
82	M193	X	0	2.79
83	M193	Z	-12.731	2.79
84	M193	Mx	0	2.79
85	M162	X	0	1
86	M162	Z	-12.731	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	6.926	2.19
2	MP4A	Z	-11.997	2.19
3	MP4A	Mx	-.003	2.19
4	MP4A	X	6.926	4.19
5	MP4A	Z	-11.997	4.19
6	MP4A	Mx	-.003	4.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP4B	X	3.449	2.19
8	MP4B	Z	-5.974	2.19
9	MP4B	Mx	.003	2.19
10	MP4B	X	3.449	4.19
11	MP4B	Z	-5.974	4.19
12	MP4B	Mx	.003	4.19
13	MP4C	X	6.926	2.19
14	MP4C	Z	-11.997	2.19
15	MP4C	Mx	-.003	2.19
16	MP4C	X	6.926	4.19
17	MP4C	Z	-11.997	4.19
18	MP4C	Mx	-.003	4.19
19	MP2A	X	13.99	1.42
20	MP2A	Z	-24.231	1.42
21	MP2A	Mx	-.034	1.42
22	MP2A	X	13.99	4.94
23	MP2A	Z	-24.231	4.94
24	MP2A	Mx	-.034	4.94
25	MP2B	X	10.372	1.42
26	MP2B	Z	-17.965	1.42
27	MP2B	Mx	.023	1.42
28	MP2B	X	10.372	4.94
29	MP2B	Z	-17.965	4.94
30	MP2B	Mx	.023	4.94
31	MP2C	X	13.99	1.42
32	MP2C	Z	-24.231	1.42
33	MP2C	Mx	.002	1.42
34	MP2C	X	13.99	4.94
35	MP2C	Z	-24.231	4.94
36	MP2C	Mx	.002	4.94
37	MP2A	X	13.99	1.42
38	MP2A	Z	-24.231	1.42
39	MP2A	Mx	.002	1.42
40	MP2A	X	13.99	4.94
41	MP2A	Z	-24.231	4.94
42	MP2A	Mx	.002	4.94
43	MP2B	X	10.372	1.42
44	MP2B	Z	-17.965	1.42
45	MP2B	Mx	.023	1.42
46	MP2B	X	10.372	4.94
47	MP2B	Z	-17.965	4.94
48	MP2B	Mx	.023	4.94
49	MP2C	X	13.99	1.42
50	MP2C	Z	-24.231	1.42
51	MP2C	Mx	-.034	1.42
52	MP2C	X	13.99	4.94
53	MP2C	Z	-24.231	4.94
54	MP2C	Mx	-.034	4.94
55	MP2A	X	1.557	.5
56	MP2A	Z	-2.698	.5
57	MP2A	Mx	.000649	.5
58	MP2B	X	1.248	.5
59	MP2B	Z	-2.161	.5
60	MP2B	Mx	-.001	.5
61	MP2C	X	1.557	.5
62	MP2C	Z	-2.698	.5
63	MP2C	Mx	.000649	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3A	X	6.302	2.19
65	MP3A	Z	-10.916	2.19
66	MP3A	Mx	.005	2.19
67	MP3B	X	6.302	2.19
68	MP3B	Z	-10.916	2.19
69	MP3B	Mx	.005	2.19
70	MP3C	X	6.302	2.19
71	MP3C	Z	-10.916	2.19
72	MP3C	Mx	.005	2.19
73	MP2A	X	6.105	2.19
74	MP2A	Z	-10.575	2.19
75	MP2A	Mx	.005	2.19
76	MP2B	X	3.96	2.19
77	MP2B	Z	-6.858	2.19
78	MP2B	Mx	-.006	2.19
79	MP2C	X	6.105	2.19
80	MP2C	Z	-10.575	2.19
81	MP2C	Mx	.005	2.19
82	M193	X	6.118	2.79
83	M193	Z	-10.596	2.79
84	M193	Mx	0	2.79
85	M162	X	6.118	1
86	M162	Z	-10.596	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.981	2.19
2	MP4A	Z	-4.608	2.19
3	MP4A	Mx	-.004	2.19
4	MP4A	X	7.981	4.19
5	MP4A	Z	-4.608	4.19
6	MP4A	Mx	-.004	4.19
7	MP4B	X	7.981	2.19
8	MP4B	Z	-4.608	2.19
9	MP4B	Mx	.004	2.19
10	MP4B	X	7.981	4.19
11	MP4B	Z	-4.608	4.19
12	MP4B	Mx	.004	4.19
13	MP4C	X	14.005	2.19
14	MP4C	Z	-8.086	2.19
15	MP4C	Mx	0	2.19
16	MP4C	X	14.005	4.19
17	MP4C	Z	-8.086	4.19
18	MP4C	Mx	0	4.19
19	MP2A	X	20.054	1.42
20	MP2A	Z	-11.578	1.42
21	MP2A	Mx	-.031	1.42
22	MP2A	X	20.054	4.94
23	MP2A	Z	-11.578	4.94
24	MP2A	Mx	-.031	4.94
25	MP2B	X	20.054	1.42
26	MP2B	Z	-11.578	1.42
27	MP2B	Mx	.014	1.42
28	MP2B	X	20.054	4.94
29	MP2B	Z	-11.578	4.94

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	.014	4.94
31	MP2C	X	26.32	1.42
32	MP2C	Z	-15.196	1.42
33	MP2C	Mx	.023	1.42
34	MP2C	X	26.32	4.94
35	MP2C	Z	-15.196	4.94
36	MP2C	Mx	.023	4.94
37	MP2A	X	20.054	1.42
38	MP2A	Z	-11.578	1.42
39	MP2A	Mx	-.014	1.42
40	MP2A	X	20.054	4.94
41	MP2A	Z	-11.578	4.94
42	MP2A	Mx	-.014	4.94
43	MP2B	X	20.054	1.42
44	MP2B	Z	-11.578	1.42
45	MP2B	Mx	.031	1.42
46	MP2B	X	20.054	4.94
47	MP2B	Z	-11.578	4.94
48	MP2B	Mx	.031	4.94
49	MP2C	X	26.32	1.42
50	MP2C	Z	-15.196	1.42
51	MP2C	Mx	-.023	1.42
52	MP2C	X	26.32	4.94
53	MP2C	Z	-15.196	4.94
54	MP2C	Mx	-.023	4.94
55	MP2A	X	2.34	.5
56	MP2A	Z	-1.351	.5
57	MP2A	Mx	.000975	.5
58	MP2B	X	2.34	.5
59	MP2B	Z	-1.351	.5
60	MP2B	Mx	-.000975	.5
61	MP2C	X	2.877	.5
62	MP2C	Z	-1.661	.5
63	MP2C	Mx	0	.5
64	MP3A	X	9.121	2.19
65	MP3A	Z	-5.266	2.19
66	MP3A	Mx	.007	2.19
67	MP3B	X	9.121	2.19
68	MP3B	Z	-5.266	2.19
69	MP3B	Mx	.007	2.19
70	MP3C	X	9.121	2.19
71	MP3C	Z	-5.266	2.19
72	MP3C	Mx	.007	2.19
73	MP2A	X	8.097	2.19
74	MP2A	Z	-4.675	2.19
75	MP2A	Mx	.006	2.19
76	MP2B	X	8.097	2.19
77	MP2B	Z	-4.675	2.19
78	MP2B	Mx	-.006	2.19
79	MP2C	X	11.814	2.19
80	MP2C	Z	-6.821	2.19
81	MP2C	Mx	0	2.19
82	M193	X	12.488	2.79
83	M193	Z	-7.21	2.79
84	M193	Mx	0	2.79
85	M162	X	12.488	1
86	M162	Z	-7.21	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	6.898	2.19
2	MP4A	Z	0	2.19
3	MP4A	Mx	-.003	2.19
4	MP4A	X	6.898	4.19
5	MP4A	Z	0	4.19
6	MP4A	Mx	-.003	4.19
7	MP4B	X	13.853	2.19
8	MP4B	Z	0	2.19
9	MP4B	Mx	.003	2.19
10	MP4B	X	13.853	4.19
11	MP4B	Z	0	4.19
12	MP4B	Mx	.003	4.19
13	MP4C	X	13.853	2.19
14	MP4C	Z	0	2.19
15	MP4C	Mx	.003	2.19
16	MP4C	X	13.853	4.19
17	MP4C	Z	0	4.19
18	MP4C	Mx	.003	4.19
19	MP2A	X	20.744	1.42
20	MP2A	Z	0	1.42
21	MP2A	Mx	-.023	1.42
22	MP2A	X	20.744	4.94
23	MP2A	Z	0	4.94
24	MP2A	Mx	-.023	4.94
25	MP2B	X	27.98	1.42
26	MP2B	Z	0	1.42
27	MP2B	Mx	-.002	1.42
28	MP2B	X	27.98	4.94
29	MP2B	Z	0	4.94
30	MP2B	Mx	-.002	4.94
31	MP2C	X	27.98	1.42
32	MP2C	Z	0	1.42
33	MP2C	Mx	.034	1.42
34	MP2C	X	27.98	4.94
35	MP2C	Z	0	4.94
36	MP2C	Mx	.034	4.94
37	MP2A	X	20.744	1.42
38	MP2A	Z	0	1.42
39	MP2A	Mx	-.023	1.42
40	MP2A	X	20.744	4.94
41	MP2A	Z	0	4.94
42	MP2A	Mx	-.023	4.94
43	MP2B	X	27.98	1.42
44	MP2B	Z	0	1.42
45	MP2B	Mx	.034	1.42
46	MP2B	X	27.98	4.94
47	MP2B	Z	0	4.94
48	MP2B	Mx	.034	4.94
49	MP2C	X	27.98	1.42
50	MP2C	Z	0	1.42
51	MP2C	Mx	-.002	1.42
52	MP2C	X	27.98	4.94

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	0	4.94
54	MP2C	Mx	-.002	4.94
55	MP2A	X	2.495	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.001	.5
58	MP2B	X	3.115	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	-.000649	.5
61	MP2C	X	3.115	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	-.000649	.5
64	MP3A	X	9.495	2.19
65	MP3A	Z	0	2.19
66	MP3A	Mx	.008	2.19
67	MP3B	X	9.495	2.19
68	MP3B	Z	0	2.19
69	MP3B	Mx	.008	2.19
70	MP3C	X	9.495	2.19
71	MP3C	Z	0	2.19
72	MP3C	Mx	.008	2.19
73	MP2A	X	7.919	2.19
74	MP2A	Z	0	2.19
75	MP2A	Mx	.006	2.19
76	MP2B	X	12.211	2.19
77	MP2B	Z	0	2.19
78	MP2B	Mx	-.005	2.19
79	MP2C	X	12.211	2.19
80	MP2C	Z	0	2.19
81	MP2C	Mx	-.005	2.19
82	M193	X	17.1	2.79
83	M193	Z	0	2.79
84	M193	Mx	0	2.79
85	M162	X	17.1	1
86	M162	Z	0	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.981	2.19
2	MP4A	Z	4.608	2.19
3	MP4A	Mx	-.004	2.19
4	MP4A	X	7.981	4.19
5	MP4A	Z	4.608	4.19
6	MP4A	Mx	-.004	4.19
7	MP4B	X	14.005	2.19
8	MP4B	Z	8.086	2.19
9	MP4B	Mx	0	2.19
10	MP4B	X	14.005	4.19
11	MP4B	Z	8.086	4.19
12	MP4B	Mx	0	4.19
13	MP4C	X	7.981	2.19
14	MP4C	Z	4.608	2.19
15	MP4C	Mx	.004	2.19
16	MP4C	X	7.981	4.19
17	MP4C	Z	4.608	4.19
18	MP4C	Mx	.004	4.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	20.054	1.42
20	MP2A	Z	11.578	1.42
21	MP2A	Mx	-.014	1.42
22	MP2A	X	20.054	4.94
23	MP2A	Z	11.578	4.94
24	MP2A	Mx	-.014	4.94
25	MP2B	X	26.32	1.42
26	MP2B	Z	15.196	1.42
27	MP2B	Mx	-.023	1.42
28	MP2B	X	26.32	4.94
29	MP2B	Z	15.196	4.94
30	MP2B	Mx	-.023	4.94
31	MP2C	X	20.054	1.42
32	MP2C	Z	11.578	1.42
33	MP2C	Mx	.031	1.42
34	MP2C	X	20.054	4.94
35	MP2C	Z	11.578	4.94
36	MP2C	Mx	.031	4.94
37	MP2A	X	20.054	1.42
38	MP2A	Z	11.578	1.42
39	MP2A	Mx	-.031	1.42
40	MP2A	X	20.054	4.94
41	MP2A	Z	11.578	4.94
42	MP2A	Mx	-.031	4.94
43	MP2B	X	26.32	1.42
44	MP2B	Z	15.196	1.42
45	MP2B	Mx	.023	1.42
46	MP2B	X	26.32	4.94
47	MP2B	Z	15.196	4.94
48	MP2B	Mx	.023	4.94
49	MP2C	X	20.054	1.42
50	MP2C	Z	11.578	1.42
51	MP2C	Mx	.014	1.42
52	MP2C	X	20.054	4.94
53	MP2C	Z	11.578	4.94
54	MP2C	Mx	.014	4.94
55	MP2A	X	2.34	.5
56	MP2A	Z	1.351	.5
57	MP2A	Mx	.000975	.5
58	MP2B	X	2.877	.5
59	MP2B	Z	1.661	.5
60	MP2B	Mx	0	.5
61	MP2C	X	2.34	.5
62	MP2C	Z	1.351	.5
63	MP2C	Mx	-.000975	.5
64	MP3A	X	9.121	2.19
65	MP3A	Z	5.266	2.19
66	MP3A	Mx	.007	2.19
67	MP3B	X	9.121	2.19
68	MP3B	Z	5.266	2.19
69	MP3B	Mx	.007	2.19
70	MP3C	X	9.121	2.19
71	MP3C	Z	5.266	2.19
72	MP3C	Mx	.007	2.19
73	MP2A	X	8.097	2.19
74	MP2A	Z	4.675	2.19
75	MP2A	Mx	.006	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP2B	X	11.814	2.19
77	MP2B	Z	6.821	2.19
78	MP2B	Mx	0	2.19
79	MP2C	X	8.097	2.19
80	MP2C	Z	4.675	2.19
81	MP2C	Mx	-.006	2.19
82	M193	X	15.238	2.79
83	M193	Z	8.798	2.79
84	M193	Mx	0	2.79
85	M162	X	15.238	1
86	M162	Z	8.798	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	6.926	2.19
2	MP4A	Z	11.997	2.19
3	MP4A	Mx	-.003	2.19
4	MP4A	X	6.926	4.19
5	MP4A	Z	11.997	4.19
6	MP4A	Mx	-.003	4.19
7	MP4B	X	6.926	2.19
8	MP4B	Z	11.997	2.19
9	MP4B	Mx	-.003	2.19
10	MP4B	X	6.926	4.19
11	MP4B	Z	11.997	4.19
12	MP4B	Mx	-.003	4.19
13	MP4C	X	3.449	2.19
14	MP4C	Z	5.974	2.19
15	MP4C	Mx	.003	2.19
16	MP4C	X	3.449	4.19
17	MP4C	Z	5.974	4.19
18	MP4C	Mx	.003	4.19
19	MP2A	X	13.99	1.42
20	MP2A	Z	24.231	1.42
21	MP2A	Mx	.002	1.42
22	MP2A	X	13.99	4.94
23	MP2A	Z	24.231	4.94
24	MP2A	Mx	.002	4.94
25	MP2B	X	13.99	1.42
26	MP2B	Z	24.231	1.42
27	MP2B	Mx	-.034	1.42
28	MP2B	X	13.99	4.94
29	MP2B	Z	24.231	4.94
30	MP2B	Mx	-.034	4.94
31	MP2C	X	10.372	1.42
32	MP2C	Z	17.965	1.42
33	MP2C	Mx	.023	1.42
34	MP2C	X	10.372	4.94
35	MP2C	Z	17.965	4.94
36	MP2C	Mx	.023	4.94
37	MP2A	X	13.99	1.42
38	MP2A	Z	24.231	1.42
39	MP2A	Mx	-.034	1.42
40	MP2A	X	13.99	4.94
41	MP2A	Z	24.231	4.94

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP2A	Mx	-.034	4.94
43	MP2B	X	13.99	1.42
44	MP2B	Z	24.231	1.42
45	MP2B	Mx	.002	1.42
46	MP2B	X	13.99	4.94
47	MP2B	Z	24.231	4.94
48	MP2B	Mx	.002	4.94
49	MP2C	X	10.372	1.42
50	MP2C	Z	17.965	1.42
51	MP2C	Mx	.023	1.42
52	MP2C	X	10.372	4.94
53	MP2C	Z	17.965	4.94
54	MP2C	Mx	.023	4.94
55	MP2A	X	1.557	.5
56	MP2A	Z	2.698	.5
57	MP2A	Mx	.000649	.5
58	MP2B	X	1.557	.5
59	MP2B	Z	2.698	.5
60	MP2B	Mx	.000649	.5
61	MP2C	X	1.248	.5
62	MP2C	Z	2.161	.5
63	MP2C	Mx	-.001	.5
64	MP3A	X	6.302	2.19
65	MP3A	Z	10.916	2.19
66	MP3A	Mx	.005	2.19
67	MP3B	X	6.302	2.19
68	MP3B	Z	10.916	2.19
69	MP3B	Mx	.005	2.19
70	MP3C	X	6.302	2.19
71	MP3C	Z	10.916	2.19
72	MP3C	Mx	.005	2.19
73	MP2A	X	6.105	2.19
74	MP2A	Z	10.575	2.19
75	MP2A	Mx	.005	2.19
76	MP2B	X	6.105	2.19
77	MP2B	Z	10.575	2.19
78	MP2B	Mx	.005	2.19
79	MP2C	X	3.96	2.19
80	MP2C	Z	6.858	2.19
81	MP2C	Mx	-.006	2.19
82	M193	X	7.705	2.79
83	M193	Z	13.346	2.79
84	M193	Mx	0	2.79
85	M162	X	7.705	1
86	M162	Z	13.346	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.19
2	MP4A	Z	16.171	2.19
3	MP4A	Mx	0	2.19
4	MP4A	X	0	4.19
5	MP4A	Z	16.171	4.19
6	MP4A	Mx	0	4.19
7	MP4B	X	0	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4B	Z	9.216	2.19
9	MP4B	Mx	-.004	2.19
10	MP4B	X	0	4.19
11	MP4B	Z	9.216	4.19
12	MP4B	Mx	-.004	4.19
13	MP4C	X	0	2.19
14	MP4C	Z	9.216	2.19
15	MP4C	Mx	.004	2.19
16	MP4C	X	0	4.19
17	MP4C	Z	9.216	4.19
18	MP4C	Mx	.004	4.19
19	MP2A	X	0	1.42
20	MP2A	Z	30.392	1.42
21	MP2A	Mx	.023	1.42
22	MP2A	X	0	4.94
23	MP2A	Z	30.392	4.94
24	MP2A	Mx	.023	4.94
25	MP2B	X	0	1.42
26	MP2B	Z	23.156	1.42
27	MP2B	Mx	-.031	1.42
28	MP2B	X	0	4.94
29	MP2B	Z	23.156	4.94
30	MP2B	Mx	-.031	4.94
31	MP2C	X	0	1.42
32	MP2C	Z	23.156	1.42
33	MP2C	Mx	.014	1.42
34	MP2C	X	0	4.94
35	MP2C	Z	23.156	4.94
36	MP2C	Mx	.014	4.94
37	MP2A	X	0	1.42
38	MP2A	Z	30.392	1.42
39	MP2A	Mx	-.023	1.42
40	MP2A	X	0	4.94
41	MP2A	Z	30.392	4.94
42	MP2A	Mx	-.023	4.94
43	MP2B	X	0	1.42
44	MP2B	Z	23.156	1.42
45	MP2B	Mx	-.014	1.42
46	MP2B	X	0	4.94
47	MP2B	Z	23.156	4.94
48	MP2B	Mx	-.014	4.94
49	MP2C	X	0	1.42
50	MP2C	Z	23.156	1.42
51	MP2C	Mx	.031	1.42
52	MP2C	X	0	4.94
53	MP2C	Z	23.156	4.94
54	MP2C	Mx	.031	4.94
55	MP2A	X	0	.5
56	MP2A	Z	3.322	.5
57	MP2A	Mx	0	.5
58	MP2B	X	0	.5
59	MP2B	Z	2.702	.5
60	MP2B	Mx	.000975	.5
61	MP2C	X	0	.5
62	MP2C	Z	2.702	.5
63	MP2C	Mx	-.000975	.5
64	MP3A	X	0	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3A	Z	13.641	2.19
66	MP3A	Mx	0	2.19
67	MP3B	X	0	2.19
68	MP3B	Z	13.641	2.19
69	MP3B	Mx	0	2.19
70	MP3C	X	0	2.19
71	MP3C	Z	13.641	2.19
72	MP3C	Mx	0	2.19
73	MP2A	X	0	2.19
74	MP2A	Z	13.641	2.19
75	MP2A	Mx	0	2.19
76	MP2B	X	0	2.19
77	MP2B	Z	9.35	2.19
78	MP2B	Mx	.006	2.19
79	MP2C	X	0	2.19
80	MP2C	Z	9.35	2.19
81	MP2C	Mx	-.006	2.19
82	M193	X	0	2.79
83	M193	Z	12.731	2.79
84	M193	Mx	0	2.79
85	M162	X	0	1
86	M162	Z	12.731	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-6.926	2.19
2	MP4A	Z	11.997	2.19
3	MP4A	Mx	.003	2.19
4	MP4A	X	-6.926	4.19
5	MP4A	Z	11.997	4.19
6	MP4A	Mx	.003	4.19
7	MP4B	X	-3.449	2.19
8	MP4B	Z	5.974	2.19
9	MP4B	Mx	-.003	2.19
10	MP4B	X	-3.449	4.19
11	MP4B	Z	5.974	4.19
12	MP4B	Mx	-.003	4.19
13	MP4C	X	-6.926	2.19
14	MP4C	Z	11.997	2.19
15	MP4C	Mx	.003	2.19
16	MP4C	X	-6.926	4.19
17	MP4C	Z	11.997	4.19
18	MP4C	Mx	.003	4.19
19	MP2A	X	-13.99	1.42
20	MP2A	Z	24.231	1.42
21	MP2A	Mx	.034	1.42
22	MP2A	X	-13.99	4.94
23	MP2A	Z	24.231	4.94
24	MP2A	Mx	.034	4.94
25	MP2B	X	-10.372	1.42
26	MP2B	Z	17.965	1.42
27	MP2B	Mx	-.023	1.42
28	MP2B	X	-10.372	4.94
29	MP2B	Z	17.965	4.94
30	MP2B	Mx	-.023	4.94

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	-13.99	1.42
32	MP2C	Z	24.231	1.42
33	MP2C	Mx	-.002	1.42
34	MP2C	X	-13.99	4.94
35	MP2C	Z	24.231	4.94
36	MP2C	Mx	-.002	4.94
37	MP2A	X	-13.99	1.42
38	MP2A	Z	24.231	1.42
39	MP2A	Mx	-.002	1.42
40	MP2A	X	-13.99	4.94
41	MP2A	Z	24.231	4.94
42	MP2A	Mx	-.002	4.94
43	MP2B	X	-10.372	1.42
44	MP2B	Z	17.965	1.42
45	MP2B	Mx	-.023	1.42
46	MP2B	X	-10.372	4.94
47	MP2B	Z	17.965	4.94
48	MP2B	Mx	-.023	4.94
49	MP2C	X	-13.99	1.42
50	MP2C	Z	24.231	1.42
51	MP2C	Mx	.034	1.42
52	MP2C	X	-13.99	4.94
53	MP2C	Z	24.231	4.94
54	MP2C	Mx	.034	4.94
55	MP2A	X	-1.557	.5
56	MP2A	Z	2.698	.5
57	MP2A	Mx	-.000649	.5
58	MP2B	X	-1.248	.5
59	MP2B	Z	2.161	.5
60	MP2B	Mx	.001	.5
61	MP2C	X	-1.557	.5
62	MP2C	Z	2.698	.5
63	MP2C	Mx	-.000649	.5
64	MP3A	X	-6.302	2.19
65	MP3A	Z	10.916	2.19
66	MP3A	Mx	-.005	2.19
67	MP3B	X	-6.302	2.19
68	MP3B	Z	10.916	2.19
69	MP3B	Mx	-.005	2.19
70	MP3C	X	-6.302	2.19
71	MP3C	Z	10.916	2.19
72	MP3C	Mx	-.005	2.19
73	MP2A	X	-6.105	2.19
74	MP2A	Z	10.575	2.19
75	MP2A	Mx	-.005	2.19
76	MP2B	X	-3.96	2.19
77	MP2B	Z	6.858	2.19
78	MP2B	Mx	.006	2.19
79	MP2C	X	-6.105	2.19
80	MP2C	Z	10.575	2.19
81	MP2C	Mx	-.005	2.19
82	M193	X	-6.118	2.79
83	M193	Z	10.596	2.79
84	M193	Mx	0	2.79
85	M162	X	-6.118	1
86	M162	Z	10.596	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.981	2.19
2	MP4A	Z	4.608	2.19
3	MP4A	Mx	.004	2.19
4	MP4A	X	-7.981	4.19
5	MP4A	Z	4.608	4.19
6	MP4A	Mx	.004	4.19
7	MP4B	X	-7.981	2.19
8	MP4B	Z	4.608	2.19
9	MP4B	Mx	-.004	2.19
10	MP4B	X	-7.981	4.19
11	MP4B	Z	4.608	4.19
12	MP4B	Mx	-.004	4.19
13	MP4C	X	-14.005	2.19
14	MP4C	Z	8.086	2.19
15	MP4C	Mx	0	2.19
16	MP4C	X	-14.005	4.19
17	MP4C	Z	8.086	4.19
18	MP4C	Mx	0	4.19
19	MP2A	X	-20.054	1.42
20	MP2A	Z	11.578	1.42
21	MP2A	Mx	.031	1.42
22	MP2A	X	-20.054	4.94
23	MP2A	Z	11.578	4.94
24	MP2A	Mx	.031	4.94
25	MP2B	X	-20.054	1.42
26	MP2B	Z	11.578	1.42
27	MP2B	Mx	-.014	1.42
28	MP2B	X	-20.054	4.94
29	MP2B	Z	11.578	4.94
30	MP2B	Mx	-.014	4.94
31	MP2C	X	-26.32	1.42
32	MP2C	Z	15.196	1.42
33	MP2C	Mx	-.023	1.42
34	MP2C	X	-26.32	4.94
35	MP2C	Z	15.196	4.94
36	MP2C	Mx	-.023	4.94
37	MP2A	X	-20.054	1.42
38	MP2A	Z	11.578	1.42
39	MP2A	Mx	.014	1.42
40	MP2A	X	-20.054	4.94
41	MP2A	Z	11.578	4.94
42	MP2A	Mx	.014	4.94
43	MP2B	X	-20.054	1.42
44	MP2B	Z	11.578	1.42
45	MP2B	Mx	-.031	1.42
46	MP2B	X	-20.054	4.94
47	MP2B	Z	11.578	4.94
48	MP2B	Mx	-.031	4.94
49	MP2C	X	-26.32	1.42
50	MP2C	Z	15.196	1.42
51	MP2C	Mx	.023	1.42
52	MP2C	X	-26.32	4.94
53	MP2C	Z	15.196	4.94
54	MP2C	Mx	.023	4.94
55	MP2A	X	-2.34	.5
56	MP2A	Z	1.351	.5
57	MP2A	Mx	-.000975	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-2.34	.5
59	MP2B	Z	1.351	.5
60	MP2B	Mx	.000975	.5
61	MP2C	X	-2.877	.5
62	MP2C	Z	1.661	.5
63	MP2C	Mx	0	.5
64	MP3A	X	-9.121	2.19
65	MP3A	Z	5.266	2.19
66	MP3A	Mx	-.007	2.19
67	MP3B	X	-9.121	2.19
68	MP3B	Z	5.266	2.19
69	MP3B	Mx	-.007	2.19
70	MP3C	X	-9.121	2.19
71	MP3C	Z	5.266	2.19
72	MP3C	Mx	-.007	2.19
73	MP2A	X	-8.097	2.19
74	MP2A	Z	4.675	2.19
75	MP2A	Mx	-.006	2.19
76	MP2B	X	-8.097	2.19
77	MP2B	Z	4.675	2.19
78	MP2B	Mx	.006	2.19
79	MP2C	X	-11.814	2.19
80	MP2C	Z	6.821	2.19
81	MP2C	Mx	0	2.19
82	M193	X	-12.488	2.79
83	M193	Z	7.21	2.79
84	M193	Mx	0	2.79
85	M162	X	-12.488	1
86	M162	Z	7.21	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-6.898	2.19
2	MP4A	Z	0	2.19
3	MP4A	Mx	.003	2.19
4	MP4A	X	-6.898	4.19
5	MP4A	Z	0	4.19
6	MP4A	Mx	.003	4.19
7	MP4B	X	-13.853	2.19
8	MP4B	Z	0	2.19
9	MP4B	Mx	-.003	2.19
10	MP4B	X	-13.853	4.19
11	MP4B	Z	0	4.19
12	MP4B	Mx	-.003	4.19
13	MP4C	X	-13.853	2.19
14	MP4C	Z	0	2.19
15	MP4C	Mx	-.003	2.19
16	MP4C	X	-13.853	4.19
17	MP4C	Z	0	4.19
18	MP4C	Mx	-.003	4.19
19	MP2A	X	-20.744	1.42
20	MP2A	Z	0	1.42
21	MP2A	Mx	.023	1.42
22	MP2A	X	-20.744	4.94
23	MP2A	Z	0	4.94

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.023	4.94
25	MP2B	X	-27.98	1.42
26	MP2B	Z	0	1.42
27	MP2B	Mx	.002	1.42
28	MP2B	X	-27.98	4.94
29	MP2B	Z	0	4.94
30	MP2B	Mx	.002	4.94
31	MP2C	X	-27.98	1.42
32	MP2C	Z	0	1.42
33	MP2C	Mx	-.034	1.42
34	MP2C	X	-27.98	4.94
35	MP2C	Z	0	4.94
36	MP2C	Mx	-.034	4.94
37	MP2A	X	-20.744	1.42
38	MP2A	Z	0	1.42
39	MP2A	Mx	.023	1.42
40	MP2A	X	-20.744	4.94
41	MP2A	Z	0	4.94
42	MP2A	Mx	.023	4.94
43	MP2B	X	-27.98	1.42
44	MP2B	Z	0	1.42
45	MP2B	Mx	-.034	1.42
46	MP2B	X	-27.98	4.94
47	MP2B	Z	0	4.94
48	MP2B	Mx	-.034	4.94
49	MP2C	X	-27.98	1.42
50	MP2C	Z	0	1.42
51	MP2C	Mx	.002	1.42
52	MP2C	X	-27.98	4.94
53	MP2C	Z	0	4.94
54	MP2C	Mx	.002	4.94
55	MP2A	X	-2.495	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.001	.5
58	MP2B	X	-3.115	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	.000649	.5
61	MP2C	X	-3.115	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	.000649	.5
64	MP3A	X	-9.495	2.19
65	MP3A	Z	0	2.19
66	MP3A	Mx	-.008	2.19
67	MP3B	X	-9.495	2.19
68	MP3B	Z	0	2.19
69	MP3B	Mx	-.008	2.19
70	MP3C	X	-9.495	2.19
71	MP3C	Z	0	2.19
72	MP3C	Mx	-.008	2.19
73	MP2A	X	-7.919	2.19
74	MP2A	Z	0	2.19
75	MP2A	Mx	-.006	2.19
76	MP2B	X	-12.211	2.19
77	MP2B	Z	0	2.19
78	MP2B	Mx	.005	2.19
79	MP2C	X	-12.211	2.19
80	MP2C	Z	0	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2C	Mx	.005	2.19
82	M193	X	-17.1	2.79
83	M193	Z	0	2.79
84	M193	Mx	0	2.79
85	M162	X	-17.1	1
86	M162	Z	0	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.981	2.19
2	MP4A	Z	-4.608	2.19
3	MP4A	Mx	.004	2.19
4	MP4A	X	-7.981	4.19
5	MP4A	Z	-4.608	4.19
6	MP4A	Mx	.004	4.19
7	MP4B	X	-14.005	2.19
8	MP4B	Z	-8.086	2.19
9	MP4B	Mx	0	2.19
10	MP4B	X	-14.005	4.19
11	MP4B	Z	-8.086	4.19
12	MP4B	Mx	0	4.19
13	MP4C	X	-7.981	2.19
14	MP4C	Z	-4.608	2.19
15	MP4C	Mx	-.004	2.19
16	MP4C	X	-7.981	4.19
17	MP4C	Z	-4.608	4.19
18	MP4C	Mx	-.004	4.19
19	MP2A	X	-20.054	1.42
20	MP2A	Z	-11.578	1.42
21	MP2A	Mx	.014	1.42
22	MP2A	X	-20.054	4.94
23	MP2A	Z	-11.578	4.94
24	MP2A	Mx	.014	4.94
25	MP2B	X	-26.32	1.42
26	MP2B	Z	-15.196	1.42
27	MP2B	Mx	.023	1.42
28	MP2B	X	-26.32	4.94
29	MP2B	Z	-15.196	4.94
30	MP2B	Mx	.023	4.94
31	MP2C	X	-20.054	1.42
32	MP2C	Z	-11.578	1.42
33	MP2C	Mx	-.031	1.42
34	MP2C	X	-20.054	4.94
35	MP2C	Z	-11.578	4.94
36	MP2C	Mx	-.031	4.94
37	MP2A	X	-20.054	1.42
38	MP2A	Z	-11.578	1.42
39	MP2A	Mx	.031	1.42
40	MP2A	X	-20.054	4.94
41	MP2A	Z	-11.578	4.94
42	MP2A	Mx	.031	4.94
43	MP2B	X	-26.32	1.42
44	MP2B	Z	-15.196	1.42
45	MP2B	Mx	-.023	1.42
46	MP2B	X	-26.32	4.94

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP2B	Z	-15.196	4.94
48	MP2B	Mx	-.023	4.94
49	MP2C	X	-20.054	1.42
50	MP2C	Z	-11.578	1.42
51	MP2C	Mx	-.014	1.42
52	MP2C	X	-20.054	4.94
53	MP2C	Z	-11.578	4.94
54	MP2C	Mx	-.014	4.94
55	MP2A	X	-2.34	.5
56	MP2A	Z	-1.351	.5
57	MP2A	Mx	-.000975	.5
58	MP2B	X	-2.877	.5
59	MP2B	Z	-1.661	.5
60	MP2B	Mx	0	.5
61	MP2C	X	-2.34	.5
62	MP2C	Z	-1.351	.5
63	MP2C	Mx	.000975	.5
64	MP3A	X	-9.121	2.19
65	MP3A	Z	-5.266	2.19
66	MP3A	Mx	-.007	2.19
67	MP3B	X	-9.121	2.19
68	MP3B	Z	-5.266	2.19
69	MP3B	Mx	-.007	2.19
70	MP3C	X	-9.121	2.19
71	MP3C	Z	-5.266	2.19
72	MP3C	Mx	-.007	2.19
73	MP2A	X	-8.097	2.19
74	MP2A	Z	-4.675	2.19
75	MP2A	Mx	-.006	2.19
76	MP2B	X	-11.814	2.19
77	MP2B	Z	-6.821	2.19
78	MP2B	Mx	0	2.19
79	MP2C	X	-8.097	2.19
80	MP2C	Z	-4.675	2.19
81	MP2C	Mx	.006	2.19
82	M193	X	-15.238	2.79
83	M193	Z	-8.798	2.79
84	M193	Mx	0	2.79
85	M162	X	-15.238	1
86	M162	Z	-8.798	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-6.926	2.19
2	MP4A	Z	-11.997	2.19
3	MP4A	Mx	.003	2.19
4	MP4A	X	-6.926	4.19
5	MP4A	Z	-11.997	4.19
6	MP4A	Mx	.003	4.19
7	MP4B	X	-6.926	2.19
8	MP4B	Z	-11.997	2.19
9	MP4B	Mx	.003	2.19
10	MP4B	X	-6.926	4.19
11	MP4B	Z	-11.997	4.19
12	MP4B	Mx	.003	4.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP4C	X	-3.449	2.19
14	MP4C	Z	-5.974	2.19
15	MP4C	Mx	-.003	2.19
16	MP4C	X	-3.449	4.19
17	MP4C	Z	-5.974	4.19
18	MP4C	Mx	-.003	4.19
19	MP2A	X	-13.99	1.42
20	MP2A	Z	-24.231	1.42
21	MP2A	Mx	-.002	1.42
22	MP2A	X	-13.99	4.94
23	MP2A	Z	-24.231	4.94
24	MP2A	Mx	-.002	4.94
25	MP2B	X	-13.99	1.42
26	MP2B	Z	-24.231	1.42
27	MP2B	Mx	.034	1.42
28	MP2B	X	-13.99	4.94
29	MP2B	Z	-24.231	4.94
30	MP2B	Mx	.034	4.94
31	MP2C	X	-10.372	1.42
32	MP2C	Z	-17.965	1.42
33	MP2C	Mx	-.023	1.42
34	MP2C	X	-10.372	4.94
35	MP2C	Z	-17.965	4.94
36	MP2C	Mx	-.023	4.94
37	MP2A	X	-13.99	1.42
38	MP2A	Z	-24.231	1.42
39	MP2A	Mx	.034	1.42
40	MP2A	X	-13.99	4.94
41	MP2A	Z	-24.231	4.94
42	MP2A	Mx	.034	4.94
43	MP2B	X	-13.99	1.42
44	MP2B	Z	-24.231	1.42
45	MP2B	Mx	-.002	1.42
46	MP2B	X	-13.99	4.94
47	MP2B	Z	-24.231	4.94
48	MP2B	Mx	-.002	4.94
49	MP2C	X	-10.372	1.42
50	MP2C	Z	-17.965	1.42
51	MP2C	Mx	-.023	1.42
52	MP2C	X	-10.372	4.94
53	MP2C	Z	-17.965	4.94
54	MP2C	Mx	-.023	4.94
55	MP2A	X	-1.557	.5
56	MP2A	Z	-2.698	.5
57	MP2A	Mx	-.000649	.5
58	MP2B	X	-1.557	.5
59	MP2B	Z	-2.698	.5
60	MP2B	Mx	-.000649	.5
61	MP2C	X	-1.248	.5
62	MP2C	Z	-2.161	.5
63	MP2C	Mx	.001	.5
64	MP3A	X	-6.302	2.19
65	MP3A	Z	-10.916	2.19
66	MP3A	Mx	-.005	2.19
67	MP3B	X	-6.302	2.19
68	MP3B	Z	-10.916	2.19
69	MP3B	Mx	-.005	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP3C	X	-6.302	2.19
71	MP3C	Z	-10.916	2.19
72	MP3C	Mx	-.005	2.19
73	MP2A	X	-6.105	2.19
74	MP2A	Z	-10.575	2.19
75	MP2A	Mx	-.005	2.19
76	MP2B	X	-6.105	2.19
77	MP2B	Z	-10.575	2.19
78	MP2B	Mx	-.005	2.19
79	MP2C	X	-3.96	2.19
80	MP2C	Z	-6.858	2.19
81	MP2C	Mx	.006	2.19
82	M193	X	-7.705	2.79
83	M193	Z	-13.346	2.79
84	M193	Mx	0	2.79
85	M162	X	-7.705	1
86	M162	Z	-13.346	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.19
2	MP4A	Z	-5.144	2.19
3	MP4A	Mx	0	2.19
4	MP4A	X	0	4.19
5	MP4A	Z	-5.144	4.19
6	MP4A	Mx	0	4.19
7	MP4B	X	0	2.19
8	MP4B	Z	-2.796	2.19
9	MP4B	Mx	.001	2.19
10	MP4B	X	0	4.19
11	MP4B	Z	-2.796	4.19
12	MP4B	Mx	.001	4.19
13	MP4C	X	0	2.19
14	MP4C	Z	-2.796	2.19
15	MP4C	Mx	-.001	2.19
16	MP4C	X	0	4.19
17	MP4C	Z	-2.796	4.19
18	MP4C	Mx	-.001	4.19
19	MP2A	X	0	1.42
20	MP2A	Z	-9.97	1.42
21	MP2A	Mx	-.007	1.42
22	MP2A	X	0	4.94
23	MP2A	Z	-9.97	4.94
24	MP2A	Mx	-.007	4.94
25	MP2B	X	0	1.42
26	MP2B	Z	-7.404	1.42
27	MP2B	Mx	.01	1.42
28	MP2B	X	0	4.94
29	MP2B	Z	-7.404	4.94
30	MP2B	Mx	.01	4.94
31	MP2C	X	0	1.42
32	MP2C	Z	-7.404	1.42
33	MP2C	Mx	-.004	1.42
34	MP2C	X	0	4.94
35	MP2C	Z	-7.404	4.94

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.004	4.94
37	MP2A	X	0	1.42
38	MP2A	Z	-9.97	1.42
39	MP2A	Mx	.007	1.42
40	MP2A	X	0	4.94
41	MP2A	Z	-9.97	4.94
42	MP2A	Mx	.007	4.94
43	MP2B	X	0	1.42
44	MP2B	Z	-7.404	1.42
45	MP2B	Mx	.004	1.42
46	MP2B	X	0	4.94
47	MP2B	Z	-7.404	4.94
48	MP2B	Mx	.004	4.94
49	MP2C	X	0	1.42
50	MP2C	Z	-7.404	1.42
51	MP2C	Mx	-.01	1.42
52	MP2C	X	0	4.94
53	MP2C	Z	-7.404	4.94
54	MP2C	Mx	-.01	4.94
55	MP2A	X	0	.5
56	MP2A	Z	-.81	.5
57	MP2A	Mx	0	.5
58	MP2B	X	0	.5
59	MP2B	Z	-.623	.5
60	MP2B	Mx	-.000225	.5
61	MP2C	X	0	.5
62	MP2C	Z	-.623	.5
63	MP2C	Mx	.000225	.5
64	MP3A	X	0	2.19
65	MP3A	Z	-4.093	2.19
66	MP3A	Mx	0	2.19
67	MP3B	X	0	2.19
68	MP3B	Z	-4.093	2.19
69	MP3B	Mx	0	2.19
70	MP3C	X	0	2.19
71	MP3C	Z	-4.093	2.19
72	MP3C	Mx	0	2.19
73	MP2A	X	0	2.19
74	MP2A	Z	-4.093	2.19
75	MP2A	Mx	0	2.19
76	MP2B	X	0	2.19
77	MP2B	Z	-2.685	2.19
78	MP2B	Mx	-.002	2.19
79	MP2C	X	0	2.19
80	MP2C	Z	-2.685	2.19
81	MP2C	Mx	.002	2.19
82	M193	X	0	2.79
83	M193	Z	-3.778	2.79
84	M193	Mx	0	2.79
85	M162	X	0	1
86	M162	Z	-3.778	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.181	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP4A	Z	-3.777	2.19
3	MP4A	Mx	-.001	2.19
4	MP4A	X	2.181	4.19
5	MP4A	Z	-3.777	4.19
6	MP4A	Mx	-.001	4.19
7	MP4B	X	1.007	2.19
8	MP4B	Z	-1.744	2.19
9	MP4B	Mx	.001	2.19
10	MP4B	X	1.007	4.19
11	MP4B	Z	-1.744	4.19
12	MP4B	Mx	.001	4.19
13	MP4C	X	2.181	2.19
14	MP4C	Z	-3.777	2.19
15	MP4C	Mx	-.001	2.19
16	MP4C	X	2.181	4.19
17	MP4C	Z	-3.777	4.19
18	MP4C	Mx	-.001	4.19
19	MP2A	X	4.557	1.42
20	MP2A	Z	-7.893	1.42
21	MP2A	Mx	-.011	1.42
22	MP2A	X	4.557	4.94
23	MP2A	Z	-7.893	4.94
24	MP2A	Mx	-.011	4.94
25	MP2B	X	3.274	1.42
26	MP2B	Z	-5.671	1.42
27	MP2B	Mx	.007	1.42
28	MP2B	X	3.274	4.94
29	MP2B	Z	-5.671	4.94
30	MP2B	Mx	.007	4.94
31	MP2C	X	4.557	1.42
32	MP2C	Z	-7.893	1.42
33	MP2C	Mx	.000793	1.42
34	MP2C	X	4.557	4.94
35	MP2C	Z	-7.893	4.94
36	MP2C	Mx	.000793	4.94
37	MP2A	X	4.557	1.42
38	MP2A	Z	-7.893	1.42
39	MP2A	Mx	.000793	1.42
40	MP2A	X	4.557	4.94
41	MP2A	Z	-7.893	4.94
42	MP2A	Mx	.000793	4.94
43	MP2B	X	3.274	1.42
44	MP2B	Z	-5.671	1.42
45	MP2B	Mx	.007	1.42
46	MP2B	X	3.274	4.94
47	MP2B	Z	-5.671	4.94
48	MP2B	Mx	.007	4.94
49	MP2C	X	4.557	1.42
50	MP2C	Z	-7.893	1.42
51	MP2C	Mx	-.011	1.42
52	MP2C	X	4.557	4.94
53	MP2C	Z	-7.893	4.94
54	MP2C	Mx	-.011	4.94
55	MP2A	X	.374	.5
56	MP2A	Z	-.647	.5
57	MP2A	Mx	.000156	.5
58	MP2B	X	.28	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2B	Z	-.485	.5
60	MP2B	Mx	-.000233	.5
61	MP2C	X	.374	.5
62	MP2C	Z	-.647	.5
63	MP2C	Mx	.000156	.5
64	MP3A	X	1.877	2.19
65	MP3A	Z	-3.251	2.19
66	MP3A	Mx	.001	2.19
67	MP3B	X	1.877	2.19
68	MP3B	Z	-3.251	2.19
69	MP3B	Mx	.001	2.19
70	MP3C	X	1.877	2.19
71	MP3C	Z	-3.251	2.19
72	MP3C	Mx	.001	2.19
73	MP2A	X	1.812	2.19
74	MP2A	Z	-3.138	2.19
75	MP2A	Mx	.001	2.19
76	MP2B	X	1.108	2.19
77	MP2B	Z	-1.919	2.19
78	MP2B	Mx	-.002	2.19
79	MP2C	X	1.812	2.19
80	MP2C	Z	-3.138	2.19
81	MP2C	Mx	.001	2.19
82	M193	X	1.806	2.79
83	M193	Z	-3.128	2.79
84	M193	Mx	0	2.79
85	M162	X	1.806	1
86	M162	Z	-3.128	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.422	2.19
2	MP4A	Z	-1.398	2.19
3	MP4A	Mx	-.001	2.19
4	MP4A	X	2.422	4.19
5	MP4A	Z	-1.398	4.19
6	MP4A	Mx	-.001	4.19
7	MP4B	X	2.422	2.19
8	MP4B	Z	-1.398	2.19
9	MP4B	Mx	.001	2.19
10	MP4B	X	2.422	4.19
11	MP4B	Z	-1.398	4.19
12	MP4B	Mx	.001	4.19
13	MP4C	X	4.455	2.19
14	MP4C	Z	-2.572	2.19
15	MP4C	Mx	0	2.19
16	MP4C	X	4.455	4.19
17	MP4C	Z	-2.572	4.19
18	MP4C	Mx	0	4.19
19	MP2A	X	6.412	1.42
20	MP2A	Z	-3.702	1.42
21	MP2A	Mx	-.01	1.42
22	MP2A	X	6.412	4.94
23	MP2A	Z	-3.702	4.94
24	MP2A	Mx	-.01	4.94

