Centerline Communications LLC

027471

West Haven SW CT
Asset# 243036

CONNECTICUT SITING COUNCIL

Check: 27471
Date: 7/1/2021
Vendor: 0

Invoice	P.O. Num.	Invoice Amt	Prior Balance	Retention	Discount	Amt. Paid
531502-003		625.00	625.00	0.00	0.00	625.00
ATC - Verizon-13668986						
		625.00	625.00	0.00	0.00	625.00

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

ROCKLAND TRUST COMPANY
MEDFIELD, MA 02052

53-447/113

027471

27471

DATE	AMOUNT
7/1/2021	**********625.00

PAY TO THE ORDER OF CONNECTICUT SITING COUNCIL

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

VOID AFTER 90 DAYS

AUTHORIZED SIGNATURE

Security features. Details on back

⑈027471⑈ ⑆ ⑆ ⑈

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ATC - Verizon-13668986						
		625.00	625.00	0.00	0.00	625.00

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

July 21, 2021

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

RE: Notice of Exempt Modification // Site: WEST HAVEN SW CT (ATC: 243036)
668 Jones Hill Road, West Haven, CT 06516
N 41.2564 // W 72.9723

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless currently maintains 9 antennas at the 134-foot level on the existing 149 foot monopole tower, located at 668 Jones Hill Road, West Haven, CT. The tower is owned by American Tower. The property is owned by the Robert E. Newkirk. The tower was originally approved by the Council in 2008. Verizon Wireless now intends to remove 9 of its existing antennas to replace with 9 ones and install them on side – by – side mounts for the LTE (3700 MHz) replacements, along with the mounting platform reinforcements, for its 5G upgrade. Additionally, Verizon Wireless will replace all remote radio head units (RRUs) with a total of 6 RRUs; remove 1 OVP and replace another OVP, remove 1 5/8" Coax Cable, and remove 1 Non Li Hybrid Cable and replace with 2 5/8" 6x12 Li Hybrid cables; altogether updating leased equipment rights, as reflected by the final configuration outlined in the structural analysis and proposed hereby.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Nancy R. Rossi, Mayor for Town of West Haven, Catherine Conniff, Zoning Enforcement Officer, Robert E. Newkirk, the property owner, and American Tower, the tower owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2). Enclosed to accommodate this filing are construction drawings dated June 25th, 2021 by Dewberry Engineers INC., and a structural analysis dated July 7th, 2021 by A.T. Engineering Service, PLLC, a structural mount analysis by Maser Consulting

Connecticut date June 10, 2021, and radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

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

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

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

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

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

6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis by A.T. Engineering Service, PLLC, dated July 7th, 2021, pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final construction drawings, signed and stamped dated June 25th, 2021.

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

Sincerely,

MJ Umali

_____

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

Attachments

cc: Nancy R. Rossi, Mayor for Town of West Haven
Catherine Conniff, Zoning Enforcement Officer
American Tower Corporation - as tower owner
Robert E. Newkirk – Property Owner

UPS CampusShip: View/Print Label

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

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

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   Customers without a Daily Pickup
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NORTH EASTON ,MA 02356

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