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	6.412	1.42
26	MP2B	Z	-3.702	1.42
27	MP2B	Mx	.004	1.42
28	MP2B	X	6.412	4.94
29	MP2B	Z	-3.702	4.94
30	MP2B	Mx	.004	4.94
31	MP2C	X	8.634	1.42
32	MP2C	Z	-4.985	1.42
33	MP2C	Mx	.007	1.42
34	MP2C	X	8.634	4.94
35	MP2C	Z	-4.985	4.94
36	MP2C	Mx	.007	4.94
37	MP2A	X	6.412	1.42
38	MP2A	Z	-3.702	1.42
39	MP2A	Mx	-.004	1.42
40	MP2A	X	6.412	4.94
41	MP2A	Z	-3.702	4.94
42	MP2A	Mx	-.004	4.94
43	MP2B	X	6.412	1.42
44	MP2B	Z	-3.702	1.42
45	MP2B	Mx	.01	1.42
46	MP2B	X	6.412	4.94
47	MP2B	Z	-3.702	4.94
48	MP2B	Mx	.01	4.94
49	MP2C	X	8.634	1.42
50	MP2C	Z	-4.985	1.42
51	MP2C	Mx	-.007	1.42
52	MP2C	X	8.634	4.94
53	MP2C	Z	-4.985	4.94
54	MP2C	Mx	-.007	4.94
55	MP2A	X	.539	.5
56	MP2A	Z	-.311	.5
57	MP2A	Mx	.000225	.5
58	MP2B	X	.539	.5
59	MP2B	Z	-.311	.5
60	MP2B	Mx	-.000225	.5
61	MP2C	X	.701	.5
62	MP2C	Z	-.405	.5
63	MP2C	Mx	0	.5
64	MP3A	X	2.663	2.19
65	MP3A	Z	-1.538	2.19
66	MP3A	Mx	.002	2.19
67	MP3B	X	2.663	2.19
68	MP3B	Z	-1.538	2.19
69	MP3B	Mx	.002	2.19
70	MP3C	X	2.663	2.19
71	MP3C	Z	-1.538	2.19
72	MP3C	Mx	.002	2.19
73	MP2A	X	2.326	2.19
74	MP2A	Z	-1.343	2.19
75	MP2A	Mx	.002	2.19
76	MP2B	X	2.326	2.19
77	MP2B	Z	-1.343	2.19
78	MP2B	Mx	-.002	2.19
79	MP2C	X	3.545	2.19
80	MP2C	Z	-2.047	2.19
81	MP2C	Mx	0	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	M193	X	3.764	2.79
83	M193	Z	-2.173	2.79
84	M193	Mx	0	2.79
85	M162	X	3.764	1
86	M162	Z	-2.173	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.014	2.19
2	MP4A	Z	0	2.19
3	MP4A	Mx	-.001	2.19
4	MP4A	X	2.014	4.19
5	MP4A	Z	0	4.19
6	MP4A	Mx	-.001	4.19
7	MP4B	X	4.361	2.19
8	MP4B	Z	0	2.19
9	MP4B	Mx	.001	2.19
10	MP4B	X	4.361	4.19
11	MP4B	Z	0	4.19
12	MP4B	Mx	.001	4.19
13	MP4C	X	4.361	2.19
14	MP4C	Z	0	2.19
15	MP4C	Mx	.001	2.19
16	MP4C	X	4.361	4.19
17	MP4C	Z	0	4.19
18	MP4C	Mx	.001	4.19
19	MP2A	X	6.548	1.42
20	MP2A	Z	0	1.42
21	MP2A	Mx	-.007	1.42
22	MP2A	X	6.548	4.94
23	MP2A	Z	0	4.94
24	MP2A	Mx	-.007	4.94
25	MP2B	X	9.115	1.42
26	MP2B	Z	0	1.42
27	MP2B	Mx	-.000793	1.42
28	MP2B	X	9.115	4.94
29	MP2B	Z	0	4.94
30	MP2B	Mx	-.000793	4.94
31	MP2C	X	9.115	1.42
32	MP2C	Z	0	1.42
33	MP2C	Mx	.011	1.42
34	MP2C	X	9.115	4.94
35	MP2C	Z	0	4.94
36	MP2C	Mx	.011	4.94
37	MP2A	X	6.548	1.42
38	MP2A	Z	0	1.42
39	MP2A	Mx	-.007	1.42
40	MP2A	X	6.548	4.94
41	MP2A	Z	0	4.94
42	MP2A	Mx	-.007	4.94
43	MP2B	X	9.115	1.42
44	MP2B	Z	0	1.42
45	MP2B	Mx	.011	1.42
46	MP2B	X	9.115	4.94
47	MP2B	Z	0	4.94

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2B	Mx	.011	4.94
49	MP2C	X	9.115	1.42
50	MP2C	Z	0	1.42
51	MP2C	Mx	-.000793	1.42
52	MP2C	X	9.115	4.94
53	MP2C	Z	0	4.94
54	MP2C	Mx	-.000793	4.94
55	MP2A	X	.56	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.000233	.5
58	MP2B	X	.747	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	-.000156	.5
61	MP2C	X	.747	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	-.000156	.5
64	MP3A	X	2.736	2.19
65	MP3A	Z	0	2.19
66	MP3A	Mx	.002	2.19
67	MP3B	X	2.736	2.19
68	MP3B	Z	0	2.19
69	MP3B	Mx	.002	2.19
70	MP3C	X	2.736	2.19
71	MP3C	Z	0	2.19
72	MP3C	Mx	.002	2.19
73	MP2A	X	2.216	2.19
74	MP2A	Z	0	2.19
75	MP2A	Mx	.002	2.19
76	MP2B	X	3.624	2.19
77	MP2B	Z	0	2.19
78	MP2B	Mx	-.001	2.19
79	MP2C	X	3.624	2.19
80	MP2C	Z	0	2.19
81	MP2C	Mx	-.001	2.19
82	M193	X	5.248	2.79
83	M193	Z	0	2.79
84	M193	Mx	0	2.79
85	M162	X	5.248	1
86	M162	Z	0	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.422	2.19
2	MP4A	Z	1.398	2.19
3	MP4A	Mx	-.001	2.19
4	MP4A	X	2.422	4.19
5	MP4A	Z	1.398	4.19
6	MP4A	Mx	-.001	4.19
7	MP4B	X	4.455	2.19
8	MP4B	Z	2.572	2.19
9	MP4B	Mx	0	2.19
10	MP4B	X	4.455	4.19
11	MP4B	Z	2.572	4.19
12	MP4B	Mx	0	4.19
13	MP4C	X	2.422	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP4C	Z	1.398	2.19
15	MP4C	Mx	.001	2.19
16	MP4C	X	2.422	4.19
17	MP4C	Z	1.398	4.19
18	MP4C	Mx	.001	4.19
19	MP2A	X	6.412	1.42
20	MP2A	Z	3.702	1.42
21	MP2A	Mx	-.004	1.42
22	MP2A	X	6.412	4.94
23	MP2A	Z	3.702	4.94
24	MP2A	Mx	-.004	4.94
25	MP2B	X	8.634	1.42
26	MP2B	Z	4.985	1.42
27	MP2B	Mx	-.007	1.42
28	MP2B	X	8.634	4.94
29	MP2B	Z	4.985	4.94
30	MP2B	Mx	-.007	4.94
31	MP2C	X	6.412	1.42
32	MP2C	Z	3.702	1.42
33	MP2C	Mx	.01	1.42
34	MP2C	X	6.412	4.94
35	MP2C	Z	3.702	4.94
36	MP2C	Mx	.01	4.94
37	MP2A	X	6.412	1.42
38	MP2A	Z	3.702	1.42
39	MP2A	Mx	-.01	1.42
40	MP2A	X	6.412	4.94
41	MP2A	Z	3.702	4.94
42	MP2A	Mx	-.01	4.94
43	MP2B	X	8.634	1.42
44	MP2B	Z	4.985	1.42
45	MP2B	Mx	.007	1.42
46	MP2B	X	8.634	4.94
47	MP2B	Z	4.985	4.94
48	MP2B	Mx	.007	4.94
49	MP2C	X	6.412	1.42
50	MP2C	Z	3.702	1.42
51	MP2C	Mx	.004	1.42
52	MP2C	X	6.412	4.94
53	MP2C	Z	3.702	4.94
54	MP2C	Mx	.004	4.94
55	MP2A	X	.539	.5
56	MP2A	Z	.311	.5
57	MP2A	Mx	.000225	.5
58	MP2B	X	.701	.5
59	MP2B	Z	.405	.5
60	MP2B	Mx	0	.5
61	MP2C	X	.539	.5
62	MP2C	Z	.311	.5
63	MP2C	Mx	-.000225	.5
64	MP3A	X	2.663	2.19
65	MP3A	Z	1.538	2.19
66	MP3A	Mx	.002	2.19
67	MP3B	X	2.663	2.19
68	MP3B	Z	1.538	2.19
69	MP3B	Mx	.002	2.19
70	MP3C	X	2.663	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP3C	Z	1.538	2.19
72	MP3C	Mx	.002	2.19
73	MP2A	X	2.326	2.19
74	MP2A	Z	1.343	2.19
75	MP2A	Mx	.002	2.19
76	MP2B	X	3.545	2.19
77	MP2B	Z	2.047	2.19
78	MP2B	Mx	0	2.19
79	MP2C	X	2.326	2.19
80	MP2C	Z	1.343	2.19
81	MP2C	Mx	-.002	2.19
82	M193	X	4.689	2.79
83	M193	Z	2.707	2.79
84	M193	Mx	0	2.79
85	M162	X	4.689	1
86	M162	Z	2.707	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.181	2.19
2	MP4A	Z	3.777	2.19
3	MP4A	Mx	-.001	2.19
4	MP4A	X	2.181	4.19
5	MP4A	Z	3.777	4.19
6	MP4A	Mx	-.001	4.19
7	MP4B	X	2.181	2.19
8	MP4B	Z	3.777	2.19
9	MP4B	Mx	-.001	2.19
10	MP4B	X	2.181	4.19
11	MP4B	Z	3.777	4.19
12	MP4B	Mx	-.001	4.19
13	MP4C	X	1.007	2.19
14	MP4C	Z	1.744	2.19
15	MP4C	Mx	.001	2.19
16	MP4C	X	1.007	4.19
17	MP4C	Z	1.744	4.19
18	MP4C	Mx	.001	4.19
19	MP2A	X	4.557	1.42
20	MP2A	Z	7.893	1.42
21	MP2A	Mx	.000793	1.42
22	MP2A	X	4.557	4.94
23	MP2A	Z	7.893	4.94
24	MP2A	Mx	.000793	4.94
25	MP2B	X	4.557	1.42
26	MP2B	Z	7.893	1.42
27	MP2B	Mx	-.011	1.42
28	MP2B	X	4.557	4.94
29	MP2B	Z	7.893	4.94
30	MP2B	Mx	-.011	4.94
31	MP2C	X	3.274	1.42
32	MP2C	Z	5.671	1.42
33	MP2C	Mx	.007	1.42
34	MP2C	X	3.274	4.94
35	MP2C	Z	5.671	4.94
36	MP2C	Mx	.007	4.94

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2A	X	4.557	1.42
38	MP2A	Z	7.893	1.42
39	MP2A	Mx	-.011	1.42
40	MP2A	X	4.557	4.94
41	MP2A	Z	7.893	4.94
42	MP2A	Mx	-.011	4.94
43	MP2B	X	4.557	1.42
44	MP2B	Z	7.893	1.42
45	MP2B	Mx	.000793	1.42
46	MP2B	X	4.557	4.94
47	MP2B	Z	7.893	4.94
48	MP2B	Mx	.000793	4.94
49	MP2C	X	3.274	1.42
50	MP2C	Z	5.671	1.42
51	MP2C	Mx	.007	1.42
52	MP2C	X	3.274	4.94
53	MP2C	Z	5.671	4.94
54	MP2C	Mx	.007	4.94
55	MP2A	X	.374	.5
56	MP2A	Z	.647	.5
57	MP2A	Mx	.000156	.5
58	MP2B	X	.374	.5
59	MP2B	Z	.647	.5
60	MP2B	Mx	.000156	.5
61	MP2C	X	.28	.5
62	MP2C	Z	.485	.5
63	MP2C	Mx	-.000233	.5
64	MP3A	X	1.877	2.19
65	MP3A	Z	3.251	2.19
66	MP3A	Mx	.001	2.19
67	MP3B	X	1.877	2.19
68	MP3B	Z	3.251	2.19
69	MP3B	Mx	.001	2.19
70	MP3C	X	1.877	2.19
71	MP3C	Z	3.251	2.19
72	MP3C	Mx	.001	2.19
73	MP2A	X	1.812	2.19
74	MP2A	Z	3.138	2.19
75	MP2A	Mx	.001	2.19
76	MP2B	X	1.812	2.19
77	MP2B	Z	3.138	2.19
78	MP2B	Mx	.001	2.19
79	MP2C	X	1.108	2.19
80	MP2C	Z	1.919	2.19
81	MP2C	Mx	-.002	2.19
82	M193	X	2.34	2.79
83	M193	Z	4.052	2.79
84	M193	Mx	0	2.79
85	M162	X	2.34	1
86	M162	Z	4.052	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.19
2	MP4A	Z	5.144	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP4A	Mx	0	2.19
4	MP4A	X	0	4.19
5	MP4A	Z	5.144	4.19
6	MP4A	Mx	0	4.19
7	MP4B	X	0	2.19
8	MP4B	Z	2.796	2.19
9	MP4B	Mx	-.001	2.19
10	MP4B	X	0	4.19
11	MP4B	Z	2.796	4.19
12	MP4B	Mx	-.001	4.19
13	MP4C	X	0	2.19
14	MP4C	Z	2.796	2.19
15	MP4C	Mx	.001	2.19
16	MP4C	X	0	4.19
17	MP4C	Z	2.796	4.19
18	MP4C	Mx	.001	4.19
19	MP2A	X	0	1.42
20	MP2A	Z	9.97	1.42
21	MP2A	Mx	.007	1.42
22	MP2A	X	0	4.94
23	MP2A	Z	9.97	4.94
24	MP2A	Mx	.007	4.94
25	MP2B	X	0	1.42
26	MP2B	Z	7.404	1.42
27	MP2B	Mx	-.01	1.42
28	MP2B	X	0	4.94
29	MP2B	Z	7.404	4.94
30	MP2B	Mx	-.01	4.94
31	MP2C	X	0	1.42
32	MP2C	Z	7.404	1.42
33	MP2C	Mx	.004	1.42
34	MP2C	X	0	4.94
35	MP2C	Z	7.404	4.94
36	MP2C	Mx	.004	4.94
37	MP2A	X	0	1.42
38	MP2A	Z	9.97	1.42
39	MP2A	Mx	-.007	1.42
40	MP2A	X	0	4.94
41	MP2A	Z	9.97	4.94
42	MP2A	Mx	-.007	4.94
43	MP2B	X	0	1.42
44	MP2B	Z	7.404	1.42
45	MP2B	Mx	-.004	1.42
46	MP2B	X	0	4.94
47	MP2B	Z	7.404	4.94
48	MP2B	Mx	-.004	4.94
49	MP2C	X	0	1.42
50	MP2C	Z	7.404	1.42
51	MP2C	Mx	.01	1.42
52	MP2C	X	0	4.94
53	MP2C	Z	7.404	4.94
54	MP2C	Mx	.01	4.94
55	MP2A	X	0	.5
56	MP2A	Z	.81	.5
57	MP2A	Mx	0	.5
58	MP2B	X	0	.5
59	MP2B	Z	.623	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2B	Mx	.000225	.5
61	MP2C	X	0	.5
62	MP2C	Z	.623	.5
63	MP2C	Mx	-.000225	.5
64	MP3A	X	0	2.19
65	MP3A	Z	4.093	2.19
66	MP3A	Mx	0	2.19
67	MP3B	X	0	2.19
68	MP3B	Z	4.093	2.19
69	MP3B	Mx	0	2.19
70	MP3C	X	0	2.19
71	MP3C	Z	4.093	2.19
72	MP3C	Mx	0	2.19
73	MP2A	X	0	2.19
74	MP2A	Z	4.093	2.19
75	MP2A	Mx	0	2.19
76	MP2B	X	0	2.19
77	MP2B	Z	2.685	2.19
78	MP2B	Mx	.002	2.19
79	MP2C	X	0	2.19
80	MP2C	Z	2.685	2.19
81	MP2C	Mx	-.002	2.19
82	M193	X	0	2.79
83	M193	Z	3.778	2.79
84	M193	Mx	0	2.79
85	M162	X	0	1
86	M162	Z	3.778	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.181	2.19
2	MP4A	Z	3.777	2.19
3	MP4A	Mx	.001	2.19
4	MP4A	X	-2.181	4.19
5	MP4A	Z	3.777	4.19
6	MP4A	Mx	.001	4.19
7	MP4B	X	-1.007	2.19
8	MP4B	Z	1.744	2.19
9	MP4B	Mx	-.001	2.19
10	MP4B	X	-1.007	4.19
11	MP4B	Z	1.744	4.19
12	MP4B	Mx	-.001	4.19
13	MP4C	X	-2.181	2.19
14	MP4C	Z	3.777	2.19
15	MP4C	Mx	.001	2.19
16	MP4C	X	-2.181	4.19
17	MP4C	Z	3.777	4.19
18	MP4C	Mx	.001	4.19
19	MP2A	X	-4.557	1.42
20	MP2A	Z	7.893	1.42
21	MP2A	Mx	.011	1.42
22	MP2A	X	-4.557	4.94
23	MP2A	Z	7.893	4.94
24	MP2A	Mx	.011	4.94
25	MP2B	X	-3.274	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2B	Z	5.671	1.42
27	MP2B	Mx	-.007	1.42
28	MP2B	X	-3.274	4.94
29	MP2B	Z	5.671	4.94
30	MP2B	Mx	-.007	4.94
31	MP2C	X	-4.557	1.42
32	MP2C	Z	7.893	1.42
33	MP2C	Mx	-.000793	1.42
34	MP2C	X	-4.557	4.94
35	MP2C	Z	7.893	4.94
36	MP2C	Mx	-.000793	4.94
37	MP2A	X	-4.557	1.42
38	MP2A	Z	7.893	1.42
39	MP2A	Mx	-.000793	1.42
40	MP2A	X	-4.557	4.94
41	MP2A	Z	7.893	4.94
42	MP2A	Mx	-.000793	4.94
43	MP2B	X	-3.274	1.42
44	MP2B	Z	5.671	1.42
45	MP2B	Mx	-.007	1.42
46	MP2B	X	-3.274	4.94
47	MP2B	Z	5.671	4.94
48	MP2B	Mx	-.007	4.94
49	MP2C	X	-4.557	1.42
50	MP2C	Z	7.893	1.42
51	MP2C	Mx	.011	1.42
52	MP2C	X	-4.557	4.94
53	MP2C	Z	7.893	4.94
54	MP2C	Mx	.011	4.94
55	MP2A	X	-.374	.5
56	MP2A	Z	.647	.5
57	MP2A	Mx	-.000156	.5
58	MP2B	X	-.28	.5
59	MP2B	Z	.485	.5
60	MP2B	Mx	.000233	.5
61	MP2C	X	-.374	.5
62	MP2C	Z	.647	.5
63	MP2C	Mx	-.000156	.5
64	MP3A	X	-1.877	2.19
65	MP3A	Z	3.251	2.19
66	MP3A	Mx	-.001	2.19
67	MP3B	X	-1.877	2.19
68	MP3B	Z	3.251	2.19
69	MP3B	Mx	-.001	2.19
70	MP3C	X	-1.877	2.19
71	MP3C	Z	3.251	2.19
72	MP3C	Mx	-.001	2.19
73	MP2A	X	-1.812	2.19
74	MP2A	Z	3.138	2.19
75	MP2A	Mx	-.001	2.19
76	MP2B	X	-1.108	2.19
77	MP2B	Z	1.919	2.19
78	MP2B	Mx	.002	2.19
79	MP2C	X	-1.812	2.19
80	MP2C	Z	3.138	2.19
81	MP2C	Mx	-.001	2.19
82	M193	X	-1.806	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	M193	Z	3.128	2.79
84	M193	Mx	0	2.79
85	M162	X	-1.806	1
86	M162	Z	3.128	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.422	2.19
2	MP4A	Z	1.398	2.19
3	MP4A	Mx	.001	2.19
4	MP4A	X	-2.422	4.19
5	MP4A	Z	1.398	4.19
6	MP4A	Mx	.001	4.19
7	MP4B	X	-2.422	2.19
8	MP4B	Z	1.398	2.19
9	MP4B	Mx	-.001	2.19
10	MP4B	X	-2.422	4.19
11	MP4B	Z	1.398	4.19
12	MP4B	Mx	-.001	4.19
13	MP4C	X	-4.455	2.19
14	MP4C	Z	2.572	2.19
15	MP4C	Mx	0	2.19
16	MP4C	X	-4.455	4.19
17	MP4C	Z	2.572	4.19
18	MP4C	Mx	0	4.19
19	MP2A	X	-6.412	1.42
20	MP2A	Z	3.702	1.42
21	MP2A	Mx	.01	1.42
22	MP2A	X	-6.412	4.94
23	MP2A	Z	3.702	4.94
24	MP2A	Mx	.01	4.94
25	MP2B	X	-6.412	1.42
26	MP2B	Z	3.702	1.42
27	MP2B	Mx	-.004	1.42
28	MP2B	X	-6.412	4.94
29	MP2B	Z	3.702	4.94
30	MP2B	Mx	-.004	4.94
31	MP2C	X	-8.634	1.42
32	MP2C	Z	4.985	1.42
33	MP2C	Mx	-.007	1.42
34	MP2C	X	-8.634	4.94
35	MP2C	Z	4.985	4.94
36	MP2C	Mx	-.007	4.94
37	MP2A	X	-6.412	1.42
38	MP2A	Z	3.702	1.42
39	MP2A	Mx	.004	1.42
40	MP2A	X	-6.412	4.94
41	MP2A	Z	3.702	4.94
42	MP2A	Mx	.004	4.94
43	MP2B	X	-6.412	1.42
44	MP2B	Z	3.702	1.42
45	MP2B	Mx	-.01	1.42
46	MP2B	X	-6.412	4.94
47	MP2B	Z	3.702	4.94
48	MP2B	Mx	-.01	4.94

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP2C	X	-8.634	1.42
50	MP2C	Z	4.985	1.42
51	MP2C	Mx	.007	1.42
52	MP2C	X	-8.634	4.94
53	MP2C	Z	4.985	4.94
54	MP2C	Mx	.007	4.94
55	MP2A	X	-.539	.5
56	MP2A	Z	.311	.5
57	MP2A	Mx	-.000225	.5
58	MP2B	X	-.539	.5
59	MP2B	Z	.311	.5
60	MP2B	Mx	.000225	.5
61	MP2C	X	-.701	.5
62	MP2C	Z	.405	.5
63	MP2C	Mx	0	.5
64	MP3A	X	-2.663	2.19
65	MP3A	Z	1.538	2.19
66	MP3A	Mx	-.002	2.19
67	MP3B	X	-2.663	2.19
68	MP3B	Z	1.538	2.19
69	MP3B	Mx	-.002	2.19
70	MP3C	X	-2.663	2.19
71	MP3C	Z	1.538	2.19
72	MP3C	Mx	-.002	2.19
73	MP2A	X	-2.326	2.19
74	MP2A	Z	1.343	2.19
75	MP2A	Mx	-.002	2.19
76	MP2B	X	-2.326	2.19
77	MP2B	Z	1.343	2.19
78	MP2B	Mx	.002	2.19
79	MP2C	X	-3.545	2.19
80	MP2C	Z	2.047	2.19
81	MP2C	Mx	0	2.19
82	M193	X	-3.764	2.79
83	M193	Z	2.173	2.79
84	M193	Mx	0	2.79
85	M162	X	-3.764	1
86	M162	Z	2.173	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.014	2.19
2	MP4A	Z	0	2.19
3	MP4A	Mx	.001	2.19
4	MP4A	X	-2.014	4.19
5	MP4A	Z	0	4.19
6	MP4A	Mx	.001	4.19
7	MP4B	X	-4.361	2.19
8	MP4B	Z	0	2.19
9	MP4B	Mx	-.001	2.19
10	MP4B	X	-4.361	4.19
11	MP4B	Z	0	4.19
12	MP4B	Mx	-.001	4.19
13	MP4C	X	-4.361	2.19
14	MP4C	Z	0	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4C	Mx	-.001	2.19
16	MP4C	X	-4.361	4.19
17	MP4C	Z	0	4.19
18	MP4C	Mx	-.001	4.19
19	MP2A	X	-6.548	1.42
20	MP2A	Z	0	1.42
21	MP2A	Mx	.007	1.42
22	MP2A	X	-6.548	4.94
23	MP2A	Z	0	4.94
24	MP2A	Mx	.007	4.94
25	MP2B	X	-9.115	1.42
26	MP2B	Z	0	1.42
27	MP2B	Mx	.000793	1.42
28	MP2B	X	-9.115	4.94
29	MP2B	Z	0	4.94
30	MP2B	Mx	.000793	4.94
31	MP2C	X	-9.115	1.42
32	MP2C	Z	0	1.42
33	MP2C	Mx	-.011	1.42
34	MP2C	X	-9.115	4.94
35	MP2C	Z	0	4.94
36	MP2C	Mx	-.011	4.94
37	MP2A	X	-6.548	1.42
38	MP2A	Z	0	1.42
39	MP2A	Mx	.007	1.42
40	MP2A	X	-6.548	4.94
41	MP2A	Z	0	4.94
42	MP2A	Mx	.007	4.94
43	MP2B	X	-9.115	1.42
44	MP2B	Z	0	1.42
45	MP2B	Mx	-.011	1.42
46	MP2B	X	-9.115	4.94
47	MP2B	Z	0	4.94
48	MP2B	Mx	-.011	4.94
49	MP2C	X	-9.115	1.42
50	MP2C	Z	0	1.42
51	MP2C	Mx	.000793	1.42
52	MP2C	X	-9.115	4.94
53	MP2C	Z	0	4.94
54	MP2C	Mx	.000793	4.94
55	MP2A	X	-.56	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.000233	.5
58	MP2B	X	-.747	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	.000156	.5
61	MP2C	X	-.747	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	.000156	.5
64	MP3A	X	-2.736	2.19
65	MP3A	Z	0	2.19
66	MP3A	Mx	-.002	2.19
67	MP3B	X	-2.736	2.19
68	MP3B	Z	0	2.19
69	MP3B	Mx	-.002	2.19
70	MP3C	X	-2.736	2.19
71	MP3C	Z	0	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3C	Mx	-.002	2.19
73	MP2A	X	-2.216	2.19
74	MP2A	Z	0	2.19
75	MP2A	Mx	-.002	2.19
76	MP2B	X	-3.624	2.19
77	MP2B	Z	0	2.19
78	MP2B	Mx	.001	2.19
79	MP2C	X	-3.624	2.19
80	MP2C	Z	0	2.19
81	MP2C	Mx	.001	2.19
82	M193	X	-5.248	2.79
83	M193	Z	0	2.79
84	M193	Mx	0	2.79
85	M162	X	-5.248	1
86	M162	Z	0	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.422	2.19
2	MP4A	Z	-1.398	2.19
3	MP4A	Mx	.001	2.19
4	MP4A	X	-2.422	4.19
5	MP4A	Z	-1.398	4.19
6	MP4A	Mx	.001	4.19
7	MP4B	X	-4.455	2.19
8	MP4B	Z	-2.572	2.19
9	MP4B	Mx	0	2.19
10	MP4B	X	-4.455	4.19
11	MP4B	Z	-2.572	4.19
12	MP4B	Mx	0	4.19
13	MP4C	X	-2.422	2.19
14	MP4C	Z	-1.398	2.19
15	MP4C	Mx	-.001	2.19
16	MP4C	X	-2.422	4.19
17	MP4C	Z	-1.398	4.19
18	MP4C	Mx	-.001	4.19
19	MP2A	X	-6.412	1.42
20	MP2A	Z	-3.702	1.42
21	MP2A	Mx	.004	1.42
22	MP2A	X	-6.412	4.94
23	MP2A	Z	-3.702	4.94
24	MP2A	Mx	.004	4.94
25	MP2B	X	-8.634	1.42
26	MP2B	Z	-4.985	1.42
27	MP2B	Mx	.007	1.42
28	MP2B	X	-8.634	4.94
29	MP2B	Z	-4.985	4.94
30	MP2B	Mx	.007	4.94
31	MP2C	X	-6.412	1.42
32	MP2C	Z	-3.702	1.42
33	MP2C	Mx	-.01	1.42
34	MP2C	X	-6.412	4.94
35	MP2C	Z	-3.702	4.94
36	MP2C	Mx	-.01	4.94
37	MP2A	X	-6.412	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP2A	Z	-3.702	1.42
39	MP2A	Mx	.01	1.42
40	MP2A	X	-6.412	4.94
41	MP2A	Z	-3.702	4.94
42	MP2A	Mx	.01	4.94
43	MP2B	X	-8.634	1.42
44	MP2B	Z	-4.985	1.42
45	MP2B	Mx	-.007	1.42
46	MP2B	X	-8.634	4.94
47	MP2B	Z	-4.985	4.94
48	MP2B	Mx	-.007	4.94
49	MP2C	X	-6.412	1.42
50	MP2C	Z	-3.702	1.42
51	MP2C	Mx	-.004	1.42
52	MP2C	X	-6.412	4.94
53	MP2C	Z	-3.702	4.94
54	MP2C	Mx	-.004	4.94
55	MP2A	X	-.539	.5
56	MP2A	Z	-.311	.5
57	MP2A	Mx	-.000225	.5
58	MP2B	X	-.701	.5
59	MP2B	Z	-.405	.5
60	MP2B	Mx	0	.5
61	MP2C	X	-.539	.5
62	MP2C	Z	-.311	.5
63	MP2C	Mx	.000225	.5
64	MP3A	X	-2.663	2.19
65	MP3A	Z	-1.538	2.19
66	MP3A	Mx	-.002	2.19
67	MP3B	X	-2.663	2.19
68	MP3B	Z	-1.538	2.19
69	MP3B	Mx	-.002	2.19
70	MP3C	X	-2.663	2.19
71	MP3C	Z	-1.538	2.19
72	MP3C	Mx	-.002	2.19
73	MP2A	X	-2.326	2.19
74	MP2A	Z	-1.343	2.19
75	MP2A	Mx	-.002	2.19
76	MP2B	X	-3.545	2.19
77	MP2B	Z	-2.047	2.19
78	MP2B	Mx	0	2.19
79	MP2C	X	-2.326	2.19
80	MP2C	Z	-1.343	2.19
81	MP2C	Mx	.002	2.19
82	M193	X	-4.689	2.79
83	M193	Z	-2.707	2.79
84	M193	Mx	0	2.79
85	M162	X	-4.689	1
86	M162	Z	-2.707	1
87	M162	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.181	2.19
2	MP4A	Z	-3.777	2.19
3	MP4A	Mx	.001	2.19

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP4A	X	-2.181	4.19
5	MP4A	Z	-3.777	4.19
6	MP4A	Mx	.001	4.19
7	MP4B	X	-2.181	2.19
8	MP4B	Z	-3.777	2.19
9	MP4B	Mx	.001	2.19
10	MP4B	X	-2.181	4.19
11	MP4B	Z	-3.777	4.19
12	MP4B	Mx	.001	4.19
13	MP4C	X	-1.007	2.19
14	MP4C	Z	-1.744	2.19
15	MP4C	Mx	-.001	2.19
16	MP4C	X	-1.007	4.19
17	MP4C	Z	-1.744	4.19
18	MP4C	Mx	-.001	4.19
19	MP2A	X	-4.557	1.42
20	MP2A	Z	-7.893	1.42
21	MP2A	Mx	-.000793	1.42
22	MP2A	X	-4.557	4.94
23	MP2A	Z	-7.893	4.94
24	MP2A	Mx	-.000793	4.94
25	MP2B	X	-4.557	1.42
26	MP2B	Z	-7.893	1.42
27	MP2B	Mx	.011	1.42
28	MP2B	X	-4.557	4.94
29	MP2B	Z	-7.893	4.94
30	MP2B	Mx	.011	4.94
31	MP2C	X	-3.274	1.42
32	MP2C	Z	-5.671	1.42
33	MP2C	Mx	-.007	1.42
34	MP2C	X	-3.274	4.94
35	MP2C	Z	-5.671	4.94
36	MP2C	Mx	-.007	4.94
37	MP2A	X	-4.557	1.42
38	MP2A	Z	-7.893	1.42
39	MP2A	Mx	.011	1.42
40	MP2A	X	-4.557	4.94
41	MP2A	Z	-7.893	4.94
42	MP2A	Mx	.011	4.94
43	MP2B	X	-4.557	1.42
44	MP2B	Z	-7.893	1.42
45	MP2B	Mx	-.000793	1.42
46	MP2B	X	-4.557	4.94
47	MP2B	Z	-7.893	4.94
48	MP2B	Mx	-.000793	4.94
49	MP2C	X	-3.274	1.42
50	MP2C	Z	-5.671	1.42
51	MP2C	Mx	-.007	1.42
52	MP2C	X	-3.274	4.94
53	MP2C	Z	-5.671	4.94
54	MP2C	Mx	-.007	4.94
55	MP2A	X	-.374	.5
56	MP2A	Z	-.647	.5
57	MP2A	Mx	-.000156	.5
58	MP2B	X	-.374	.5
59	MP2B	Z	-.647	.5
60	MP2B	Mx	-.000156	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2C	X	-.28	.5
62	MP2C	Z	-.485	.5
63	MP2C	Mx	.000233	.5
64	MP3A	X	-1.877	2.19
65	MP3A	Z	-3.251	2.19
66	MP3A	Mx	-.001	2.19
67	MP3B	X	-1.877	2.19
68	MP3B	Z	-3.251	2.19
69	MP3B	Mx	-.001	2.19
70	MP3C	X	-1.877	2.19
71	MP3C	Z	-3.251	2.19
72	MP3C	Mx	-.001	2.19
73	MP2A	X	-1.812	2.19
74	MP2A	Z	-3.138	2.19
75	MP2A	Mx	-.001	2.19
76	MP2B	X	-1.812	2.19
77	MP2B	Z	-3.138	2.19
78	MP2B	Mx	-.001	2.19
79	MP2C	X	-1.108	2.19
80	MP2C	Z	-1.919	2.19
81	MP2C	Mx	.002	2.19
82	M193	X	-2.34	2.79
83	M193	Z	-4.052	2.79
84	M193	Mx	0	2.79
85	M162	X	-2.34	1
86	M162	Z	-4.052	1
87	M162	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M185A	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M183A	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M200	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M200	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	M48	Y	-10.03	-10.03	0	%100
2	M53	Y	-9.781	-9.781	0	%100
3	M54	Y	-9.781	-9.781	0	%100
4	M62	Y	-4.593	-4.593	0	%100
5	M63	Y	-4.593	-4.593	0	%100
6	M65	Y	-4.593	-4.593	0	%100
7	M66	Y	-7.755	-7.755	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M67	Y	-7.755	-7.755	0	%100
9	M200	Y	-6.692	-6.692	0	%100
10	M186A	Y	-5.08	-5.08	0	%100
11	MP4A	Y	-5.08	-5.08	0	%100
12	MP3A	Y	-5.08	-5.08	0	%100
13	MP2A	Y	-5.08	-5.08	0	%100
14	MP1A	Y	-5.08	-5.08	0	%100
15	M113	Y	-13.832	-13.832	0	%100
16	M41	Y	-10.03	-10.03	0	%100
17	M44	Y	-9.781	-9.781	0	%100
18	M45	Y	-9.781	-9.781	0	%100
19	M53A	Y	-4.593	-4.593	0	%100
20	M54A	Y	-4.593	-4.593	0	%100
21	M56A	Y	-4.593	-4.593	0	%100
22	M57A	Y	-7.755	-7.755	0	%100
23	M58A	Y	-7.755	-7.755	0	%100
24	M61A	Y	-13.832	-13.832	0	%100
25	M65A	Y	-10.03	-10.03	0	%100
26	M68	Y	-9.781	-9.781	0	%100
27	M69	Y	-9.781	-9.781	0	%100
28	M77	Y	-4.593	-4.593	0	%100
29	M78	Y	-4.593	-4.593	0	%100
30	M80	Y	-4.593	-4.593	0	%100
31	M81	Y	-7.755	-7.755	0	%100
32	M82	Y	-7.755	-7.755	0	%100
33	M85	Y	-13.832	-13.832	0	%100
34	M112A	Y	-6.692	-6.692	0	%100
35	M117	Y	-5.08	-5.08	0	%100
36	MP4C	Y	-5.08	-5.08	0	%100
37	MP3C	Y	-5.08	-5.08	0	%100
38	MP2C	Y	-5.08	-5.08	0	%100
39	MP1C	Y	-5.08	-5.08	0	%100
40	M152	Y	-6.692	-6.692	0	%100
41	M157	Y	-5.08	-5.08	0	%100
42	MP4B	Y	-5.08	-5.08	0	%100
43	MP3B	Y	-5.08	-5.08	0	%100
44	MP2B	Y	-5.08	-5.08	0	%100
45	MP1B	Y	-5.08	-5.08	0	%100
46	M193	Y	-5.08	-5.08	0	%100
47	M224A	Y	-13.832	-13.832	0	%100
48	M225A	Y	-13.832	-13.832	0	%100
49	M226A	Y	-13.832	-13.832	0	%100
50	M162	Y	-5.08	-5.08	0	%100
51	M125A	Y	-6.743	-6.743	0	%100
52	M126	Y	-6.743	-6.743	0	%100
53	M127	Y	-6.743	-6.743	0	%100
54	M128	Y	-6.743	-6.743	0	%100
55	M129	Y	-6.743	-6.743	0	%100
56	M130	Y	-6.743	-6.743	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	M48	X	0	0	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	-16.758	-16.758	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M54	X	0	0	0	%100
6	M54	Z	-16.758	-16.758	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	-1.908	-1.908	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	-2.123	-2.123	0	%100
11	M65	X	0	0	0	%100
12	M65	Z	-1.693	-1.693	0	%100
13	M66	X	0	0	0	%100
14	M66	Z	-3.828	-3.828	0	%100
15	M67	X	0	0	0	%100
16	M67	Z	-3.828	-3.828	0	%100
17	M200	X	0	0	0	%100
18	M200	Z	-12.669	-12.669	0	%100
19	M186A	X	0	0	0	%100
20	M186A	Z	-8.597	-8.597	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	-8.597	-8.597	0	%100
23	MP3A	X	0	0	0	%100
24	MP3A	Z	-8.597	-8.597	0	%100
25	MP2A	X	0	0	0	%100
26	MP2A	Z	-8.597	-8.597	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	-8.597	-8.597	0	%100
29	M113	X	0	0	0	%100
30	M113	Z	-21.719	-21.719	0	%100
31	M41	X	0	0	0	%100
32	M41	Z	-11.698	-11.698	0	%100
33	M44	X	0	0	0	%100
34	M44	Z	-4.19	-4.19	0	%100
35	M45	X	0	0	0	%100
36	M45	Z	-4.19	-4.19	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	-.477	-.477	0	%100
39	M54A	X	0	0	0	%100
40	M54A	Z	-.531	-.531	0	%100
41	M56A	X	0	0	0	%100
42	M56A	Z	-.423	-.423	0	%100
43	M57A	X	0	0	0	%100
44	M57A	Z	-15.042	-15.042	0	%100
45	M58A	X	0	0	0	%100
46	M58A	Z	-3.693	-3.693	0	%100
47	M61A	X	0	0	0	%100
48	M61A	Z	-7.838	-7.838	0	%100
49	M65A	X	0	0	0	%100
50	M65A	Z	-11.698	-11.698	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	-4.19	-4.19	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-4.19	-4.19	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	-.477	-.477	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	-.531	-.531	0	%100
59	M80	X	0	0	0	%100
60	M80	Z	-.423	-.423	0	%100
61	M81	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M81	Z	-3.693	-3.693	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	-15.042	-15.042	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	-5.429	-5.429	0	%100
67	M112A	X	0	0	0	%100
68	M112A	Z	-3.167	-3.167	0	%100
69	M117	X	0	0	0	%100
70	M117	Z	-2.149	-2.149	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	-8.597	-8.597	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	-8.597	-8.597	0	%100
75	MP2C	X	0	0	0	%100
76	MP2C	Z	-8.597	-8.597	0	%100
77	MP1C	X	0	0	0	%100
78	MP1C	Z	-8.597	-8.597	0	%100
79	M152	X	0	0	0	%100
80	M152	Z	-3.167	-3.167	0	%100
81	M157	X	0	0	0	%100
82	M157	Z	-2.149	-2.149	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	-8.597	-8.597	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	-8.597	-8.597	0	%100
87	MP2B	X	0	0	0	%100
88	MP2B	Z	-8.597	-8.597	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	-8.597	-8.597	0	%100
91	M193	X	0	0	0	%100
92	M193	Z	-8.597	-8.597	0	%100
93	M224A	X	0	0	0	%100
94	M224A	Z	-5.53	-5.53	0	%100
95	M225A	X	0	0	0	%100
96	M225A	Z	-5.531	-5.531	0	%100
97	M226A	X	0	0	0	%100
98	M226A	Z	-22.121	-22.121	0	%100
99	M162	X	0	0	0	%100
100	M162	Z	-7.835	-7.835	0	%100
101	M125A	X	0	0	0	%100
102	M125A	Z	-8.926	-8.926	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	-8.926	-8.926	0	%100
105	M127	X	0	0	0	%100
106	M127	Z	-12.19	-12.19	0	%100
107	M128	X	0	0	0	%100
108	M128	Z	-1.519	-1.519	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	-1.519	-1.519	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	-12.19	-12.19	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	M48	X	1.95	1.95	0	%100
2	M48	Z	-3.377	-3.377	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,%]
3	M53	X	6.284	6.284	0	%100
4	M53	Z	-10.885	-10.885	0	%100
5	M54	X	6.284	6.284	0	%100
6	M54	Z	-10.885	-10.885	0	%100
7	M62	X	.716	.716	0	%100
8	M62	Z	-1.239	-1.239	0	%100
9	M63	X	.796	.796	0	%100
10	M63	Z	-1.379	-1.379	0	%100
11	M65	X	.635	.635	0	%100
12	M65	Z	-1.1	-1.1	0	%100
13	M66	X	.000203	.000203	0	%100
14	M66	Z	-.000352	-.000352	0	%100
15	M67	X	5.675	5.675	0	%100
16	M67	Z	-9.829	-9.829	0	%100
17	M200	X	4.751	4.751	0	%100
18	M200	Z	-8.229	-8.229	0	%100
19	M186A	X	3.224	3.224	0	%100
20	M186A	Z	-5.584	-5.584	0	%100
21	MP4A	X	4.299	4.299	0	%100
22	MP4A	Z	-7.445	-7.445	0	%100
23	MP3A	X	4.299	4.299	0	%100
24	MP3A	Z	-7.445	-7.445	0	%100
25	MP2A	X	4.299	4.299	0	%100
26	MP2A	Z	-7.445	-7.445	0	%100
27	MP1A	X	4.299	4.299	0	%100
28	MP1A	Z	-7.445	-7.445	0	%100
29	M113	X	8.144	8.144	0	%100
30	M113	Z	-14.107	-14.107	0	%100
31	M41	X	1.95	1.95	0	%100
32	M41	Z	-3.377	-3.377	0	%100
33	M44	X	6.284	6.284	0	%100
34	M44	Z	-10.885	-10.885	0	%100
35	M45	X	6.284	6.284	0	%100
36	M45	Z	-10.885	-10.885	0	%100
37	M53A	X	.716	.716	0	%100
38	M53A	Z	-1.239	-1.239	0	%100
39	M54A	X	.796	.796	0	%100
40	M54A	Z	-1.379	-1.379	0	%100
41	M56A	X	.635	.635	0	%100
42	M56A	Z	-1.1	-1.1	0	%100
43	M57A	X	5.675	5.675	0	%100
44	M57A	Z	-9.829	-9.829	0	%100
45	M58A	X	.000203	.000203	0	%100
46	M58A	Z	-.000352	-.000352	0	%100
47	M61A	X	8.989	8.989	0	%100
48	M61A	Z	-15.57	-15.57	0	%100
49	M65A	X	7.799	7.799	0	%100
50	M65A	Z	-13.508	-13.508	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M78	X	0	0	0	%100
58	M78	Z	0	0	0	%100
59	M80	X	0	0	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,%]
60	M80	Z	0	0	0	%100
61	M81	X	5.607	5.607	0	%100
62	M81	Z	-9.711	-9.711	0	%100
63	M82	X	5.607	5.607	0	%100
64	M82	Z	-9.711	-9.711	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	0	0	0	%100
67	M112A	X	4.751	4.751	0	%100
68	M112A	Z	-8.229	-8.229	0	%100
69	M117	X	3.224	3.224	0	%100
70	M117	Z	-5.584	-5.584	0	%100
71	MP4C	X	4.299	4.299	0	%100
72	MP4C	Z	-7.445	-7.445	0	%100
73	MP3C	X	4.299	4.299	0	%100
74	MP3C	Z	-7.445	-7.445	0	%100
75	MP2C	X	4.299	4.299	0	%100
76	MP2C	Z	-7.445	-7.445	0	%100
77	MP1C	X	4.299	4.299	0	%100
78	MP1C	Z	-7.445	-7.445	0	%100
79	M152	X	0	0	0	%100
80	M152	Z	0	0	0	%100
81	M157	X	0	0	0	%100
82	M157	Z	0	0	0	%100
83	MP4B	X	4.299	4.299	0	%100
84	MP4B	Z	-7.445	-7.445	0	%100
85	MP3B	X	4.299	4.299	0	%100
86	MP3B	Z	-7.445	-7.445	0	%100
87	MP2B	X	4.299	4.299	0	%100
88	MP2B	Z	-7.445	-7.445	0	%100
89	MP1B	X	4.299	4.299	0	%100
90	MP1B	Z	-7.445	-7.445	0	%100
91	M193	X	4.299	4.299	0	%100
92	M193	Z	-7.445	-7.445	0	%100
93	M224A	X	8.295	8.295	0	%100
94	M224A	Z	-14.368	-14.368	0	%100
95	M225A	X	0	0	0	%100
96	M225A	Z	0	0	0	%100
97	M226A	X	8.296	8.296	0	%100
98	M226A	Z	-14.368	-14.368	0	%100
99	M162	X	3.917	3.917	0	%100
100	M162	Z	-6.785	-6.785	0	%100
101	M125A	X	1.45	1.45	0	%100
102	M125A	Z	-2.511	-2.511	0	%100
103	M126	X	6.785	6.785	0	%100
104	M126	Z	-11.753	-11.753	0	%100
105	M127	X	6.785	6.785	0	%100
106	M127	Z	-11.753	-11.753	0	%100
107	M128	X	1.45	1.45	0	%100
108	M128	Z	-2.511	-2.511	0	%100
109	M129	X	3.082	3.082	0	%100
110	M129	Z	-5.338	-5.338	0	%100
111	M130	X	3.082	3.082	0	%100
112	M130	Z	-5.338	-5.338	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,%]

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,%]
1	M48	X	10.131	10.131	0	%100
2	M48	Z	-5.849	-5.849	0	%100
3	M53	X	3.628	3.628	0	%100
4	M53	Z	-2.095	-2.095	0	%100
5	M54	X	3.628	3.628	0	%100
6	M54	Z	-2.095	-2.095	0	%100
7	M62	X	.413	.413	0	%100
8	M62	Z	-.238	-.238	0	%100
9	M63	X	.46	.46	0	%100
10	M63	Z	-.265	-.265	0	%100
11	M65	X	.367	.367	0	%100
12	M65	Z	-.212	-.212	0	%100
13	M66	X	3.198	3.198	0	%100
14	M66	Z	-1.847	-1.847	0	%100
15	M67	X	13.027	13.027	0	%100
16	M67	Z	-7.521	-7.521	0	%100
17	M200	X	2.743	2.743	0	%100
18	M200	Z	-1.584	-1.584	0	%100
19	M186A	X	1.861	1.861	0	%100
20	M186A	Z	-1.075	-1.075	0	%100
21	MP4A	X	7.445	7.445	0	%100
22	MP4A	Z	-4.299	-4.299	0	%100
23	MP3A	X	7.445	7.445	0	%100
24	MP3A	Z	-4.299	-4.299	0	%100
25	MP2A	X	7.445	7.445	0	%100
26	MP2A	Z	-4.299	-4.299	0	%100
27	MP1A	X	7.445	7.445	0	%100
28	MP1A	Z	-4.299	-4.299	0	%100
29	M113	X	4.702	4.702	0	%100
30	M113	Z	-2.715	-2.715	0	%100
31	M41	X	0	0	0	%100
32	M41	Z	0	0	0	%100
33	M44	X	14.513	14.513	0	%100
34	M44	Z	-8.379	-8.379	0	%100
35	M45	X	14.513	14.513	0	%100
36	M45	Z	-8.379	-8.379	0	%100
37	M53A	X	1.652	1.652	0	%100
38	M53A	Z	-.954	-.954	0	%100
39	M54A	X	1.838	1.838	0	%100
40	M54A	Z	-1.061	-1.061	0	%100
41	M56A	X	1.466	1.466	0	%100
42	M56A	Z	-.847	-.847	0	%100
43	M57A	X	3.316	3.316	0	%100
44	M57A	Z	-1.914	-1.914	0	%100
45	M58A	X	3.316	3.316	0	%100
46	M58A	Z	-1.914	-1.914	0	%100
47	M61A	X	18.687	18.687	0	%100
48	M61A	Z	-10.789	-10.789	0	%100
49	M65A	X	10.131	10.131	0	%100
50	M65A	Z	-5.849	-5.849	0	%100
51	M68	X	3.628	3.628	0	%100
52	M68	Z	-2.095	-2.095	0	%100
53	M69	X	3.628	3.628	0	%100
54	M69	Z	-2.095	-2.095	0	%100
55	M77	X	.413	.413	0	%100
56	M77	Z	-.238	-.238	0	%100
57	M78	X	.46	.46	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,%]
58	M78	Z	-.265	-.265	0	%100
59	M80	X	.367	.367	0	%100
60	M80	Z	-.212	-.212	0	%100
61	M81	X	13.027	13.027	0	%100
62	M81	Z	-7.521	-7.521	0	%100
63	M82	X	3.198	3.198	0	%100
64	M82	Z	-1.847	-1.847	0	%100
65	M85	X	4.703	4.703	0	%100
66	M85	Z	-2.715	-2.715	0	%100
67	M112A	X	10.972	10.972	0	%100
68	M112A	Z	-6.335	-6.335	0	%100
69	M117	X	7.445	7.445	0	%100
70	M117	Z	-4.299	-4.299	0	%100
71	MP4C	X	7.445	7.445	0	%100
72	MP4C	Z	-4.299	-4.299	0	%100
73	MP3C	X	7.445	7.445	0	%100
74	MP3C	Z	-4.299	-4.299	0	%100
75	MP2C	X	7.445	7.445	0	%100
76	MP2C	Z	-4.299	-4.299	0	%100
77	MP1C	X	7.445	7.445	0	%100
78	MP1C	Z	-4.299	-4.299	0	%100
79	M152	X	2.743	2.743	0	%100
80	M152	Z	-1.584	-1.584	0	%100
81	M157	X	1.861	1.861	0	%100
82	M157	Z	-1.075	-1.075	0	%100
83	MP4B	X	7.445	7.445	0	%100
84	MP4B	Z	-4.299	-4.299	0	%100
85	MP3B	X	7.445	7.445	0	%100
86	MP3B	Z	-4.299	-4.299	0	%100
87	MP2B	X	7.445	7.445	0	%100
88	MP2B	Z	-4.299	-4.299	0	%100
89	MP1B	X	7.445	7.445	0	%100
90	MP1B	Z	-4.299	-4.299	0	%100
91	M193	X	7.445	7.445	0	%100
92	M193	Z	-4.299	-4.299	0	%100
93	M224A	X	19.158	19.158	0	%100
94	M224A	Z	-11.061	-11.061	0	%100
95	M225A	X	4.789	4.789	0	%100
96	M225A	Z	-2.765	-2.765	0	%100
97	M226A	X	4.79	4.79	0	%100
98	M226A	Z	-2.765	-2.765	0	%100
99	M162	X	6.785	6.785	0	%100
100	M162	Z	-3.917	-3.917	0	%100
101	M125A	X	1.315	1.315	0	%100
102	M125A	Z	-.759	-.759	0	%100
103	M126	X	10.557	10.557	0	%100
104	M126	Z	-6.095	-6.095	0	%100
105	M127	X	7.73	7.73	0	%100
106	M127	Z	-4.463	-4.463	0	%100
107	M128	X	7.73	7.73	0	%100
108	M128	Z	-4.463	-4.463	0	%100
109	M129	X	10.557	10.557	0	%100
110	M129	Z	-6.095	-6.095	0	%100
111	M130	X	1.315	1.315	0	%100
112	M130	Z	-.759	-.759	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	M48	X	15.598	15.598	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	0	0	0	%100
5	M54	X	0	0	0	%100
6	M54	Z	0	0	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	0	0	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	0	0	0	%100
11	M65	X	0	0	0	%100
12	M65	Z	0	0	0	%100
13	M66	X	11.214	11.214	0	%100
14	M66	Z	0	0	0	%100
15	M67	X	11.214	11.214	0	%100
16	M67	Z	0	0	0	%100
17	M200	X	0	0	0	%100
18	M200	Z	0	0	0	%100
19	M186A	X	0	0	0	%100
20	M186A	Z	0	0	0	%100
21	MP4A	X	8.597	8.597	0	%100
22	MP4A	Z	0	0	0	%100
23	MP3A	X	8.597	8.597	0	%100
24	MP3A	Z	0	0	0	%100
25	MP2A	X	8.597	8.597	0	%100
26	MP2A	Z	0	0	0	%100
27	MP1A	X	8.597	8.597	0	%100
28	MP1A	Z	0	0	0	%100
29	M113	X	0	0	0	%100
30	M113	Z	0	0	0	%100
31	M41	X	3.9	3.9	0	%100
32	M41	Z	0	0	0	%100
33	M44	X	12.569	12.569	0	%100
34	M44	Z	0	0	0	%100
35	M45	X	12.569	12.569	0	%100
36	M45	Z	0	0	0	%100
37	M53A	X	1.431	1.431	0	%100
38	M53A	Z	0	0	0	%100
39	M54A	X	1.592	1.592	0	%100
40	M54A	Z	0	0	0	%100
41	M56A	X	1.27	1.27	0	%100
42	M56A	Z	0	0	0	%100
43	M57A	X	.000406	.000406	0	%100
44	M57A	Z	0	0	0	%100
45	M58A	X	11.349	11.349	0	%100
46	M58A	Z	0	0	0	%100
47	M61A	X	15.035	15.035	0	%100
48	M61A	Z	0	0	0	%100
49	M65A	X	3.899	3.899	0	%100
50	M65A	Z	0	0	0	%100
51	M68	X	12.569	12.569	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	12.569	12.569	0	%100
54	M69	Z	0	0	0	%100
55	M77	X	1.431	1.431	0	%100
56	M77	Z	0	0	0	%100
57	M78	X	1.592	1.592	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,%]
58	M78	Z	0	0	0	%100
59	M80	X	1.27	1.27	0	%100
60	M80	Z	0	0	0	%100
61	M81	X	11.349	11.349	0	%100
62	M81	Z	0	0	0	%100
63	M82	X	.000406	.000406	0	%100
64	M82	Z	0	0	0	%100
65	M85	X	16.289	16.289	0	%100
66	M85	Z	0	0	0	%100
67	M112A	X	9.502	9.502	0	%100
68	M112A	Z	0	0	0	%100
69	M117	X	6.448	6.448	0	%100
70	M117	Z	0	0	0	%100
71	MP4C	X	8.597	8.597	0	%100
72	MP4C	Z	0	0	0	%100
73	MP3C	X	8.597	8.597	0	%100
74	MP3C	Z	0	0	0	%100
75	MP2C	X	8.597	8.597	0	%100
76	MP2C	Z	0	0	0	%100
77	MP1C	X	8.597	8.597	0	%100
78	MP1C	Z	0	0	0	%100
79	M152	X	9.502	9.502	0	%100
80	M152	Z	0	0	0	%100
81	M157	X	6.448	6.448	0	%100
82	M157	Z	0	0	0	%100
83	MP4B	X	8.597	8.597	0	%100
84	MP4B	Z	0	0	0	%100
85	MP3B	X	8.597	8.597	0	%100
86	MP3B	Z	0	0	0	%100
87	MP2B	X	8.597	8.597	0	%100
88	MP2B	Z	0	0	0	%100
89	MP1B	X	8.597	8.597	0	%100
90	MP1B	Z	0	0	0	%100
91	M193	X	8.597	8.597	0	%100
92	M193	Z	0	0	0	%100
93	M224A	X	16.591	16.591	0	%100
94	M224A	Z	0	0	0	%100
95	M225A	X	16.591	16.591	0	%100
96	M225A	Z	0	0	0	%100
97	M226A	X	0	0	0	%100
98	M226A	Z	0	0	0	%100
99	M162	X	7.835	7.835	0	%100
100	M162	Z	0	0	0	%100
101	M125A	X	6.164	6.164	0	%100
102	M125A	Z	0	0	0	%100
103	M126	X	6.164	6.164	0	%100
104	M126	Z	0	0	0	%100
105	M127	X	2.9	2.9	0	%100
106	M127	Z	0	0	0	%100
107	M128	X	13.571	13.571	0	%100
108	M128	Z	0	0	0	%100
109	M129	X	13.571	13.571	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	2.9	2.9	0	%100
112	M130	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	M48	X	10.131	10.131	0	%100
2	M48	Z	5.849	5.849	0	%100
3	M53	X	3.628	3.628	0	%100
4	M53	Z	2.095	2.095	0	%100
5	M54	X	3.628	3.628	0	%100
6	M54	Z	2.095	2.095	0	%100
7	M62	X	.413	.413	0	%100
8	M62	Z	.238	.238	0	%100
9	M63	X	.46	.46	0	%100
10	M63	Z	.265	.265	0	%100
11	M65	X	.367	.367	0	%100
12	M65	Z	.212	.212	0	%100
13	M66	X	13.027	13.027	0	%100
14	M66	Z	7.521	7.521	0	%100
15	M67	X	3.198	3.198	0	%100
16	M67	Z	1.847	1.847	0	%100
17	M200	X	2.743	2.743	0	%100
18	M200	Z	1.584	1.584	0	%100
19	M186A	X	1.861	1.861	0	%100
20	M186A	Z	1.075	1.075	0	%100
21	MP4A	X	7.445	7.445	0	%100
22	MP4A	Z	4.299	4.299	0	%100
23	MP3A	X	7.445	7.445	0	%100
24	MP3A	Z	4.299	4.299	0	%100
25	MP2A	X	7.445	7.445	0	%100
26	MP2A	Z	4.299	4.299	0	%100
27	MP1A	X	7.445	7.445	0	%100
28	MP1A	Z	4.299	4.299	0	%100
29	M113	X	4.703	4.703	0	%100
30	M113	Z	2.715	2.715	0	%100
31	M41	X	10.131	10.131	0	%100
32	M41	Z	5.849	5.849	0	%100
33	M44	X	3.628	3.628	0	%100
34	M44	Z	2.095	2.095	0	%100
35	M45	X	3.628	3.628	0	%100
36	M45	Z	2.095	2.095	0	%100
37	M53A	X	.413	.413	0	%100
38	M53A	Z	.238	.238	0	%100
39	M54A	X	.46	.46	0	%100
40	M54A	Z	.265	.265	0	%100
41	M56A	X	.367	.367	0	%100
42	M56A	Z	.212	.212	0	%100
43	M57A	X	3.198	3.198	0	%100
44	M57A	Z	1.847	1.847	0	%100
45	M58A	X	13.027	13.027	0	%100
46	M58A	Z	7.521	7.521	0	%100
47	M61A	X	4.239	4.239	0	%100
48	M61A	Z	2.447	2.447	0	%100
49	M65A	X	0	0	0	%100
50	M65A	Z	0	0	0	%100
51	M68	X	14.513	14.513	0	%100
52	M68	Z	8.379	8.379	0	%100
53	M69	X	14.513	14.513	0	%100
54	M69	Z	8.379	8.379	0	%100
55	M77	X	1.652	1.652	0	%100
56	M77	Z	.954	.954	0	%100
57	M78	X	1.838	1.838	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,%]
58	M78	Z	1.061	1.061	0	%100
59	M80	X	1.466	1.466	0	%100
60	M80	Z	.847	.847	0	%100
61	M81	X	3.316	3.316	0	%100
62	M81	Z	1.914	1.914	0	%100
63	M82	X	3.316	3.316	0	%100
64	M82	Z	1.914	1.914	0	%100
65	M85	X	18.809	18.809	0	%100
66	M85	Z	10.859	10.859	0	%100
67	M112A	X	2.743	2.743	0	%100
68	M112A	Z	1.584	1.584	0	%100
69	M117	X	1.861	1.861	0	%100
70	M117	Z	1.075	1.075	0	%100
71	MP4C	X	7.445	7.445	0	%100
72	MP4C	Z	4.299	4.299	0	%100
73	MP3C	X	7.445	7.445	0	%100
74	MP3C	Z	4.299	4.299	0	%100
75	MP2C	X	7.445	7.445	0	%100
76	MP2C	Z	4.299	4.299	0	%100
77	MP1C	X	7.445	7.445	0	%100
78	MP1C	Z	4.299	4.299	0	%100
79	M152	X	10.972	10.972	0	%100
80	M152	Z	6.335	6.335	0	%100
81	M157	X	7.445	7.445	0	%100
82	M157	Z	4.299	4.299	0	%100
83	MP4B	X	7.445	7.445	0	%100
84	MP4B	Z	4.299	4.299	0	%100
85	MP3B	X	7.445	7.445	0	%100
86	MP3B	Z	4.299	4.299	0	%100
87	MP2B	X	7.445	7.445	0	%100
88	MP2B	Z	4.299	4.299	0	%100
89	MP1B	X	7.445	7.445	0	%100
90	MP1B	Z	4.299	4.299	0	%100
91	M193	X	7.445	7.445	0	%100
92	M193	Z	4.299	4.299	0	%100
93	M224A	X	4.79	4.79	0	%100
94	M224A	Z	2.765	2.765	0	%100
95	M225A	X	19.158	19.158	0	%100
96	M225A	Z	11.061	11.061	0	%100
97	M226A	X	4.789	4.789	0	%100
98	M226A	Z	2.765	2.765	0	%100
99	M162	X	6.785	6.785	0	%100
100	M162	Z	3.917	3.917	0	%100
101	M125A	X	10.557	10.557	0	%100
102	M125A	Z	6.095	6.095	0	%100
103	M126	X	1.315	1.315	0	%100
104	M126	Z	.759	.759	0	%100
105	M127	X	1.315	1.315	0	%100
106	M127	Z	.759	.759	0	%100
107	M128	X	10.557	10.557	0	%100
108	M128	Z	6.095	6.095	0	%100
109	M129	X	7.73	7.73	0	%100
110	M129	Z	4.463	4.463	0	%100
111	M130	X	7.73	7.73	0	%100
112	M130	Z	4.463	4.463	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	M48	X	1.95	1.95	0	%100
2	M48	Z	3.377	3.377	0	%100
3	M53	X	6.284	6.284	0	%100
4	M53	Z	10.885	10.885	0	%100
5	M54	X	6.284	6.284	0	%100
6	M54	Z	10.885	10.885	0	%100
7	M62	X	.716	.716	0	%100
8	M62	Z	1.239	1.239	0	%100
9	M63	X	.796	.796	0	%100
10	M63	Z	1.379	1.379	0	%100
11	M65	X	.635	.635	0	%100
12	M65	Z	1.1	1.1	0	%100
13	M66	X	5.675	5.675	0	%100
14	M66	Z	9.829	9.829	0	%100
15	M67	X	.000203	.000203	0	%100
16	M67	Z	.000352	.000352	0	%100
17	M200	X	4.751	4.751	0	%100
18	M200	Z	8.229	8.229	0	%100
19	M186A	X	3.224	3.224	0	%100
20	M186A	Z	5.584	5.584	0	%100
21	MP4A	X	4.299	4.299	0	%100
22	MP4A	Z	7.445	7.445	0	%100
23	MP3A	X	4.299	4.299	0	%100
24	MP3A	Z	7.445	7.445	0	%100
25	MP2A	X	4.299	4.299	0	%100
26	MP2A	Z	7.445	7.445	0	%100
27	MP1A	X	4.299	4.299	0	%100
28	MP1A	Z	7.445	7.445	0	%100
29	M113	X	8.145	8.145	0	%100
30	M113	Z	14.107	14.107	0	%100
31	M41	X	7.799	7.799	0	%100
32	M41	Z	13.508	13.508	0	%100
33	M44	X	0	0	0	%100
34	M44	Z	0	0	0	%100
35	M45	X	0	0	0	%100
36	M45	Z	0	0	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	0	0	0	%100
39	M54A	X	0	0	0	%100
40	M54A	Z	0	0	0	%100
41	M56A	X	0	0	0	%100
42	M56A	Z	0	0	0	%100
43	M57A	X	5.607	5.607	0	%100
44	M57A	Z	9.711	9.711	0	%100
45	M58A	X	5.607	5.607	0	%100
46	M58A	Z	9.711	9.711	0	%100
47	M61A	X	.648	.648	0	%100
48	M61A	Z	1.122	1.122	0	%100
49	M65A	X	1.95	1.95	0	%100
50	M65A	Z	3.377	3.377	0	%100
51	M68	X	6.284	6.284	0	%100
52	M68	Z	10.885	10.885	0	%100
53	M69	X	6.284	6.284	0	%100
54	M69	Z	10.885	10.885	0	%100
55	M77	X	.716	.716	0	%100
56	M77	Z	1.239	1.239	0	%100
57	M78	X	.796	.796	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,%]
58	M78	Z	1.379	1.379	0	%100
59	M80	X	.635	.635	0	%100
60	M80	Z	1.1	1.1	0	%100
61	M81	X	.000203	.000203	0	%100
62	M81	Z	.000352	.000352	0	%100
63	M82	X	5.675	5.675	0	%100
64	M82	Z	9.829	9.829	0	%100
65	M85	X	8.144	8.144	0	%100
66	M85	Z	14.107	14.107	0	%100
67	M112A	X	0	0	0	%100
68	M112A	Z	0	0	0	%100
69	M117	X	0	0	0	%100
70	M117	Z	0	0	0	%100
71	MP4C	X	4.299	4.299	0	%100
72	MP4C	Z	7.445	7.445	0	%100
73	MP3C	X	4.299	4.299	0	%100
74	MP3C	Z	7.445	7.445	0	%100
75	MP2C	X	4.299	4.299	0	%100
76	MP2C	Z	7.445	7.445	0	%100
77	MP1C	X	4.299	4.299	0	%100
78	MP1C	Z	7.445	7.445	0	%100
79	M152	X	4.751	4.751	0	%100
80	M152	Z	8.229	8.229	0	%100
81	M157	X	3.224	3.224	0	%100
82	M157	Z	5.584	5.584	0	%100
83	MP4B	X	4.299	4.299	0	%100
84	MP4B	Z	7.445	7.445	0	%100
85	MP3B	X	4.299	4.299	0	%100
86	MP3B	Z	7.445	7.445	0	%100
87	MP2B	X	4.299	4.299	0	%100
88	MP2B	Z	7.445	7.445	0	%100
89	MP1B	X	4.299	4.299	0	%100
90	MP1B	Z	7.445	7.445	0	%100
91	M193	X	4.299	4.299	0	%100
92	M193	Z	7.445	7.445	0	%100
93	M224A	X	0	0	0	%100
94	M224A	Z	0	0	0	%100
95	M225A	X	8.296	8.296	0	%100
96	M225A	Z	14.368	14.368	0	%100
97	M226A	X	8.295	8.295	0	%100
98	M226A	Z	14.368	14.368	0	%100
99	M162	X	3.917	3.917	0	%100
100	M162	Z	6.785	6.785	0	%100
101	M125A	X	6.785	6.785	0	%100
102	M125A	Z	11.753	11.753	0	%100
103	M126	X	1.45	1.45	0	%100
104	M126	Z	2.511	2.511	0	%100
105	M127	X	3.082	3.082	0	%100
106	M127	Z	5.338	5.338	0	%100
107	M128	X	3.082	3.082	0	%100
108	M128	Z	5.338	5.338	0	%100
109	M129	X	1.45	1.45	0	%100
110	M129	Z	2.511	2.511	0	%100
111	M130	X	6.785	6.785	0	%100
112	M130	Z	11.753	11.753	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	M48	X	0	0	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	16.758	16.758	0	%100
5	M54	X	0	0	0	%100
6	M54	Z	16.758	16.758	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	1.908	1.908	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	2.123	2.123	0	%100
11	M65	X	0	0	0	%100
12	M65	Z	1.693	1.693	0	%100
13	M66	X	0	0	0	%100
14	M66	Z	3.828	3.828	0	%100
15	M67	X	0	0	0	%100
16	M67	Z	3.828	3.828	0	%100
17	M200	X	0	0	0	%100
18	M200	Z	12.669	12.669	0	%100
19	M186A	X	0	0	0	%100
20	M186A	Z	8.597	8.597	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	8.597	8.597	0	%100
23	MP3A	X	0	0	0	%100
24	MP3A	Z	8.597	8.597	0	%100
25	MP2A	X	0	0	0	%100
26	MP2A	Z	8.597	8.597	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	8.597	8.597	0	%100
29	M113	X	0	0	0	%100
30	M113	Z	21.719	21.719	0	%100
31	M41	X	0	0	0	%100
32	M41	Z	11.698	11.698	0	%100
33	M44	X	0	0	0	%100
34	M44	Z	4.19	4.19	0	%100
35	M45	X	0	0	0	%100
36	M45	Z	4.19	4.19	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	.477	.477	0	%100
39	M54A	X	0	0	0	%100
40	M54A	Z	.531	.531	0	%100
41	M56A	X	0	0	0	%100
42	M56A	Z	.423	.423	0	%100
43	M57A	X	0	0	0	%100
44	M57A	Z	15.042	15.042	0	%100
45	M58A	X	0	0	0	%100
46	M58A	Z	3.693	3.693	0	%100
47	M61A	X	0	0	0	%100
48	M61A	Z	7.838	7.838	0	%100
49	M65A	X	0	0	0	%100
50	M65A	Z	11.698	11.698	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	4.19	4.19	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	4.19	4.19	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	.477	.477	0	%100
57	M78	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	.531	.531	0	%100
59	M80	X	0	0	0	%100
60	M80	Z	.423	.423	0	%100
61	M81	X	0	0	0	%100
62	M81	Z	3.693	3.693	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	15.042	15.042	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	5.429	5.429	0	%100
67	M112A	X	0	0	0	%100
68	M112A	Z	3.167	3.167	0	%100
69	M117	X	0	0	0	%100
70	M117	Z	2.149	2.149	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	8.597	8.597	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	8.597	8.597	0	%100
75	MP2C	X	0	0	0	%100
76	MP2C	Z	8.597	8.597	0	%100
77	MP1C	X	0	0	0	%100
78	MP1C	Z	8.597	8.597	0	%100
79	M152	X	0	0	0	%100
80	M152	Z	3.167	3.167	0	%100
81	M157	X	0	0	0	%100
82	M157	Z	2.149	2.149	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	8.597	8.597	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	8.597	8.597	0	%100
87	MP2B	X	0	0	0	%100
88	MP2B	Z	8.597	8.597	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	8.597	8.597	0	%100
91	M193	X	0	0	0	%100
92	M193	Z	8.597	8.597	0	%100
93	M224A	X	0	0	0	%100
94	M224A	Z	5.53	5.53	0	%100
95	M225A	X	0	0	0	%100
96	M225A	Z	5.531	5.531	0	%100
97	M226A	X	0	0	0	%100
98	M226A	Z	22.121	22.121	0	%100
99	M162	X	0	0	0	%100
100	M162	Z	7.835	7.835	0	%100
101	M125A	X	0	0	0	%100
102	M125A	Z	8.926	8.926	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	8.926	8.926	0	%100
105	M127	X	0	0	0	%100
106	M127	Z	12.19	12.19	0	%100
107	M128	X	0	0	0	%100
108	M128	Z	1.519	1.519	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	1.519	1.519	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	12.19	12.19	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	M48	X	-1.95	-1.95	0	%100
2	M48	Z	3.377	3.377	0	%100
3	M53	X	-6.284	-6.284	0	%100
4	M53	Z	10.885	10.885	0	%100
5	M54	X	-6.284	-6.284	0	%100
6	M54	Z	10.885	10.885	0	%100
7	M62	X	-.716	-.716	0	%100
8	M62	Z	1.239	1.239	0	%100
9	M63	X	-.796	-.796	0	%100
10	M63	Z	1.379	1.379	0	%100
11	M65	X	-.635	-.635	0	%100
12	M65	Z	1.1	1.1	0	%100
13	M66	X	-.000203	-.000203	0	%100
14	M66	Z	.000352	.000352	0	%100
15	M67	X	-5.675	-5.675	0	%100
16	M67	Z	9.829	9.829	0	%100
17	M200	X	-4.751	-4.751	0	%100
18	M200	Z	8.229	8.229	0	%100
19	M186A	X	-3.224	-3.224	0	%100
20	M186A	Z	5.584	5.584	0	%100
21	MP4A	X	-4.299	-4.299	0	%100
22	MP4A	Z	7.445	7.445	0	%100
23	MP3A	X	-4.299	-4.299	0	%100
24	MP3A	Z	7.445	7.445	0	%100
25	MP2A	X	-4.299	-4.299	0	%100
26	MP2A	Z	7.445	7.445	0	%100
27	MP1A	X	-4.299	-4.299	0	%100
28	MP1A	Z	7.445	7.445	0	%100
29	M113	X	-8.144	-8.144	0	%100
30	M113	Z	14.107	14.107	0	%100
31	M41	X	-1.95	-1.95	0	%100
32	M41	Z	3.377	3.377	0	%100
33	M44	X	-6.284	-6.284	0	%100
34	M44	Z	10.885	10.885	0	%100
35	M45	X	-6.284	-6.284	0	%100
36	M45	Z	10.885	10.885	0	%100
37	M53A	X	-.716	-.716	0	%100
38	M53A	Z	1.239	1.239	0	%100
39	M54A	X	-.796	-.796	0	%100
40	M54A	Z	1.379	1.379	0	%100
41	M56A	X	-.635	-.635	0	%100
42	M56A	Z	1.1	1.1	0	%100
43	M57A	X	-5.675	-5.675	0	%100
44	M57A	Z	9.829	9.829	0	%100
45	M58A	X	-.000203	-.000203	0	%100
46	M58A	Z	.000352	.000352	0	%100
47	M61A	X	-8.989	-8.989	0	%100
48	M61A	Z	15.57	15.57	0	%100
49	M65A	X	-7.799	-7.799	0	%100
50	M65A	Z	13.508	13.508	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M78	X	0	0	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,%]
58	M78	Z	0	0	0	%100
59	M80	X	0	0	0	%100
60	M80	Z	0	0	0	%100
61	M81	X	-5.607	-5.607	0	%100
62	M81	Z	9.711	9.711	0	%100
63	M82	X	-5.607	-5.607	0	%100
64	M82	Z	9.711	9.711	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	0	0	0	%100
67	M112A	X	-4.751	-4.751	0	%100
68	M112A	Z	8.229	8.229	0	%100
69	M117	X	-3.224	-3.224	0	%100
70	M117	Z	5.584	5.584	0	%100
71	MP4C	X	-4.299	-4.299	0	%100
72	MP4C	Z	7.445	7.445	0	%100
73	MP3C	X	-4.299	-4.299	0	%100
74	MP3C	Z	7.445	7.445	0	%100
75	MP2C	X	-4.299	-4.299	0	%100
76	MP2C	Z	7.445	7.445	0	%100
77	MP1C	X	-4.299	-4.299	0	%100
78	MP1C	Z	7.445	7.445	0	%100
79	M152	X	0	0	0	%100
80	M152	Z	0	0	0	%100
81	M157	X	0	0	0	%100
82	M157	Z	0	0	0	%100
83	MP4B	X	-4.299	-4.299	0	%100
84	MP4B	Z	7.445	7.445	0	%100
85	MP3B	X	-4.299	-4.299	0	%100
86	MP3B	Z	7.445	7.445	0	%100
87	MP2B	X	-4.299	-4.299	0	%100
88	MP2B	Z	7.445	7.445	0	%100
89	MP1B	X	-4.299	-4.299	0	%100
90	MP1B	Z	7.445	7.445	0	%100
91	M193	X	-4.299	-4.299	0	%100
92	M193	Z	7.445	7.445	0	%100
93	M224A	X	-8.295	-8.295	0	%100
94	M224A	Z	14.368	14.368	0	%100
95	M225A	X	0	0	0	%100
96	M225A	Z	0	0	0	%100
97	M226A	X	-8.296	-8.296	0	%100
98	M226A	Z	14.368	14.368	0	%100
99	M162	X	-3.917	-3.917	0	%100
100	M162	Z	6.785	6.785	0	%100
101	M125A	X	-1.45	-1.45	0	%100
102	M125A	Z	2.511	2.511	0	%100
103	M126	X	-6.785	-6.785	0	%100
104	M126	Z	11.753	11.753	0	%100
105	M127	X	-6.785	-6.785	0	%100
106	M127	Z	11.753	11.753	0	%100
107	M128	X	-1.45	-1.45	0	%100
108	M128	Z	2.511	2.511	0	%100
109	M129	X	-3.082	-3.082	0	%100
110	M129	Z	5.338	5.338	0	%100
111	M130	X	-3.082	-3.082	0	%100
112	M130	Z	5.338	5.338	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	M48	X	-10.131	-10.131	0	%100
2	M48	Z	5.849	5.849	0	%100
3	M53	X	-3.628	-3.628	0	%100
4	M53	Z	2.095	2.095	0	%100
5	M54	X	-3.628	-3.628	0	%100
6	M54	Z	2.095	2.095	0	%100
7	M62	X	-.413	-.413	0	%100
8	M62	Z	.238	.238	0	%100
9	M63	X	-.46	-.46	0	%100
10	M63	Z	.265	.265	0	%100
11	M65	X	-.367	-.367	0	%100
12	M65	Z	.212	.212	0	%100
13	M66	X	-3.198	-3.198	0	%100
14	M66	Z	1.847	1.847	0	%100
15	M67	X	-13.027	-13.027	0	%100
16	M67	Z	7.521	7.521	0	%100
17	M200	X	-2.743	-2.743	0	%100
18	M200	Z	1.584	1.584	0	%100
19	M186A	X	-1.861	-1.861	0	%100
20	M186A	Z	1.075	1.075	0	%100
21	MP4A	X	-7.445	-7.445	0	%100
22	MP4A	Z	4.299	4.299	0	%100
23	MP3A	X	-7.445	-7.445	0	%100
24	MP3A	Z	4.299	4.299	0	%100
25	MP2A	X	-7.445	-7.445	0	%100
26	MP2A	Z	4.299	4.299	0	%100
27	MP1A	X	-7.445	-7.445	0	%100
28	MP1A	Z	4.299	4.299	0	%100
29	M113	X	-4.702	-4.702	0	%100
30	M113	Z	2.715	2.715	0	%100
31	M41	X	0	0	0	%100
32	M41	Z	0	0	0	%100
33	M44	X	-14.513	-14.513	0	%100
34	M44	Z	8.379	8.379	0	%100
35	M45	X	-14.513	-14.513	0	%100
36	M45	Z	8.379	8.379	0	%100
37	M53A	X	-1.652	-1.652	0	%100
38	M53A	Z	.954	.954	0	%100
39	M54A	X	-1.838	-1.838	0	%100
40	M54A	Z	1.061	1.061	0	%100
41	M56A	X	-1.466	-1.466	0	%100
42	M56A	Z	.847	.847	0	%100
43	M57A	X	-3.316	-3.316	0	%100
44	M57A	Z	1.914	1.914	0	%100
45	M58A	X	-3.316	-3.316	0	%100
46	M58A	Z	1.914	1.914	0	%100
47	M61A	X	-18.687	-18.687	0	%100
48	M61A	Z	10.789	10.789	0	%100
49	M65A	X	-10.131	-10.131	0	%100
50	M65A	Z	5.849	5.849	0	%100
51	M68	X	-3.628	-3.628	0	%100
52	M68	Z	2.095	2.095	0	%100
53	M69	X	-3.628	-3.628	0	%100
54	M69	Z	2.095	2.095	0	%100
55	M77	X	-.413	-.413	0	%100
56	M77	Z	.238	.238	0	%100
57	M78	X	-.46	-.46	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,%]
58	M78	Z	.265	.265	0	%100
59	M80	X	-.367	-.367	0	%100
60	M80	Z	.212	.212	0	%100
61	M81	X	-13.027	-13.027	0	%100
62	M81	Z	7.521	7.521	0	%100
63	M82	X	-3.198	-3.198	0	%100
64	M82	Z	1.847	1.847	0	%100
65	M85	X	-4.703	-4.703	0	%100
66	M85	Z	2.715	2.715	0	%100
67	M112A	X	-10.972	-10.972	0	%100
68	M112A	Z	6.335	6.335	0	%100
69	M117	X	-7.445	-7.445	0	%100
70	M117	Z	4.299	4.299	0	%100
71	MP4C	X	-7.445	-7.445	0	%100
72	MP4C	Z	4.299	4.299	0	%100
73	MP3C	X	-7.445	-7.445	0	%100
74	MP3C	Z	4.299	4.299	0	%100
75	MP2C	X	-7.445	-7.445	0	%100
76	MP2C	Z	4.299	4.299	0	%100
77	MP1C	X	-7.445	-7.445	0	%100
78	MP1C	Z	4.299	4.299	0	%100
79	M152	X	-2.743	-2.743	0	%100
80	M152	Z	1.584	1.584	0	%100
81	M157	X	-1.861	-1.861	0	%100
82	M157	Z	1.075	1.075	0	%100
83	MP4B	X	-7.445	-7.445	0	%100
84	MP4B	Z	4.299	4.299	0	%100
85	MP3B	X	-7.445	-7.445	0	%100
86	MP3B	Z	4.299	4.299	0	%100
87	MP2B	X	-7.445	-7.445	0	%100
88	MP2B	Z	4.299	4.299	0	%100
89	MP1B	X	-7.445	-7.445	0	%100
90	MP1B	Z	4.299	4.299	0	%100
91	M193	X	-7.445	-7.445	0	%100
92	M193	Z	4.299	4.299	0	%100
93	M224A	X	-19.158	-19.158	0	%100
94	M224A	Z	11.061	11.061	0	%100
95	M225A	X	-4.789	-4.789	0	%100
96	M225A	Z	2.765	2.765	0	%100
97	M226A	X	-4.79	-4.79	0	%100
98	M226A	Z	2.765	2.765	0	%100
99	M162	X	-6.785	-6.785	0	%100
100	M162	Z	3.917	3.917	0	%100
101	M125A	X	-1.315	-1.315	0	%100
102	M125A	Z	.759	.759	0	%100
103	M126	X	-10.557	-10.557	0	%100
104	M126	Z	6.095	6.095	0	%100
105	M127	X	-7.73	-7.73	0	%100
106	M127	Z	4.463	4.463	0	%100
107	M128	X	-7.73	-7.73	0	%100
108	M128	Z	4.463	4.463	0	%100
109	M129	X	-10.557	-10.557	0	%100
110	M129	Z	6.095	6.095	0	%100
111	M130	X	-1.315	-1.315	0	%100
112	M130	Z	.759	.759	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	M48	X	-15.598	-15.598	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	0	0	0	%100
5	M54	X	0	0	0	%100
6	M54	Z	0	0	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	0	0	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	0	0	0	%100
11	M65	X	0	0	0	%100
12	M65	Z	0	0	0	%100
13	M66	X	-11.214	-11.214	0	%100
14	M66	Z	0	0	0	%100
15	M67	X	-11.214	-11.214	0	%100
16	M67	Z	0	0	0	%100
17	M200	X	0	0	0	%100
18	M200	Z	0	0	0	%100
19	M186A	X	0	0	0	%100
20	M186A	Z	0	0	0	%100
21	MP4A	X	-8.597	-8.597	0	%100
22	MP4A	Z	0	0	0	%100
23	MP3A	X	-8.597	-8.597	0	%100
24	MP3A	Z	0	0	0	%100
25	MP2A	X	-8.597	-8.597	0	%100
26	MP2A	Z	0	0	0	%100
27	MP1A	X	-8.597	-8.597	0	%100
28	MP1A	Z	0	0	0	%100
29	M113	X	0	0	0	%100
30	M113	Z	0	0	0	%100
31	M41	X	-3.9	-3.9	0	%100
32	M41	Z	0	0	0	%100
33	M44	X	-12.569	-12.569	0	%100
34	M44	Z	0	0	0	%100
35	M45	X	-12.569	-12.569	0	%100
36	M45	Z	0	0	0	%100
37	M53A	X	-1.431	-1.431	0	%100
38	M53A	Z	0	0	0	%100
39	M54A	X	-1.592	-1.592	0	%100
40	M54A	Z	0	0	0	%100
41	M56A	X	-1.27	-1.27	0	%100
42	M56A	Z	0	0	0	%100
43	M57A	X	-.000406	-.000406	0	%100
44	M57A	Z	0	0	0	%100
45	M58A	X	-11.349	-11.349	0	%100
46	M58A	Z	0	0	0	%100
47	M61A	X	-15.035	-15.035	0	%100
48	M61A	Z	0	0	0	%100
49	M65A	X	-3.899	-3.899	0	%100
50	M65A	Z	0	0	0	%100
51	M68	X	-12.569	-12.569	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-12.569	-12.569	0	%100
54	M69	Z	0	0	0	%100
55	M77	X	-1.431	-1.431	0	%100
56	M77	Z	0	0	0	%100
57	M78	X	-1.592	-1.592	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	0	0	0	%100
59	M80	X	-1.27	-1.27	0	%100
60	M80	Z	0	0	0	%100
61	M81	X	-11.349	-11.349	0	%100
62	M81	Z	0	0	0	%100
63	M82	X	-.000406	-.000406	0	%100
64	M82	Z	0	0	0	%100
65	M85	X	-16.289	-16.289	0	%100
66	M85	Z	0	0	0	%100
67	M112A	X	-9.502	-9.502	0	%100
68	M112A	Z	0	0	0	%100
69	M117	X	-6.448	-6.448	0	%100
70	M117	Z	0	0	0	%100
71	MP4C	X	-8.597	-8.597	0	%100
72	MP4C	Z	0	0	0	%100
73	MP3C	X	-8.597	-8.597	0	%100
74	MP3C	Z	0	0	0	%100
75	MP2C	X	-8.597	-8.597	0	%100
76	MP2C	Z	0	0	0	%100
77	MP1C	X	-8.597	-8.597	0	%100
78	MP1C	Z	0	0	0	%100
79	M152	X	-9.502	-9.502	0	%100
80	M152	Z	0	0	0	%100
81	M157	X	-6.448	-6.448	0	%100
82	M157	Z	0	0	0	%100
83	MP4B	X	-8.597	-8.597	0	%100
84	MP4B	Z	0	0	0	%100
85	MP3B	X	-8.597	-8.597	0	%100
86	MP3B	Z	0	0	0	%100
87	MP2B	X	-8.597	-8.597	0	%100
88	MP2B	Z	0	0	0	%100
89	MP1B	X	-8.597	-8.597	0	%100
90	MP1B	Z	0	0	0	%100
91	M193	X	-8.597	-8.597	0	%100
92	M193	Z	0	0	0	%100
93	M224A	X	-16.591	-16.591	0	%100
94	M224A	Z	0	0	0	%100
95	M225A	X	-16.591	-16.591	0	%100
96	M225A	Z	0	0	0	%100
97	M226A	X	0	0	0	%100
98	M226A	Z	0	0	0	%100
99	M162	X	-7.835	-7.835	0	%100
100	M162	Z	0	0	0	%100
101	M125A	X	-6.164	-6.164	0	%100
102	M125A	Z	0	0	0	%100
103	M126	X	-6.164	-6.164	0	%100
104	M126	Z	0	0	0	%100
105	M127	X	-2.9	-2.9	0	%100
106	M127	Z	0	0	0	%100
107	M128	X	-13.571	-13.571	0	%100
108	M128	Z	0	0	0	%100
109	M129	X	-13.571	-13.571	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	-2.9	-2.9	0	%100
112	M130	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	M48	X	-10.131	-10.131	0	%100
2	M48	Z	-5.849	-5.849	0	%100
3	M53	X	-3.628	-3.628	0	%100
4	M53	Z	-2.095	-2.095	0	%100
5	M54	X	-3.628	-3.628	0	%100
6	M54	Z	-2.095	-2.095	0	%100
7	M62	X	-.413	-.413	0	%100
8	M62	Z	-.238	-.238	0	%100
9	M63	X	-.46	-.46	0	%100
10	M63	Z	-.265	-.265	0	%100
11	M65	X	-.367	-.367	0	%100
12	M65	Z	-.212	-.212	0	%100
13	M66	X	-13.027	-13.027	0	%100
14	M66	Z	-7.521	-7.521	0	%100
15	M67	X	-3.198	-3.198	0	%100
16	M67	Z	-1.847	-1.847	0	%100
17	M200	X	-2.743	-2.743	0	%100
18	M200	Z	-1.584	-1.584	0	%100
19	M186A	X	-1.861	-1.861	0	%100
20	M186A	Z	-1.075	-1.075	0	%100
21	MP4A	X	-7.445	-7.445	0	%100
22	MP4A	Z	-4.299	-4.299	0	%100
23	MP3A	X	-7.445	-7.445	0	%100
24	MP3A	Z	-4.299	-4.299	0	%100
25	MP2A	X	-7.445	-7.445	0	%100
26	MP2A	Z	-4.299	-4.299	0	%100
27	MP1A	X	-7.445	-7.445	0	%100
28	MP1A	Z	-4.299	-4.299	0	%100
29	M113	X	-4.703	-4.703	0	%100
30	M113	Z	-2.715	-2.715	0	%100
31	M41	X	-10.131	-10.131	0	%100
32	M41	Z	-5.849	-5.849	0	%100
33	M44	X	-3.628	-3.628	0	%100
34	M44	Z	-2.095	-2.095	0	%100
35	M45	X	-3.628	-3.628	0	%100
36	M45	Z	-2.095	-2.095	0	%100
37	M53A	X	-.413	-.413	0	%100
38	M53A	Z	-.238	-.238	0	%100
39	M54A	X	-.46	-.46	0	%100
40	M54A	Z	-.265	-.265	0	%100
41	M56A	X	-.367	-.367	0	%100
42	M56A	Z	-.212	-.212	0	%100
43	M57A	X	-3.198	-3.198	0	%100
44	M57A	Z	-1.847	-1.847	0	%100
45	M58A	X	-13.027	-13.027	0	%100
46	M58A	Z	-7.521	-7.521	0	%100
47	M61A	X	-4.239	-4.239	0	%100
48	M61A	Z	-2.447	-2.447	0	%100
49	M65A	X	0	0	0	%100
50	M65A	Z	0	0	0	%100
51	M68	X	-14.513	-14.513	0	%100
52	M68	Z	-8.379	-8.379	0	%100
53	M69	X	-14.513	-14.513	0	%100
54	M69	Z	-8.379	-8.379	0	%100
55	M77	X	-1.652	-1.652	0	%100
56	M77	Z	-.954	-.954	0	%100
57	M78	X	-1.838	-1.838	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	-1.061	-1.061	0	%100
59	M80	X	-1.466	-1.466	0	%100
60	M80	Z	-.847	-.847	0	%100
61	M81	X	-3.316	-3.316	0	%100
62	M81	Z	-1.914	-1.914	0	%100
63	M82	X	-3.316	-3.316	0	%100
64	M82	Z	-1.914	-1.914	0	%100
65	M85	X	-18.809	-18.809	0	%100
66	M85	Z	-10.859	-10.859	0	%100
67	M112A	X	-2.743	-2.743	0	%100
68	M112A	Z	-1.584	-1.584	0	%100
69	M117	X	-1.861	-1.861	0	%100
70	M117	Z	-1.075	-1.075	0	%100
71	MP4C	X	-7.445	-7.445	0	%100
72	MP4C	Z	-4.299	-4.299	0	%100
73	MP3C	X	-7.445	-7.445	0	%100
74	MP3C	Z	-4.299	-4.299	0	%100
75	MP2C	X	-7.445	-7.445	0	%100
76	MP2C	Z	-4.299	-4.299	0	%100
77	MP1C	X	-7.445	-7.445	0	%100
78	MP1C	Z	-4.299	-4.299	0	%100
79	M152	X	-10.972	-10.972	0	%100
80	M152	Z	-6.335	-6.335	0	%100
81	M157	X	-7.445	-7.445	0	%100
82	M157	Z	-4.299	-4.299	0	%100
83	MP4B	X	-7.445	-7.445	0	%100
84	MP4B	Z	-4.299	-4.299	0	%100
85	MP3B	X	-7.445	-7.445	0	%100
86	MP3B	Z	-4.299	-4.299	0	%100
87	MP2B	X	-7.445	-7.445	0	%100
88	MP2B	Z	-4.299	-4.299	0	%100
89	MP1B	X	-7.445	-7.445	0	%100
90	MP1B	Z	-4.299	-4.299	0	%100
91	M193	X	-7.445	-7.445	0	%100
92	M193	Z	-4.299	-4.299	0	%100
93	M224A	X	-4.79	-4.79	0	%100
94	M224A	Z	-2.765	-2.765	0	%100
95	M225A	X	-19.158	-19.158	0	%100
96	M225A	Z	-11.061	-11.061	0	%100
97	M226A	X	-4.789	-4.789	0	%100
98	M226A	Z	-2.765	-2.765	0	%100
99	M162	X	-6.785	-6.785	0	%100
100	M162	Z	-3.917	-3.917	0	%100
101	M125A	X	-10.557	-10.557	0	%100
102	M125A	Z	-6.095	-6.095	0	%100
103	M126	X	-1.315	-1.315	0	%100
104	M126	Z	-.759	-.759	0	%100
105	M127	X	-1.315	-1.315	0	%100
106	M127	Z	-.759	-.759	0	%100
107	M128	X	-10.557	-10.557	0	%100
108	M128	Z	-6.095	-6.095	0	%100
109	M129	X	-7.73	-7.73	0	%100
110	M129	Z	-4.463	-4.463	0	%100
111	M130	X	-7.73	-7.73	0	%100
112	M130	Z	-4.463	-4.463	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	M48	X	-1.95	-1.95	0	%100
2	M48	Z	-3.377	-3.377	0	%100
3	M53	X	-6.284	-6.284	0	%100
4	M53	Z	-10.885	-10.885	0	%100
5	M54	X	-6.284	-6.284	0	%100
6	M54	Z	-10.885	-10.885	0	%100
7	M62	X	-.716	-.716	0	%100
8	M62	Z	-1.239	-1.239	0	%100
9	M63	X	-.796	-.796	0	%100
10	M63	Z	-1.379	-1.379	0	%100
11	M65	X	-.635	-.635	0	%100
12	M65	Z	-1.1	-1.1	0	%100
13	M66	X	-5.675	-5.675	0	%100
14	M66	Z	-9.829	-9.829	0	%100
15	M67	X	-.000203	-.000203	0	%100
16	M67	Z	-.000352	-.000352	0	%100
17	M200	X	-4.751	-4.751	0	%100
18	M200	Z	-8.229	-8.229	0	%100
19	M186A	X	-3.224	-3.224	0	%100
20	M186A	Z	-5.584	-5.584	0	%100
21	MP4A	X	-4.299	-4.299	0	%100
22	MP4A	Z	-7.445	-7.445	0	%100
23	MP3A	X	-4.299	-4.299	0	%100
24	MP3A	Z	-7.445	-7.445	0	%100
25	MP2A	X	-4.299	-4.299	0	%100
26	MP2A	Z	-7.445	-7.445	0	%100
27	MP1A	X	-4.299	-4.299	0	%100
28	MP1A	Z	-7.445	-7.445	0	%100
29	M113	X	-8.145	-8.145	0	%100
30	M113	Z	-14.107	-14.107	0	%100
31	M41	X	-7.799	-7.799	0	%100
32	M41	Z	-13.508	-13.508	0	%100
33	M44	X	0	0	0	%100
34	M44	Z	0	0	0	%100
35	M45	X	0	0	0	%100
36	M45	Z	0	0	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	0	0	0	%100
39	M54A	X	0	0	0	%100
40	M54A	Z	0	0	0	%100
41	M56A	X	0	0	0	%100
42	M56A	Z	0	0	0	%100
43	M57A	X	-5.607	-5.607	0	%100
44	M57A	Z	-9.711	-9.711	0	%100
45	M58A	X	-5.607	-5.607	0	%100
46	M58A	Z	-9.711	-9.711	0	%100
47	M61A	X	-.648	-.648	0	%100
48	M61A	Z	-1.122	-1.122	0	%100
49	M65A	X	-1.95	-1.95	0	%100
50	M65A	Z	-3.377	-3.377	0	%100
51	M68	X	-6.284	-6.284	0	%100
52	M68	Z	-10.885	-10.885	0	%100
53	M69	X	-6.284	-6.284	0	%100
54	M69	Z	-10.885	-10.885	0	%100
55	M77	X	-.716	-.716	0	%100
56	M77	Z	-1.239	-1.239	0	%100
57	M78	X	-.796	-.796	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	-1.379	-1.379	0	%100
59	M80	X	-.635	-.635	0	%100
60	M80	Z	-1.1	-1.1	0	%100
61	M81	X	-.000203	-.000203	0	%100
62	M81	Z	-.000352	-.000352	0	%100
63	M82	X	-5.675	-5.675	0	%100
64	M82	Z	-9.829	-9.829	0	%100
65	M85	X	-8.144	-8.144	0	%100
66	M85	Z	-14.107	-14.107	0	%100
67	M112A	X	0	0	0	%100
68	M112A	Z	0	0	0	%100
69	M117	X	0	0	0	%100
70	M117	Z	0	0	0	%100
71	MP4C	X	-4.299	-4.299	0	%100
72	MP4C	Z	-7.445	-7.445	0	%100
73	MP3C	X	-4.299	-4.299	0	%100
74	MP3C	Z	-7.445	-7.445	0	%100
75	MP2C	X	-4.299	-4.299	0	%100
76	MP2C	Z	-7.445	-7.445	0	%100
77	MP1C	X	-4.299	-4.299	0	%100
78	MP1C	Z	-7.445	-7.445	0	%100
79	M152	X	-4.751	-4.751	0	%100
80	M152	Z	-8.229	-8.229	0	%100
81	M157	X	-3.224	-3.224	0	%100
82	M157	Z	-5.584	-5.584	0	%100
83	MP4B	X	-4.299	-4.299	0	%100
84	MP4B	Z	-7.445	-7.445	0	%100
85	MP3B	X	-4.299	-4.299	0	%100
86	MP3B	Z	-7.445	-7.445	0	%100
87	MP2B	X	-4.299	-4.299	0	%100
88	MP2B	Z	-7.445	-7.445	0	%100
89	MP1B	X	-4.299	-4.299	0	%100
90	MP1B	Z	-7.445	-7.445	0	%100
91	M193	X	-4.299	-4.299	0	%100
92	M193	Z	-7.445	-7.445	0	%100
93	M224A	X	0	0	0	%100
94	M224A	Z	0	0	0	%100
95	M225A	X	-8.296	-8.296	0	%100
96	M225A	Z	-14.368	-14.368	0	%100
97	M226A	X	-8.295	-8.295	0	%100
98	M226A	Z	-14.368	-14.368	0	%100
99	M162	X	-3.917	-3.917	0	%100
100	M162	Z	-6.785	-6.785	0	%100
101	M125A	X	-6.785	-6.785	0	%100
102	M125A	Z	-11.753	-11.753	0	%100
103	M126	X	-1.45	-1.45	0	%100
104	M126	Z	-2.511	-2.511	0	%100
105	M127	X	-3.082	-3.082	0	%100
106	M127	Z	-5.338	-5.338	0	%100
107	M128	X	-3.082	-3.082	0	%100
108	M128	Z	-5.338	-5.338	0	%100
109	M129	X	-1.45	-1.45	0	%100
110	M129	Z	-2.511	-2.511	0	%100
111	M130	X	-6.785	-6.785	0	%100
112	M130	Z	-11.753	-11.753	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	M48	X	0	0	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	-3.884	-3.884	0	%100
5	M54	X	0	0	0	%100
6	M54	Z	-3.884	-3.884	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	-1.437	-1.437	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	-1.602	-1.602	0	%100
11	M65	X	0	0	0	%100
12	M65	Z	-1.273	-1.273	0	%100
13	M66	X	0	0	0	%100
14	M66	Z	-.966	-.966	0	%100
15	M67	X	0	0	0	%100
16	M67	Z	-.966	-.966	0	%100
17	M200	X	0	0	0	%100
18	M200	Z	-3.554	-3.554	0	%100
19	M186A	X	0	0	0	%100
20	M186A	Z	-2.87	-2.87	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	-2.87	-2.87	0	%100
23	MP3A	X	0	0	0	%100
24	MP3A	Z	-2.87	-2.87	0	%100
25	MP2A	X	0	0	0	%100
26	MP2A	Z	-2.87	-2.87	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	-2.87	-2.87	0	%100
29	M113	X	0	0	0	%100
30	M113	Z	-4.515	-4.515	0	%100
31	M41	X	0	0	0	%100
32	M41	Z	-3.034	-3.034	0	%100
33	M44	X	0	0	0	%100
34	M44	Z	-.971	-.971	0	%100
35	M45	X	0	0	0	%100
36	M45	Z	-.971	-.971	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	-.359	-.359	0	%100
39	M54A	X	0	0	0	%100
40	M54A	Z	-.4	-.4	0	%100
41	M56A	X	0	0	0	%100
42	M56A	Z	-.318	-.318	0	%100
43	M57A	X	0	0	0	%100
44	M57A	Z	-3.794	-3.794	0	%100
45	M58A	X	0	0	0	%100
46	M58A	Z	-.932	-.932	0	%100
47	M61A	X	0	0	0	%100
48	M61A	Z	-1.637	-1.637	0	%100
49	M65A	X	0	0	0	%100
50	M65A	Z	-3.034	-3.034	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	-.971	-.971	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-.971	-.971	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	-.359	-.359	0	%100
57	M78	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,%]
58	M78	Z	-.4	-.4	0	%100
59	M80	X	0	0	0	%100
60	M80	Z	-.318	-.318	0	%100
61	M81	X	0	0	0	%100
62	M81	Z	-.932	-.932	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	-3.794	-3.794	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	-1.129	-1.129	0	%100
67	M112A	X	0	0	0	%100
68	M112A	Z	-.888	-.888	0	%100
69	M117	X	0	0	0	%100
70	M117	Z	-.717	-.717	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	-2.87	-2.87	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	-2.87	-2.87	0	%100
75	MP2C	X	0	0	0	%100
76	MP2C	Z	-2.87	-2.87	0	%100
77	MP1C	X	0	0	0	%100
78	MP1C	Z	-2.87	-2.87	0	%100
79	M152	X	0	0	0	%100
80	M152	Z	-.888	-.888	0	%100
81	M157	X	0	0	0	%100
82	M157	Z	-.717	-.717	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	-2.87	-2.87	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	-2.87	-2.87	0	%100
87	MP2B	X	0	0	0	%100
88	MP2B	Z	-2.87	-2.87	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	-2.87	-2.87	0	%100
91	M193	X	0	0	0	%100
92	M193	Z	-2.87	-2.87	0	%100
93	M224A	X	0	0	0	%100
94	M224A	Z	-1.171	-1.171	0	%100
95	M225A	X	0	0	0	%100
96	M225A	Z	-1.171	-1.171	0	%100
97	M226A	X	0	0	0	%100
98	M226A	Z	-4.684	-4.684	0	%100
99	M162	X	0	0	0	%100
100	M162	Z	-2.622	-2.622	0	%100
101	M125A	X	0	0	0	%100
102	M125A	Z	-2.357	-2.357	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	-2.357	-2.357	0	%100
105	M127	X	0	0	0	%100
106	M127	Z	-3.219	-3.219	0	%100
107	M128	X	0	0	0	%100
108	M128	Z	-.401	-.401	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	-.401	-.401	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	-3.219	-3.219	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	M48	X	.506	.506	0	%100
2	M48	Z	-.876	-.876	0	%100
3	M53	X	1.457	1.457	0	%100
4	M53	Z	-2.523	-2.523	0	%100
5	M54	X	1.457	1.457	0	%100
6	M54	Z	-2.523	-2.523	0	%100
7	M62	X	.539	.539	0	%100
8	M62	Z	-.934	-.934	0	%100
9	M63	X	.601	.601	0	%100
10	M63	Z	-1.04	-1.04	0	%100
11	M65	X	.477	.477	0	%100
12	M65	Z	-.827	-.827	0	%100
13	M66	X	5.1e-5	5.1e-5	0	%100
14	M66	Z	-8.9e-5	-8.9e-5	0	%100
15	M67	X	1.431	1.431	0	%100
16	M67	Z	-2.479	-2.479	0	%100
17	M200	X	1.333	1.333	0	%100
18	M200	Z	-2.308	-2.308	0	%100
19	M186A	X	1.076	1.076	0	%100
20	M186A	Z	-1.864	-1.864	0	%100
21	MP4A	X	1.435	1.435	0	%100
22	MP4A	Z	-2.485	-2.485	0	%100
23	MP3A	X	1.435	1.435	0	%100
24	MP3A	Z	-2.485	-2.485	0	%100
25	MP2A	X	1.435	1.435	0	%100
26	MP2A	Z	-2.485	-2.485	0	%100
27	MP1A	X	1.435	1.435	0	%100
28	MP1A	Z	-2.485	-2.485	0	%100
29	M113	X	1.693	1.693	0	%100
30	M113	Z	-2.932	-2.932	0	%100
31	M41	X	.506	.506	0	%100
32	M41	Z	-.876	-.876	0	%100
33	M44	X	1.457	1.457	0	%100
34	M44	Z	-2.523	-2.523	0	%100
35	M45	X	1.457	1.457	0	%100
36	M45	Z	-2.523	-2.523	0	%100
37	M53A	X	.539	.539	0	%100
38	M53A	Z	-.934	-.934	0	%100
39	M54A	X	.601	.601	0	%100
40	M54A	Z	-1.04	-1.04	0	%100
41	M56A	X	.477	.477	0	%100
42	M56A	Z	-.827	-.827	0	%100
43	M57A	X	1.431	1.431	0	%100
44	M57A	Z	-2.479	-2.479	0	%100
45	M58A	X	5.1e-5	5.1e-5	0	%100
46	M58A	Z	-8.9e-5	-8.9e-5	0	%100
47	M61A	X	1.877	1.877	0	%100
48	M61A	Z	-3.252	-3.252	0	%100
49	M65A	X	2.023	2.023	0	%100
50	M65A	Z	-3.503	-3.503	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M78	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	0	0	0	%100
59	M80	X	0	0	0	%100
60	M80	Z	0	0	0	%100
61	M81	X	1.414	1.414	0	%100
62	M81	Z	-2.45	-2.45	0	%100
63	M82	X	1.414	1.414	0	%100
64	M82	Z	-2.45	-2.45	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	0	0	0	%100
67	M112A	X	1.333	1.333	0	%100
68	M112A	Z	-2.308	-2.308	0	%100
69	M117	X	1.076	1.076	0	%100
70	M117	Z	-1.864	-1.864	0	%100
71	MP4C	X	1.435	1.435	0	%100
72	MP4C	Z	-2.485	-2.485	0	%100
73	MP3C	X	1.435	1.435	0	%100
74	MP3C	Z	-2.485	-2.485	0	%100
75	MP2C	X	1.435	1.435	0	%100
76	MP2C	Z	-2.485	-2.485	0	%100
77	MP1C	X	1.435	1.435	0	%100
78	MP1C	Z	-2.485	-2.485	0	%100
79	M152	X	0	0	0	%100
80	M152	Z	0	0	0	%100
81	M157	X	0	0	0	%100
82	M157	Z	0	0	0	%100
83	MP4B	X	1.435	1.435	0	%100
84	MP4B	Z	-2.485	-2.485	0	%100
85	MP3B	X	1.435	1.435	0	%100
86	MP3B	Z	-2.485	-2.485	0	%100
87	MP2B	X	1.435	1.435	0	%100
88	MP2B	Z	-2.485	-2.485	0	%100
89	MP1B	X	1.435	1.435	0	%100
90	MP1B	Z	-2.485	-2.485	0	%100
91	M193	X	1.435	1.435	0	%100
92	M193	Z	-2.485	-2.485	0	%100
93	M224A	X	1.756	1.756	0	%100
94	M224A	Z	-3.042	-3.042	0	%100
95	M225A	X	0	0	0	%100
96	M225A	Z	0	0	0	%100
97	M226A	X	1.756	1.756	0	%100
98	M226A	Z	-3.042	-3.042	0	%100
99	M162	X	1.311	1.311	0	%100
100	M162	Z	-2.271	-2.271	0	%100
101	M125A	X	.383	.383	0	%100
102	M125A	Z	-.663	-.663	0	%100
103	M126	X	1.792	1.792	0	%100
104	M126	Z	-3.104	-3.104	0	%100
105	M127	X	1.792	1.792	0	%100
106	M127	Z	-3.104	-3.104	0	%100
107	M128	X	.383	.383	0	%100
108	M128	Z	-.663	-.663	0	%100
109	M129	X	.814	.814	0	%100
110	M129	Z	-1.41	-1.41	0	%100
111	M130	X	.814	.814	0	%100
112	M130	Z	-1.41	-1.41	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	M48	X	2.628	2.628	0	%100
2	M48	Z	-1.517	-1.517	0	%100
3	M53	X	.841	.841	0	%100
4	M53	Z	-.486	-.486	0	%100
5	M54	X	.841	.841	0	%100
6	M54	Z	-.486	-.486	0	%100
7	M62	X	.311	.311	0	%100
8	M62	Z	-.18	-.18	0	%100
9	M63	X	.347	.347	0	%100
10	M63	Z	-.2	-.2	0	%100
11	M65	X	.276	.276	0	%100
12	M65	Z	-.159	-.159	0	%100
13	M66	X	.807	.807	0	%100
14	M66	Z	-.466	-.466	0	%100
15	M67	X	3.286	3.286	0	%100
16	M67	Z	-1.897	-1.897	0	%100
17	M200	X	.769	.769	0	%100
18	M200	Z	-.444	-.444	0	%100
19	M186A	X	.621	.621	0	%100
20	M186A	Z	-.359	-.359	0	%100
21	MP4A	X	2.485	2.485	0	%100
22	MP4A	Z	-1.435	-1.435	0	%100
23	MP3A	X	2.485	2.485	0	%100
24	MP3A	Z	-1.435	-1.435	0	%100
25	MP2A	X	2.485	2.485	0	%100
26	MP2A	Z	-1.435	-1.435	0	%100
27	MP1A	X	2.485	2.485	0	%100
28	MP1A	Z	-1.435	-1.435	0	%100
29	M113	X	.977	.977	0	%100
30	M113	Z	-.564	-.564	0	%100
31	M41	X	0	0	0	%100
32	M41	Z	0	0	0	%100
33	M44	X	3.364	3.364	0	%100
34	M44	Z	-1.942	-1.942	0	%100
35	M45	X	3.364	3.364	0	%100
36	M45	Z	-1.942	-1.942	0	%100
37	M53A	X	1.245	1.245	0	%100
38	M53A	Z	-.719	-.719	0	%100
39	M54A	X	1.387	1.387	0	%100
40	M54A	Z	-.801	-.801	0	%100
41	M56A	X	1.102	1.102	0	%100
42	M56A	Z	-.636	-.636	0	%100
43	M57A	X	.836	.836	0	%100
44	M57A	Z	-.483	-.483	0	%100
45	M58A	X	.836	.836	0	%100
46	M58A	Z	-.483	-.483	0	%100
47	M61A	X	3.902	3.902	0	%100
48	M61A	Z	-2.253	-2.253	0	%100
49	M65A	X	2.628	2.628	0	%100
50	M65A	Z	-1.517	-1.517	0	%100
51	M68	X	.841	.841	0	%100
52	M68	Z	-.486	-.486	0	%100
53	M69	X	.841	.841	0	%100
54	M69	Z	-.486	-.486	0	%100
55	M77	X	.311	.311	0	%100
56	M77	Z	-.18	-.18	0	%100
57	M78	X	.347	.347	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,%]
58	M78	Z	-.2	-.2	0	%100
59	M80	X	.276	.276	0	%100
60	M80	Z	-.159	-.159	0	%100
61	M81	X	3.286	3.286	0	%100
62	M81	Z	-1.897	-1.897	0	%100
63	M82	X	.807	.807	0	%100
64	M82	Z	-.466	-.466	0	%100
65	M85	X	.978	.978	0	%100
66	M85	Z	-.564	-.564	0	%100
67	M112A	X	3.077	3.077	0	%100
68	M112A	Z	-1.777	-1.777	0	%100
69	M117	X	2.485	2.485	0	%100
70	M117	Z	-1.435	-1.435	0	%100
71	MP4C	X	2.485	2.485	0	%100
72	MP4C	Z	-1.435	-1.435	0	%100
73	MP3C	X	2.485	2.485	0	%100
74	MP3C	Z	-1.435	-1.435	0	%100
75	MP2C	X	2.485	2.485	0	%100
76	MP2C	Z	-1.435	-1.435	0	%100
77	MP1C	X	2.485	2.485	0	%100
78	MP1C	Z	-1.435	-1.435	0	%100
79	M152	X	.769	.769	0	%100
80	M152	Z	-.444	-.444	0	%100
81	M157	X	.621	.621	0	%100
82	M157	Z	-.359	-.359	0	%100
83	MP4B	X	2.485	2.485	0	%100
84	MP4B	Z	-1.435	-1.435	0	%100
85	MP3B	X	2.485	2.485	0	%100
86	MP3B	Z	-1.435	-1.435	0	%100
87	MP2B	X	2.485	2.485	0	%100
88	MP2B	Z	-1.435	-1.435	0	%100
89	MP1B	X	2.485	2.485	0	%100
90	MP1B	Z	-1.435	-1.435	0	%100
91	M193	X	2.485	2.485	0	%100
92	M193	Z	-1.435	-1.435	0	%100
93	M224A	X	4.056	4.056	0	%100
94	M224A	Z	-2.342	-2.342	0	%100
95	M225A	X	1.014	1.014	0	%100
96	M225A	Z	-.585	-.585	0	%100
97	M226A	X	1.014	1.014	0	%100
98	M226A	Z	-.586	-.586	0	%100
99	M162	X	2.271	2.271	0	%100
100	M162	Z	-1.311	-1.311	0	%100
101	M125A	X	.347	.347	0	%100
102	M125A	Z	-.201	-.201	0	%100
103	M126	X	2.788	2.788	0	%100
104	M126	Z	-1.61	-1.61	0	%100
105	M127	X	2.041	2.041	0	%100
106	M127	Z	-1.179	-1.179	0	%100
107	M128	X	2.041	2.041	0	%100
108	M128	Z	-1.179	-1.179	0	%100
109	M129	X	2.788	2.788	0	%100
110	M129	Z	-1.61	-1.61	0	%100
111	M130	X	.347	.347	0	%100
112	M130	Z	-.201	-.201	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	M48	X	4.045	4.045	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	0	0	0	%100
5	M54	X	0	0	0	%100
6	M54	Z	0	0	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	0	0	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	0	0	0	%100
11	M65	X	0	0	0	%100
12	M65	Z	0	0	0	%100
13	M66	X	2.829	2.829	0	%100
14	M66	Z	0	0	0	%100
15	M67	X	2.829	2.829	0	%100
16	M67	Z	0	0	0	%100
17	M200	X	0	0	0	%100
18	M200	Z	0	0	0	%100
19	M186A	X	0	0	0	%100
20	M186A	Z	0	0	0	%100
21	MP4A	X	2.87	2.87	0	%100
22	MP4A	Z	0	0	0	%100
23	MP3A	X	2.87	2.87	0	%100
24	MP3A	Z	0	0	0	%100
25	MP2A	X	2.87	2.87	0	%100
26	MP2A	Z	0	0	0	%100
27	MP1A	X	2.87	2.87	0	%100
28	MP1A	Z	0	0	0	%100
29	M113	X	0	0	0	%100
30	M113	Z	0	0	0	%100
31	M41	X	1.011	1.011	0	%100
32	M41	Z	0	0	0	%100
33	M44	X	2.913	2.913	0	%100
34	M44	Z	0	0	0	%100
35	M45	X	2.913	2.913	0	%100
36	M45	Z	0	0	0	%100
37	M53A	X	1.078	1.078	0	%100
38	M53A	Z	0	0	0	%100
39	M54A	X	1.201	1.201	0	%100
40	M54A	Z	0	0	0	%100
41	M56A	X	.955	.955	0	%100
42	M56A	Z	0	0	0	%100
43	M57A	X	.000102	.000102	0	%100
44	M57A	Z	0	0	0	%100
45	M58A	X	2.863	2.863	0	%100
46	M58A	Z	0	0	0	%100
47	M61A	X	3.14	3.14	0	%100
48	M61A	Z	0	0	0	%100
49	M65A	X	1.011	1.011	0	%100
50	M65A	Z	0	0	0	%100
51	M68	X	2.913	2.913	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	2.913	2.913	0	%100
54	M69	Z	0	0	0	%100
55	M77	X	1.078	1.078	0	%100
56	M77	Z	0	0	0	%100
57	M78	X	1.201	1.201	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,%]
58	M78	Z	0	0	0	%100
59	M80	X	.955	.955	0	%100
60	M80	Z	0	0	0	%100
61	M81	X	2.863	2.863	0	%100
62	M81	Z	0	0	0	%100
63	M82	X	.000102	.000102	0	%100
64	M82	Z	0	0	0	%100
65	M85	X	3.386	3.386	0	%100
66	M85	Z	0	0	0	%100
67	M112A	X	2.665	2.665	0	%100
68	M112A	Z	0	0	0	%100
69	M117	X	2.152	2.152	0	%100
70	M117	Z	0	0	0	%100
71	MP4C	X	2.87	2.87	0	%100
72	MP4C	Z	0	0	0	%100
73	MP3C	X	2.87	2.87	0	%100
74	MP3C	Z	0	0	0	%100
75	MP2C	X	2.87	2.87	0	%100
76	MP2C	Z	0	0	0	%100
77	MP1C	X	2.87	2.87	0	%100
78	MP1C	Z	0	0	0	%100
79	M152	X	2.665	2.665	0	%100
80	M152	Z	0	0	0	%100
81	M157	X	2.152	2.152	0	%100
82	M157	Z	0	0	0	%100
83	MP4B	X	2.87	2.87	0	%100
84	MP4B	Z	0	0	0	%100
85	MP3B	X	2.87	2.87	0	%100
86	MP3B	Z	0	0	0	%100
87	MP2B	X	2.87	2.87	0	%100
88	MP2B	Z	0	0	0	%100
89	MP1B	X	2.87	2.87	0	%100
90	MP1B	Z	0	0	0	%100
91	M193	X	2.87	2.87	0	%100
92	M193	Z	0	0	0	%100
93	M224A	X	3.513	3.513	0	%100
94	M224A	Z	0	0	0	%100
95	M225A	X	3.513	3.513	0	%100
96	M225A	Z	0	0	0	%100
97	M226A	X	0	0	0	%100
98	M226A	Z	0	0	0	%100
99	M162	X	2.622	2.622	0	%100
100	M162	Z	0	0	0	%100
101	M125A	X	1.628	1.628	0	%100
102	M125A	Z	0	0	0	%100
103	M126	X	1.628	1.628	0	%100
104	M126	Z	0	0	0	%100
105	M127	X	.766	.766	0	%100
106	M127	Z	0	0	0	%100
107	M128	X	3.584	3.584	0	%100
108	M128	Z	0	0	0	%100
109	M129	X	3.584	3.584	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	.766	.766	0	%100
112	M130	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	M48	X	2.628	2.628	0	%100
2	M48	Z	1.517	1.517	0	%100
3	M53	X	.841	.841	0	%100
4	M53	Z	.486	.486	0	%100
5	M54	X	.841	.841	0	%100
6	M54	Z	.486	.486	0	%100
7	M62	X	.311	.311	0	%100
8	M62	Z	.18	.18	0	%100
9	M63	X	.347	.347	0	%100
10	M63	Z	.2	.2	0	%100
11	M65	X	.276	.276	0	%100
12	M65	Z	.159	.159	0	%100
13	M66	X	3.286	3.286	0	%100
14	M66	Z	1.897	1.897	0	%100
15	M67	X	.807	.807	0	%100
16	M67	Z	.466	.466	0	%100
17	M200	X	.769	.769	0	%100
18	M200	Z	.444	.444	0	%100
19	M186A	X	.621	.621	0	%100
20	M186A	Z	.359	.359	0	%100
21	MP4A	X	2.485	2.485	0	%100
22	MP4A	Z	1.435	1.435	0	%100
23	MP3A	X	2.485	2.485	0	%100
24	MP3A	Z	1.435	1.435	0	%100
25	MP2A	X	2.485	2.485	0	%100
26	MP2A	Z	1.435	1.435	0	%100
27	MP1A	X	2.485	2.485	0	%100
28	MP1A	Z	1.435	1.435	0	%100
29	M113	X	.978	.978	0	%100
30	M113	Z	.564	.564	0	%100
31	M41	X	2.628	2.628	0	%100
32	M41	Z	1.517	1.517	0	%100
33	M44	X	.841	.841	0	%100
34	M44	Z	.486	.486	0	%100
35	M45	X	.841	.841	0	%100
36	M45	Z	.486	.486	0	%100
37	M53A	X	.311	.311	0	%100
38	M53A	Z	.18	.18	0	%100
39	M54A	X	.347	.347	0	%100
40	M54A	Z	.2	.2	0	%100
41	M56A	X	.276	.276	0	%100
42	M56A	Z	.159	.159	0	%100
43	M57A	X	.807	.807	0	%100
44	M57A	Z	.466	.466	0	%100
45	M58A	X	3.286	3.286	0	%100
46	M58A	Z	1.897	1.897	0	%100
47	M61A	X	.885	.885	0	%100
48	M61A	Z	.511	.511	0	%100
49	M65A	X	0	0	0	%100
50	M65A	Z	0	0	0	%100
51	M68	X	3.364	3.364	0	%100
52	M68	Z	1.942	1.942	0	%100
53	M69	X	3.364	3.364	0	%100
54	M69	Z	1.942	1.942	0	%100
55	M77	X	1.245	1.245	0	%100
56	M77	Z	.719	.719	0	%100
57	M78	X	1.387	1.387	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,%]
58	M78	Z	.801	.801	0	%100
59	M80	X	1.102	1.102	0	%100
60	M80	Z	.636	.636	0	%100
61	M81	X	.836	.836	0	%100
62	M81	Z	.483	.483	0	%100
63	M82	X	.836	.836	0	%100
64	M82	Z	.483	.483	0	%100
65	M85	X	3.91	3.91	0	%100
66	M85	Z	2.257	2.257	0	%100
67	M112A	X	.769	.769	0	%100
68	M112A	Z	.444	.444	0	%100
69	M117	X	.621	.621	0	%100
70	M117	Z	.359	.359	0	%100
71	MP4C	X	2.485	2.485	0	%100
72	MP4C	Z	1.435	1.435	0	%100
73	MP3C	X	2.485	2.485	0	%100
74	MP3C	Z	1.435	1.435	0	%100
75	MP2C	X	2.485	2.485	0	%100
76	MP2C	Z	1.435	1.435	0	%100
77	MP1C	X	2.485	2.485	0	%100
78	MP1C	Z	1.435	1.435	0	%100
79	M152	X	3.077	3.077	0	%100
80	M152	Z	1.777	1.777	0	%100
81	M157	X	2.485	2.485	0	%100
82	M157	Z	1.435	1.435	0	%100
83	MP4B	X	2.485	2.485	0	%100
84	MP4B	Z	1.435	1.435	0	%100
85	MP3B	X	2.485	2.485	0	%100
86	MP3B	Z	1.435	1.435	0	%100
87	MP2B	X	2.485	2.485	0	%100
88	MP2B	Z	1.435	1.435	0	%100
89	MP1B	X	2.485	2.485	0	%100
90	MP1B	Z	1.435	1.435	0	%100
91	M193	X	2.485	2.485	0	%100
92	M193	Z	1.435	1.435	0	%100
93	M224A	X	1.014	1.014	0	%100
94	M224A	Z	.586	.586	0	%100
95	M225A	X	4.056	4.056	0	%100
96	M225A	Z	2.342	2.342	0	%100
97	M226A	X	1.014	1.014	0	%100
98	M226A	Z	.585	.585	0	%100
99	M162	X	2.271	2.271	0	%100
100	M162	Z	1.311	1.311	0	%100
101	M125A	X	2.788	2.788	0	%100
102	M125A	Z	1.61	1.61	0	%100
103	M126	X	.347	.347	0	%100
104	M126	Z	.201	.201	0	%100
105	M127	X	.347	.347	0	%100
106	M127	Z	.201	.201	0	%100
107	M128	X	2.788	2.788	0	%100
108	M128	Z	1.61	1.61	0	%100
109	M129	X	2.041	2.041	0	%100
110	M129	Z	1.179	1.179	0	%100
111	M130	X	2.041	2.041	0	%100
112	M130	Z	1.179	1.179	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	M48	X	.506	.506	0	%100
2	M48	Z	.876	.876	0	%100
3	M53	X	1.457	1.457	0	%100
4	M53	Z	2.523	2.523	0	%100
5	M54	X	1.457	1.457	0	%100
6	M54	Z	2.523	2.523	0	%100
7	M62	X	.539	.539	0	%100
8	M62	Z	.934	.934	0	%100
9	M63	X	.601	.601	0	%100
10	M63	Z	1.04	1.04	0	%100
11	M65	X	.477	.477	0	%100
12	M65	Z	.827	.827	0	%100
13	M66	X	1.431	1.431	0	%100
14	M66	Z	2.479	2.479	0	%100
15	M67	X	5.1e-5	5.1e-5	0	%100
16	M67	Z	8.9e-5	8.9e-5	0	%100
17	M200	X	1.333	1.333	0	%100
18	M200	Z	2.308	2.308	0	%100
19	M186A	X	1.076	1.076	0	%100
20	M186A	Z	1.864	1.864	0	%100
21	MP4A	X	1.435	1.435	0	%100
22	MP4A	Z	2.485	2.485	0	%100
23	MP3A	X	1.435	1.435	0	%100
24	MP3A	Z	2.485	2.485	0	%100
25	MP2A	X	1.435	1.435	0	%100
26	MP2A	Z	2.485	2.485	0	%100
27	MP1A	X	1.435	1.435	0	%100
28	MP1A	Z	2.485	2.485	0	%100
29	M113	X	1.693	1.693	0	%100
30	M113	Z	2.933	2.933	0	%100
31	M41	X	2.023	2.023	0	%100
32	M41	Z	3.503	3.503	0	%100
33	M44	X	0	0	0	%100
34	M44	Z	0	0	0	%100
35	M45	X	0	0	0	%100
36	M45	Z	0	0	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	0	0	0	%100
39	M54A	X	0	0	0	%100
40	M54A	Z	0	0	0	%100
41	M56A	X	0	0	0	%100
42	M56A	Z	0	0	0	%100
43	M57A	X	1.414	1.414	0	%100
44	M57A	Z	2.45	2.45	0	%100
45	M58A	X	1.414	1.414	0	%100
46	M58A	Z	2.45	2.45	0	%100
47	M61A	X	.135	.135	0	%100
48	M61A	Z	.234	.234	0	%100
49	M65A	X	.506	.506	0	%100
50	M65A	Z	.876	.876	0	%100
51	M68	X	1.457	1.457	0	%100
52	M68	Z	2.523	2.523	0	%100
53	M69	X	1.457	1.457	0	%100
54	M69	Z	2.523	2.523	0	%100
55	M77	X	.539	.539	0	%100
56	M77	Z	.934	.934	0	%100
57	M78	X	.601	.601	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,%]
58	M78	Z	1.04	1.04	0	%100
59	M80	X	.477	.477	0	%100
60	M80	Z	.827	.827	0	%100
61	M81	X	5.1e-5	5.1e-5	0	%100
62	M81	Z	8.9e-5	8.9e-5	0	%100
63	M82	X	1.431	1.431	0	%100
64	M82	Z	2.479	2.479	0	%100
65	M85	X	1.693	1.693	0	%100
66	M85	Z	2.932	2.932	0	%100
67	M112A	X	0	0	0	%100
68	M112A	Z	0	0	0	%100
69	M117	X	0	0	0	%100
70	M117	Z	0	0	0	%100
71	MP4C	X	1.435	1.435	0	%100
72	MP4C	Z	2.485	2.485	0	%100
73	MP3C	X	1.435	1.435	0	%100
74	MP3C	Z	2.485	2.485	0	%100
75	MP2C	X	1.435	1.435	0	%100
76	MP2C	Z	2.485	2.485	0	%100
77	MP1C	X	1.435	1.435	0	%100
78	MP1C	Z	2.485	2.485	0	%100
79	M152	X	1.333	1.333	0	%100
80	M152	Z	2.308	2.308	0	%100
81	M157	X	1.076	1.076	0	%100
82	M157	Z	1.864	1.864	0	%100
83	MP4B	X	1.435	1.435	0	%100
84	MP4B	Z	2.485	2.485	0	%100
85	MP3B	X	1.435	1.435	0	%100
86	MP3B	Z	2.485	2.485	0	%100
87	MP2B	X	1.435	1.435	0	%100
88	MP2B	Z	2.485	2.485	0	%100
89	MP1B	X	1.435	1.435	0	%100
90	MP1B	Z	2.485	2.485	0	%100
91	M193	X	1.435	1.435	0	%100
92	M193	Z	2.485	2.485	0	%100
93	M224A	X	0	0	0	%100
94	M224A	Z	0	0	0	%100
95	M225A	X	1.756	1.756	0	%100
96	M225A	Z	3.042	3.042	0	%100
97	M226A	X	1.756	1.756	0	%100
98	M226A	Z	3.042	3.042	0	%100
99	M162	X	1.311	1.311	0	%100
100	M162	Z	2.271	2.271	0	%100
101	M125A	X	1.792	1.792	0	%100
102	M125A	Z	3.104	3.104	0	%100
103	M126	X	.383	.383	0	%100
104	M126	Z	.663	.663	0	%100
105	M127	X	.814	.814	0	%100
106	M127	Z	1.41	1.41	0	%100
107	M128	X	.814	.814	0	%100
108	M128	Z	1.41	1.41	0	%100
109	M129	X	.383	.383	0	%100
110	M129	Z	.663	.663	0	%100
111	M130	X	1.792	1.792	0	%100
112	M130	Z	3.104	3.104	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	M48	X	0	0	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	3.884	3.884	0	%100
5	M54	X	0	0	0	%100
6	M54	Z	3.884	3.884	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	1.437	1.437	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	1.602	1.602	0	%100
11	M65	X	0	0	0	%100
12	M65	Z	1.273	1.273	0	%100
13	M66	X	0	0	0	%100
14	M66	Z	.966	.966	0	%100
15	M67	X	0	0	0	%100
16	M67	Z	.966	.966	0	%100
17	M200	X	0	0	0	%100
18	M200	Z	3.554	3.554	0	%100
19	M186A	X	0	0	0	%100
20	M186A	Z	2.87	2.87	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	2.87	2.87	0	%100
23	MP3A	X	0	0	0	%100
24	MP3A	Z	2.87	2.87	0	%100
25	MP2A	X	0	0	0	%100
26	MP2A	Z	2.87	2.87	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	2.87	2.87	0	%100
29	M113	X	0	0	0	%100
30	M113	Z	4.515	4.515	0	%100
31	M41	X	0	0	0	%100
32	M41	Z	3.034	3.034	0	%100
33	M44	X	0	0	0	%100
34	M44	Z	.971	.971	0	%100
35	M45	X	0	0	0	%100
36	M45	Z	.971	.971	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	.359	.359	0	%100
39	M54A	X	0	0	0	%100
40	M54A	Z	.4	.4	0	%100
41	M56A	X	0	0	0	%100
42	M56A	Z	.318	.318	0	%100
43	M57A	X	0	0	0	%100
44	M57A	Z	3.794	3.794	0	%100
45	M58A	X	0	0	0	%100
46	M58A	Z	.932	.932	0	%100
47	M61A	X	0	0	0	%100
48	M61A	Z	1.637	1.637	0	%100
49	M65A	X	0	0	0	%100
50	M65A	Z	3.034	3.034	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	.971	.971	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	.971	.971	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	.359	.359	0	%100
57	M78	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	.4	.4	0	%100
59	M80	X	0	0	0	%100
60	M80	Z	.318	.318	0	%100
61	M81	X	0	0	0	%100
62	M81	Z	.932	.932	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	3.794	3.794	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	1.129	1.129	0	%100
67	M112A	X	0	0	0	%100
68	M112A	Z	.888	.888	0	%100
69	M117	X	0	0	0	%100
70	M117	Z	.717	.717	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	2.87	2.87	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	2.87	2.87	0	%100
75	MP2C	X	0	0	0	%100
76	MP2C	Z	2.87	2.87	0	%100
77	MP1C	X	0	0	0	%100
78	MP1C	Z	2.87	2.87	0	%100
79	M152	X	0	0	0	%100
80	M152	Z	.888	.888	0	%100
81	M157	X	0	0	0	%100
82	M157	Z	.717	.717	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	2.87	2.87	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	2.87	2.87	0	%100
87	MP2B	X	0	0	0	%100
88	MP2B	Z	2.87	2.87	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	2.87	2.87	0	%100
91	M193	X	0	0	0	%100
92	M193	Z	2.87	2.87	0	%100
93	M224A	X	0	0	0	%100
94	M224A	Z	1.171	1.171	0	%100
95	M225A	X	0	0	0	%100
96	M225A	Z	1.171	1.171	0	%100
97	M226A	X	0	0	0	%100
98	M226A	Z	4.684	4.684	0	%100
99	M162	X	0	0	0	%100
100	M162	Z	2.622	2.622	0	%100
101	M125A	X	0	0	0	%100
102	M125A	Z	2.357	2.357	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	2.357	2.357	0	%100
105	M127	X	0	0	0	%100
106	M127	Z	3.219	3.219	0	%100
107	M128	X	0	0	0	%100
108	M128	Z	.401	.401	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	.401	.401	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	3.219	3.219	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	M48	X	-.506	-.506	0	%100
2	M48	Z	.876	.876	0	%100
3	M53	X	-1.457	-1.457	0	%100
4	M53	Z	2.523	2.523	0	%100
5	M54	X	-1.457	-1.457	0	%100
6	M54	Z	2.523	2.523	0	%100
7	M62	X	-.539	-.539	0	%100
8	M62	Z	.934	.934	0	%100
9	M63	X	-.601	-.601	0	%100
10	M63	Z	1.04	1.04	0	%100
11	M65	X	-.477	-.477	0	%100
12	M65	Z	.827	.827	0	%100
13	M66	X	-5.1e-5	-5.1e-5	0	%100
14	M66	Z	8.9e-5	8.9e-5	0	%100
15	M67	X	-1.431	-1.431	0	%100
16	M67	Z	2.479	2.479	0	%100
17	M200	X	-1.333	-1.333	0	%100
18	M200	Z	2.308	2.308	0	%100
19	M186A	X	-1.076	-1.076	0	%100
20	M186A	Z	1.864	1.864	0	%100
21	MP4A	X	-1.435	-1.435	0	%100
22	MP4A	Z	2.485	2.485	0	%100
23	MP3A	X	-1.435	-1.435	0	%100
24	MP3A	Z	2.485	2.485	0	%100
25	MP2A	X	-1.435	-1.435	0	%100
26	MP2A	Z	2.485	2.485	0	%100
27	MP1A	X	-1.435	-1.435	0	%100
28	MP1A	Z	2.485	2.485	0	%100
29	M113	X	-1.693	-1.693	0	%100
30	M113	Z	2.932	2.932	0	%100
31	M41	X	-.506	-.506	0	%100
32	M41	Z	.876	.876	0	%100
33	M44	X	-1.457	-1.457	0	%100
34	M44	Z	2.523	2.523	0	%100
35	M45	X	-1.457	-1.457	0	%100
36	M45	Z	2.523	2.523	0	%100
37	M53A	X	-.539	-.539	0	%100
38	M53A	Z	.934	.934	0	%100
39	M54A	X	-.601	-.601	0	%100
40	M54A	Z	1.04	1.04	0	%100
41	M56A	X	-.477	-.477	0	%100
42	M56A	Z	.827	.827	0	%100
43	M57A	X	-1.431	-1.431	0	%100
44	M57A	Z	2.479	2.479	0	%100
45	M58A	X	-5.1e-5	-5.1e-5	0	%100
46	M58A	Z	8.9e-5	8.9e-5	0	%100
47	M61A	X	-1.877	-1.877	0	%100
48	M61A	Z	3.252	3.252	0	%100
49	M65A	X	-2.023	-2.023	0	%100
50	M65A	Z	3.503	3.503	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M78	X	0	0	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,%]
58	M78	Z	0	0	0	%100
59	M80	X	0	0	0	%100
60	M80	Z	0	0	0	%100
61	M81	X	-1.414	-1.414	0	%100
62	M81	Z	2.45	2.45	0	%100
63	M82	X	-1.414	-1.414	0	%100
64	M82	Z	2.45	2.45	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	0	0	0	%100
67	M112A	X	-1.333	-1.333	0	%100
68	M112A	Z	2.308	2.308	0	%100
69	M117	X	-1.076	-1.076	0	%100
70	M117	Z	1.864	1.864	0	%100
71	MP4C	X	-1.435	-1.435	0	%100
72	MP4C	Z	2.485	2.485	0	%100
73	MP3C	X	-1.435	-1.435	0	%100
74	MP3C	Z	2.485	2.485	0	%100
75	MP2C	X	-1.435	-1.435	0	%100
76	MP2C	Z	2.485	2.485	0	%100
77	MP1C	X	-1.435	-1.435	0	%100
78	MP1C	Z	2.485	2.485	0	%100
79	M152	X	0	0	0	%100
80	M152	Z	0	0	0	%100
81	M157	X	0	0	0	%100
82	M157	Z	0	0	0	%100
83	MP4B	X	-1.435	-1.435	0	%100
84	MP4B	Z	2.485	2.485	0	%100
85	MP3B	X	-1.435	-1.435	0	%100
86	MP3B	Z	2.485	2.485	0	%100
87	MP2B	X	-1.435	-1.435	0	%100
88	MP2B	Z	2.485	2.485	0	%100
89	MP1B	X	-1.435	-1.435	0	%100
90	MP1B	Z	2.485	2.485	0	%100
91	M193	X	-1.435	-1.435	0	%100
92	M193	Z	2.485	2.485	0	%100
93	M224A	X	-1.756	-1.756	0	%100
94	M224A	Z	3.042	3.042	0	%100
95	M225A	X	0	0	0	%100
96	M225A	Z	0	0	0	%100
97	M226A	X	-1.756	-1.756	0	%100
98	M226A	Z	3.042	3.042	0	%100
99	M162	X	-1.311	-1.311	0	%100
100	M162	Z	2.271	2.271	0	%100
101	M125A	X	-.383	-.383	0	%100
102	M125A	Z	.663	.663	0	%100
103	M126	X	-1.792	-1.792	0	%100
104	M126	Z	3.104	3.104	0	%100
105	M127	X	-1.792	-1.792	0	%100
106	M127	Z	3.104	3.104	0	%100
107	M128	X	-.383	-.383	0	%100
108	M128	Z	.663	.663	0	%100
109	M129	X	-.814	-.814	0	%100
110	M129	Z	1.41	1.41	0	%100
111	M130	X	-.814	-.814	0	%100
112	M130	Z	1.41	1.41	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	M48	X	-2.628	-2.628	0	%100
2	M48	Z	1.517	1.517	0	%100
3	M53	X	-.841	-.841	0	%100
4	M53	Z	.486	.486	0	%100
5	M54	X	-.841	-.841	0	%100
6	M54	Z	.486	.486	0	%100
7	M62	X	-.311	-.311	0	%100
8	M62	Z	.18	.18	0	%100
9	M63	X	-.347	-.347	0	%100
10	M63	Z	.2	.2	0	%100
11	M65	X	-.276	-.276	0	%100
12	M65	Z	.159	.159	0	%100
13	M66	X	-.807	-.807	0	%100
14	M66	Z	.466	.466	0	%100
15	M67	X	-3.286	-3.286	0	%100
16	M67	Z	1.897	1.897	0	%100
17	M200	X	-.769	-.769	0	%100
18	M200	Z	.444	.444	0	%100
19	M186A	X	-.621	-.621	0	%100
20	M186A	Z	.359	.359	0	%100
21	MP4A	X	-2.485	-2.485	0	%100
22	MP4A	Z	1.435	1.435	0	%100
23	MP3A	X	-2.485	-2.485	0	%100
24	MP3A	Z	1.435	1.435	0	%100
25	MP2A	X	-2.485	-2.485	0	%100
26	MP2A	Z	1.435	1.435	0	%100
27	MP1A	X	-2.485	-2.485	0	%100
28	MP1A	Z	1.435	1.435	0	%100
29	M113	X	-.977	-.977	0	%100
30	M113	Z	.564	.564	0	%100
31	M41	X	0	0	0	%100
32	M41	Z	0	0	0	%100
33	M44	X	-3.364	-3.364	0	%100
34	M44	Z	1.942	1.942	0	%100
35	M45	X	-3.364	-3.364	0	%100
36	M45	Z	1.942	1.942	0	%100
37	M53A	X	-1.245	-1.245	0	%100
38	M53A	Z	.719	.719	0	%100
39	M54A	X	-1.387	-1.387	0	%100
40	M54A	Z	.801	.801	0	%100
41	M56A	X	-1.102	-1.102	0	%100
42	M56A	Z	.636	.636	0	%100
43	M57A	X	-.836	-.836	0	%100
44	M57A	Z	.483	.483	0	%100
45	M58A	X	-.836	-.836	0	%100
46	M58A	Z	.483	.483	0	%100
47	M61A	X	-3.902	-3.902	0	%100
48	M61A	Z	2.253	2.253	0	%100
49	M65A	X	-2.628	-2.628	0	%100
50	M65A	Z	1.517	1.517	0	%100
51	M68	X	-.841	-.841	0	%100
52	M68	Z	.486	.486	0	%100
53	M69	X	-.841	-.841	0	%100
54	M69	Z	.486	.486	0	%100
55	M77	X	-.311	-.311	0	%100
56	M77	Z	.18	.18	0	%100
57	M78	X	-.347	-.347	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,%]
58	M78	Z	.2	.2	0	%100
59	M80	X	-.276	-.276	0	%100
60	M80	Z	.159	.159	0	%100
61	M81	X	-3.286	-3.286	0	%100
62	M81	Z	1.897	1.897	0	%100
63	M82	X	-.807	-.807	0	%100
64	M82	Z	.466	.466	0	%100
65	M85	X	-.978	-.978	0	%100
66	M85	Z	.564	.564	0	%100
67	M112A	X	-3.077	-3.077	0	%100
68	M112A	Z	1.777	1.777	0	%100
69	M117	X	-2.485	-2.485	0	%100
70	M117	Z	1.435	1.435	0	%100
71	MP4C	X	-2.485	-2.485	0	%100
72	MP4C	Z	1.435	1.435	0	%100
73	MP3C	X	-2.485	-2.485	0	%100
74	MP3C	Z	1.435	1.435	0	%100
75	MP2C	X	-2.485	-2.485	0	%100
76	MP2C	Z	1.435	1.435	0	%100
77	MP1C	X	-2.485	-2.485	0	%100
78	MP1C	Z	1.435	1.435	0	%100
79	M152	X	-.769	-.769	0	%100
80	M152	Z	.444	.444	0	%100
81	M157	X	-.621	-.621	0	%100
82	M157	Z	.359	.359	0	%100
83	MP4B	X	-2.485	-2.485	0	%100
84	MP4B	Z	1.435	1.435	0	%100
85	MP3B	X	-2.485	-2.485	0	%100
86	MP3B	Z	1.435	1.435	0	%100
87	MP2B	X	-2.485	-2.485	0	%100
88	MP2B	Z	1.435	1.435	0	%100
89	MP1B	X	-2.485	-2.485	0	%100
90	MP1B	Z	1.435	1.435	0	%100
91	M193	X	-2.485	-2.485	0	%100
92	M193	Z	1.435	1.435	0	%100
93	M224A	X	-4.056	-4.056	0	%100
94	M224A	Z	2.342	2.342	0	%100
95	M225A	X	-1.014	-1.014	0	%100
96	M225A	Z	.585	.585	0	%100
97	M226A	X	-1.014	-1.014	0	%100
98	M226A	Z	.586	.586	0	%100
99	M162	X	-2.271	-2.271	0	%100
100	M162	Z	1.311	1.311	0	%100
101	M125A	X	-.347	-.347	0	%100
102	M125A	Z	.201	.201	0	%100
103	M126	X	-2.788	-2.788	0	%100
104	M126	Z	1.61	1.61	0	%100
105	M127	X	-2.041	-2.041	0	%100
106	M127	Z	1.179	1.179	0	%100
107	M128	X	-2.041	-2.041	0	%100
108	M128	Z	1.179	1.179	0	%100
109	M129	X	-2.788	-2.788	0	%100
110	M129	Z	1.61	1.61	0	%100
111	M130	X	-.347	-.347	0	%100
112	M130	Z	.201	.201	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	M48	X	-4.045	-4.045	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	0	0	0	%100
5	M54	X	0	0	0	%100
6	M54	Z	0	0	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	0	0	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	0	0	0	%100
11	M65	X	0	0	0	%100
12	M65	Z	0	0	0	%100
13	M66	X	-2.829	-2.829	0	%100
14	M66	Z	0	0	0	%100
15	M67	X	-2.829	-2.829	0	%100
16	M67	Z	0	0	0	%100
17	M200	X	0	0	0	%100
18	M200	Z	0	0	0	%100
19	M186A	X	0	0	0	%100
20	M186A	Z	0	0	0	%100
21	MP4A	X	-2.87	-2.87	0	%100
22	MP4A	Z	0	0	0	%100
23	MP3A	X	-2.87	-2.87	0	%100
24	MP3A	Z	0	0	0	%100
25	MP2A	X	-2.87	-2.87	0	%100
26	MP2A	Z	0	0	0	%100
27	MP1A	X	-2.87	-2.87	0	%100
28	MP1A	Z	0	0	0	%100
29	M113	X	0	0	0	%100
30	M113	Z	0	0	0	%100
31	M41	X	-1.011	-1.011	0	%100
32	M41	Z	0	0	0	%100
33	M44	X	-2.913	-2.913	0	%100
34	M44	Z	0	0	0	%100
35	M45	X	-2.913	-2.913	0	%100
36	M45	Z	0	0	0	%100
37	M53A	X	-1.078	-1.078	0	%100
38	M53A	Z	0	0	0	%100
39	M54A	X	-1.201	-1.201	0	%100
40	M54A	Z	0	0	0	%100
41	M56A	X	-.955	-.955	0	%100
42	M56A	Z	0	0	0	%100
43	M57A	X	-.000102	-.000102	0	%100
44	M57A	Z	0	0	0	%100
45	M58A	X	-2.863	-2.863	0	%100
46	M58A	Z	0	0	0	%100
47	M61A	X	-3.14	-3.14	0	%100
48	M61A	Z	0	0	0	%100
49	M65A	X	-1.011	-1.011	0	%100
50	M65A	Z	0	0	0	%100
51	M68	X	-2.913	-2.913	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-2.913	-2.913	0	%100
54	M69	Z	0	0	0	%100
55	M77	X	-1.078	-1.078	0	%100
56	M77	Z	0	0	0	%100
57	M78	X	-1.201	-1.201	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	0	0	0	%100
59	M80	X	-.955	-.955	0	%100
60	M80	Z	0	0	0	%100
61	M81	X	-2.863	-2.863	0	%100
62	M81	Z	0	0	0	%100
63	M82	X	-.000102	-.000102	0	%100
64	M82	Z	0	0	0	%100
65	M85	X	-3.386	-3.386	0	%100
66	M85	Z	0	0	0	%100
67	M112A	X	-2.665	-2.665	0	%100
68	M112A	Z	0	0	0	%100
69	M117	X	-2.152	-2.152	0	%100
70	M117	Z	0	0	0	%100
71	MP4C	X	-2.87	-2.87	0	%100
72	MP4C	Z	0	0	0	%100
73	MP3C	X	-2.87	-2.87	0	%100
74	MP3C	Z	0	0	0	%100
75	MP2C	X	-2.87	-2.87	0	%100
76	MP2C	Z	0	0	0	%100
77	MP1C	X	-2.87	-2.87	0	%100
78	MP1C	Z	0	0	0	%100
79	M152	X	-2.665	-2.665	0	%100
80	M152	Z	0	0	0	%100
81	M157	X	-2.152	-2.152	0	%100
82	M157	Z	0	0	0	%100
83	MP4B	X	-2.87	-2.87	0	%100
84	MP4B	Z	0	0	0	%100
85	MP3B	X	-2.87	-2.87	0	%100
86	MP3B	Z	0	0	0	%100
87	MP2B	X	-2.87	-2.87	0	%100
88	MP2B	Z	0	0	0	%100
89	MP1B	X	-2.87	-2.87	0	%100
90	MP1B	Z	0	0	0	%100
91	M193	X	-2.87	-2.87	0	%100
92	M193	Z	0	0	0	%100
93	M224A	X	-3.513	-3.513	0	%100
94	M224A	Z	0	0	0	%100
95	M225A	X	-3.513	-3.513	0	%100
96	M225A	Z	0	0	0	%100
97	M226A	X	0	0	0	%100
98	M226A	Z	0	0	0	%100
99	M162	X	-2.622	-2.622	0	%100
100	M162	Z	0	0	0	%100
101	M125A	X	-1.628	-1.628	0	%100
102	M125A	Z	0	0	0	%100
103	M126	X	-1.628	-1.628	0	%100
104	M126	Z	0	0	0	%100
105	M127	X	-.766	-.766	0	%100
106	M127	Z	0	0	0	%100
107	M128	X	-3.584	-3.584	0	%100
108	M128	Z	0	0	0	%100
109	M129	X	-3.584	-3.584	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	-.766	-.766	0	%100
112	M130	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	M48	X	-2.628	-2.628	0	%100
2	M48	Z	-1.517	-1.517	0	%100
3	M53	X	-.841	-.841	0	%100
4	M53	Z	-.486	-.486	0	%100
5	M54	X	-.841	-.841	0	%100
6	M54	Z	-.486	-.486	0	%100
7	M62	X	-.311	-.311	0	%100
8	M62	Z	-.18	-.18	0	%100
9	M63	X	-.347	-.347	0	%100
10	M63	Z	-.2	-.2	0	%100
11	M65	X	-.276	-.276	0	%100
12	M65	Z	-.159	-.159	0	%100
13	M66	X	-3.286	-3.286	0	%100
14	M66	Z	-1.897	-1.897	0	%100
15	M67	X	-.807	-.807	0	%100
16	M67	Z	-.466	-.466	0	%100
17	M200	X	-.769	-.769	0	%100
18	M200	Z	-.444	-.444	0	%100
19	M186A	X	-.621	-.621	0	%100
20	M186A	Z	-.359	-.359	0	%100
21	MP4A	X	-2.485	-2.485	0	%100
22	MP4A	Z	-1.435	-1.435	0	%100
23	MP3A	X	-2.485	-2.485	0	%100
24	MP3A	Z	-1.435	-1.435	0	%100
25	MP2A	X	-2.485	-2.485	0	%100
26	MP2A	Z	-1.435	-1.435	0	%100
27	MP1A	X	-2.485	-2.485	0	%100
28	MP1A	Z	-1.435	-1.435	0	%100
29	M113	X	-.978	-.978	0	%100
30	M113	Z	-.564	-.564	0	%100
31	M41	X	-2.628	-2.628	0	%100
32	M41	Z	-1.517	-1.517	0	%100
33	M44	X	-.841	-.841	0	%100
34	M44	Z	-.486	-.486	0	%100
35	M45	X	-.841	-.841	0	%100
36	M45	Z	-.486	-.486	0	%100
37	M53A	X	-.311	-.311	0	%100
38	M53A	Z	-.18	-.18	0	%100
39	M54A	X	-.347	-.347	0	%100
40	M54A	Z	-.2	-.2	0	%100
41	M56A	X	-.276	-.276	0	%100
42	M56A	Z	-.159	-.159	0	%100
43	M57A	X	-.807	-.807	0	%100
44	M57A	Z	-.466	-.466	0	%100
45	M58A	X	-3.286	-3.286	0	%100
46	M58A	Z	-1.897	-1.897	0	%100
47	M61A	X	-.885	-.885	0	%100
48	M61A	Z	-.511	-.511	0	%100
49	M65A	X	0	0	0	%100
50	M65A	Z	0	0	0	%100
51	M68	X	-3.364	-3.364	0	%100
52	M68	Z	-1.942	-1.942	0	%100
53	M69	X	-3.364	-3.364	0	%100
54	M69	Z	-1.942	-1.942	0	%100
55	M77	X	-1.245	-1.245	0	%100
56	M77	Z	-.719	-.719	0	%100
57	M78	X	-1.387	-1.387	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	-.801	-.801	0	%100
59	M80	X	-1.102	-1.102	0	%100
60	M80	Z	-.636	-.636	0	%100
61	M81	X	-.836	-.836	0	%100
62	M81	Z	-.483	-.483	0	%100
63	M82	X	-.836	-.836	0	%100
64	M82	Z	-.483	-.483	0	%100
65	M85	X	-3.91	-3.91	0	%100
66	M85	Z	-2.257	-2.257	0	%100
67	M112A	X	-.769	-.769	0	%100
68	M112A	Z	-.444	-.444	0	%100
69	M117	X	-.621	-.621	0	%100
70	M117	Z	-.359	-.359	0	%100
71	MP4C	X	-2.485	-2.485	0	%100
72	MP4C	Z	-1.435	-1.435	0	%100
73	MP3C	X	-2.485	-2.485	0	%100
74	MP3C	Z	-1.435	-1.435	0	%100
75	MP2C	X	-2.485	-2.485	0	%100
76	MP2C	Z	-1.435	-1.435	0	%100
77	MP1C	X	-2.485	-2.485	0	%100
78	MP1C	Z	-1.435	-1.435	0	%100
79	M152	X	-3.077	-3.077	0	%100
80	M152	Z	-1.777	-1.777	0	%100
81	M157	X	-2.485	-2.485	0	%100
82	M157	Z	-1.435	-1.435	0	%100
83	MP4B	X	-2.485	-2.485	0	%100
84	MP4B	Z	-1.435	-1.435	0	%100
85	MP3B	X	-2.485	-2.485	0	%100
86	MP3B	Z	-1.435	-1.435	0	%100
87	MP2B	X	-2.485	-2.485	0	%100
88	MP2B	Z	-1.435	-1.435	0	%100
89	MP1B	X	-2.485	-2.485	0	%100
90	MP1B	Z	-1.435	-1.435	0	%100
91	M193	X	-2.485	-2.485	0	%100
92	M193	Z	-1.435	-1.435	0	%100
93	M224A	X	-1.014	-1.014	0	%100
94	M224A	Z	-.586	-.586	0	%100
95	M225A	X	-4.056	-4.056	0	%100
96	M225A	Z	-2.342	-2.342	0	%100
97	M226A	X	-1.014	-1.014	0	%100
98	M226A	Z	-.585	-.585	0	%100
99	M162	X	-2.271	-2.271	0	%100
100	M162	Z	-1.311	-1.311	0	%100
101	M125A	X	-2.788	-2.788	0	%100
102	M125A	Z	-1.61	-1.61	0	%100
103	M126	X	-.347	-.347	0	%100
104	M126	Z	-.201	-.201	0	%100
105	M127	X	-.347	-.347	0	%100
106	M127	Z	-.201	-.201	0	%100
107	M128	X	-2.788	-2.788	0	%100
108	M128	Z	-1.61	-1.61	0	%100
109	M129	X	-2.041	-2.041	0	%100
110	M129	Z	-1.179	-1.179	0	%100
111	M130	X	-2.041	-2.041	0	%100
112	M130	Z	-1.179	-1.179	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	M48	X	-.506	-.506	0	%100
2	M48	Z	-.876	-.876	0	%100
3	M53	X	-1.457	-1.457	0	%100
4	M53	Z	-2.523	-2.523	0	%100
5	M54	X	-1.457	-1.457	0	%100
6	M54	Z	-2.523	-2.523	0	%100
7	M62	X	-.539	-.539	0	%100
8	M62	Z	-.934	-.934	0	%100
9	M63	X	-.601	-.601	0	%100
10	M63	Z	-1.04	-1.04	0	%100
11	M65	X	-.477	-.477	0	%100
12	M65	Z	-.827	-.827	0	%100
13	M66	X	-1.431	-1.431	0	%100
14	M66	Z	-2.479	-2.479	0	%100
15	M67	X	-5.1e-5	-5.1e-5	0	%100
16	M67	Z	-8.9e-5	-8.9e-5	0	%100
17	M200	X	-1.333	-1.333	0	%100
18	M200	Z	-2.308	-2.308	0	%100
19	M186A	X	-1.076	-1.076	0	%100
20	M186A	Z	-1.864	-1.864	0	%100
21	MP4A	X	-1.435	-1.435	0	%100
22	MP4A	Z	-2.485	-2.485	0	%100
23	MP3A	X	-1.435	-1.435	0	%100
24	MP3A	Z	-2.485	-2.485	0	%100
25	MP2A	X	-1.435	-1.435	0	%100
26	MP2A	Z	-2.485	-2.485	0	%100
27	MP1A	X	-1.435	-1.435	0	%100
28	MP1A	Z	-2.485	-2.485	0	%100
29	M113	X	-1.693	-1.693	0	%100
30	M113	Z	-2.933	-2.933	0	%100
31	M41	X	-2.023	-2.023	0	%100
32	M41	Z	-3.503	-3.503	0	%100
33	M44	X	0	0	0	%100
34	M44	Z	0	0	0	%100
35	M45	X	0	0	0	%100
36	M45	Z	0	0	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	0	0	0	%100
39	M54A	X	0	0	0	%100
40	M54A	Z	0	0	0	%100
41	M56A	X	0	0	0	%100
42	M56A	Z	0	0	0	%100
43	M57A	X	-1.414	-1.414	0	%100
44	M57A	Z	-2.45	-2.45	0	%100
45	M58A	X	-1.414	-1.414	0	%100
46	M58A	Z	-2.45	-2.45	0	%100
47	M61A	X	-.135	-.135	0	%100
48	M61A	Z	-.234	-.234	0	%100
49	M65A	X	-.506	-.506	0	%100
50	M65A	Z	-.876	-.876	0	%100
51	M68	X	-1.457	-1.457	0	%100
52	M68	Z	-2.523	-2.523	0	%100
53	M69	X	-1.457	-1.457	0	%100
54	M69	Z	-2.523	-2.523	0	%100
55	M77	X	-.539	-.539	0	%100
56	M77	Z	-.934	-.934	0	%100
57	M78	X	-.601	-.601	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,%]
58	M78	Z	-1.04	-1.04	0	%100
59	M80	X	-.477	-.477	0	%100
60	M80	Z	-.827	-.827	0	%100
61	M81	X	-5.1e-5	-5.1e-5	0	%100
62	M81	Z	-8.9e-5	-8.9e-5	0	%100
63	M82	X	-1.431	-1.431	0	%100
64	M82	Z	-2.479	-2.479	0	%100
65	M85	X	-1.693	-1.693	0	%100
66	M85	Z	-2.932	-2.932	0	%100
67	M112A	X	0	0	0	%100
68	M112A	Z	0	0	0	%100
69	M117	X	0	0	0	%100
70	M117	Z	0	0	0	%100
71	MP4C	X	-1.435	-1.435	0	%100
72	MP4C	Z	-2.485	-2.485	0	%100
73	MP3C	X	-1.435	-1.435	0	%100
74	MP3C	Z	-2.485	-2.485	0	%100
75	MP2C	X	-1.435	-1.435	0	%100
76	MP2C	Z	-2.485	-2.485	0	%100
77	MP1C	X	-1.435	-1.435	0	%100
78	MP1C	Z	-2.485	-2.485	0	%100
79	M152	X	-1.333	-1.333	0	%100
80	M152	Z	-2.308	-2.308	0	%100
81	M157	X	-1.076	-1.076	0	%100
82	M157	Z	-1.864	-1.864	0	%100
83	MP4B	X	-1.435	-1.435	0	%100
84	MP4B	Z	-2.485	-2.485	0	%100
85	MP3B	X	-1.435	-1.435	0	%100
86	MP3B	Z	-2.485	-2.485	0	%100
87	MP2B	X	-1.435	-1.435	0	%100
88	MP2B	Z	-2.485	-2.485	0	%100
89	MP1B	X	-1.435	-1.435	0	%100
90	MP1B	Z	-2.485	-2.485	0	%100
91	M193	X	-1.435	-1.435	0	%100
92	M193	Z	-2.485	-2.485	0	%100
93	M224A	X	0	0	0	%100
94	M224A	Z	0	0	0	%100
95	M225A	X	-1.756	-1.756	0	%100
96	M225A	Z	-3.042	-3.042	0	%100
97	M226A	X	-1.756	-1.756	0	%100
98	M226A	Z	-3.042	-3.042	0	%100
99	M162	X	-1.311	-1.311	0	%100
100	M162	Z	-2.271	-2.271	0	%100
101	M125A	X	-1.792	-1.792	0	%100
102	M125A	Z	-3.104	-3.104	0	%100
103	M126	X	-.383	-.383	0	%100
104	M126	Z	-.663	-.663	0	%100
105	M127	X	-.814	-.814	0	%100
106	M127	Z	-1.41	-1.41	0	%100
107	M128	X	-.814	-.814	0	%100
108	M128	Z	-1.41	-1.41	0	%100
109	M129	X	-.383	-.383	0	%100
110	M129	Z	-.663	-.663	0	%100
111	M130	X	-1.792	-1.792	0	%100
112	M130	Z	-3.104	-3.104	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	M48	X	0	0	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	-1.013	-1.013	0	%100
5	M54	X	0	0	0	%100
6	M54	Z	-1.013	-1.013	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	-.115	-.115	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	-.128	-.128	0	%100
11	M65	X	0	0	0	%100
12	M65	Z	-.102	-.102	0	%100
13	M66	X	0	0	0	%100
14	M66	Z	-.231	-.231	0	%100
15	M67	X	0	0	0	%100
16	M67	Z	-.231	-.231	0	%100
17	M200	X	0	0	0	%100
18	M200	Z	-.766	-.766	0	%100
19	M186A	X	0	0	0	%100
20	M186A	Z	-.52	-.52	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	-.52	-.52	0	%100
23	MP3A	X	0	0	0	%100
24	MP3A	Z	-.52	-.52	0	%100
25	MP2A	X	0	0	0	%100
26	MP2A	Z	-.52	-.52	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	-.52	-.52	0	%100
29	M113	X	0	0	0	%100
30	M113	Z	-1.313	-1.313	0	%100
31	M41	X	0	0	0	%100
32	M41	Z	-.707	-.707	0	%100
33	M44	X	0	0	0	%100
34	M44	Z	-.253	-.253	0	%100
35	M45	X	0	0	0	%100
36	M45	Z	-.253	-.253	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	-.029	-.029	0	%100
39	M54A	X	0	0	0	%100
40	M54A	Z	-.032	-.032	0	%100
41	M56A	X	0	0	0	%100
42	M56A	Z	-.026	-.026	0	%100
43	M57A	X	0	0	0	%100
44	M57A	Z	-.91	-.91	0	%100
45	M58A	X	0	0	0	%100
46	M58A	Z	-.223	-.223	0	%100
47	M61A	X	0	0	0	%100
48	M61A	Z	-.474	-.474	0	%100
49	M65A	X	0	0	0	%100
50	M65A	Z	-.707	-.707	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	-.253	-.253	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-.253	-.253	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	-.029	-.029	0	%100
57	M78	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	-.032	-.032	0	%100
59	M80	X	0	0	0	%100
60	M80	Z	-.026	-.026	0	%100
61	M81	X	0	0	0	%100
62	M81	Z	-.223	-.223	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	-.91	-.91	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	-.328	-.328	0	%100
67	M112A	X	0	0	0	%100
68	M112A	Z	-.192	-.192	0	%100
69	M117	X	0	0	0	%100
70	M117	Z	-.13	-.13	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	-.52	-.52	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	-.52	-.52	0	%100
75	MP2C	X	0	0	0	%100
76	MP2C	Z	-.52	-.52	0	%100
77	MP1C	X	0	0	0	%100
78	MP1C	Z	-.52	-.52	0	%100
79	M152	X	0	0	0	%100
80	M152	Z	-.192	-.192	0	%100
81	M157	X	0	0	0	%100
82	M157	Z	-.13	-.13	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	-.52	-.52	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	-.52	-.52	0	%100
87	MP2B	X	0	0	0	%100
88	MP2B	Z	-.52	-.52	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	-.52	-.52	0	%100
91	M193	X	0	0	0	%100
92	M193	Z	-.52	-.52	0	%100
93	M224A	X	0	0	0	%100
94	M224A	Z	-.334	-.334	0	%100
95	M225A	X	0	0	0	%100
96	M225A	Z	-.334	-.334	0	%100
97	M226A	X	0	0	0	%100
98	M226A	Z	-1.338	-1.338	0	%100
99	M162	X	0	0	0	%100
100	M162	Z	-.474	-.474	0	%100
101	M125A	X	0	0	0	%100
102	M125A	Z	-.54	-.54	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	-.54	-.54	0	%100
105	M127	X	0	0	0	%100
106	M127	Z	-.737	-.737	0	%100
107	M128	X	0	0	0	%100
108	M128	Z	-.092	-.092	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	-.092	-.092	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	-.737	-.737	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	M48	X	.118	.118	0	%100
2	M48	Z	-.204	-.204	0	%100
3	M53	X	.38	.38	0	%100
4	M53	Z	-.658	-.658	0	%100
5	M54	X	.38	.38	0	%100
6	M54	Z	-.658	-.658	0	%100
7	M62	X	.043	.043	0	%100
8	M62	Z	-.075	-.075	0	%100
9	M63	X	.048	.048	0	%100
10	M63	Z	-.083	-.083	0	%100
11	M65	X	.038	.038	0	%100
12	M65	Z	-.067	-.067	0	%100
13	M66	X	1.2e-5	1.2e-5	0	%100
14	M66	Z	-2.1e-5	-2.1e-5	0	%100
15	M67	X	.343	.343	0	%100
16	M67	Z	-.594	-.594	0	%100
17	M200	X	.287	.287	0	%100
18	M200	Z	-.498	-.498	0	%100
19	M186A	X	.195	.195	0	%100
20	M186A	Z	-.338	-.338	0	%100
21	MP4A	X	.26	.26	0	%100
22	MP4A	Z	-.45	-.45	0	%100
23	MP3A	X	.26	.26	0	%100
24	MP3A	Z	-.45	-.45	0	%100
25	MP2A	X	.26	.26	0	%100
26	MP2A	Z	-.45	-.45	0	%100
27	MP1A	X	.26	.26	0	%100
28	MP1A	Z	-.45	-.45	0	%100
29	M113	X	.492	.492	0	%100
30	M113	Z	-.853	-.853	0	%100
31	M41	X	.118	.118	0	%100
32	M41	Z	-.204	-.204	0	%100
33	M44	X	.38	.38	0	%100
34	M44	Z	-.658	-.658	0	%100
35	M45	X	.38	.38	0	%100
36	M45	Z	-.658	-.658	0	%100
37	M53A	X	.043	.043	0	%100
38	M53A	Z	-.075	-.075	0	%100
39	M54A	X	.048	.048	0	%100
40	M54A	Z	-.083	-.083	0	%100
41	M56A	X	.038	.038	0	%100
42	M56A	Z	-.067	-.067	0	%100
43	M57A	X	.343	.343	0	%100
44	M57A	Z	-.594	-.594	0	%100
45	M58A	X	1.2e-5	1.2e-5	0	%100
46	M58A	Z	-2.1e-5	-2.1e-5	0	%100
47	M61A	X	.544	.544	0	%100
48	M61A	Z	-.941	-.941	0	%100
49	M65A	X	.472	.472	0	%100
50	M65A	Z	-.817	-.817	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M78	X	0	0	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,%]
58	M78	Z	0	0	0	%100
59	M80	X	0	0	0	%100
60	M80	Z	0	0	0	%100
61	M81	X	.339	.339	0	%100
62	M81	Z	-.587	-.587	0	%100
63	M82	X	.339	.339	0	%100
64	M82	Z	-.587	-.587	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	0	0	0	%100
67	M112A	X	.287	.287	0	%100
68	M112A	Z	-.498	-.498	0	%100
69	M117	X	.195	.195	0	%100
70	M117	Z	-.338	-.338	0	%100
71	MP4C	X	.26	.26	0	%100
72	MP4C	Z	-.45	-.45	0	%100
73	MP3C	X	.26	.26	0	%100
74	MP3C	Z	-.45	-.45	0	%100
75	MP2C	X	.26	.26	0	%100
76	MP2C	Z	-.45	-.45	0	%100
77	MP1C	X	.26	.26	0	%100
78	MP1C	Z	-.45	-.45	0	%100
79	M152	X	0	0	0	%100
80	M152	Z	0	0	0	%100
81	M157	X	0	0	0	%100
82	M157	Z	0	0	0	%100
83	MP4B	X	.26	.26	0	%100
84	MP4B	Z	-.45	-.45	0	%100
85	MP3B	X	.26	.26	0	%100
86	MP3B	Z	-.45	-.45	0	%100
87	MP2B	X	.26	.26	0	%100
88	MP2B	Z	-.45	-.45	0	%100
89	MP1B	X	.26	.26	0	%100
90	MP1B	Z	-.45	-.45	0	%100
91	M193	X	.26	.26	0	%100
92	M193	Z	-.45	-.45	0	%100
93	M224A	X	.502	.502	0	%100
94	M224A	Z	-.869	-.869	0	%100
95	M225A	X	0	0	0	%100
96	M225A	Z	0	0	0	%100
97	M226A	X	.502	.502	0	%100
98	M226A	Z	-.869	-.869	0	%100
99	M162	X	.237	.237	0	%100
100	M162	Z	-.41	-.41	0	%100
101	M125A	X	.088	.088	0	%100
102	M125A	Z	-.152	-.152	0	%100
103	M126	X	.41	.41	0	%100
104	M126	Z	-.711	-.711	0	%100
105	M127	X	.41	.41	0	%100
106	M127	Z	-.711	-.711	0	%100
107	M128	X	.088	.088	0	%100
108	M128	Z	-.152	-.152	0	%100
109	M129	X	.186	.186	0	%100
110	M129	Z	-.323	-.323	0	%100
111	M130	X	.186	.186	0	%100
112	M130	Z	-.323	-.323	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	M48	X	.613	.613	0	%100
2	M48	Z	-.354	-.354	0	%100
3	M53	X	.219	.219	0	%100
4	M53	Z	-.127	-.127	0	%100
5	M54	X	.219	.219	0	%100
6	M54	Z	-.127	-.127	0	%100
7	M62	X	.025	.025	0	%100
8	M62	Z	-.014	-.014	0	%100
9	M63	X	.028	.028	0	%100
10	M63	Z	-.016	-.016	0	%100
11	M65	X	.022	.022	0	%100
12	M65	Z	-.013	-.013	0	%100
13	M66	X	.193	.193	0	%100
14	M66	Z	-.112	-.112	0	%100
15	M67	X	.788	.788	0	%100
16	M67	Z	-.455	-.455	0	%100
17	M200	X	.166	.166	0	%100
18	M200	Z	-.096	-.096	0	%100
19	M186A	X	.113	.113	0	%100
20	M186A	Z	-.065	-.065	0	%100
21	MP4A	X	.45	.45	0	%100
22	MP4A	Z	-.26	-.26	0	%100
23	MP3A	X	.45	.45	0	%100
24	MP3A	Z	-.26	-.26	0	%100
25	MP2A	X	.45	.45	0	%100
26	MP2A	Z	-.26	-.26	0	%100
27	MP1A	X	.45	.45	0	%100
28	MP1A	Z	-.26	-.26	0	%100
29	M113	X	.284	.284	0	%100
30	M113	Z	-.164	-.164	0	%100
31	M41	X	0	0	0	%100
32	M41	Z	0	0	0	%100
33	M44	X	.878	.878	0	%100
34	M44	Z	-.507	-.507	0	%100
35	M45	X	.878	.878	0	%100
36	M45	Z	-.507	-.507	0	%100
37	M53A	X	.1	.1	0	%100
38	M53A	Z	-.058	-.058	0	%100
39	M54A	X	.111	.111	0	%100
40	M54A	Z	-.064	-.064	0	%100
41	M56A	X	.089	.089	0	%100
42	M56A	Z	-.051	-.051	0	%100
43	M57A	X	.2	.2	0	%100
44	M57A	Z	-.116	-.116	0	%100
45	M58A	X	.2	.2	0	%100
46	M58A	Z	-.116	-.116	0	%100
47	M61A	X	1.13	1.13	0	%100
48	M61A	Z	-.652	-.652	0	%100
49	M65A	X	.613	.613	0	%100
50	M65A	Z	-.354	-.354	0	%100
51	M68	X	.219	.219	0	%100
52	M68	Z	-.127	-.127	0	%100
53	M69	X	.219	.219	0	%100
54	M69	Z	-.127	-.127	0	%100
55	M77	X	.025	.025	0	%100
56	M77	Z	-.014	-.014	0	%100
57	M78	X	.028	.028	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,%]
58	M78	Z	-.016	-.016	0	%100
59	M80	X	.022	.022	0	%100
60	M80	Z	-.013	-.013	0	%100
61	M81	X	.788	.788	0	%100
62	M81	Z	-.455	-.455	0	%100
63	M82	X	.193	.193	0	%100
64	M82	Z	-.112	-.112	0	%100
65	M85	X	.284	.284	0	%100
66	M85	Z	-.164	-.164	0	%100
67	M112A	X	.663	.663	0	%100
68	M112A	Z	-.383	-.383	0	%100
69	M117	X	.45	.45	0	%100
70	M117	Z	-.26	-.26	0	%100
71	MP4C	X	.45	.45	0	%100
72	MP4C	Z	-.26	-.26	0	%100
73	MP3C	X	.45	.45	0	%100
74	MP3C	Z	-.26	-.26	0	%100
75	MP2C	X	.45	.45	0	%100
76	MP2C	Z	-.26	-.26	0	%100
77	MP1C	X	.45	.45	0	%100
78	MP1C	Z	-.26	-.26	0	%100
79	M152	X	.166	.166	0	%100
80	M152	Z	-.096	-.096	0	%100
81	M157	X	.113	.113	0	%100
82	M157	Z	-.065	-.065	0	%100
83	MP4B	X	.45	.45	0	%100
84	MP4B	Z	-.26	-.26	0	%100
85	MP3B	X	.45	.45	0	%100
86	MP3B	Z	-.26	-.26	0	%100
87	MP2B	X	.45	.45	0	%100
88	MP2B	Z	-.26	-.26	0	%100
89	MP1B	X	.45	.45	0	%100
90	MP1B	Z	-.26	-.26	0	%100
91	M193	X	.45	.45	0	%100
92	M193	Z	-.26	-.26	0	%100
93	M224A	X	1.158	1.158	0	%100
94	M224A	Z	-.669	-.669	0	%100
95	M225A	X	.29	.29	0	%100
96	M225A	Z	-.167	-.167	0	%100
97	M226A	X	.29	.29	0	%100
98	M226A	Z	-.167	-.167	0	%100
99	M162	X	.41	.41	0	%100
100	M162	Z	-.237	-.237	0	%100
101	M125A	X	.08	.08	0	%100
102	M125A	Z	-.046	-.046	0	%100
103	M126	X	.638	.638	0	%100
104	M126	Z	-.369	-.369	0	%100
105	M127	X	.467	.467	0	%100
106	M127	Z	-.27	-.27	0	%100
107	M128	X	.467	.467	0	%100
108	M128	Z	-.27	-.27	0	%100
109	M129	X	.638	.638	0	%100
110	M129	Z	-.369	-.369	0	%100
111	M130	X	.08	.08	0	%100
112	M130	Z	-.046	-.046	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	M48	X	.943	.943	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	0	0	0	%100
5	M54	X	0	0	0	%100
6	M54	Z	0	0	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	0	0	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	0	0	0	%100
11	M65	X	0	0	0	%100
12	M65	Z	0	0	0	%100
13	M66	X	.678	.678	0	%100
14	M66	Z	0	0	0	%100
15	M67	X	.678	.678	0	%100
16	M67	Z	0	0	0	%100
17	M200	X	0	0	0	%100
18	M200	Z	0	0	0	%100
19	M186A	X	0	0	0	%100
20	M186A	Z	0	0	0	%100
21	MP4A	X	.52	.52	0	%100
22	MP4A	Z	0	0	0	%100
23	MP3A	X	.52	.52	0	%100
24	MP3A	Z	0	0	0	%100
25	MP2A	X	.52	.52	0	%100
26	MP2A	Z	0	0	0	%100
27	MP1A	X	.52	.52	0	%100
28	MP1A	Z	0	0	0	%100
29	M113	X	0	0	0	%100
30	M113	Z	0	0	0	%100
31	M41	X	.236	.236	0	%100
32	M41	Z	0	0	0	%100
33	M44	X	.76	.76	0	%100
34	M44	Z	0	0	0	%100
35	M45	X	.76	.76	0	%100
36	M45	Z	0	0	0	%100
37	M53A	X	.087	.087	0	%100
38	M53A	Z	0	0	0	%100
39	M54A	X	.096	.096	0	%100
40	M54A	Z	0	0	0	%100
41	M56A	X	.077	.077	0	%100
42	M56A	Z	0	0	0	%100
43	M57A	X	2.5e-5	2.5e-5	0	%100
44	M57A	Z	0	0	0	%100
45	M58A	X	.686	.686	0	%100
46	M58A	Z	0	0	0	%100
47	M61A	X	.909	.909	0	%100
48	M61A	Z	0	0	0	%100
49	M65A	X	.236	.236	0	%100
50	M65A	Z	0	0	0	%100
51	M68	X	.76	.76	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	.76	.76	0	%100
54	M69	Z	0	0	0	%100
55	M77	X	.087	.087	0	%100
56	M77	Z	0	0	0	%100
57	M78	X	.096	.096	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	0	0	0	%100
59	M80	X	.077	.077	0	%100
60	M80	Z	0	0	0	%100
61	M81	X	.686	.686	0	%100
62	M81	Z	0	0	0	%100
63	M82	X	2.5e-5	2.5e-5	0	%100
64	M82	Z	0	0	0	%100
65	M85	X	.985	.985	0	%100
66	M85	Z	0	0	0	%100
67	M112A	X	.575	.575	0	%100
68	M112A	Z	0	0	0	%100
69	M117	X	.39	.39	0	%100
70	M117	Z	0	0	0	%100
71	MP4C	X	.52	.52	0	%100
72	MP4C	Z	0	0	0	%100
73	MP3C	X	.52	.52	0	%100
74	MP3C	Z	0	0	0	%100
75	MP2C	X	.52	.52	0	%100
76	MP2C	Z	0	0	0	%100
77	MP1C	X	.52	.52	0	%100
78	MP1C	Z	0	0	0	%100
79	M152	X	.575	.575	0	%100
80	M152	Z	0	0	0	%100
81	M157	X	.39	.39	0	%100
82	M157	Z	0	0	0	%100
83	MP4B	X	.52	.52	0	%100
84	MP4B	Z	0	0	0	%100
85	MP3B	X	.52	.52	0	%100
86	MP3B	Z	0	0	0	%100
87	MP2B	X	.52	.52	0	%100
88	MP2B	Z	0	0	0	%100
89	MP1B	X	.52	.52	0	%100
90	MP1B	Z	0	0	0	%100
91	M193	X	.52	.52	0	%100
92	M193	Z	0	0	0	%100
93	M224A	X	1.003	1.003	0	%100
94	M224A	Z	0	0	0	%100
95	M225A	X	1.003	1.003	0	%100
96	M225A	Z	0	0	0	%100
97	M226A	X	0	0	0	%100
98	M226A	Z	0	0	0	%100
99	M162	X	.474	.474	0	%100
100	M162	Z	0	0	0	%100
101	M125A	X	.373	.373	0	%100
102	M125A	Z	0	0	0	%100
103	M126	X	.373	.373	0	%100
104	M126	Z	0	0	0	%100
105	M127	X	.175	.175	0	%100
106	M127	Z	0	0	0	%100
107	M128	X	.821	.821	0	%100
108	M128	Z	0	0	0	%100
109	M129	X	.821	.821	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	.175	.175	0	%100
112	M130	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	M48	X	.613	.613	0	%100
2	M48	Z	.354	.354	0	%100
3	M53	X	.219	.219	0	%100
4	M53	Z	.127	.127	0	%100
5	M54	X	.219	.219	0	%100
6	M54	Z	.127	.127	0	%100
7	M62	X	.025	.025	0	%100
8	M62	Z	.014	.014	0	%100
9	M63	X	.028	.028	0	%100
10	M63	Z	.016	.016	0	%100
11	M65	X	.022	.022	0	%100
12	M65	Z	.013	.013	0	%100
13	M66	X	.788	.788	0	%100
14	M66	Z	.455	.455	0	%100
15	M67	X	.193	.193	0	%100
16	M67	Z	.112	.112	0	%100
17	M200	X	.166	.166	0	%100
18	M200	Z	.096	.096	0	%100
19	M186A	X	.113	.113	0	%100
20	M186A	Z	.065	.065	0	%100
21	MP4A	X	.45	.45	0	%100
22	MP4A	Z	.26	.26	0	%100
23	MP3A	X	.45	.45	0	%100
24	MP3A	Z	.26	.26	0	%100
25	MP2A	X	.45	.45	0	%100
26	MP2A	Z	.26	.26	0	%100
27	MP1A	X	.45	.45	0	%100
28	MP1A	Z	.26	.26	0	%100
29	M113	X	.284	.284	0	%100
30	M113	Z	.164	.164	0	%100
31	M41	X	.613	.613	0	%100
32	M41	Z	.354	.354	0	%100
33	M44	X	.219	.219	0	%100
34	M44	Z	.127	.127	0	%100
35	M45	X	.219	.219	0	%100
36	M45	Z	.127	.127	0	%100
37	M53A	X	.025	.025	0	%100
38	M53A	Z	.014	.014	0	%100
39	M54A	X	.028	.028	0	%100
40	M54A	Z	.016	.016	0	%100
41	M56A	X	.022	.022	0	%100
42	M56A	Z	.013	.013	0	%100
43	M57A	X	.193	.193	0	%100
44	M57A	Z	.112	.112	0	%100
45	M58A	X	.788	.788	0	%100
46	M58A	Z	.455	.455	0	%100
47	M61A	X	.256	.256	0	%100
48	M61A	Z	.148	.148	0	%100
49	M65A	X	0	0	0	%100
50	M65A	Z	0	0	0	%100
51	M68	X	.878	.878	0	%100
52	M68	Z	.507	.507	0	%100
53	M69	X	.878	.878	0	%100
54	M69	Z	.507	.507	0	%100
55	M77	X	.1	.1	0	%100
56	M77	Z	.058	.058	0	%100
57	M78	X	.111	.111	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,%]
58	M78	Z	.064	.064	0	%100
59	M80	X	.089	.089	0	%100
60	M80	Z	.051	.051	0	%100
61	M81	X	.2	.2	0	%100
62	M81	Z	.116	.116	0	%100
63	M82	X	.2	.2	0	%100
64	M82	Z	.116	.116	0	%100
65	M85	X	1.137	1.137	0	%100
66	M85	Z	.657	.657	0	%100
67	M112A	X	.166	.166	0	%100
68	M112A	Z	.096	.096	0	%100
69	M117	X	.113	.113	0	%100
70	M117	Z	.065	.065	0	%100
71	MP4C	X	.45	.45	0	%100
72	MP4C	Z	.26	.26	0	%100
73	MP3C	X	.45	.45	0	%100
74	MP3C	Z	.26	.26	0	%100
75	MP2C	X	.45	.45	0	%100
76	MP2C	Z	.26	.26	0	%100
77	MP1C	X	.45	.45	0	%100
78	MP1C	Z	.26	.26	0	%100
79	M152	X	.663	.663	0	%100
80	M152	Z	.383	.383	0	%100
81	M157	X	.45	.45	0	%100
82	M157	Z	.26	.26	0	%100
83	MP4B	X	.45	.45	0	%100
84	MP4B	Z	.26	.26	0	%100
85	MP3B	X	.45	.45	0	%100
86	MP3B	Z	.26	.26	0	%100
87	MP2B	X	.45	.45	0	%100
88	MP2B	Z	.26	.26	0	%100
89	MP1B	X	.45	.45	0	%100
90	MP1B	Z	.26	.26	0	%100
91	M193	X	.45	.45	0	%100
92	M193	Z	.26	.26	0	%100
93	M224A	X	.29	.29	0	%100
94	M224A	Z	.167	.167	0	%100
95	M225A	X	1.158	1.158	0	%100
96	M225A	Z	.669	.669	0	%100
97	M226A	X	.29	.29	0	%100
98	M226A	Z	.167	.167	0	%100
99	M162	X	.41	.41	0	%100
100	M162	Z	.237	.237	0	%100
101	M125A	X	.638	.638	0	%100
102	M125A	Z	.369	.369	0	%100
103	M126	X	.08	.08	0	%100
104	M126	Z	.046	.046	0	%100
105	M127	X	.08	.08	0	%100
106	M127	Z	.046	.046	0	%100
107	M128	X	.638	.638	0	%100
108	M128	Z	.369	.369	0	%100
109	M129	X	.467	.467	0	%100
110	M129	Z	.27	.27	0	%100
111	M130	X	.467	.467	0	%100
112	M130	Z	.27	.27	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	M48	X	.118	.118	0	%100
2	M48	Z	.204	.204	0	%100
3	M53	X	.38	.38	0	%100
4	M53	Z	.658	.658	0	%100
5	M54	X	.38	.38	0	%100
6	M54	Z	.658	.658	0	%100
7	M62	X	.043	.043	0	%100
8	M62	Z	.075	.075	0	%100
9	M63	X	.048	.048	0	%100
10	M63	Z	.083	.083	0	%100
11	M65	X	.038	.038	0	%100
12	M65	Z	.067	.067	0	%100
13	M66	X	.343	.343	0	%100
14	M66	Z	.594	.594	0	%100
15	M67	X	1.2e-5	1.2e-5	0	%100
16	M67	Z	2.1e-5	2.1e-5	0	%100
17	M200	X	.287	.287	0	%100
18	M200	Z	.498	.498	0	%100
19	M186A	X	.195	.195	0	%100
20	M186A	Z	.338	.338	0	%100
21	MP4A	X	.26	.26	0	%100
22	MP4A	Z	.45	.45	0	%100
23	MP3A	X	.26	.26	0	%100
24	MP3A	Z	.45	.45	0	%100
25	MP2A	X	.26	.26	0	%100
26	MP2A	Z	.45	.45	0	%100
27	MP1A	X	.26	.26	0	%100
28	MP1A	Z	.45	.45	0	%100
29	M113	X	.492	.492	0	%100
30	M113	Z	.853	.853	0	%100
31	M41	X	.472	.472	0	%100
32	M41	Z	.817	.817	0	%100
33	M44	X	0	0	0	%100
34	M44	Z	0	0	0	%100
35	M45	X	0	0	0	%100
36	M45	Z	0	0	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	0	0	0	%100
39	M54A	X	0	0	0	%100
40	M54A	Z	0	0	0	%100
41	M56A	X	0	0	0	%100
42	M56A	Z	0	0	0	%100
43	M57A	X	.339	.339	0	%100
44	M57A	Z	.587	.587	0	%100
45	M58A	X	.339	.339	0	%100
46	M58A	Z	.587	.587	0	%100
47	M61A	X	.039	.039	0	%100
48	M61A	Z	.068	.068	0	%100
49	M65A	X	.118	.118	0	%100
50	M65A	Z	.204	.204	0	%100
51	M68	X	.38	.38	0	%100
52	M68	Z	.658	.658	0	%100
53	M69	X	.38	.38	0	%100
54	M69	Z	.658	.658	0	%100
55	M77	X	.043	.043	0	%100
56	M77	Z	.075	.075	0	%100
57	M78	X	.048	.048	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,%]
58	M78	Z	.083	.083	0	%100
59	M80	X	.038	.038	0	%100
60	M80	Z	.067	.067	0	%100
61	M81	X	1.2e-5	1.2e-5	0	%100
62	M81	Z	2.1e-5	2.1e-5	0	%100
63	M82	X	.343	.343	0	%100
64	M82	Z	.594	.594	0	%100
65	M85	X	.492	.492	0	%100
66	M85	Z	.853	.853	0	%100
67	M112A	X	0	0	0	%100
68	M112A	Z	0	0	0	%100
69	M117	X	0	0	0	%100
70	M117	Z	0	0	0	%100
71	MP4C	X	.26	.26	0	%100
72	MP4C	Z	.45	.45	0	%100
73	MP3C	X	.26	.26	0	%100
74	MP3C	Z	.45	.45	0	%100
75	MP2C	X	.26	.26	0	%100
76	MP2C	Z	.45	.45	0	%100
77	MP1C	X	.26	.26	0	%100
78	MP1C	Z	.45	.45	0	%100
79	M152	X	.287	.287	0	%100
80	M152	Z	.498	.498	0	%100
81	M157	X	.195	.195	0	%100
82	M157	Z	.338	.338	0	%100
83	MP4B	X	.26	.26	0	%100
84	MP4B	Z	.45	.45	0	%100
85	MP3B	X	.26	.26	0	%100
86	MP3B	Z	.45	.45	0	%100
87	MP2B	X	.26	.26	0	%100
88	MP2B	Z	.45	.45	0	%100
89	MP1B	X	.26	.26	0	%100
90	MP1B	Z	.45	.45	0	%100
91	M193	X	.26	.26	0	%100
92	M193	Z	.45	.45	0	%100
93	M224A	X	0	0	0	%100
94	M224A	Z	0	0	0	%100
95	M225A	X	.502	.502	0	%100
96	M225A	Z	.869	.869	0	%100
97	M226A	X	.502	.502	0	%100
98	M226A	Z	.869	.869	0	%100
99	M162	X	.237	.237	0	%100
100	M162	Z	.41	.41	0	%100
101	M125A	X	.41	.41	0	%100
102	M125A	Z	.711	.711	0	%100
103	M126	X	.088	.088	0	%100
104	M126	Z	.152	.152	0	%100
105	M127	X	.186	.186	0	%100
106	M127	Z	.323	.323	0	%100
107	M128	X	.186	.186	0	%100
108	M128	Z	.323	.323	0	%100
109	M129	X	.088	.088	0	%100
110	M129	Z	.152	.152	0	%100
111	M130	X	.41	.41	0	%100
112	M130	Z	.711	.711	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	M48	X	0	0	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	1.013	1.013	0	%100
5	M54	X	0	0	0	%100
6	M54	Z	1.013	1.013	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	.115	.115	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	.128	.128	0	%100
11	M65	X	0	0	0	%100
12	M65	Z	.102	.102	0	%100
13	M66	X	0	0	0	%100
14	M66	Z	.231	.231	0	%100
15	M67	X	0	0	0	%100
16	M67	Z	.231	.231	0	%100
17	M200	X	0	0	0	%100
18	M200	Z	.766	.766	0	%100
19	M186A	X	0	0	0	%100
20	M186A	Z	.52	.52	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	.52	.52	0	%100
23	MP3A	X	0	0	0	%100
24	MP3A	Z	.52	.52	0	%100
25	MP2A	X	0	0	0	%100
26	MP2A	Z	.52	.52	0	%100
27	MP1A	X	0	0	0	%100
28	MP1A	Z	.52	.52	0	%100
29	M113	X	0	0	0	%100
30	M113	Z	1.313	1.313	0	%100
31	M41	X	0	0	0	%100
32	M41	Z	.707	.707	0	%100
33	M44	X	0	0	0	%100
34	M44	Z	.253	.253	0	%100
35	M45	X	0	0	0	%100
36	M45	Z	.253	.253	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	.029	.029	0	%100
39	M54A	X	0	0	0	%100
40	M54A	Z	.032	.032	0	%100
41	M56A	X	0	0	0	%100
42	M56A	Z	.026	.026	0	%100
43	M57A	X	0	0	0	%100
44	M57A	Z	.91	.91	0	%100
45	M58A	X	0	0	0	%100
46	M58A	Z	.223	.223	0	%100
47	M61A	X	0	0	0	%100
48	M61A	Z	.474	.474	0	%100
49	M65A	X	0	0	0	%100
50	M65A	Z	.707	.707	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	.253	.253	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	.253	.253	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	.029	.029	0	%100
57	M78	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	.032	.032	0	%100
59	M80	X	0	0	0	%100
60	M80	Z	.026	.026	0	%100
61	M81	X	0	0	0	%100
62	M81	Z	.223	.223	0	%100
63	M82	X	0	0	0	%100
64	M82	Z	.91	.91	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	.328	.328	0	%100
67	M112A	X	0	0	0	%100
68	M112A	Z	.192	.192	0	%100
69	M117	X	0	0	0	%100
70	M117	Z	.13	.13	0	%100
71	MP4C	X	0	0	0	%100
72	MP4C	Z	.52	.52	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	.52	.52	0	%100
75	MP2C	X	0	0	0	%100
76	MP2C	Z	.52	.52	0	%100
77	MP1C	X	0	0	0	%100
78	MP1C	Z	.52	.52	0	%100
79	M152	X	0	0	0	%100
80	M152	Z	.192	.192	0	%100
81	M157	X	0	0	0	%100
82	M157	Z	.13	.13	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	.52	.52	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	.52	.52	0	%100
87	MP2B	X	0	0	0	%100
88	MP2B	Z	.52	.52	0	%100
89	MP1B	X	0	0	0	%100
90	MP1B	Z	.52	.52	0	%100
91	M193	X	0	0	0	%100
92	M193	Z	.52	.52	0	%100
93	M224A	X	0	0	0	%100
94	M224A	Z	.334	.334	0	%100
95	M225A	X	0	0	0	%100
96	M225A	Z	.334	.334	0	%100
97	M226A	X	0	0	0	%100
98	M226A	Z	1.338	1.338	0	%100
99	M162	X	0	0	0	%100
100	M162	Z	.474	.474	0	%100
101	M125A	X	0	0	0	%100
102	M125A	Z	.54	.54	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	.54	.54	0	%100
105	M127	X	0	0	0	%100
106	M127	Z	.737	.737	0	%100
107	M128	X	0	0	0	%100
108	M128	Z	.092	.092	0	%100
109	M129	X	0	0	0	%100
110	M129	Z	.092	.092	0	%100
111	M130	X	0	0	0	%100
112	M130	Z	.737	.737	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	M48	X	-.118	-.118	0	%100
2	M48	Z	.204	.204	0	%100
3	M53	X	-.38	-.38	0	%100
4	M53	Z	.658	.658	0	%100
5	M54	X	-.38	-.38	0	%100
6	M54	Z	.658	.658	0	%100
7	M62	X	-.043	-.043	0	%100
8	M62	Z	.075	.075	0	%100
9	M63	X	-.048	-.048	0	%100
10	M63	Z	.083	.083	0	%100
11	M65	X	-.038	-.038	0	%100
12	M65	Z	.067	.067	0	%100
13	M66	X	-1.2e-5	-1.2e-5	0	%100
14	M66	Z	2.1e-5	2.1e-5	0	%100
15	M67	X	-.343	-.343	0	%100
16	M67	Z	.594	.594	0	%100
17	M200	X	-.287	-.287	0	%100
18	M200	Z	.498	.498	0	%100
19	M186A	X	-.195	-.195	0	%100
20	M186A	Z	.338	.338	0	%100
21	MP4A	X	-.26	-.26	0	%100
22	MP4A	Z	.45	.45	0	%100
23	MP3A	X	-.26	-.26	0	%100
24	MP3A	Z	.45	.45	0	%100
25	MP2A	X	-.26	-.26	0	%100
26	MP2A	Z	.45	.45	0	%100
27	MP1A	X	-.26	-.26	0	%100
28	MP1A	Z	.45	.45	0	%100
29	M113	X	-.492	-.492	0	%100
30	M113	Z	.853	.853	0	%100
31	M41	X	-.118	-.118	0	%100
32	M41	Z	.204	.204	0	%100
33	M44	X	-.38	-.38	0	%100
34	M44	Z	.658	.658	0	%100
35	M45	X	-.38	-.38	0	%100
36	M45	Z	.658	.658	0	%100
37	M53A	X	-.043	-.043	0	%100
38	M53A	Z	.075	.075	0	%100
39	M54A	X	-.048	-.048	0	%100
40	M54A	Z	.083	.083	0	%100
41	M56A	X	-.038	-.038	0	%100
42	M56A	Z	.067	.067	0	%100
43	M57A	X	-.343	-.343	0	%100
44	M57A	Z	.594	.594	0	%100
45	M58A	X	-1.2e-5	-1.2e-5	0	%100
46	M58A	Z	2.1e-5	2.1e-5	0	%100
47	M61A	X	-.544	-.544	0	%100
48	M61A	Z	.941	.941	0	%100
49	M65A	X	-.472	-.472	0	%100
50	M65A	Z	.817	.817	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M78	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	0	0	0	%100
59	M80	X	0	0	0	%100
60	M80	Z	0	0	0	%100
61	M81	X	-.339	-.339	0	%100
62	M81	Z	.587	.587	0	%100
63	M82	X	-.339	-.339	0	%100
64	M82	Z	.587	.587	0	%100
65	M85	X	0	0	0	%100
66	M85	Z	0	0	0	%100
67	M112A	X	-.287	-.287	0	%100
68	M112A	Z	.498	.498	0	%100
69	M117	X	-.195	-.195	0	%100
70	M117	Z	.338	.338	0	%100
71	MP4C	X	-.26	-.26	0	%100
72	MP4C	Z	.45	.45	0	%100
73	MP3C	X	-.26	-.26	0	%100
74	MP3C	Z	.45	.45	0	%100
75	MP2C	X	-.26	-.26	0	%100
76	MP2C	Z	.45	.45	0	%100
77	MP1C	X	-.26	-.26	0	%100
78	MP1C	Z	.45	.45	0	%100
79	M152	X	0	0	0	%100
80	M152	Z	0	0	0	%100
81	M157	X	0	0	0	%100
82	M157	Z	0	0	0	%100
83	MP4B	X	-.26	-.26	0	%100
84	MP4B	Z	.45	.45	0	%100
85	MP3B	X	-.26	-.26	0	%100
86	MP3B	Z	.45	.45	0	%100
87	MP2B	X	-.26	-.26	0	%100
88	MP2B	Z	.45	.45	0	%100
89	MP1B	X	-.26	-.26	0	%100
90	MP1B	Z	.45	.45	0	%100
91	M193	X	-.26	-.26	0	%100
92	M193	Z	.45	.45	0	%100
93	M224A	X	-.502	-.502	0	%100
94	M224A	Z	.869	.869	0	%100
95	M225A	X	0	0	0	%100
96	M225A	Z	0	0	0	%100
97	M226A	X	-.502	-.502	0	%100
98	M226A	Z	.869	.869	0	%100
99	M162	X	-.237	-.237	0	%100
100	M162	Z	.41	.41	0	%100
101	M125A	X	-.088	-.088	0	%100
102	M125A	Z	.152	.152	0	%100
103	M126	X	-.41	-.41	0	%100
104	M126	Z	.711	.711	0	%100
105	M127	X	-.41	-.41	0	%100
106	M127	Z	.711	.711	0	%100
107	M128	X	-.088	-.088	0	%100
108	M128	Z	.152	.152	0	%100
109	M129	X	-.186	-.186	0	%100
110	M129	Z	.323	.323	0	%100
111	M130	X	-.186	-.186	0	%100
112	M130	Z	.323	.323	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	M48	X	-.613	-.613	0	%100
2	M48	Z	.354	.354	0	%100
3	M53	X	-.219	-.219	0	%100
4	M53	Z	.127	.127	0	%100
5	M54	X	-.219	-.219	0	%100
6	M54	Z	.127	.127	0	%100
7	M62	X	-.025	-.025	0	%100
8	M62	Z	.014	.014	0	%100
9	M63	X	-.028	-.028	0	%100
10	M63	Z	.016	.016	0	%100
11	M65	X	-.022	-.022	0	%100
12	M65	Z	.013	.013	0	%100
13	M66	X	-.193	-.193	0	%100
14	M66	Z	.112	.112	0	%100
15	M67	X	-.788	-.788	0	%100
16	M67	Z	.455	.455	0	%100
17	M200	X	-.166	-.166	0	%100
18	M200	Z	.096	.096	0	%100
19	M186A	X	-.113	-.113	0	%100
20	M186A	Z	.065	.065	0	%100
21	MP4A	X	-.45	-.45	0	%100
22	MP4A	Z	.26	.26	0	%100
23	MP3A	X	-.45	-.45	0	%100
24	MP3A	Z	.26	.26	0	%100
25	MP2A	X	-.45	-.45	0	%100
26	MP2A	Z	.26	.26	0	%100
27	MP1A	X	-.45	-.45	0	%100
28	MP1A	Z	.26	.26	0	%100
29	M113	X	-.284	-.284	0	%100
30	M113	Z	.164	.164	0	%100
31	M41	X	0	0	0	%100
32	M41	Z	0	0	0	%100
33	M44	X	-.878	-.878	0	%100
34	M44	Z	.507	.507	0	%100
35	M45	X	-.878	-.878	0	%100
36	M45	Z	.507	.507	0	%100
37	M53A	X	-.1	-.1	0	%100
38	M53A	Z	.058	.058	0	%100
39	M54A	X	-.111	-.111	0	%100
40	M54A	Z	.064	.064	0	%100
41	M56A	X	-.089	-.089	0	%100
42	M56A	Z	.051	.051	0	%100
43	M57A	X	-.2	-.2	0	%100
44	M57A	Z	.116	.116	0	%100
45	M58A	X	-.2	-.2	0	%100
46	M58A	Z	.116	.116	0	%100
47	M61A	X	-1.13	-1.13	0	%100
48	M61A	Z	.652	.652	0	%100
49	M65A	X	-.613	-.613	0	%100
50	M65A	Z	.354	.354	0	%100
51	M68	X	-.219	-.219	0	%100
52	M68	Z	.127	.127	0	%100
53	M69	X	-.219	-.219	0	%100
54	M69	Z	.127	.127	0	%100
55	M77	X	-.025	-.025	0	%100
56	M77	Z	.014	.014	0	%100
57	M78	X	-.028	-.028	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	.016	.016	0	%100
59	M80	X	-.022	-.022	0	%100
60	M80	Z	.013	.013	0	%100
61	M81	X	-.788	-.788	0	%100
62	M81	Z	.455	.455	0	%100
63	M82	X	-.193	-.193	0	%100
64	M82	Z	.112	.112	0	%100
65	M85	X	-.284	-.284	0	%100
66	M85	Z	.164	.164	0	%100
67	M112A	X	-.663	-.663	0	%100
68	M112A	Z	.383	.383	0	%100
69	M117	X	-.45	-.45	0	%100
70	M117	Z	.26	.26	0	%100
71	MP4C	X	-.45	-.45	0	%100
72	MP4C	Z	.26	.26	0	%100
73	MP3C	X	-.45	-.45	0	%100
74	MP3C	Z	.26	.26	0	%100
75	MP2C	X	-.45	-.45	0	%100
76	MP2C	Z	.26	.26	0	%100
77	MP1C	X	-.45	-.45	0	%100
78	MP1C	Z	.26	.26	0	%100
79	M152	X	-.166	-.166	0	%100
80	M152	Z	.096	.096	0	%100
81	M157	X	-.113	-.113	0	%100
82	M157	Z	.065	.065	0	%100
83	MP4B	X	-.45	-.45	0	%100
84	MP4B	Z	.26	.26	0	%100
85	MP3B	X	-.45	-.45	0	%100
86	MP3B	Z	.26	.26	0	%100
87	MP2B	X	-.45	-.45	0	%100
88	MP2B	Z	.26	.26	0	%100
89	MP1B	X	-.45	-.45	0	%100
90	MP1B	Z	.26	.26	0	%100
91	M193	X	-.45	-.45	0	%100
92	M193	Z	.26	.26	0	%100
93	M224A	X	-1.158	-1.158	0	%100
94	M224A	Z	.669	.669	0	%100
95	M225A	X	-.29	-.29	0	%100
96	M225A	Z	.167	.167	0	%100
97	M226A	X	-.29	-.29	0	%100
98	M226A	Z	.167	.167	0	%100
99	M162	X	-.41	-.41	0	%100
100	M162	Z	.237	.237	0	%100
101	M125A	X	-.08	-.08	0	%100
102	M125A	Z	.046	.046	0	%100
103	M126	X	-.638	-.638	0	%100
104	M126	Z	.369	.369	0	%100
105	M127	X	-.467	-.467	0	%100
106	M127	Z	.27	.27	0	%100
107	M128	X	-.467	-.467	0	%100
108	M128	Z	.27	.27	0	%100
109	M129	X	-.638	-.638	0	%100
110	M129	Z	.369	.369	0	%100
111	M130	X	-.08	-.08	0	%100
112	M130	Z	.046	.046	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	M48	X	-.943	-.943	0	%100
2	M48	Z	0	0	0	%100
3	M53	X	0	0	0	%100
4	M53	Z	0	0	0	%100
5	M54	X	0	0	0	%100
6	M54	Z	0	0	0	%100
7	M62	X	0	0	0	%100
8	M62	Z	0	0	0	%100
9	M63	X	0	0	0	%100
10	M63	Z	0	0	0	%100
11	M65	X	0	0	0	%100
12	M65	Z	0	0	0	%100
13	M66	X	-.678	-.678	0	%100
14	M66	Z	0	0	0	%100
15	M67	X	-.678	-.678	0	%100
16	M67	Z	0	0	0	%100
17	M200	X	0	0	0	%100
18	M200	Z	0	0	0	%100
19	M186A	X	0	0	0	%100
20	M186A	Z	0	0	0	%100
21	MP4A	X	-.52	-.52	0	%100
22	MP4A	Z	0	0	0	%100
23	MP3A	X	-.52	-.52	0	%100
24	MP3A	Z	0	0	0	%100
25	MP2A	X	-.52	-.52	0	%100
26	MP2A	Z	0	0	0	%100
27	MP1A	X	-.52	-.52	0	%100
28	MP1A	Z	0	0	0	%100
29	M113	X	0	0	0	%100
30	M113	Z	0	0	0	%100
31	M41	X	-.236	-.236	0	%100
32	M41	Z	0	0	0	%100
33	M44	X	-.76	-.76	0	%100
34	M44	Z	0	0	0	%100
35	M45	X	-.76	-.76	0	%100
36	M45	Z	0	0	0	%100
37	M53A	X	-.087	-.087	0	%100
38	M53A	Z	0	0	0	%100
39	M54A	X	-.096	-.096	0	%100
40	M54A	Z	0	0	0	%100
41	M56A	X	-.077	-.077	0	%100
42	M56A	Z	0	0	0	%100
43	M57A	X	-2.5e-5	-2.5e-5	0	%100
44	M57A	Z	0	0	0	%100
45	M58A	X	-.686	-.686	0	%100
46	M58A	Z	0	0	0	%100
47	M61A	X	-.909	-.909	0	%100
48	M61A	Z	0	0	0	%100
49	M65A	X	-.236	-.236	0	%100
50	M65A	Z	0	0	0	%100
51	M68	X	-.76	-.76	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-.76	-.76	0	%100
54	M69	Z	0	0	0	%100
55	M77	X	-.087	-.087	0	%100
56	M77	Z	0	0	0	%100
57	M78	X	-.096	-.096	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	0	0	0	%100
59	M80	X	-.077	-.077	0	%100
60	M80	Z	0	0	0	%100
61	M81	X	-.686	-.686	0	%100
62	M81	Z	0	0	0	%100
63	M82	X	-2.5e-5	-2.5e-5	0	%100
64	M82	Z	0	0	0	%100
65	M85	X	-.985	-.985	0	%100
66	M85	Z	0	0	0	%100
67	M112A	X	-.575	-.575	0	%100
68	M112A	Z	0	0	0	%100
69	M117	X	-.39	-.39	0	%100
70	M117	Z	0	0	0	%100
71	MP4C	X	-.52	-.52	0	%100
72	MP4C	Z	0	0	0	%100
73	MP3C	X	-.52	-.52	0	%100
74	MP3C	Z	0	0	0	%100
75	MP2C	X	-.52	-.52	0	%100
76	MP2C	Z	0	0	0	%100
77	MP1C	X	-.52	-.52	0	%100
78	MP1C	Z	0	0	0	%100
79	M152	X	-.575	-.575	0	%100
80	M152	Z	0	0	0	%100
81	M157	X	-.39	-.39	0	%100
82	M157	Z	0	0	0	%100
83	MP4B	X	-.52	-.52	0	%100
84	MP4B	Z	0	0	0	%100
85	MP3B	X	-.52	-.52	0	%100
86	MP3B	Z	0	0	0	%100
87	MP2B	X	-.52	-.52	0	%100
88	MP2B	Z	0	0	0	%100
89	MP1B	X	-.52	-.52	0	%100
90	MP1B	Z	0	0	0	%100
91	M193	X	-.52	-.52	0	%100
92	M193	Z	0	0	0	%100
93	M224A	X	-1.003	-1.003	0	%100
94	M224A	Z	0	0	0	%100
95	M225A	X	-1.003	-1.003	0	%100
96	M225A	Z	0	0	0	%100
97	M226A	X	0	0	0	%100
98	M226A	Z	0	0	0	%100
99	M162	X	-.474	-.474	0	%100
100	M162	Z	0	0	0	%100
101	M125A	X	-.373	-.373	0	%100
102	M125A	Z	0	0	0	%100
103	M126	X	-.373	-.373	0	%100
104	M126	Z	0	0	0	%100
105	M127	X	-.175	-.175	0	%100
106	M127	Z	0	0	0	%100
107	M128	X	-.821	-.821	0	%100
108	M128	Z	0	0	0	%100
109	M129	X	-.821	-.821	0	%100
110	M129	Z	0	0	0	%100
111	M130	X	-.175	-.175	0	%100
112	M130	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	M48	X	-.613	-.613	0	%100
2	M48	Z	-.354	-.354	0	%100
3	M53	X	-.219	-.219	0	%100
4	M53	Z	-.127	-.127	0	%100
5	M54	X	-.219	-.219	0	%100
6	M54	Z	-.127	-.127	0	%100
7	M62	X	-.025	-.025	0	%100
8	M62	Z	-.014	-.014	0	%100
9	M63	X	-.028	-.028	0	%100
10	M63	Z	-.016	-.016	0	%100
11	M65	X	-.022	-.022	0	%100
12	M65	Z	-.013	-.013	0	%100
13	M66	X	-.788	-.788	0	%100
14	M66	Z	-.455	-.455	0	%100
15	M67	X	-.193	-.193	0	%100
16	M67	Z	-.112	-.112	0	%100
17	M200	X	-.166	-.166	0	%100
18	M200	Z	-.096	-.096	0	%100
19	M186A	X	-.113	-.113	0	%100
20	M186A	Z	-.065	-.065	0	%100
21	MP4A	X	-.45	-.45	0	%100
22	MP4A	Z	-.26	-.26	0	%100
23	MP3A	X	-.45	-.45	0	%100
24	MP3A	Z	-.26	-.26	0	%100
25	MP2A	X	-.45	-.45	0	%100
26	MP2A	Z	-.26	-.26	0	%100
27	MP1A	X	-.45	-.45	0	%100
28	MP1A	Z	-.26	-.26	0	%100
29	M113	X	-.284	-.284	0	%100
30	M113	Z	-.164	-.164	0	%100
31	M41	X	-.613	-.613	0	%100
32	M41	Z	-.354	-.354	0	%100
33	M44	X	-.219	-.219	0	%100
34	M44	Z	-.127	-.127	0	%100
35	M45	X	-.219	-.219	0	%100
36	M45	Z	-.127	-.127	0	%100
37	M53A	X	-.025	-.025	0	%100
38	M53A	Z	-.014	-.014	0	%100
39	M54A	X	-.028	-.028	0	%100
40	M54A	Z	-.016	-.016	0	%100
41	M56A	X	-.022	-.022	0	%100
42	M56A	Z	-.013	-.013	0	%100
43	M57A	X	-.193	-.193	0	%100
44	M57A	Z	-.112	-.112	0	%100
45	M58A	X	-.788	-.788	0	%100
46	M58A	Z	-.455	-.455	0	%100
47	M61A	X	-.256	-.256	0	%100
48	M61A	Z	-.148	-.148	0	%100
49	M65A	X	0	0	0	%100
50	M65A	Z	0	0	0	%100
51	M68	X	-.878	-.878	0	%100
52	M68	Z	-.507	-.507	0	%100
53	M69	X	-.878	-.878	0	%100
54	M69	Z	-.507	-.507	0	%100
55	M77	X	-.1	-.1	0	%100
56	M77	Z	-.058	-.058	0	%100
57	M78	X	-.111	-.111	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,%]
58	M78	Z	-.064	-.064	0	%100
59	M80	X	-.089	-.089	0	%100
60	M80	Z	-.051	-.051	0	%100
61	M81	X	-.2	-.2	0	%100
62	M81	Z	-.116	-.116	0	%100
63	M82	X	-.2	-.2	0	%100
64	M82	Z	-.116	-.116	0	%100
65	M85	X	-1.137	-1.137	0	%100
66	M85	Z	-.657	-.657	0	%100
67	M112A	X	-.166	-.166	0	%100
68	M112A	Z	-.096	-.096	0	%100
69	M117	X	-.113	-.113	0	%100
70	M117	Z	-.065	-.065	0	%100
71	MP4C	X	-.45	-.45	0	%100
72	MP4C	Z	-.26	-.26	0	%100
73	MP3C	X	-.45	-.45	0	%100
74	MP3C	Z	-.26	-.26	0	%100
75	MP2C	X	-.45	-.45	0	%100
76	MP2C	Z	-.26	-.26	0	%100
77	MP1C	X	-.45	-.45	0	%100
78	MP1C	Z	-.26	-.26	0	%100
79	M152	X	-.663	-.663	0	%100
80	M152	Z	-.383	-.383	0	%100
81	M157	X	-.45	-.45	0	%100
82	M157	Z	-.26	-.26	0	%100
83	MP4B	X	-.45	-.45	0	%100
84	MP4B	Z	-.26	-.26	0	%100
85	MP3B	X	-.45	-.45	0	%100
86	MP3B	Z	-.26	-.26	0	%100
87	MP2B	X	-.45	-.45	0	%100
88	MP2B	Z	-.26	-.26	0	%100
89	MP1B	X	-.45	-.45	0	%100
90	MP1B	Z	-.26	-.26	0	%100
91	M193	X	-.45	-.45	0	%100
92	M193	Z	-.26	-.26	0	%100
93	M224A	X	-.29	-.29	0	%100
94	M224A	Z	-.167	-.167	0	%100
95	M225A	X	-1.158	-1.158	0	%100
96	M225A	Z	-.669	-.669	0	%100
97	M226A	X	-.29	-.29	0	%100
98	M226A	Z	-.167	-.167	0	%100
99	M162	X	-.41	-.41	0	%100
100	M162	Z	-.237	-.237	0	%100
101	M125A	X	-.638	-.638	0	%100
102	M125A	Z	-.369	-.369	0	%100
103	M126	X	-.08	-.08	0	%100
104	M126	Z	-.046	-.046	0	%100
105	M127	X	-.08	-.08	0	%100
106	M127	Z	-.046	-.046	0	%100
107	M128	X	-.638	-.638	0	%100
108	M128	Z	-.369	-.369	0	%100
109	M129	X	-.467	-.467	0	%100
110	M129	Z	-.27	-.27	0	%100
111	M130	X	-.467	-.467	0	%100
112	M130	Z	-.27	-.27	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	M48	X	-.118	-.118	0	%100
2	M48	Z	-.204	-.204	0	%100
3	M53	X	-.38	-.38	0	%100
4	M53	Z	-.658	-.658	0	%100
5	M54	X	-.38	-.38	0	%100
6	M54	Z	-.658	-.658	0	%100
7	M62	X	-.043	-.043	0	%100
8	M62	Z	-.075	-.075	0	%100
9	M63	X	-.048	-.048	0	%100
10	M63	Z	-.083	-.083	0	%100
11	M65	X	-.038	-.038	0	%100
12	M65	Z	-.067	-.067	0	%100
13	M66	X	-.343	-.343	0	%100
14	M66	Z	-.594	-.594	0	%100
15	M67	X	-1.2e-5	-1.2e-5	0	%100
16	M67	Z	-2.1e-5	-2.1e-5	0	%100
17	M200	X	-.287	-.287	0	%100
18	M200	Z	-.498	-.498	0	%100
19	M186A	X	-.195	-.195	0	%100
20	M186A	Z	-.338	-.338	0	%100
21	MP4A	X	-.26	-.26	0	%100
22	MP4A	Z	-.45	-.45	0	%100
23	MP3A	X	-.26	-.26	0	%100
24	MP3A	Z	-.45	-.45	0	%100
25	MP2A	X	-.26	-.26	0	%100
26	MP2A	Z	-.45	-.45	0	%100
27	MP1A	X	-.26	-.26	0	%100
28	MP1A	Z	-.45	-.45	0	%100
29	M113	X	-.492	-.492	0	%100
30	M113	Z	-.853	-.853	0	%100
31	M41	X	-.472	-.472	0	%100
32	M41	Z	-.817	-.817	0	%100
33	M44	X	0	0	0	%100
34	M44	Z	0	0	0	%100
35	M45	X	0	0	0	%100
36	M45	Z	0	0	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	0	0	0	%100
39	M54A	X	0	0	0	%100
40	M54A	Z	0	0	0	%100
41	M56A	X	0	0	0	%100
42	M56A	Z	0	0	0	%100
43	M57A	X	-.339	-.339	0	%100
44	M57A	Z	-.587	-.587	0	%100
45	M58A	X	-.339	-.339	0	%100
46	M58A	Z	-.587	-.587	0	%100
47	M61A	X	-.039	-.039	0	%100
48	M61A	Z	-.068	-.068	0	%100
49	M65A	X	-.118	-.118	0	%100
50	M65A	Z	-.204	-.204	0	%100
51	M68	X	-.38	-.38	0	%100
52	M68	Z	-.658	-.658	0	%100
53	M69	X	-.38	-.38	0	%100
54	M69	Z	-.658	-.658	0	%100
55	M77	X	-.043	-.043	0	%100
56	M77	Z	-.075	-.075	0	%100
57	M78	X	-.048	-.048	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Z	-.083	-.083	0	%100
59	M80	X	-.038	-.038	0	%100
60	M80	Z	-.067	-.067	0	%100
61	M81	X	-1.2e-5	-1.2e-5	0	%100
62	M81	Z	-2.1e-5	-2.1e-5	0	%100
63	M82	X	-.343	-.343	0	%100
64	M82	Z	-.594	-.594	0	%100
65	M85	X	-.492	-.492	0	%100
66	M85	Z	-.853	-.853	0	%100
67	M112A	X	0	0	0	%100
68	M112A	Z	0	0	0	%100
69	M117	X	0	0	0	%100
70	M117	Z	0	0	0	%100
71	MP4C	X	-.26	-.26	0	%100
72	MP4C	Z	-.45	-.45	0	%100
73	MP3C	X	-.26	-.26	0	%100
74	MP3C	Z	-.45	-.45	0	%100
75	MP2C	X	-.26	-.26	0	%100
76	MP2C	Z	-.45	-.45	0	%100
77	MP1C	X	-.26	-.26	0	%100
78	MP1C	Z	-.45	-.45	0	%100
79	M152	X	-.287	-.287	0	%100
80	M152	Z	-.498	-.498	0	%100
81	M157	X	-.195	-.195	0	%100
82	M157	Z	-.338	-.338	0	%100
83	MP4B	X	-.26	-.26	0	%100
84	MP4B	Z	-.45	-.45	0	%100
85	MP3B	X	-.26	-.26	0	%100
86	MP3B	Z	-.45	-.45	0	%100
87	MP2B	X	-.26	-.26	0	%100
88	MP2B	Z	-.45	-.45	0	%100
89	MP1B	X	-.26	-.26	0	%100
90	MP1B	Z	-.45	-.45	0	%100
91	M193	X	-.26	-.26	0	%100
92	M193	Z	-.45	-.45	0	%100
93	M224A	X	0	0	0	%100
94	M224A	Z	0	0	0	%100
95	M225A	X	-.502	-.502	0	%100
96	M225A	Z	-.869	-.869	0	%100
97	M226A	X	-.502	-.502	0	%100
98	M226A	Z	-.869	-.869	0	%100
99	M162	X	-.237	-.237	0	%100
100	M162	Z	-.41	-.41	0	%100
101	M125A	X	-.41	-.41	0	%100
102	M125A	Z	-.711	-.711	0	%100
103	M126	X	-.088	-.088	0	%100
104	M126	Z	-.152	-.152	0	%100
105	M127	X	-.186	-.186	0	%100
106	M127	Z	-.323	-.323	0	%100
107	M128	X	-.186	-.186	0	%100
108	M128	Z	-.323	-.323	0	%100
109	M129	X	-.088	-.088	0	%100
110	M129	Z	-.152	-.152	0	%100
111	M130	X	-.41	-.41	0	%100
112	M130	Z	-.711	-.711	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M53	Y	-.0005171	-.002	0	1.125
2	M53	Y	-.002	-.003	1.125	2.25
3	M54	Y	-.003	-.002	0	1.125
4	M54	Y	-.002	-.0005173	1.125	2.25
5	M62	Y	-.002	-.004	0	.65
6	M62	Y	-.004	-.004	.65	1.3
7	M62	Y	-.004	-.003	1.3	1.95
8	M62	Y	-.003	-.000316	1.95	2.6
9	M63	Y	-.002	-.003	0	.71
10	M63	Y	-.003	-.005	.71	1.42
11	M63	Y	-.005	-.005	1.42	2.13
12	M63	Y	-.005	-.003	2.13	2.84
13	M63	Y	-.003	-.0002125	2.84	3.55
14	M65	Y	-.003	-.002	0	.825
15	M65	Y	-.002	-.001	.825	1.651
16	M66	Y	-.001	-.001	0	.929
17	M66	Y	-.001	-.001	.929	1.858
18	M66	Y	-.001	-.001	1.858	2.787
19	M66	Y	-.001	-.001	2.787	3.717
20	M67	Y	-.001	-.002	0	.929
21	M67	Y	-.002	-.002	.929	1.858
22	M67	Y	-.002	-.002	1.858	2.787
23	M67	Y	-.002	-.002	2.787	3.717
24	M113	Y	-.001	-.001	0	.75
25	M44	Y	-.0005171	-.002	0	1.125
26	M44	Y	-.002	-.003	1.125	2.25
27	M45	Y	-.003	-.002	0	1.125
28	M45	Y	-.002	-.0005173	1.125	2.25
29	M53A	Y	-.002	-.004	0	.65
30	M53A	Y	-.004	-.004	.65	1.3
31	M53A	Y	-.004	-.003	1.3	1.95
32	M53A	Y	-.003	-.000316	1.95	2.6
33	M54A	Y	-.002	-.003	0	.71
34	M54A	Y	-.003	-.005	.71	1.42
35	M54A	Y	-.005	-.005	1.42	2.13
36	M54A	Y	-.005	-.003	2.13	2.84
37	M54A	Y	-.003	-.0002125	2.84	3.55
38	M56A	Y	-.003	-.002	0	.825
39	M56A	Y	-.002	-.001	.825	1.651
40	M57A	Y	-.001	-.001	0	.929
41	M57A	Y	-.001	-.001	.929	1.858
42	M57A	Y	-.001	-.002	1.858	2.787
43	M57A	Y	-.002	-.003	2.787	3.717
44	M58A	Y	-.001	-.002	0	.929
45	M58A	Y	-.002	-.002	.929	1.858
46	M58A	Y	-.002	-.002	1.858	2.787
47	M58A	Y	-.002	-.002	2.787	3.717
48	M68	Y	-.0005171	-.002	0	1.125
49	M68	Y	-.002	-.003	1.125	2.25
50	M69	Y	-.003	-.002	0	1.125
51	M69	Y	-.002	-.0005173	1.125	2.25
52	M77	Y	-.002	-.004	0	.65
53	M77	Y	-.004	-.004	.65	1.3
54	M77	Y	-.004	-.003	1.3	1.95
55	M77	Y	-.003	-.000316	1.95	2.6
56	M78	Y	-.002	-.003	0	.71
57	M78	Y	-.003	-.005	.71	1.42

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M78	Y	-.005	-.005	1.42	2.13
59	M78	Y	-.005	-.003	2.13	2.84
60	M78	Y	-.003	-.0002125	2.84	3.55
61	M80	Y	-.003	-.002	0	.825
62	M80	Y	-.002	-.001	.825	1.651
63	M81	Y	-.001	-.001	0	.929
64	M81	Y	-.001	-.001	.929	1.858
65	M81	Y	-.001	-.001	1.858	2.787
66	M81	Y	-.001	-.001	2.787	3.717
67	M82	Y	-.001	-.002	0	.929
68	M82	Y	-.002	-.002	.929	1.858
69	M82	Y	-.002	-.002	1.858	2.787
70	M82	Y	-.002	-.002	2.787	3.717
71	M85	Y	-.001	-.001	0	.75

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M53	Y	-.001	-.003	0	1.125
2	M53	Y	-.003	-.005	1.125	2.25
3	M54	Y	-.005	-.003	0	1.125
4	M54	Y	-.003	-.001	1.125	2.25
5	M62	Y	-.004	-.007	0	.65
6	M62	Y	-.007	-.009	.65	1.3
7	M62	Y	-.009	-.006	1.3	1.95
8	M62	Y	-.006	-.000616	1.95	2.6
9	M63	Y	-.003	-.006	0	.71
10	M63	Y	-.006	-.009	.71	1.42
11	M63	Y	-.009	-.01	1.42	2.13
12	M63	Y	-.01	-.007	2.13	2.84
13	M63	Y	-.007	-.0004143	2.84	3.55
14	M65	Y	-.006	-.005	0	.825
15	M65	Y	-.005	-.003	.825	1.651
16	M66	Y	-.002	-.003	0	.929
17	M66	Y	-.003	-.003	.929	1.858
18	M66	Y	-.003	-.003	1.858	2.787
19	M66	Y	-.003	-.002	2.787	3.717
20	M67	Y	-.002	-.003	0	.929
21	M67	Y	-.003	-.004	.929	1.858
22	M67	Y	-.004	-.004	1.858	2.787
23	M67	Y	-.004	-.003	2.787	3.717
24	M113	Y	-.002	-.002	0	.75
25	M44	Y	-.001	-.003	0	1.125
26	M44	Y	-.003	-.005	1.125	2.25
27	M45	Y	-.005	-.003	0	1.125
28	M45	Y	-.003	-.001	1.125	2.25
29	M53A	Y	-.004	-.007	0	.65
30	M53A	Y	-.007	-.009	.65	1.3
31	M53A	Y	-.009	-.006	1.3	1.95
32	M53A	Y	-.006	-.000616	1.95	2.6
33	M54A	Y	-.003	-.006	0	.71
34	M54A	Y	-.006	-.009	.71	1.42
35	M54A	Y	-.009	-.01	1.42	2.13
36	M54A	Y	-.01	-.007	2.13	2.84
37	M54A	Y	-.007	-.0004143	2.84	3.55
38	M56A	Y	-.006	-.005	0	.825
39	M56A	Y	-.005	-.003	.825	1.651

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M57A	Y	-.002	-.003	0	.929
41	M57A	Y	-.003	-.003	.929	1.858
42	M57A	Y	-.003	-.003	1.858	2.787
43	M57A	Y	-.003	-.005	2.787	3.717
44	M58A	Y	-.002	-.003	0	.929
45	M58A	Y	-.003	-.004	.929	1.858
46	M58A	Y	-.004	-.004	1.858	2.787
47	M58A	Y	-.004	-.003	2.787	3.717
48	M68	Y	-.001	-.003	0	1.125
49	M68	Y	-.003	-.005	1.125	2.25
50	M69	Y	-.005	-.003	0	1.125
51	M69	Y	-.003	-.001	1.125	2.25
52	M77	Y	-.004	-.007	0	.65
53	M77	Y	-.007	-.009	.65	1.3
54	M77	Y	-.009	-.006	1.3	1.95
55	M77	Y	-.006	-.000616	1.95	2.6
56	M78	Y	-.003	-.006	0	.71
57	M78	Y	-.006	-.009	.71	1.42
58	M78	Y	-.009	-.01	1.42	2.13
59	M78	Y	-.01	-.007	2.13	2.84
60	M78	Y	-.007	-.0004143	2.84	3.55
61	M80	Y	-.006	-.005	0	.825
62	M80	Y	-.005	-.003	.825	1.651
63	M81	Y	-.002	-.003	0	.929
64	M81	Y	-.003	-.003	.929	1.858
65	M81	Y	-.003	-.003	1.858	2.787
66	M81	Y	-.003	-.002	2.787	3.717
67	M82	Y	-.002	-.003	0	.929
68	M82	Y	-.003	-.004	.929	1.858
69	M82	Y	-.004	-.004	1.858	2.787
70	M82	Y	-.004	-.003	2.787	3.717
71	M85	Y	-.002	-.002	0	.75

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N76	N77	N80	N79	Y	Two Way	-.005
2	N81A	N82A	N85A	N84A	Y	Two Way	-.005
3	N114	N115	N118	N117	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N76	N77	N80	N79	Y	Two Way	-.01
2	N81A	N82A	N85A	N84A	Y	Two Way	-.01
3	N114	N115	N118	N117	Y	Two Way	-.01

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	N67	max	952.774	10	1837.947	20	-133.173	2	5.665	20	1.568	4	.192	9
2		min	-1021.347	4	712.053	2	-3193.788	20	2.201	2	-1.389	10	-.187	3
3	N72A	max	-534.309	11	1679.122	16	1617.446	24	-.828	7	1.323	12	-1.575	10
4		min	-2541.559	17	678.242	10	27.694	6	-2.258	13	-1.267	6	-4.102	16
5	N105	max	2688.86	22	1728.971	23	1756.367	13	-.982	7	1.287	8	4.588	22
6		min	40.734	4	677.957	5	-164.864	7	-2.678	13	-1.482	2	1.93	4

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
7	N232B	max	288.186	12	602.925	7	354.615	1	0	50	0	28	0	10
8		min	-263.698	6	-145.122	1	-1208.214	7	0	37	0	10	0	28
9	N233B	max	346.713	9	577.894	3	773.108	2	0	10	0	4	0	8
10		min	-943.087	3	-190.521	9	-378.719	8	0	4	0	10	0	2
11	N234A	max	1024.715	11	561.495	11	595.836	12	0	8	0	8	0	8
12		min	-373.064	5	-160.239	5	-242.308	6	0	2	0	2	0	2
13	Totals:	max	4297.658	10	6419.911	20	4317.925	1						
14		min	-4297.657	4	3233.394	2	-4317.934	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	M48	HSS5X3X6	.232	0	16	.032	1....	z	10	191531...	1978...	17.595	25.323	...	H1-...
2	M53	L3.5X3X3	.724	2.25	21	.050	2.25	z	21	26494....	3685...	1.41	3.008	...	H2-1
3	M54	L3.5X3X3	.703	0	17	.046	0	z	17	26494....	3685...	1.41	3.008	...	H2-1
4	M62	PL3/8x2	.143	1.3	21	.011	1.3	y	5	2039.3...	24300	.19	1.012	...	H1-...
5	M63	PL3/8x2	.117	1.775	9	.011	1....	y	5	1094.2...	24300	.19	1.012	...	H1-...
6	M65	PL3/8x2	.227	.825	20	.035	.825	y	6	5059.8...	24300	.19	1.012	...	H1-...
7	M66	L2.5X1X4	.287	3.261	18	.225	3....	z	5	3888.8...	26325	.222	1.354	...	H2-1
8	M67	L2.5X1X4	.406	3.261	20	.235	3....	z	21	3888.8...	26325	.222	1.385	...	H2-1
9	M200	PIPE_3.0	.116	8.163	48	.051	8....		37	28250....	65205	5.749	5.749	...	H1-...
10	M186A	PIPE_2.0	.295	.765	21	.102	3....		33	6295.4...	32130	1.872	1.872	...	H1-...
11	MP4A	PIPE_2.0	.154	4.408	50	.071	4....		29	20866....	32130	1.872	1.872	...	H1-...
12	MP3A	PIPE_2.0	.154	4.408	28	.049	1....		2	20866....	32130	1.872	1.872	...	H1-...
13	MP2A	PIPE_2.0	.212	4.408	14	.170	4....		10	20866....	32130	1.872	1.872	...	H1-...
14	MP1A	PIPE_2.0	.098	4.408	38	.043	4....		38	20866....	32130	1.872	1.872	...	H1-...
15	M113	L6x2.5x4	.392	.375	20	.191	.375	z	20	49405....	66825	.965	5.664	...	H2-1
16	M41	HSS5X3X6	.186	0	24	.033	0	y	16	178189...	1978...	17.595	25.323	...	H1-...
17	M44	L3.5X3X3	.898	2.25	17	.068	2.25	z	16	26494....	3685...	1.41	3.008	...	H2-1
18	M45	L3.5X3X3	.829	0	13	.064	0	z	14	26494....	3685...	1.41	3.008	...	H2-1
19	M53A	PL3/8x2	.368	1.3	16	.113	1....	y	26	2039.3...	24300	.19	1.012	...	H1-...
20	M54A	PL3/8x2	.229	1.775	17	.059	1....	y	26	1094.2...	24300	.19	1.012	...	H1-...
21	M56A	PL3/8x2	.807	.825	14	.255	.825	y	26	5059.8...	24300	.19	1.012	...	H1-...
22	M57A	L2.5X1X4	.442	2.844	14	.351	3....	z	25	3888.8...	26325	.222	1.198	...	H2-1
23	M58A	L2.5X1X4	.430	2.806	16	.187	3....	z	26	3888.8...	26325	.222	1.286	...	H2-1
24	M61A	L6x2.5x4	.094	.904	32	.063	.904	z	17	49155....	66825	.965	5.668	...	H2-1
25	M65A	HSS5X3X6	.220	0	14	.046	1....	y	37	191531...	1978...	17.595	25.323	...	H1-...
26	M68	L3.5X3X3	.708	2.25	13	.047	2.25	z	37	26494....	3685...	1.41	3.008	...	H2-1
27	M69	L3.5X3X3	.648	0	21	.044	0	z	21	26494....	3685...	1.41	3.008	...	H2-1
28	M77	PL3/8x2	.139	1.3	13	.013	1....	y	9	2039.3...	24300	.19	1.012	...	H1-...
29	M78	PL3/8x2	.114	1.775	13	.012	0	y	8	1094.2...	24300	.19	1.012	...	H1-...
30	M80	PL3/8x2	.213	.825	22	.045	.825	y	9	5059.8...	24300	.19	1.012	...	H1-...
31	M81	L2.5X1X4	.341	3.261	21	.261	3....	z	9	3888.8...	26325	.222	1.349	...	H2-1
32	M82	L2.5X1X4	.375	3.261	23	.224	3....	z	37	3888.8...	26325	.222	1.385	...	H2-1
33	M85	L6x2.5x4	.380	.375	23	.189	.375	z	22	49405....	66825	.965	5.668	...	H2-1
34	M112A	PIPE_3.0	.078	8.169	8	.056	8....		21	28219....	65205	5.749	5.749	...	H1-...
35	M117	PIPE_2.0	.288	11.735	13	.090	9....		13	6295.4...	32130	1.872	1.872	...	H1-...
36	MP4C	PIPE_2.0	.092	4.408	38	.054	2....		17	20866....	32130	1.872	1.872	...	H1-...
37	MP3C	PIPE_2.0	.104	4.408	20	.046	4....		10	20866....	32130	1.872	1.872	...	H1-...
38	MP2C	PIPE_2.0	.158	4.408	10	.170	4....		12	20866....	32130	1.872	1.872	...	H1-...
39	MP1C	PIPE_2.0	.090	4.408	4	.035	1....		22	20866....	32130	1.872	1.872	...	H1-...
40	M152	PIPE_3.0	.086	8.679	36	.059	8....		17	28219....	65205	5.749	5.749	...	H1-...
41	M157	PIPE_2.0	.291	.765	13	.094	9....		21	6295.4...	32130	1.872	1.872	...	H1-...
42	MP4B	PIPE_2.0	.085	4.408	10	.064	1....		13	20866....	32130	1.872	1.872	...	H1-...
43	MP3B	PIPE_2.0	.111	4.408	16	.047	1....		5	20866....	32130	1.872	1.872	...	H1-...
44	MP2B	PIPE_2.0	.164	4.408	6	.170	4....		2	20866....	32130	1.872	1.872	...	H1-...

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
45	MP1B	PIPE_2.0	.205	4.408	36	.032	4....		10	20866....	32130	1.872	1.872	...	H1-...
46	M193	PIPE_2.0	.082	3.782	11	.013	3....		11	21490....	32130	1.872	1.872	...	H1-...
47	M224A	L5.25X3.75X3	.018	1.194	21	.010	0	y	35	573370..	5832..	33.872	54.856	...	H2-1
48	M225A	L5.25X3.75X3	.017	1.072	17	.005	0	y	8	573370..	5832..	33.872	54.856	...	H2-1
49	M226A	L5.25X3.75X3	.018	.857	13	.004	0	y	4	573370..	5832..	33.872	54.856	...	H2-1
50	M162	PIPE_2.0	.114	2.98	5	.012	2.98		5	26521....	32130	1.872	1.872	1	H1-...
51	M125A	L2.5x2.5x3	.064	2.097	6	.004	4....	z	12	16444....	2919..	.873	1.694	...	H2-1
52	M126	L2.5x2.5x3	.064	2.097	8	.004	4....	y	8	16444....	2919..	.873	1.694	...	H2-1
53	M127	L2.5x2.5x3	.061	2.097	2	.004	0	z	8	16444....	2919..	.873	1.694	...	H2-1
54	M128	L2.5x2.5x3	.064	2.097	4	.004	4....	y	10	16444....	2919..	.873	1.694	...	H2-1
55	M129	L2.5x2.5x3	.061	2.097	10	.004	4....	z	4	16444....	2919..	.873	1.694	...	H2-1
56	M130	L2.5x2.5x3	.063	2.097	12	.004	0	y	6	16444....	2919..	.873	1.694	...	H2-1

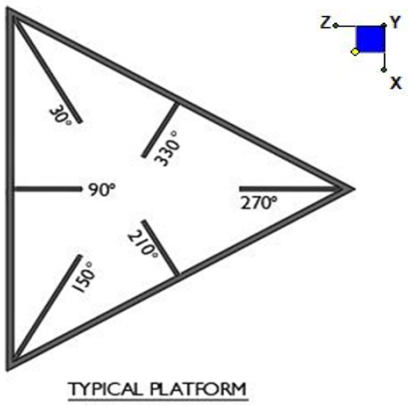
Client:	Verizon Wireless	Date:	6/10/2021
Site Name:	Colchester S 2 CT - ATC monopole		
Project No.	21777428A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

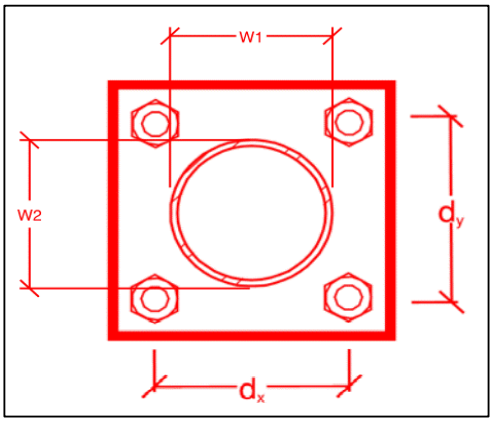
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
n67	270
n105	150
n72a	30



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)* :	7
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.75
Required Tensile Strength (kips):	22.6
Required Shear Strength (kips):	3.0
Tensile Strength / bolt (kips):	29.8
Shear Strength / bolt (kips):	17.9
Tensile Capacity Overall:	**19.0%***
Shear Capacity Overall:	**4.2%**



**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):	10
Plate Height (in):	10
W1 (in):	3
W2 (in):	5
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	4.53
Plate Bending Capacity:	**28.0%**
Weld Capacity:	**81.3%**

Unique Weld Check

Weld Pattern:	(2) Vertical Fillet Welds
L1 (in):	0.56
L2 (in):	8

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	10.7
Phi*Mn_{xx} *(kip-in)* :	45.6
Mu_{yy} *(kip-in)* :	2.1
Phi*Mn_{yy} *(kip-in)* :	45.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor shall relocate the existing OVP that is bolted to the grating to proposed OVP mount pipe. Contractor shall install 48” long P2.0 STD mount pipe on standoff arm in beta sector. Attach the proposed mount pipe to the standoff with crossover plate (Perfect Vision Part #: PV-XP-ST-U or EOR approved equivalent). Install mount pipe with 36" above the standoff and 12" below. Contractor shall attach proposed OVP 12” from the top of mount pipe. Contractor to install safety climb cable guide (Site Pro 1, Part # 120-203/317 or EOR approved equivalent) in the new proposed mount collar. Contractor to provide photos of safety climb guide installation.

Response:

Schedule A – Photo & Document File Structure

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

Sector: **A**

Structure Type: Monopole

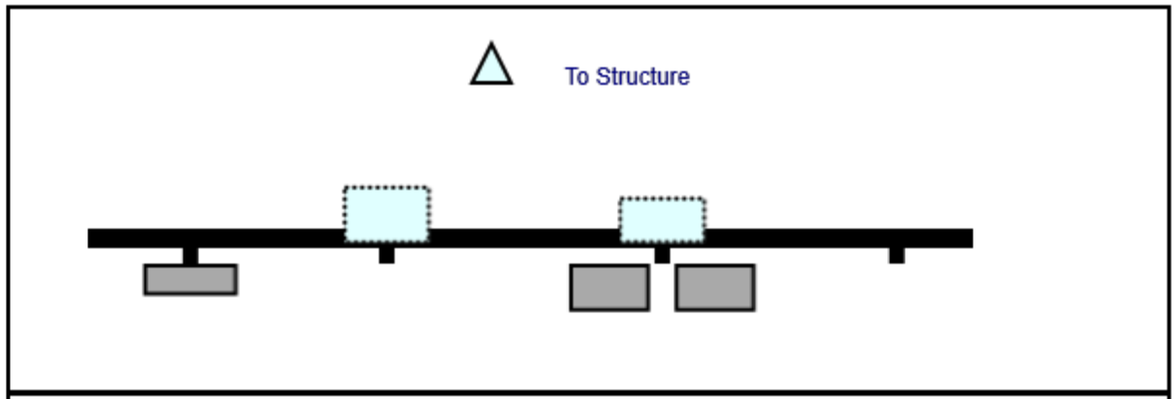
Mount Elev: 161.75

10050363

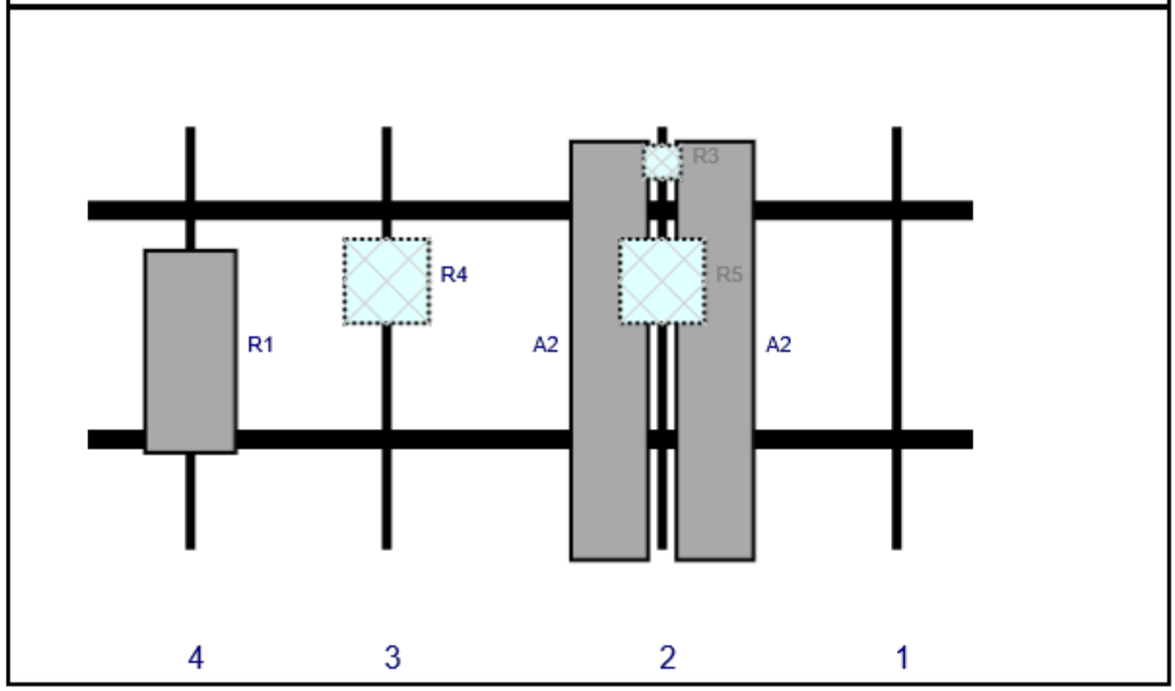
6/10/2021

MASER CONSULTING CONNECTICUT

Plan View



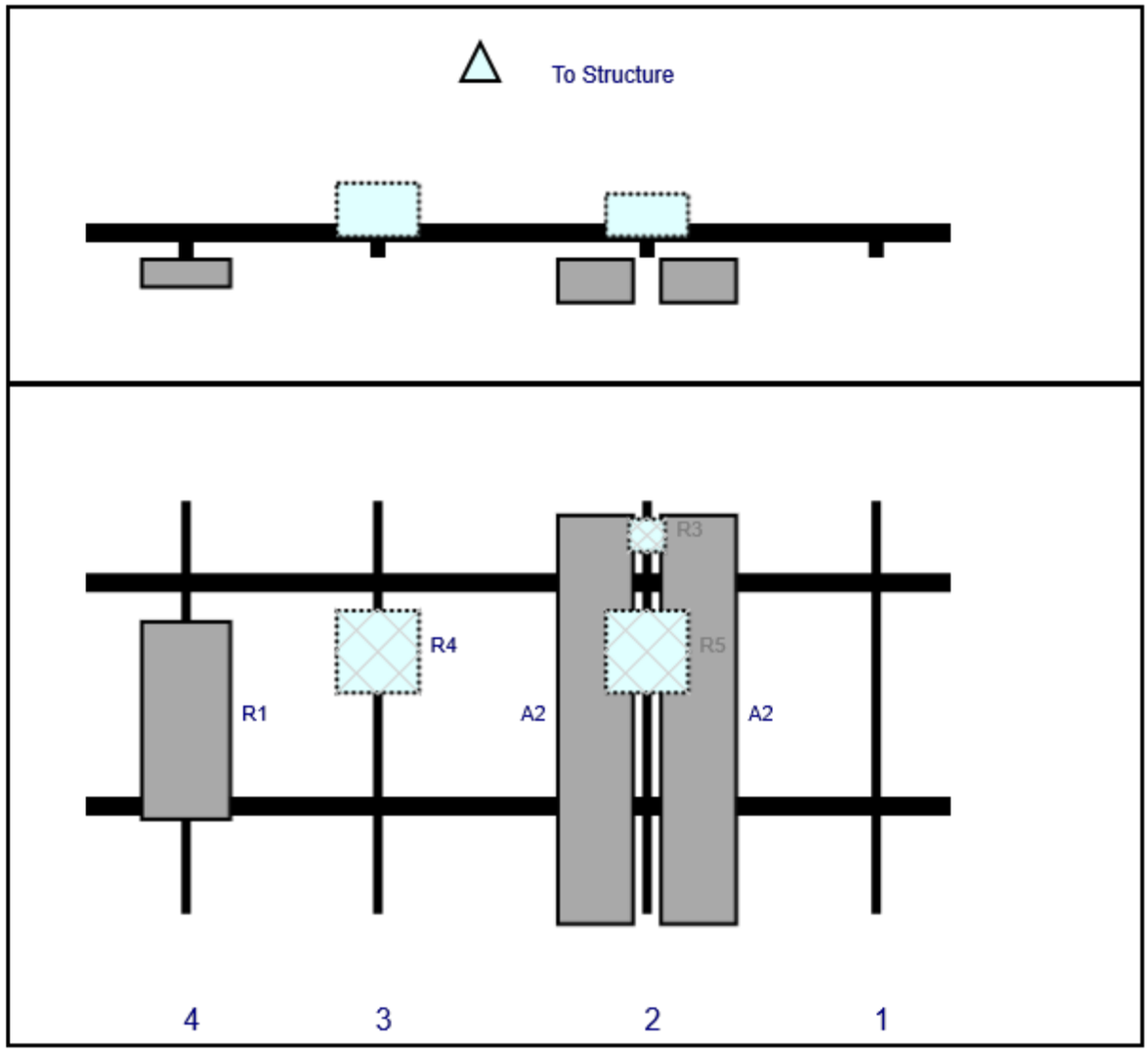
Front View
Looking at Structure



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
A2	JAHH-65B-R3B	72	13.8	98	2	a	Front	38.16	9	Retained	03/27/2021
A2	JAHH-65B-R3B	72	13.8	98	2	b	Front	38.16	-9	Retained	03/27/2021
R3	CBC78T-DS-43-2X	6.4	6.9	98	2	a	Behind	6	0	Added	
R5	B5/B13 RRH-BR04C	15	15	98	2	a	Behind	26.28	0	Retained	03/27/2021
R4	B2/B66A RRH-BR049	15	15	51	3	a	Behind	26.28	0	Retained	03/27/2021
R1	MT6407-77A	35.1	16.1	17.5	4	a	Front	38.28	0	Added	

Plan View

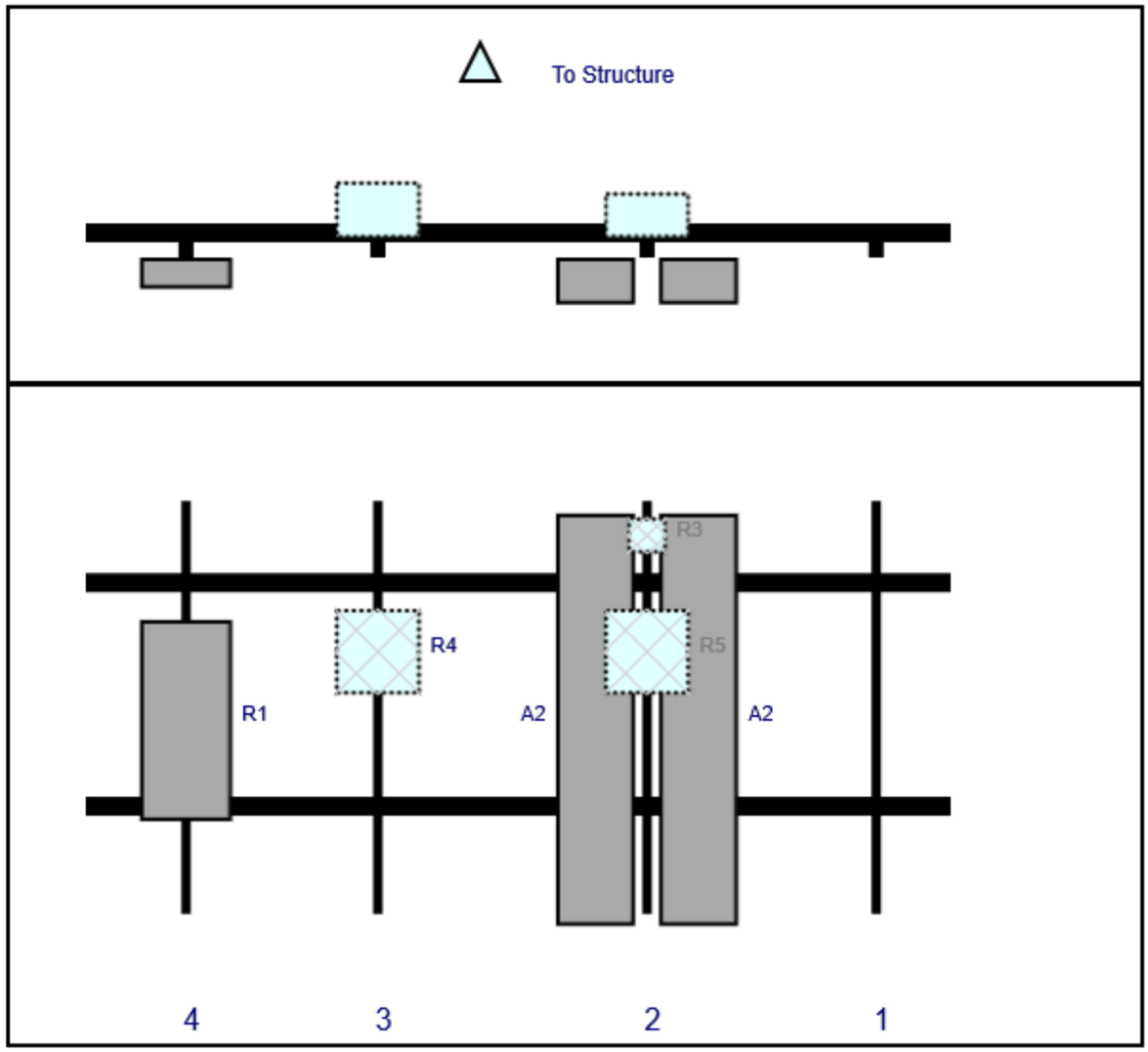
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	JAHH-65B-R3B	72	13.8	98	2	a	Front	38.16	9	Retained	03/27/2021
A2	JAHH-65B-R3B	72	13.8	98	2	b	Front	38.16	-9	Retained	03/27/2021
R3	CBC78T-DS-43-2X	6.4	6.9	98	2	a	Behind	6	0	Added	
R5	B5/B13 RRH-BR04C	15	15	98	2	a	Behind	26.28	0	Retained	03/27/2021
R4	B2/B66A RRH-BR049	15	15	51	3	a	Behind	26.28	0	Retained	03/27/2021
R1	MT6407-77A	35.1	16.1	17.5	4	a	Front	38.28	0	Added	

Plan View

Front View
Looking at Structure



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A2	JAHH-65B-R3B	72	13.8	98	2	a	Front	38.16	9	Retained	03/27/2021
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R3	CBC78T-DS-43-2X	6.4	6.9	98	2	a	Behind	6	0	Added	
R5	B5/B13 RRH-BR04C	15	15	98	2	a	Behind	26.28	0	Retained	03/27/2021
R4	B2/B66A RRH-BR049	15	15	51	3	a	Behind	26.28	0	Retained	03/27/2021
R1	MT6407-77A	35.1	16.1	17.5	4	a	Front	38.28	0	Added	

Maser Consulting Connecticut

MASER CONSULTING
— CONNECTICUT —

Subject		TIA-222-H Usage
Site Information	Site ID:	468035-VZW / COLCHESTER S 2 CT - ATC monopole
	Site Name:	COLCHESTER S 2 CT - ATC monopole
	Carrier Name:	Verizon Wireless
	Address:	355 Route 85 Colchester, Connecticut 06415 New London County
	Latitude:	41.54482028°
	Longitude:	-72.30489083°
Structure Information	Tower Type:	Monopole
	Mount Type:	12.58-Ft Platform

To Whom It May Concern,

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

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

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

Dejian Xu

Dejian Xu, PE
Technical Manager

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 12.58' PLATFORM

SITE NAME: COLCHESTER 2 CT - ATC MONOPOLE
SITE NUMBER: 468035

355 ROUTE 85
COLCHESTER, CT 06415
NEW LONDON COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE:	41.54482028° N
LONGITUDE:	72.30489063° W
JURISDICTION:	NEW LONDON COUNTY

APPLICANT/LESSEE

COMPANY:	VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY:	VERIZON WIRELESS
ADDRESS:	118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP:	WESTBOROUGH, MA 01581
CONTACT:	ANDREW CANDIELLO
EMAIL:	ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY:	MASER CONSULTING
CONTACT:	PETER ALBANO
PHONE:	(856) 797-0412
E-MAIL:	PETER.ALBANO@COLLIERSENGINEERING.COM

SHEET INDEX

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10069083
VZW LOCATION CODE (PSLC):	468035
FUZE ID:	16272107

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #:	10050363
MASER CONSULTING PROJECT #:	21777428A
ANALYSIS DATE:	5/4/2021

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- SOUTH CAROLINA
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- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

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SCALE:	JOB NUMBER:
AS SHOWN	21777428A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	06/11/2021	ISSUED FOR CONSTRUCTION	JRF	PMA

STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
LICENSE NO. 33733
MASER CONSULTING
LICENSED PROFESSIONAL ENGINEER
06/11/2021

SITE NAME:
COLCHESTER 2 CT - ATC
MONOPOLE
468035

355 ROUTE 85
COLCHESTER, CT 06415
NEW LONDON COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
	VZWSMART			

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	SITE PRO 1	PRK-SFS	SUPPORT RAIL REINFORCEMENT KIT	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1	PERFECT VISION	PV-XP-ST	SQUARE TUBE CROSSOVER PLATE	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION
1	-	-	48" LONG, P2.0 STD PIPE	GALVANIZED

NOTE: ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE

CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM

METROSITE FABRICATORS, LLC

CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM

PERFECTVISION

CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM

SABRE INDUSTRIES, INC.

CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM

SITE PRO 1

CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTE: WHEN SPECIFIED, VZWSMART KITS SHALL BE REQUIRED AND WILL BE VERIFIED DURING THE DESKTOP PMI

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STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
LIC. NO. 33733
MASER CONSULTING
PROFESSIONAL ENGINEER
06/11/2021

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SITE NAME:
COLCHESTER 2 CT - ATC
MONOPOLE
468035

355 ROUTE 85
COLCHESTER, CT 06415
NEW LONDON COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: S-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

DESIGN LOADS

WIND LOADS

a. BASIC WIND SPEED (3 SECOND GUST), V = 122 MPH

b. EXPOSURE CATEGORY B

c. TOPOGRAPHIC CATEGORY 1

d. MEAN BASE ELEVATION (AMSL) = 557.74'

ICE LOADS

a. ICE WIND SPEED (3 SECOND GUST), V = 50 MPH

b. ICE THICKNESS = 1.00 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_S = .205

c. LONG TERM MCER GROUND MOTION, S_1 = .055

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO PETER.ALBANO@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
9. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

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SCALE :	JOB NUMBER :
AS SHOWN	21777428A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
0	06/11/2021	ISSUED FOR CONSTRUCTION	JRF	PMA

STATE OF CONNECTICUT DEJIAN XU No. 33733 LICENSED PROFESSIONAL ENGINEER

06/11/2021

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

COLCHESTER 2 CT - ATC
MONOPOLE
468035

355 ROUTE 85
COLCHESTER, CT 06415
NEW LONDON COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :
MODIFICATION NOTES

SHEET NUMBER :
S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

MI CHECKLIST	
CONSTRUCTION/ INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY EOR)	REPORT ITEM
PRE-CONSTRUCTION	
X	MI CHECKLIST DRAWING
X	EOR APPROVED SHOP DRAWINGS
NA	FABRICATION INSPECTION
NA	FABRICATOR CERTIFIED WELD INSPECTION
X	MATERIAL TEST REPORT (MTR)
NA	FABRICATOR NDE INSPECTION
X	PACKING SLIPS
ADDITIONAL TESTING AND INSPECTIONS:	
CONSTRUCTION	
X	CONSTRUCTION INSPECTIONS
NA	CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS
X	ON SITE COLD GALVANIZING VERIFICATION
X	GC AS-BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	
POST-CONSTRUCTION	
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)
X	VZW PMI DOCUMENTS
X	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTE: X DENOTES A DOCUMENT REQUIRED FOR THE MI REPORT
NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT

THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, NOR DOES THE MI INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PURCHASE ORDER (PO) IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MI INSPECTOR

THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS

THE MI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GC INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE MI REPORT TO EOR.

GENERAL CONTRACTOR

THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MI INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
- BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS

THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MI CHECKLIST.

RECOMMENDATIONS

THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:

- IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.
- THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RE-TENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW THE FOUNDATION AND MI INSPECTION(S) TO COMMENCE WITH ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

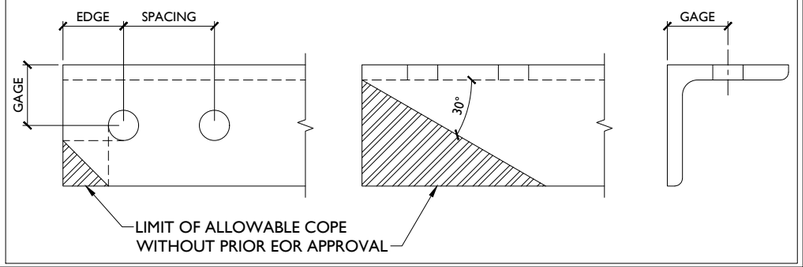
REQUIRED PHOTOS

BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:

- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - FOUNDATION MODIFICATIONS
  - WELD PREPARATION
  - BOLT INSTALLATION
  - FINAL INSTALLED CONDITION
  - SURFACE COATING REPAIR
- POST CONSTRUCTION PHOTOGRAPHS
  - FINAL INFIELD CONDITION

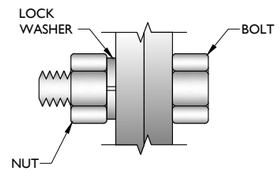
PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

ALLOWABLE COPING



BOLT SCHEDULE (IN.)				
BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)	
LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

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SCALE : AS SHOWN | JOB NUMBER : 21777428A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	06/11/2021	ISSUED FOR CONSTRUCTION	JRF	PMA

STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
LICENSE NO. 33733
MASER CONSULTING
LICENSED PROFESSIONAL ENGINEER
06/11/2021

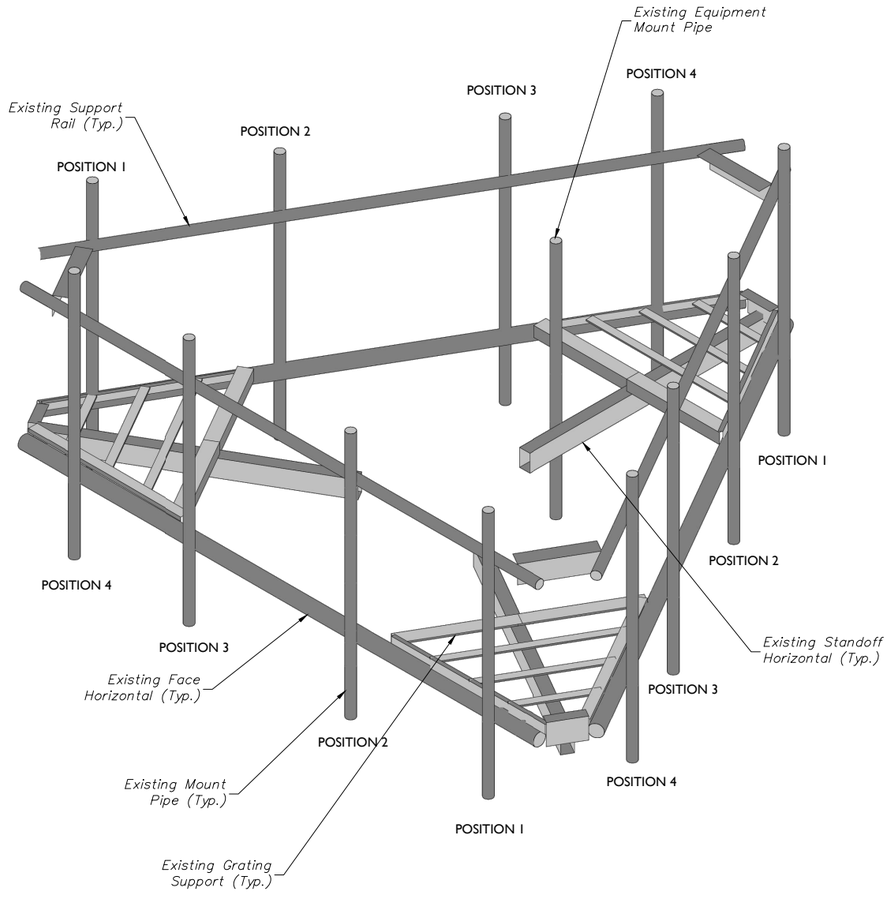
SITE NAME:
COLCHESTER 2 CT - ATC
MONOPOLE
468035
355 ROUTE 85
COLCHESTER, CT 06415
NEW LONDON COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : MODIFICATION NOTES

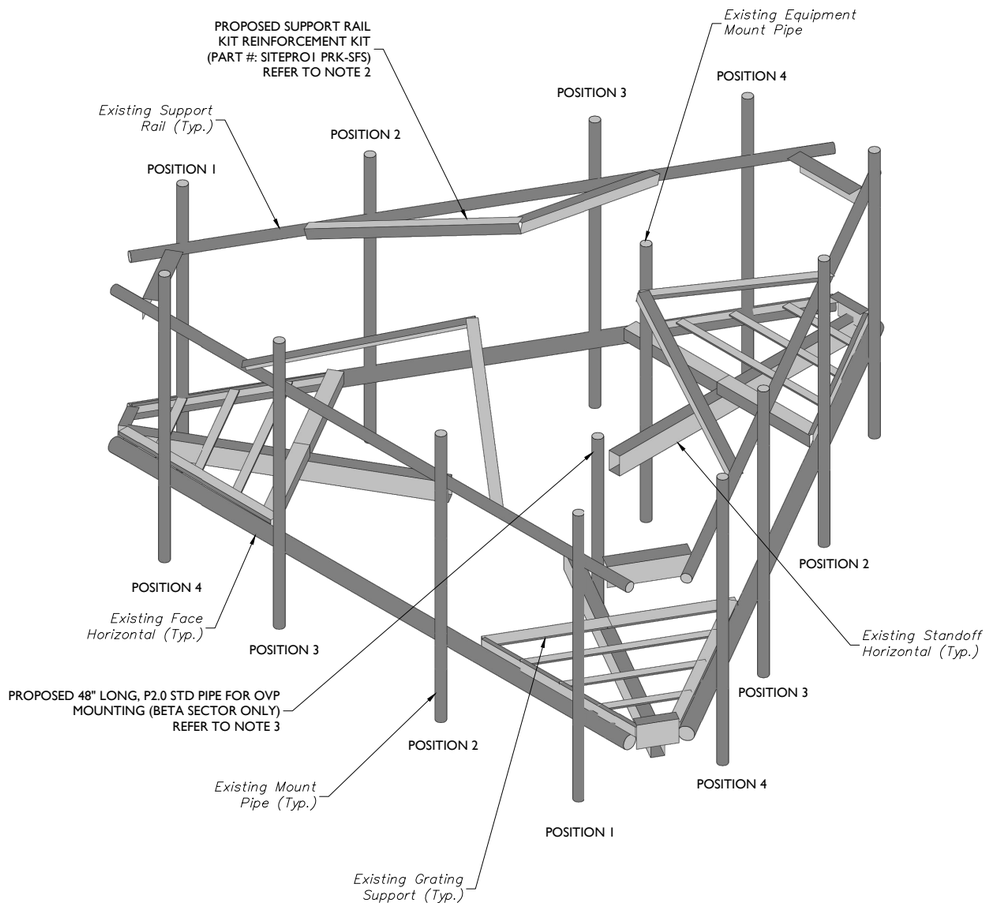
SHEET NUMBER : S-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY RKS DESIGN & ENGINEERING LLC ON 3/27/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (161'-9") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.

2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.

2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.

3. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: PERFECT VISION PV-XP-ST, OR EOR APPROVED EQUAL).

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STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
LIC. NO. 33733
MASER CONSULTING CONNECTICUT
06/11/2021

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SITE NAME:
COLCHESTER 2 CT - ATC
MONOPOLE
468035

355 ROUTE 85
COLCHESTER, CT 06415
NEW LONDON COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
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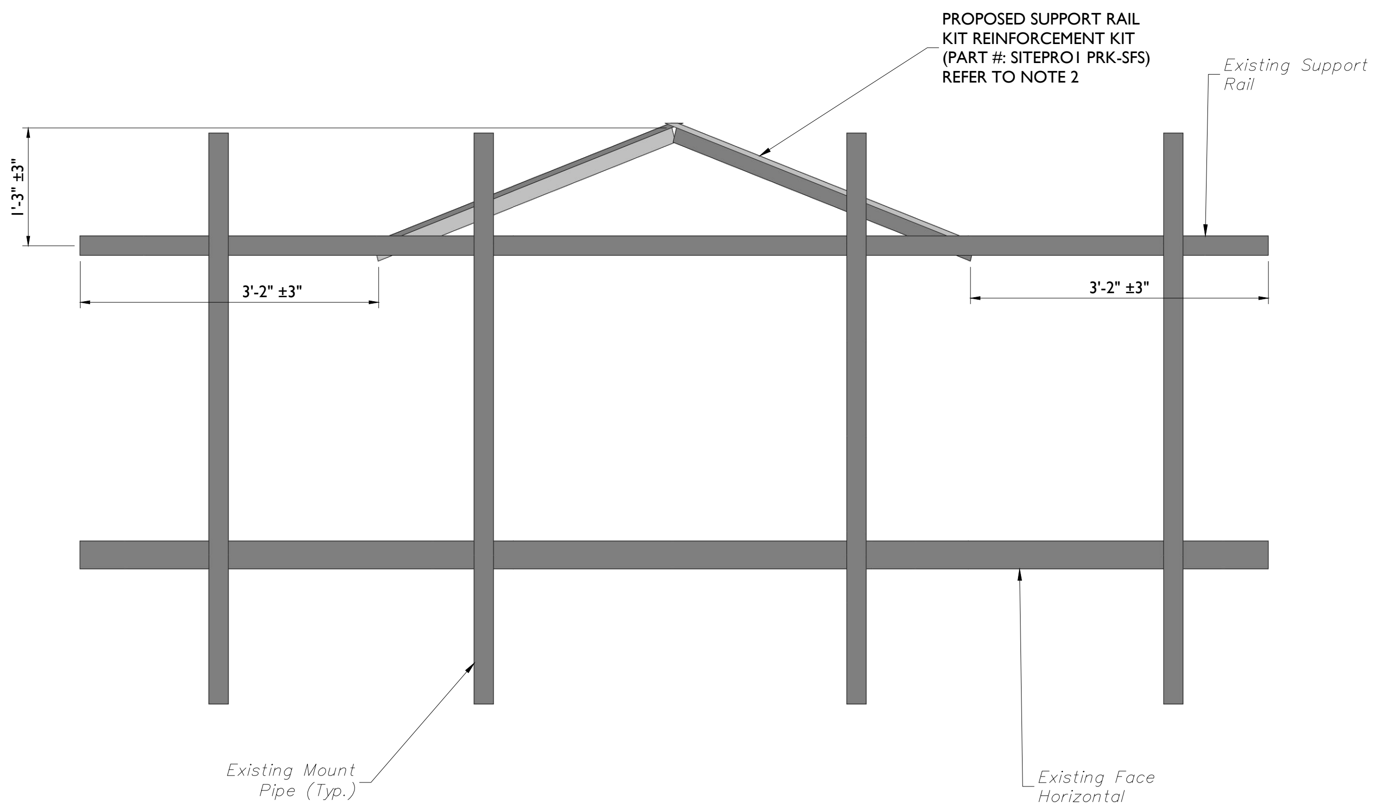
Fax: 856.722.1120

SHEET TITLE : MODIFICATION DETAILS

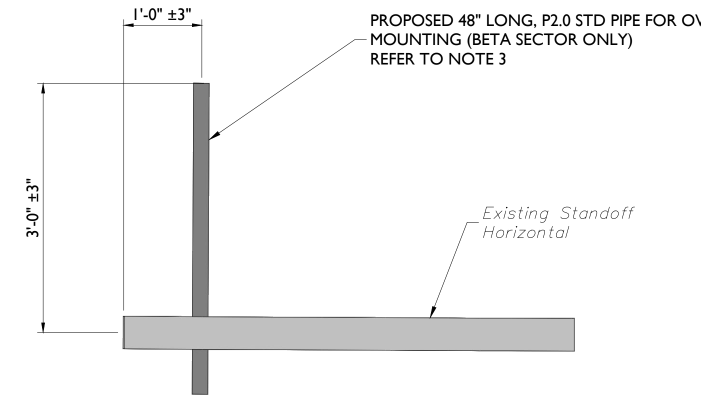
SHEET NUMBER : S-4

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



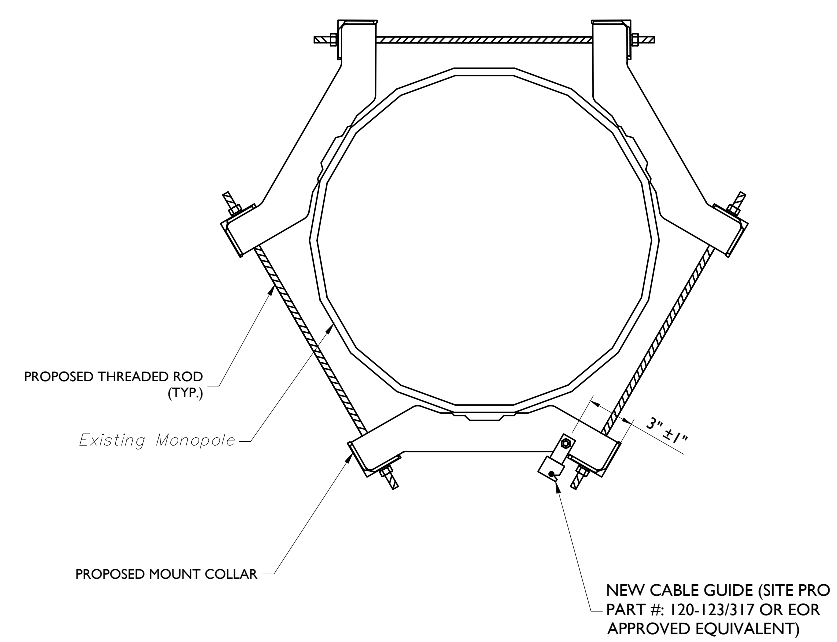
1 PROPOSED FRONT ELEVATION VIEW (TYP. EACH SECTOR)

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW FOR OVP MOUNTING (BETA SECTOR ONLY)

SCALE : N.T.S.



3 PROPOSED SAFETY CLIMB DETAIL

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: PERFECT VISION PV-XP-ST, OR EOR APPROVED EQUAL).

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AS SHOWN	21777428A

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-	-	-	-	-
-	-	-	-	-
0	06/11/2021	ISSUED FOR CONSTRUCTION	JRF	PMA

STATE OF CONNECTICUT DEJIAN XU No. 33733 LICENSED PROFESSIONAL ENGINEER
06/11/2021

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SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-5

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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LOCAL FIELD OFFICE
LICENSED PROFESSIONAL ENGINEER
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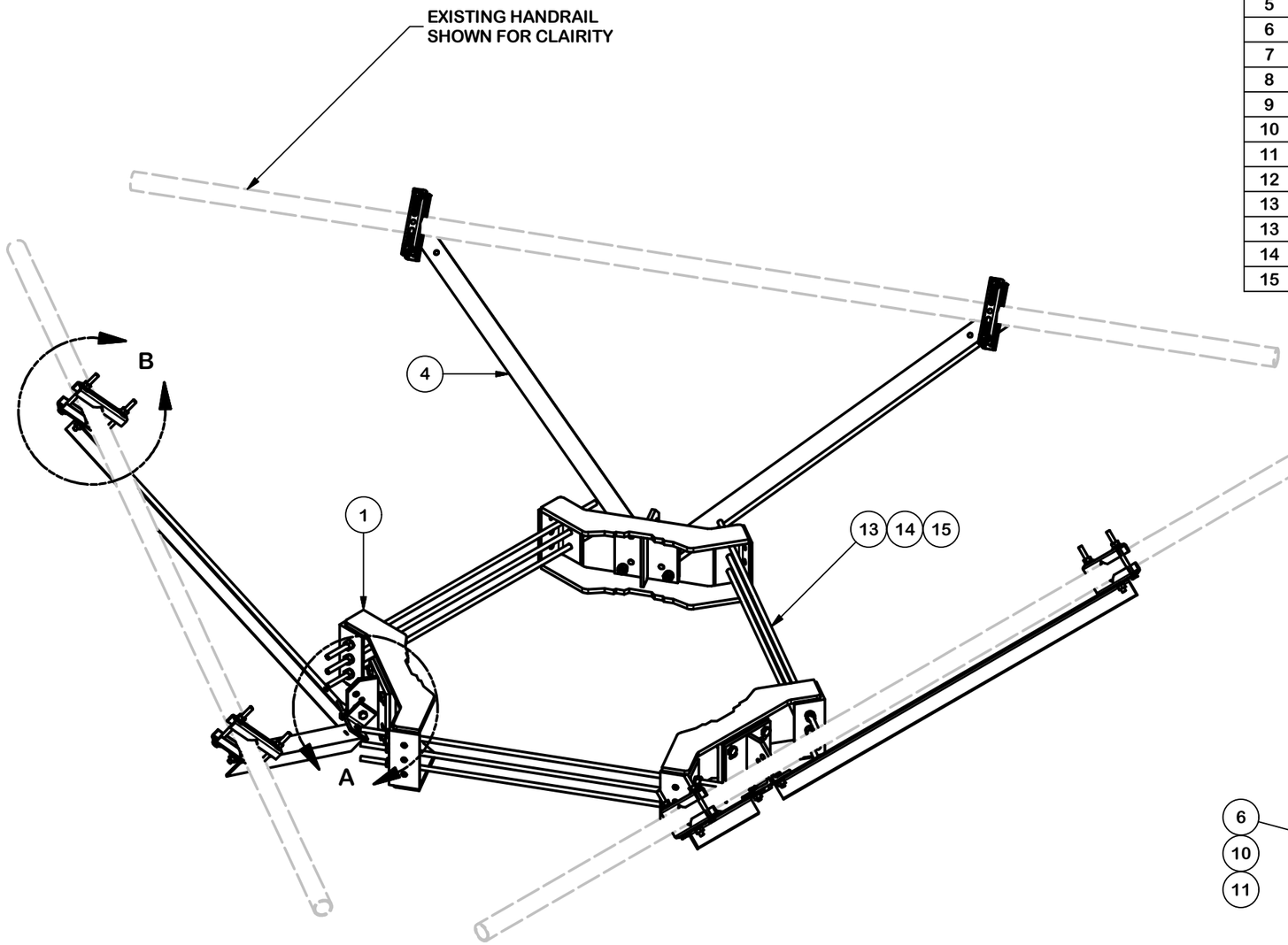
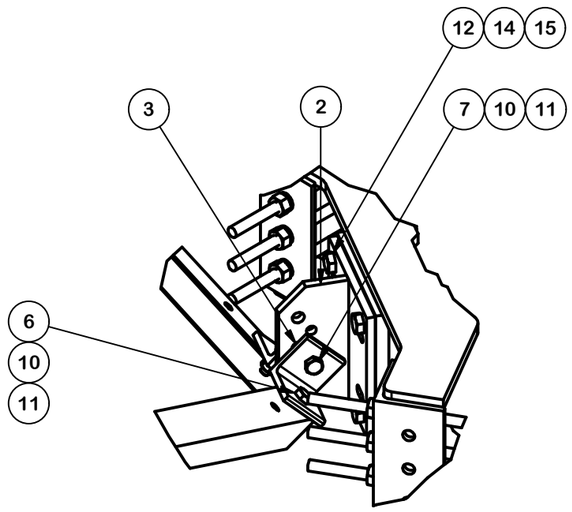
SHEET TITLE :
MOUNT PHOTOS

SHEET NUMBER :
S-6

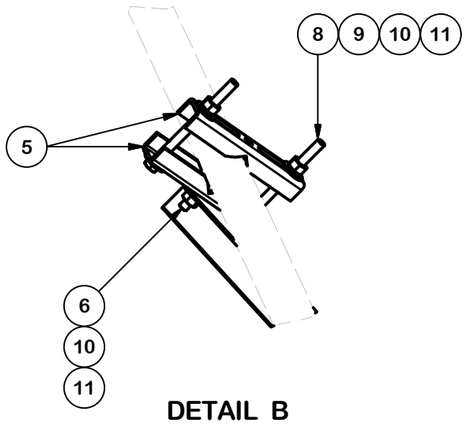
NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	X-LWRM	RING MOUNT WELDMENT		68.81	206.42
2	3	X-TBW	T-BRACKET WELDMENT		13.60	40.80
3	6	SHCM-T	CHAIN MOUNT TIGHTENER BRACKET	3 in	1.86	11.15
4	6	X-232697	TRPD-HD DIAGONAL ANGLE - SITE PRO 1	52 1/2 in	14.35	86.08
5	12	X-STU	STIFF ARM CHANNEL BRACKET	8 1/2 in	1.37	16.46
6	12	G12112	1/2" x 1-1/2" HDG HEX BOLT GR5	1/2 in	0.15	1.77
7	3	G12212	1/2" x 2-1/2" HDG HEX BOLT GR5	2 1/2 in	0.20	0.61
8	12	G12065	1/2" x 6-1/2" HDG HEX BOLT GR5 FULL THREAD	6 1/2 in	0.41	4.91
9	24	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.82
10	27	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.38
11	27	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	1.93
12	12	A582114	5/8" x 2-1/4" HDG A325 HEX BOLT	2 1/4 in	0.31	3.75
13	9	G58R-24	5/8" x 24" THREADED ROD (HDG.)	24 in	0.40	3.59
13	9	G58R-48	5/8" x 48" THREADED ROD (HDG.)	48 in	0.40	3.59
14	30	G58LW	5/8" HDG LOCKWASHER		0.03	0.78
15	30	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	3.90
					TOTAL WT. #	587.71





DETAIL A



DETAIL B

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	CHANGED MAX. DIA. FOR HANDRAIL CONNECTION	SP1	BC	10/23/2017

REVISION HISTORY

DESCRIPTION: HANDRAIL REINFORCEMENT KIT

SITE PRO 1 — A valmont COMPANY

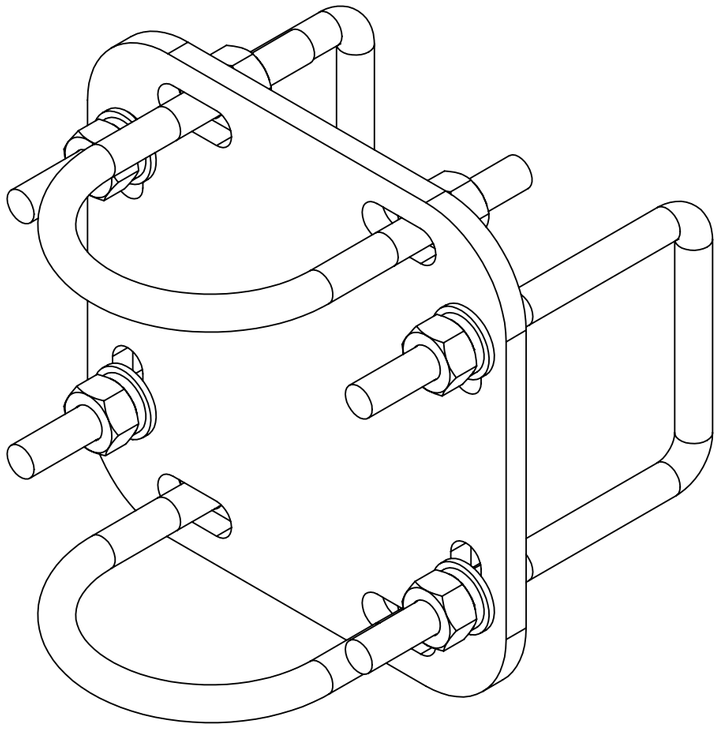
Engineering Support Team:
1-888-753-7446

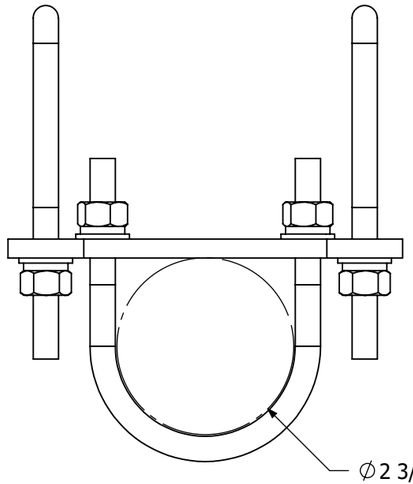
Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

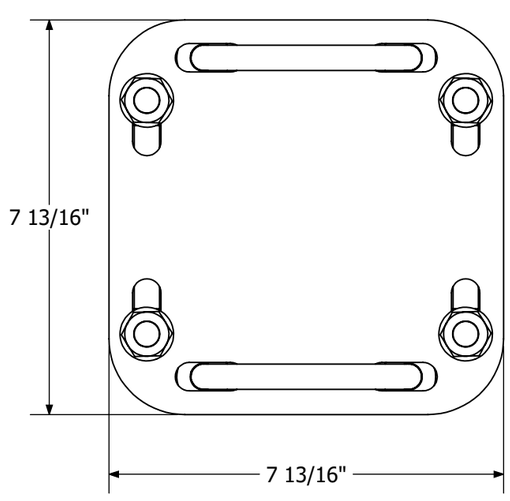
CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
SP1	CSL3 2/23/2017	3RD PARTY	PRK-SFS	1 OF 3

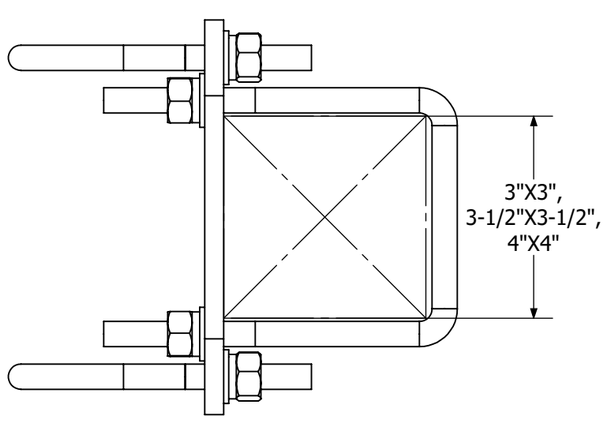
CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	02	SHOP	BMC 3/16/2017	PRK-SFS

PV-XP-ST
SQUARE TUBE TO ROUND PIPE CROSSOVER









PV-XP-ST
SQUARE TUBE TO ROUND PIPE CROSSOVER
WEIGHT: SEE TABLE 1

Table 1: Crossover Configurations

Part Number	Square Tube	Round Pipe	Weight (lbs)
PV-XP-30ST20	3"	NPS 2 (2-3/8" OD)	10
PV-XP-30ST25	3"	NPS 2-1/2 (2-7/8" OD)	10
PV-XP-30ST30	3"	NPS 3 (3-1/2" OD)	10
PV-XP-35ST20	3-1/2"	NPS 2 (2-3/8" OD)	10
PV-XP-35ST25	3-1/2"	NPS 2-1/2 (2-7/8" OD)	10
PV-XP-35ST30	3-1/2"	NPS 3 (3-1/2" OD)	10
PV-XP-40ST20	4"	NPS 2 (2-3/8" OD)	10
PV-XP-40ST25	4"	NPS 2-1/2 (2-7/8" OD)	10
PV-XP-40ST30	4"	NPS 3 (3-1/2" OD)	10

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16101 La Grande Dr.
Little Rock, AR 72223
1-800-205-8620

STAMP:

REVISIONS:

NO.	DATE	DESCRIPTION	BY	CHK	APD
0	9/27/16	INITIAL RELEASE	DJN	AM	SS
1					
2					
3					
4					
5					

SITE INFORMATION:

DESIGN TYPE:
SQUARE TUBE CROSSOVER PLATE

SHEET TITLE:
ENGINEERING DETAIL

SHEET TITLE:	REVISION:
E-1	0

Site Name: ***COLCHESTER S 2 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	628	2511	163	0.0034	0.5007	0.68%
VZW Cellular	874	4	725	2902	163	0.0039	0.5827	0.67%
VZW PCS	1977.5	4	1480	5919	163	0.0080	1.0000	0.80%
VZW AWS	2120	4	1450	5802	163	0.0079	1.0000	0.79%
VZW CBAND	3730.08	4	6531	26125	163	0.0354	1.0000	3.54%

Total Percentage of Maximum Permissible Exposure 6.48%

*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

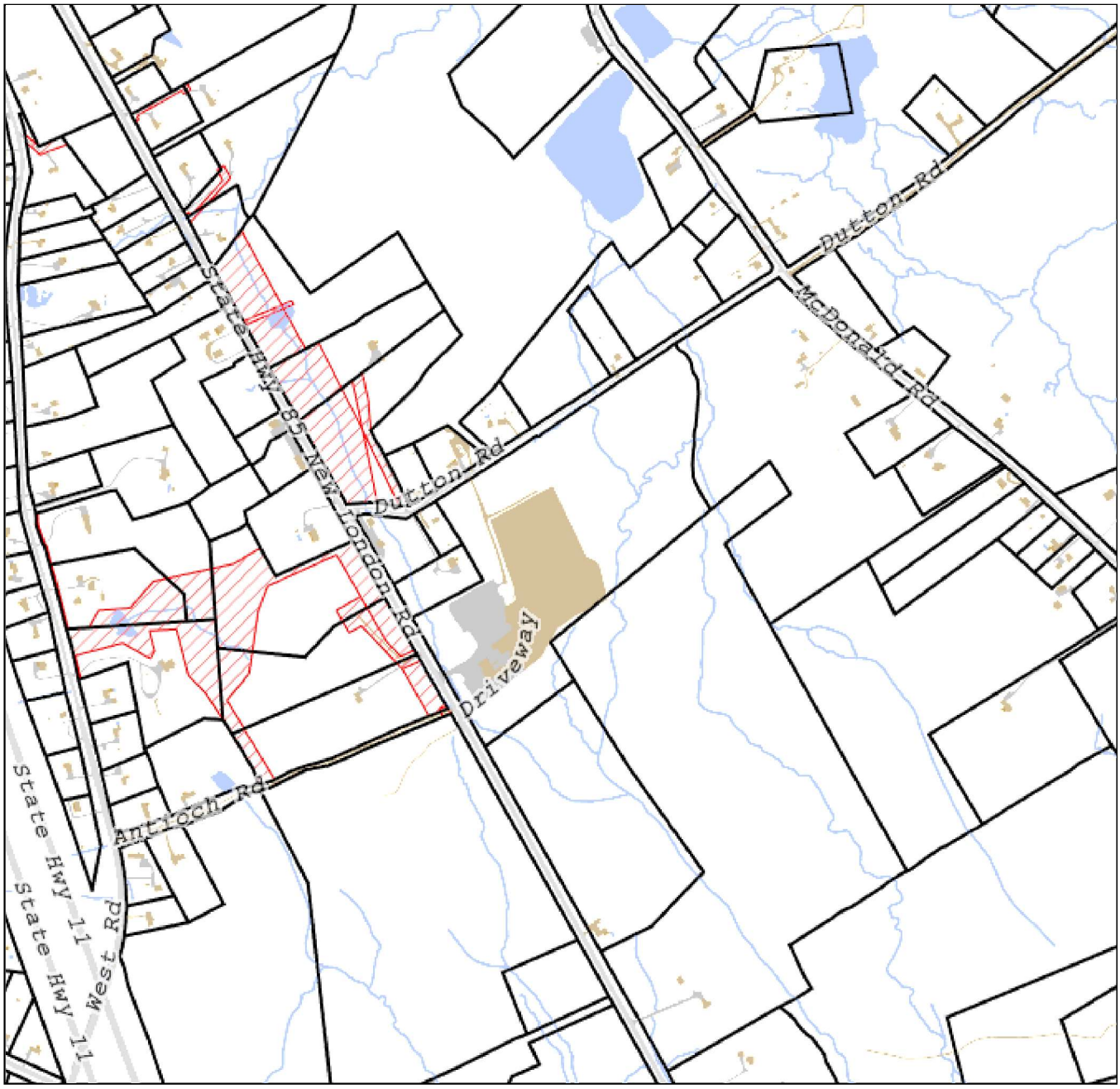
MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power

Absolute worst case maximum values used.

Town of Colchester

Geographic Information System (GIS)

Date Printed: 7/12/2021



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 Colchester and its mapping contractors assume no legal responsibility for the information contained herein.

Approximate Scale: 1 inch = 800 feet

0 800 Feet

N W E S

Town of Colchester, CT

Property Report

Map Block Lot **02-08/003-000** | PID **3051** | Building # **1** | Section # **1** | Account **M0062200**

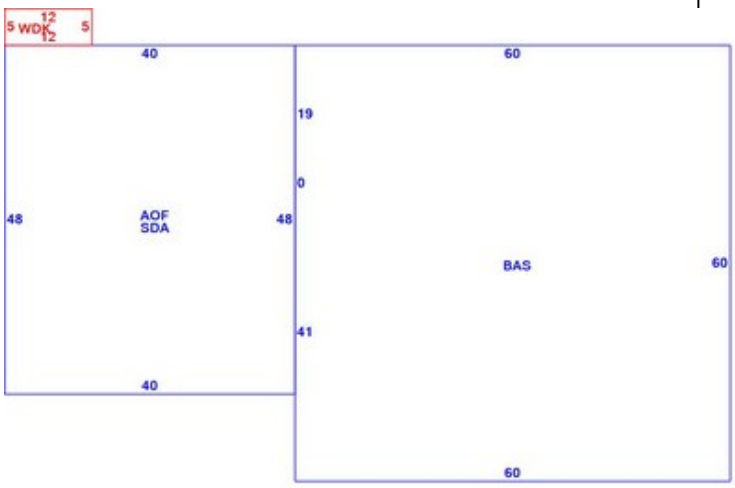
Property Information

Property Location	355 NEW LONDON RD
Owner	M+J AUTO RECYCLING INC
Co-Owner	na
Mailing Address	PO BOX 908 COLCHESTER CT 06415
Land Use	3320 Auto Repr
Land Class	C
Zoning Code	R60
Census Tract	

Neighborhood	
Acreage	36.1
Utilities	UNKNOWN
Lot Setting/Desc	UNKNOWN UNKNOWN
Additional Info	

Photo

Sketch



Primary Construction Details

Year Built	1981
Stories	2
Building Style	Service Shop
Building Use	Serv Station
Building Condition	
Interior Floors 1	Linoleum
Interior Floors 2	Concrete Slab
Total Rooms	0
Basement Garages	
Occupancy	1.00
Building Grade	

Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Bath Style	
Kitchen Style	
Roof Style	Gable
Roof Cover	Metal/Tin
AC Type	Central
Fireplaces	0

Exterior Walls	Pre-finsh Metl
Exterior Walls 2	NA
Interior Walls	Wall Brd/Wood
Interior Walls 2	NA
Heating Type	Forced Air-Duc
Heating Fuel	Gas
Sq. Ft. Basement	
Fin BSMT Quality	
Extra Kitchens	

Report Created On **8/12/2021**

Town of Colchester, CT

Property Report | Map Block Lot **02-08/003-000** | PID **3051** | Building # **1** | Section # **1** | Account **M0062200**

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	354000	247800
Extras	0	0
Improvements		
Outbuildings	114000	79900
Land	562400	393700
Total	1030400	721400

Outbuilding and Extra Features

Type	Description
Paving Asphalt	45000 S.F.
Fence 6' Chain	300 L.F.
Lights (1)	4 UNITS
Lights (2)	1 UNITS
Shed Metal	1600 S.F.
3000-10000 GAL	1 GALS

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Office	1920	1920
First Floor	3600	3600
Store Display Area	1920	1920
Wood Deck	60	0
Total Area		7440

Sales History

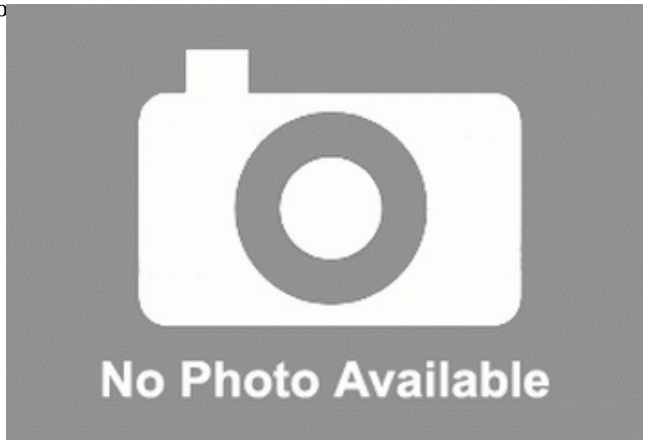
Owner of Record	Book/ Page	Sale Date	Sale Price
M+J AUTO RECYCLING INC	0309/0212	9/21/1992	0

Report Created On **8/12/2021**

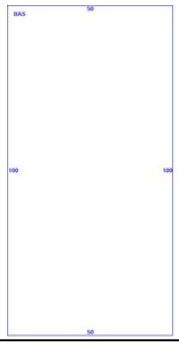
Town of Colchester, CT

Property Report | Map Block Lot 02-08/003-000 | PID 3051 | Building # 2 | Section # 1 | Account M0062200

Photo



Sketch



Primary Construction Details

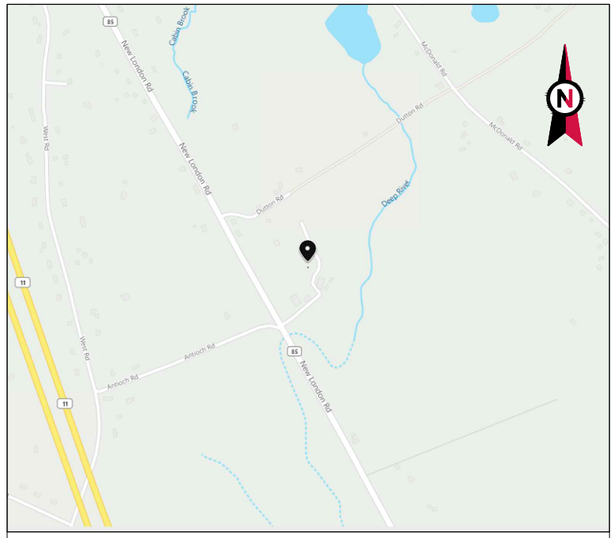
Year Built	2009	Bedrooms	0	Exterior Walls	Pre-finsh Metl
Stories	1	Full Bathrooms	0	Exterior Walls 2	NA
Building Style	Warehouse	Half Bathrooms	0	Interior Walls	Minimum
Building Use	Commercial	Extra Fixtures	0	Interior Walls 2	NA
Building Condition		Bath Style		Heating Type	None
Interior Floors 1	Concrete Slab	Kitchen Style		Heating Fuel	Coal or Wood
Interior Floors 2	NA	Roof Style	Gable	Sq. Ft. Basement	
Total Rooms	1	Roof Cover	Asphalt	Fin BSMT Quality	
Basement Garages		AC Type	None	Extra Kitchens	
Occupancy	1.00	Fireplaces	0		
Building Grade					

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	5000	5000

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area		5000

Report Created On



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: COLCHESTER CT 6
ATC SITE NUMBER: 302465
VERIZON SITE NAME: COLCHESTER SO II CT
VERIZON SITE NUMBER: 468035
SITE ADDRESS: 355 ROUTE 85
COLCHESTER, CT 06415

LOCATION MAP

VERIZON ANTENNA AMENDMENT PLAN

COMPLIANCE CODE

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

1. 2015 INTERNATIONAL BUILDING CODE (IBC)
2. 2017 NATIONAL ELECTRIC CODE (NEC)
3. 2018 CONNECTICUT STATE BUILDING CODE
4. CITY/COUNTY ORDINANCES

UTILITY COMPANIES

POWER COMPANY: EVER SOURCE
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:

355 ROUTE 85

COLCHESTER, CT 06415

COUNTY: NEW LONDON

GEOGRAPHIC COORDINATES:

LATITUDE: 41.54481944

LONGITUDE: -72.30489167

GROUND ELEVATION: 559' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS

ENGINEER:

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

PROPERTY OWNER:

M & J AUTO RECYCLING INC
355 ROUTE 85
COLCHESTER, CT 06415

PROJECT DESCRIPTION

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

REINFORCE/MODIFY EXISTING MOUNT PER MASER CONSULTING CONNECTICUT MOUNT MODIFICATION DRAWING DATED JUNE 11, 2021

INSTALL (3) ANTENNA(s), (3) DIPLEXER(s)

EXISTING (6) ANTENNA(s), (6) RRU(s), (3) OVP(s), (2) 6X12

HYBRIFLEX TO REMAIN

AC ELECTRICAL POWER DESIGN TO BE PERFORMED BY OTHERS

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 NEW LONDON. TAKE I 395 NORTH TO RT 2 WEST. FOLLOW RT WEST TO RT 85 SOUTH. FOLLOW RT 2 SOUTH TO DUTTON RD. TURN ON TO DUTTON RD AND ROAD GATE ON RIGHT.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	06/28/21	JLS
G-002	GENERAL NOTES	0	06/28/21	JLS
C-101	DETAILED SITE PLAN	0	06/28/21	JLS
C-201	TOWER ELEVATION	0	06/28/21	JLS
C-401	ANTENNA INFORMATION & SCHEDULE	0	06/28/21	JLS
C-501	CONSTRUCTION DETAILS	0	06/28/21	JLS
E-501	GROUNDING DETAILS	0	06/28/21	JLS
R-601	SUPPLEMENTAL			
R-602	SUPPLEMENTAL			
R-603	SUPPLEMENTAL			
R-604	SUPPLEMENTAL			

AMERICAN TOWER®

telamon CLS

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

REV.	DESCRIPTION	BY	DATE
A	PRELIM	ASO	05/27/21
0	PRELIM	JLS	06/28/21

ATC SITE NUMBER:
302465

ATC SITE NAME:
COLCHESTER CT 6

VERIZON SITE NAME:
COLCHESTER SO II CT

SITE ADDRESS:
355 ROUTE 85
COLCHESTER, CT 06415

SEAL:

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

Tyler M. Barker
CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
06/29/2021

PE# 33840 EXP: 06/30/2022

verizon

DATE DRAWN:	06/28/21
ATC JOB NO:	13668833_G3
CUSTOMER ID:	COLCHESTER SO II CT
CUSTOMER #:	468035

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	0

GENERAL CONSTRUCTION NOTES:

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

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

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

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

AMERICAN TOWER®

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

REV.	DESCRIPTION	BY	DATE
A	PRELIM	ASO	05/27/21
0	PRELIM	JLS	06/28/21

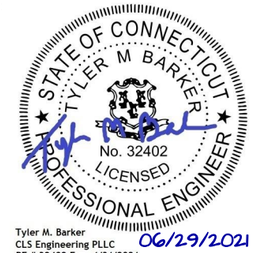
ATC SITE NUMBER:
302465

ATC SITE NAME:
COLCHESTER CT 6

VERIZON SITE NAME:
COLCHESTER SO II CT

SITE ADDRESS:
355 ROUTE 85
COLCHESTER, CT 06415

SEAL:



Tyler M. Barker
CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
06/29/2021

PE# 33840 EXP: 06/30/2022

verizon

DATE DRAWN:	06/28/21
ATC JOB NO:	13668833_G3
CUSTOMER ID:	COLCHESTER SO II CT
CUSTOMER #:	468035

GENERAL NOTES

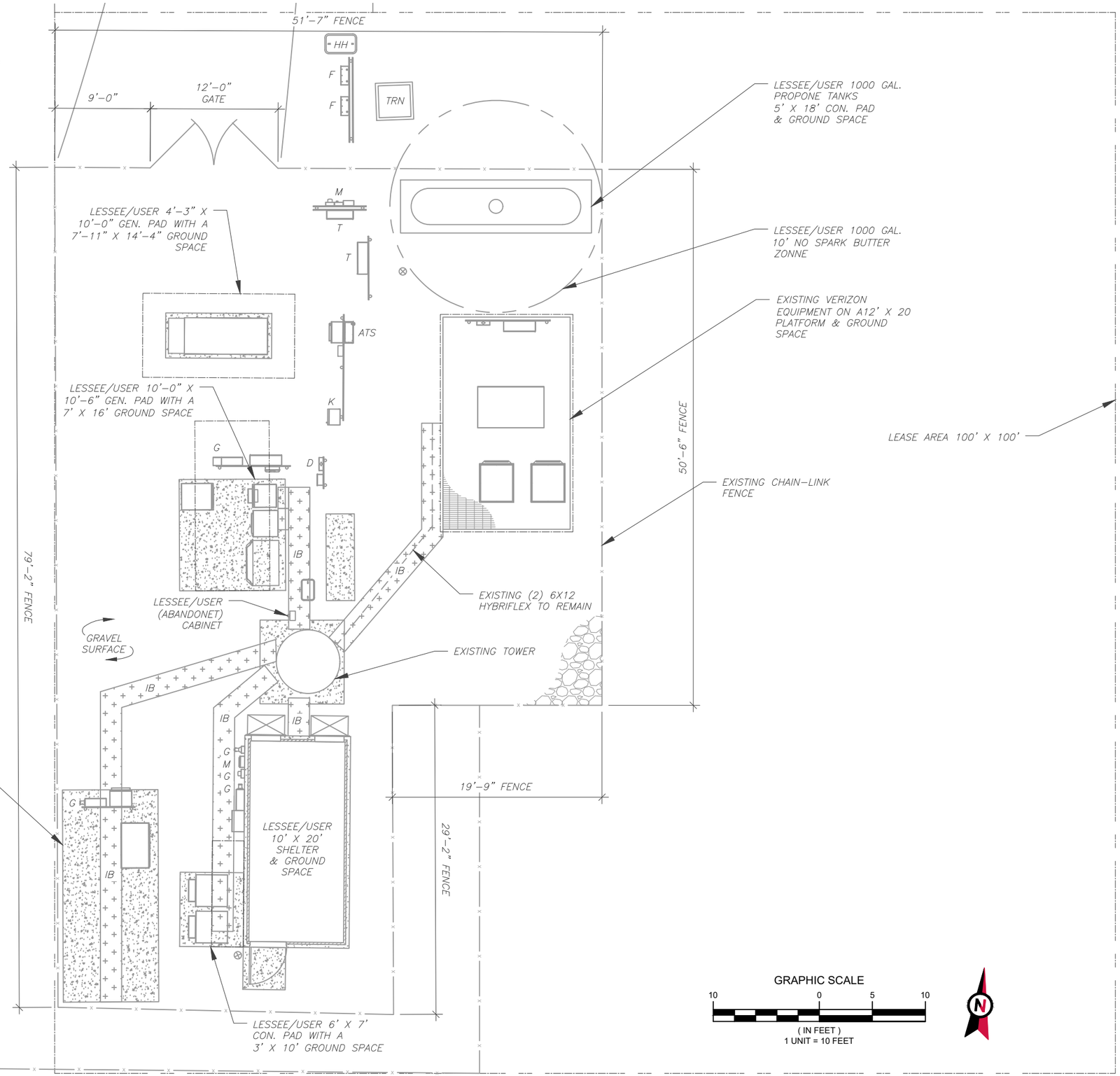
SHEET NUMBER:	REVISION:
G-002	0

SITE PLAN NOTES:

1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3. THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

LEGEND

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



PROPOSED CABLE LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **193'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	ASO	05/27/21
0	PRELIM	JLS	06/28/21

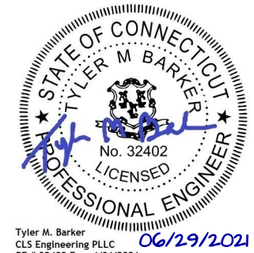
ATC SITE NUMBER:
302465

ATC SITE NAME:
COLCHESTER CT 6

VERIZON SITE NAME:
COLCHESTER SO II CT

SITE ADDRESS:
355 ROUTE 85
COLCHESTER, CT 06415

SEAL:



Tyler M. Barker
CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
06/29/2021

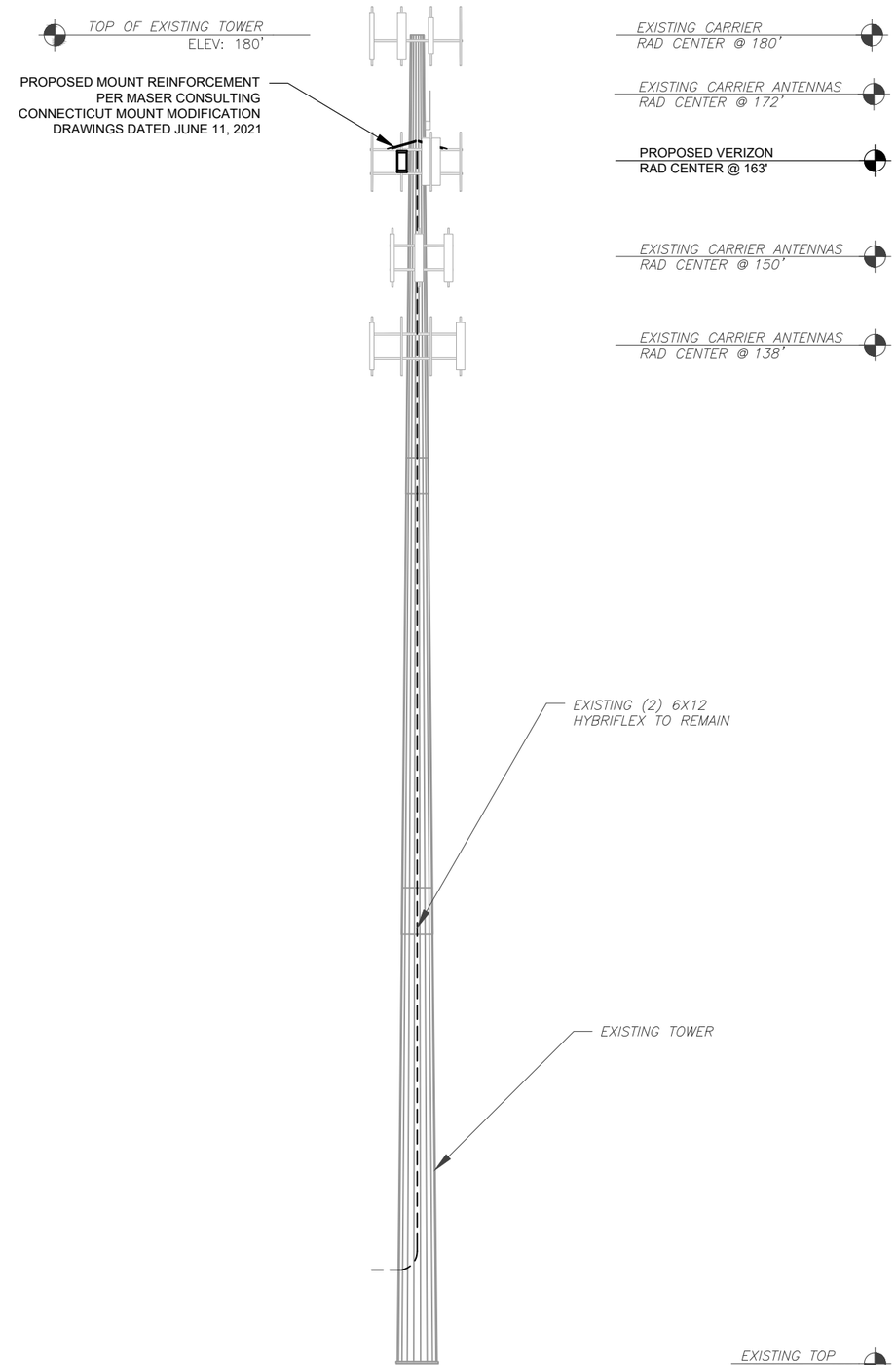
PE# 33840 EXP: 06/30/2022

verizon

DATE DRAWN:	06/28/21
ATC JOB NO:	13668833_G3
CUSTOMER ID:	COLCHESTER SO II CT
CUSTOMER #:	468035

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0



1 TOWER ELEVATION
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASTER CONSULTING CONNECTICUT, DATED JUNE 11, 2021, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT

TOWER NOTE:

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

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	ASO	05/27/21
0	PRELIM	JLS	06/28/21

ATC SITE NUMBER:
302465

ATC SITE NAME:
COLCHESTER CT 6

VERIZON SITE NAME:
COLCHESTER SO II CT

SITE ADDRESS:
355 ROUTE 85
COLCHESTER, CT 06415

SEAL:

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

Tyler M. Barker
CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
06/29/2021

PE# 33840 EXP: 06/30/2022

verizon

DATE DRAWN:	06/28/21
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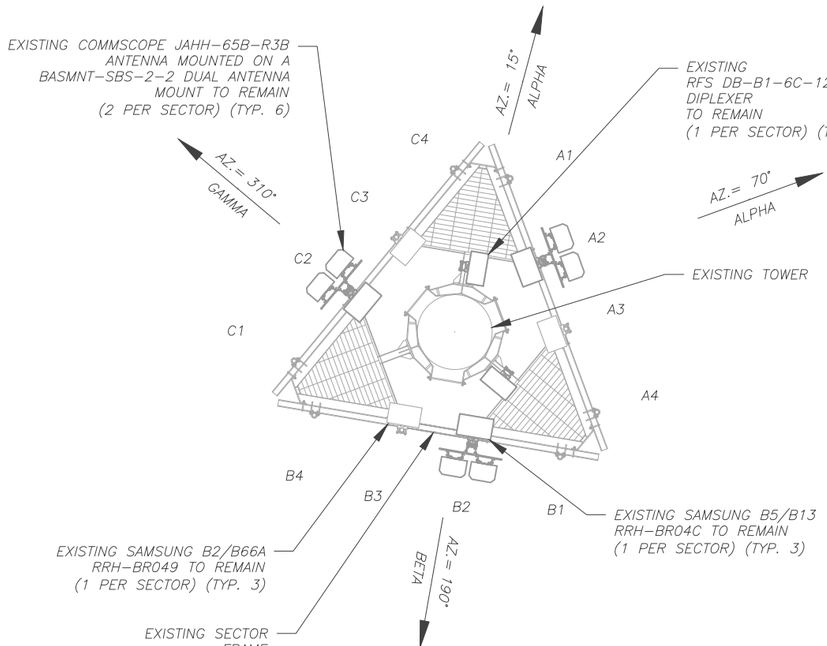
CUSTOMER ID:	COLCHESTER SO II CT
CUSTOMER #:	468035

TOWER ELEVATION

SHEET NUMBER:	REVISION:
C-201	0

EXISTING CONFIGURATIONS ARE BASED ON RFDS. CONTRACTOR TO VERIFY EXISTING CONDITIONS.

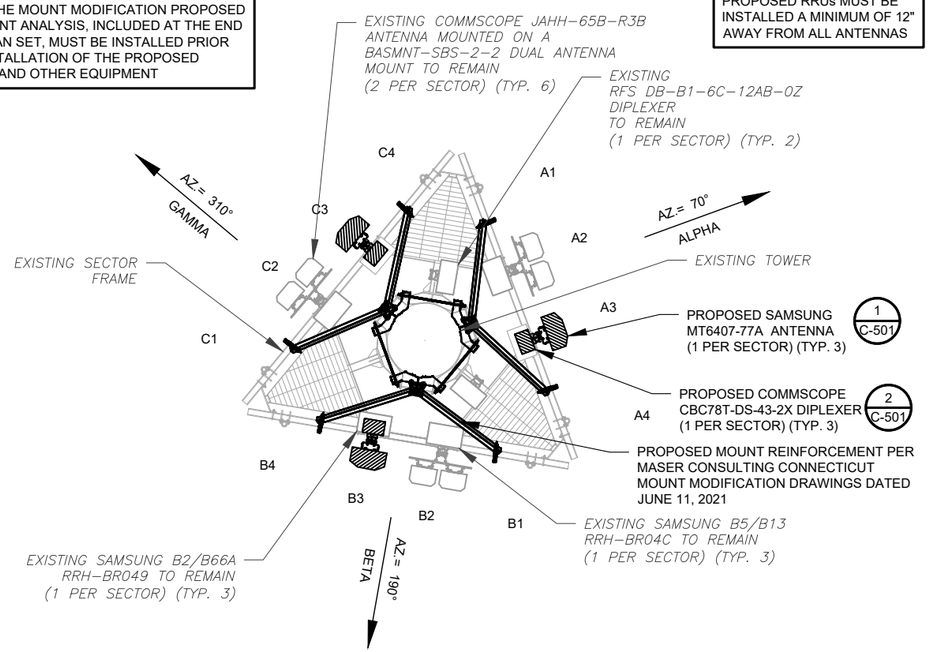


1 EXISTING ANTENNA PLAN
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASTER CONSULTING CONNECTICUT, DATED JUNE 11, 2021, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT

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

PROPOSED RRUs MUST BE INSTALLED A MINIMUM OF 12" AWAY FROM ALL ANTENNAS



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	163'	70°	A1	–	–	–	–	–	–
			A2	(2) COMMSCOPE JAHH-65B-R3B	LTE 700/ LTE 850/ LTE 1900/ LTE AWS	0/2 0/1	RMN	SAMSUNG B5/B13 RRH-BR04C	RMN
			A3	–	–	–	–	SAMSUNG B2/B66A RRH-BR049	RMN
			A4	–	–	–	–	–	–
BETA	163'	190°	B1	–	–	–	–	–	–
			B2	(2) COMMSCOPE JAHH-65B-R3B	LTE 700/ LTE 850/ LTE 1900/ LTE AWS	0/2 0/1	RMN	SAMSUNG B5/B13 RRH-BR04C	RMN
			B3	–	–	–	–	SAMSUNG B2/B66A RRH-BR049	RMN
			B4	–	–	–	–	–	–
GAMMA	163'	310°	C1	–	–	–	–	–	–
			C2	(2) COMMSCOPE JAHH-65B-R3B	LTE 700/ LTE 850/ LTE 1900/ LTE AWS	0/2 0/1	RMN	SAMSUNG B5/B13 RRH-BR04C	RMN
			C3	–	–	–	–	SAMSUNG B2/B66A RRH-BR049	RMN
			C4	–	–	–	–	–	–

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	163'	70°	A1	-	-	-	-	-	-
			A2	(2) COMMSCOPE JAHH-65B-R3B	LTE 700/ LTE 850/ LTE 1900/ LTE AWS	0/2 0/1	RMN	SAMSUNG B5/B13 RRH-BR04C	-
			A3	SAMSUNG MT6407-77A	5G L-SUB6	0/6	ADD	SAMSUNG B2/B66A RRH-BR049 COMMSCOPE CBC78T-DS-43-2X	RMN ADD
			A4	-	-	-	-	-	-
BETA	163'	190°	B1	-	-	-	-	-	-
			B2	(2) COMMSCOPE JAHH-65B-R3B	LTE 700/ LTE 850/ LTE 1900/ LTE AWS	0/2 0/1	RMN	SAMSUNG B5/B13 RRH-BR04C	-
			B3	SAMSUNG MT6407-77A	5G L-SUB6	0/6	ADD	SAMSUNG B2/B66A RRH-BR049 COMMSCOPE CBC78T-DS-43-2X	RMN ADD
			B4	-	-	-	-	-	-
GAMMA	163'	310°	C1	-	-	-	-	-	-
			C2	(2) COMMSCOPE JAHH-65B-R3B	LTE 700/ LTE 850/ LTE 1900/ LTE AWS	0/2 0/1	RMN	SAMSUNG B5/B13 RRH-BR04C	-
			C3	SAMSUNG MT6407-77A	5G L-SUB6	0/6	ADD	SAMSUNG B2/B66A RRH-BR049 COMMSCOPE CBC78T-DS-43-2X	RMN ADD
			C4	-	-	-	-	-	-

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(2) RFS DB-B1-6C-12AB-0Z	RMN	–	(2) 6X12 HYBRIFLEX	RMN
–	–	–	–	–

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(2) RFS DB-B1-6C-12AB-0Z	RMN	-	(2) 6X12 HYBRIFLEX	RMN
-	-	-	-	-

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A	PRELIM	ASO	05/27/21
0	PRELIM	JLS	06/28/21

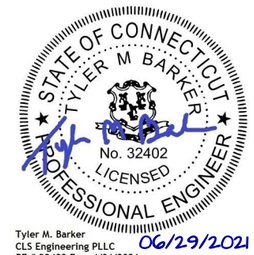
ATC SITE NUMBER:
302465

ATC SITE NAME:
COLCHESTER CT 6

VERIZON SITE NAME:
COLCHESTER SO II CT

SITE ADDRESS:
355 ROUTE 85
COLCHESTER, CT 06415

SEAL:



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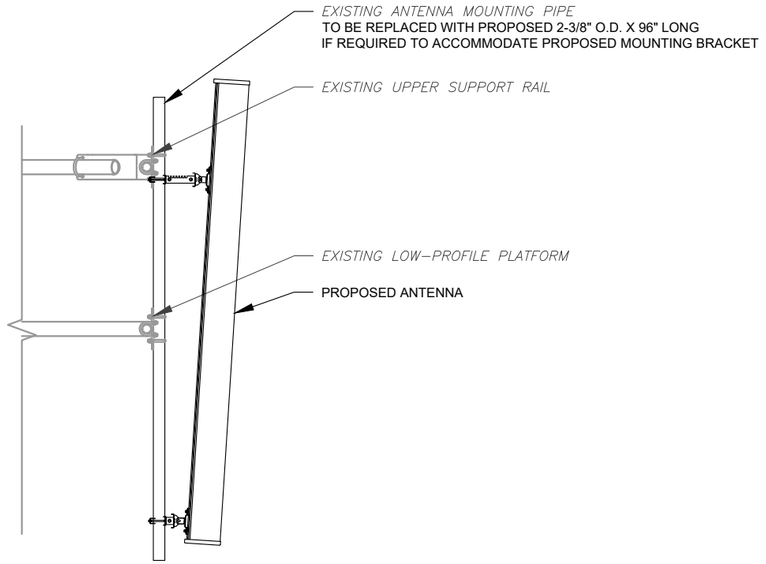
PE# 33840 EXP: 06/30/2022

verizon

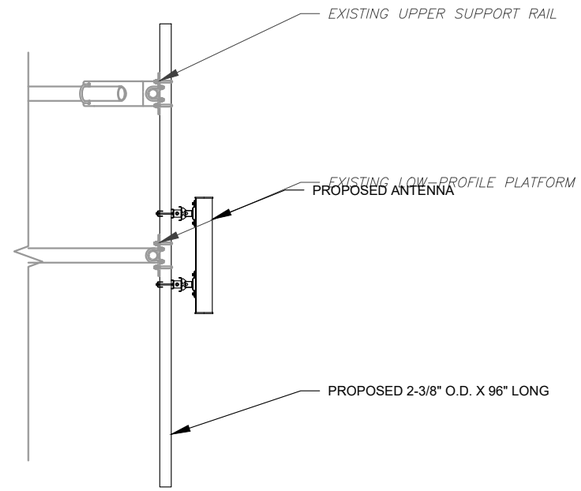
DATE DRAWN:	06/28/21
ATC JOB NO:	13668833_G3
CUSTOMER ID:	COLCHESTER SO II CT
CUSTOMER #:	468035

ANTENNA INFORMATION & SCHEDULE

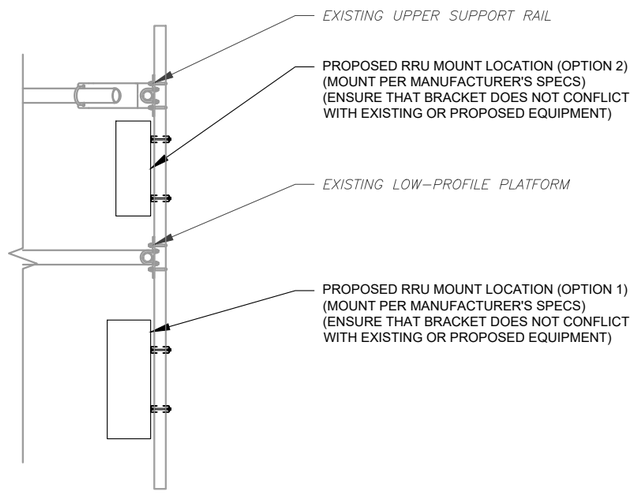
SHEET NUMBER:	REVISION:
C-401	0



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



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



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

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	ASO	05/27/21
0	PRELIM	JLS	06/28/21

ATC SITE NUMBER:
302465

ATC SITE NAME:
COLCHESTER CT 6

VERIZON SITE NAME:
COLCHESTER SO II CT

SITE ADDRESS:
355 ROUTE 85
COLCHESTER, CT 06415

SEAL:

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CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
06/29/2021

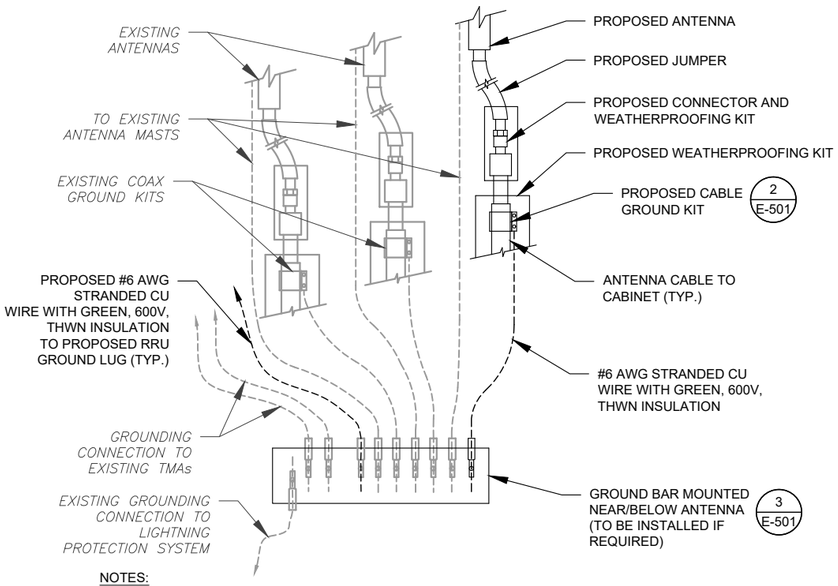
PE# 33840 EXP: 06/30/2022

verizon

DATE DRAWN:	06/28/21
ATC JOB NO:	13668833_G3
CUSTOMER ID:	COLCHESTER SO II CT
CUSTOMER #:	468035

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

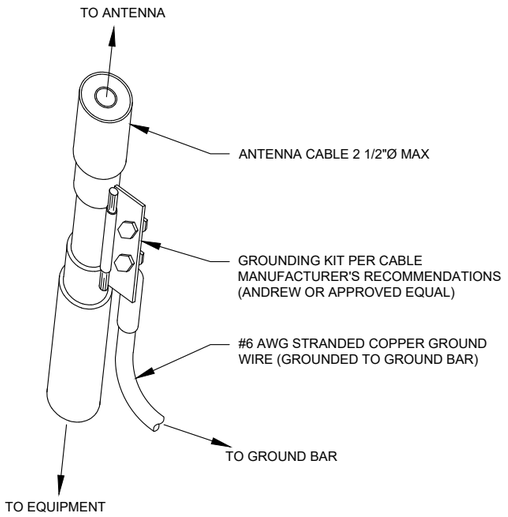


NOTES:

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

1 TYPICAL ANTENNA GROUNDING DIAGRAM

SCALE: N.T.S.

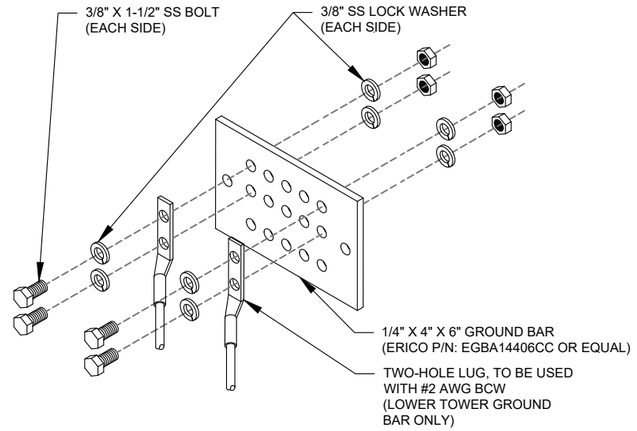


GROUND KIT NOTES:

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

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.



GROUND BAR NOTES:

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

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

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verizon

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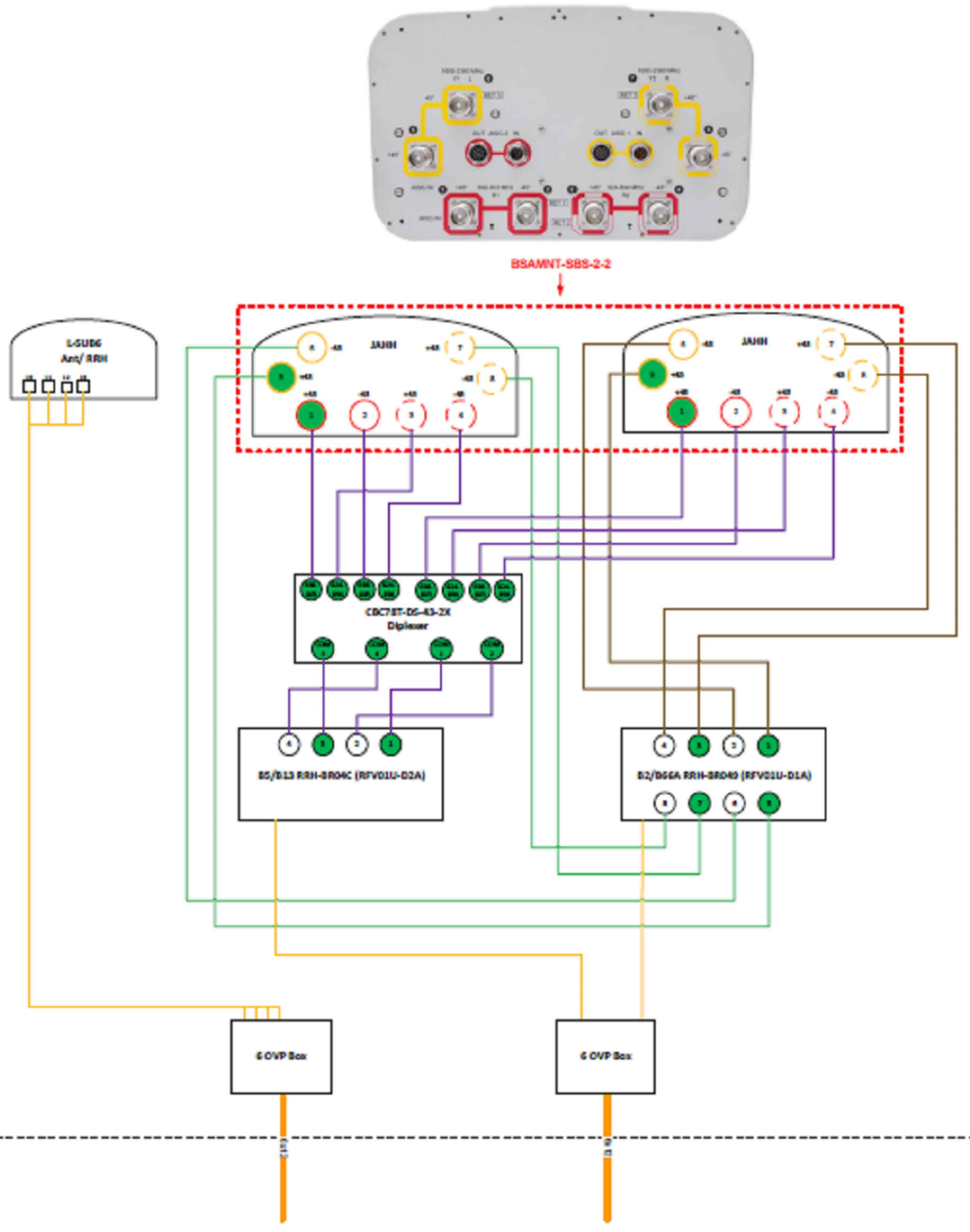
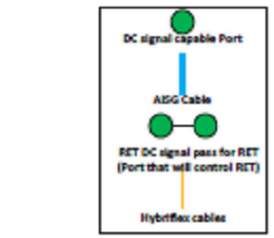
CUSTOMER #:	468035

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0



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



Comments:

Diagram shows antenna port configuration as viewed from below antennas.

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

Cap and weatherproof unused antenna ports.

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

1 ANTENNA CONFIGURATION

SCALE: NOT TO SCALE

NOTE: THIS SHEET CREATED BY OTHERS AND PROVIDED BY REQUEST OF CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

SHEET NUMBER: R-601

REVISION:

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

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MOUNT MODIFICATION DRAWINGS
EXISTING 12.58' PLATFORM

SITE NAME: COLCHESTER 2 CT - ATC MONOPOLE
SITE NUMBER: 468035

355 ROUTE 85
COLCHESTER, CT 06415
NEW LONDON COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE: 41.54482028° N
LONGITUDE: 72.30489063° W
JURISDICTION: NEW LONDON COUNTY

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS
ADDRESS: 118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP: WESTBOROUGH, MA 01581
CONTACT: ANDREW CANDIELLO
EMAIL: ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY: MASER CONSULTING
CONTACT: PETER ALBANO
PHONE: (856) 797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

SHEET INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
S-1	BILL OF MATERIALS
S-2	MODIFICATION NOTES
S-3	MODIFICATION NOTES
S-4	MODIFICATION DETAILS
S-5	MODIFICATION DETAILS
S-6	MOUNT PHOTOS
	SPECIFICATION SHEETS

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10069083
VZW LOCATION CODE (PSLC): 468035
FUZE ID: 16272107

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT
SMART TOOL PROJECT #: 10050363
MASER CONSULTING PROJECT #: 21777428A
ANALYSIS DATE: 5/4/2021

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SCALE: AS SHOWN | JOB NUMBER: 21777428A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	06/11/2021	ISSUED FOR CONSTRUCTION	JFP	PHA

STATE OF CONNECTICUT DEJIAN XU LICENSED PROFESSIONAL ENGINEER
06/11/2021

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
COLCHESTER 2 CT - ATC MONOPOLE
468035
355 ROUTE 85
COLCHESTER, CT 06415
NEW LONDON COUNTY

MT. LAUREL OFFICE

SHEET TITLE: TITLE SHEET

SHEET NUMBER: T-1

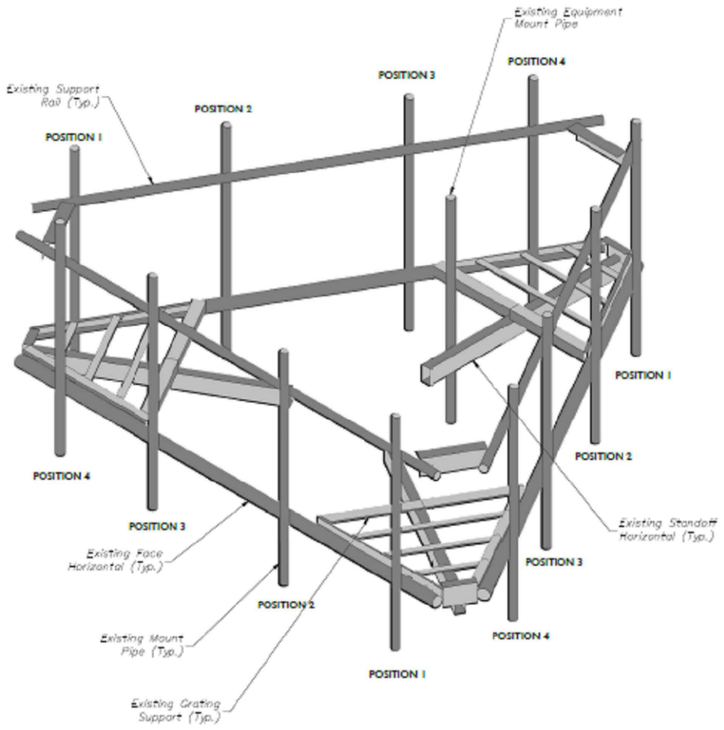
NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

1 MOUNT MODIFICATIONS

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

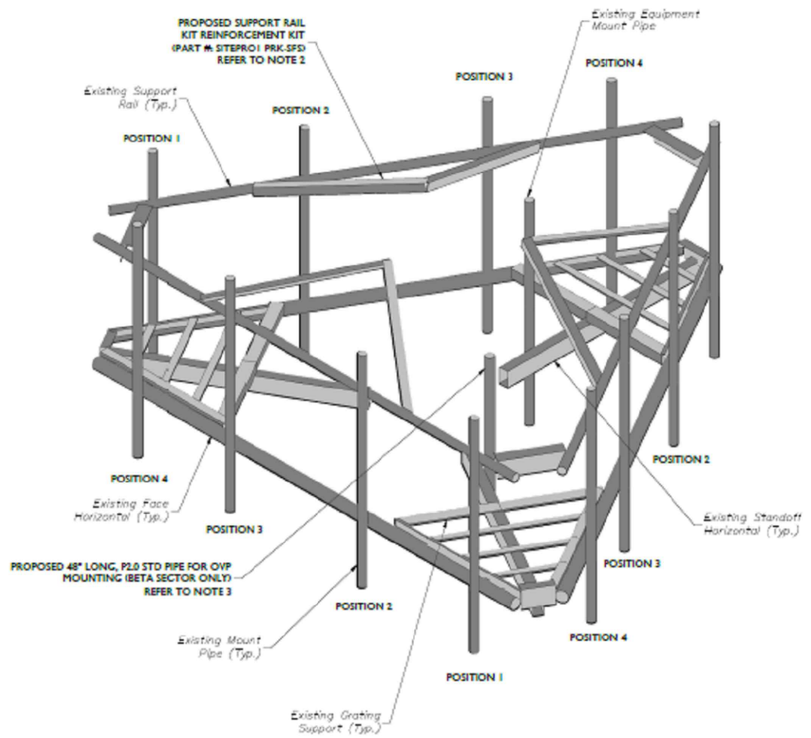
SUPPLEMENTAL

SHEET NUMBER: R-602 | REVISION: -



1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY RKS DESIGN & ENGINEERING LLC ON 3/27/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (161'-9") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: PERFECT VISION PV-XP-ST, OR EOR APPROVED EQUAL).

1 MOUNT MODIFICATIONS

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811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN | JOB NUMBER: 517774SBA

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	06/11/2021	ISSUED FOR CONSTRUCTION	JTP	PGL

STATE OF CONNECTICUT
DEJIAN XU
No. 33733
LICENSED PROFESSIONAL ENGINEER
06/11/2021

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
COLCHESTER 2 CT - ATC MONOPOLE
468035
355 ROUTE 85
COLCHESTER, CT 06415
NEW LONDON COUNTY

MT. LAUREL OFFICE
3300 Fitzpatrick Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: MODIFICATION DETAILS

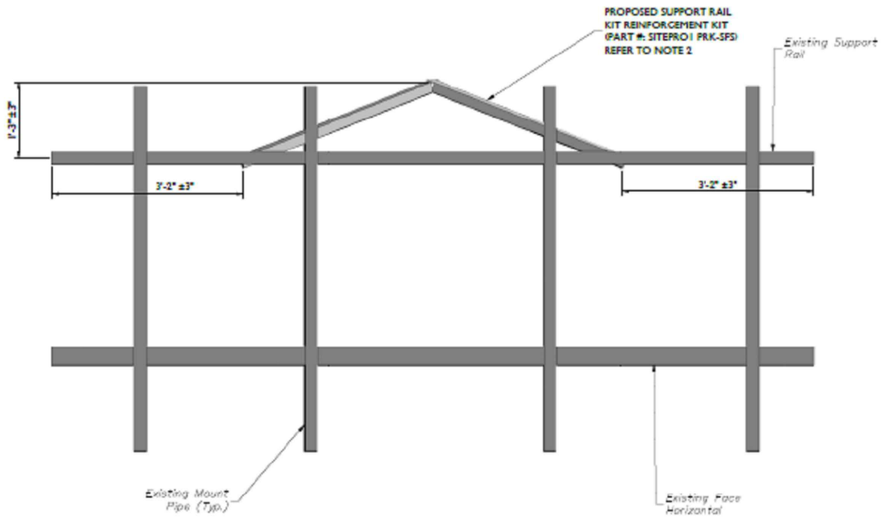
SHEET NUMBER: S-4

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

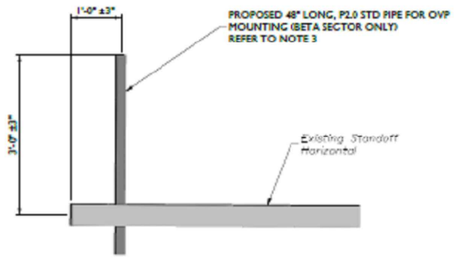
SUPPLEMENTAL

SHEET NUMBER: R-603

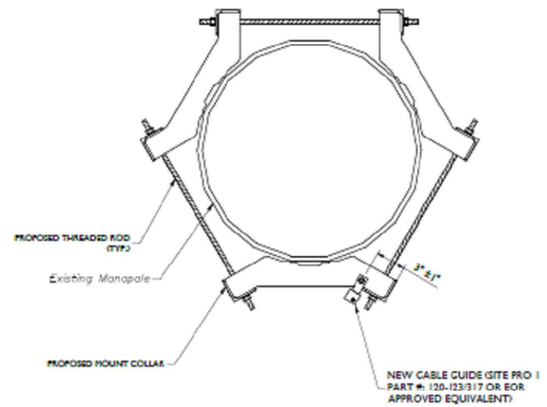
REVISION: -



1 PROPOSED FRONT ELEVATION VIEW (TYP. EACH SECTOR)
SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW FOR OVP MOUNTING (BETA SECTOR ONLY)
SCALE : N.T.S.



3 PROPOSED SAFETY CLIMB DETAIL
SCALE : N.T.S.

MODIFICATION NOTES:

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SCALE:	DA NUMBER:
AS SHOWN	13777408A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	06/11/2021	ISSUED FOR CONSTRUCTION	JRP	PTOL

STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
06/11/2021

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MONOPOLE
468035
355 ROUTE 85
COLCHESTER, CT 06415
NEW LONDON COUNTY

MT. LAUREL OFFICE
3300 Fitzpatrick Drive
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Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

MODIFICATION DETAILS

S-5

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1 MOUNT MODIFICATIONS

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SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-604	-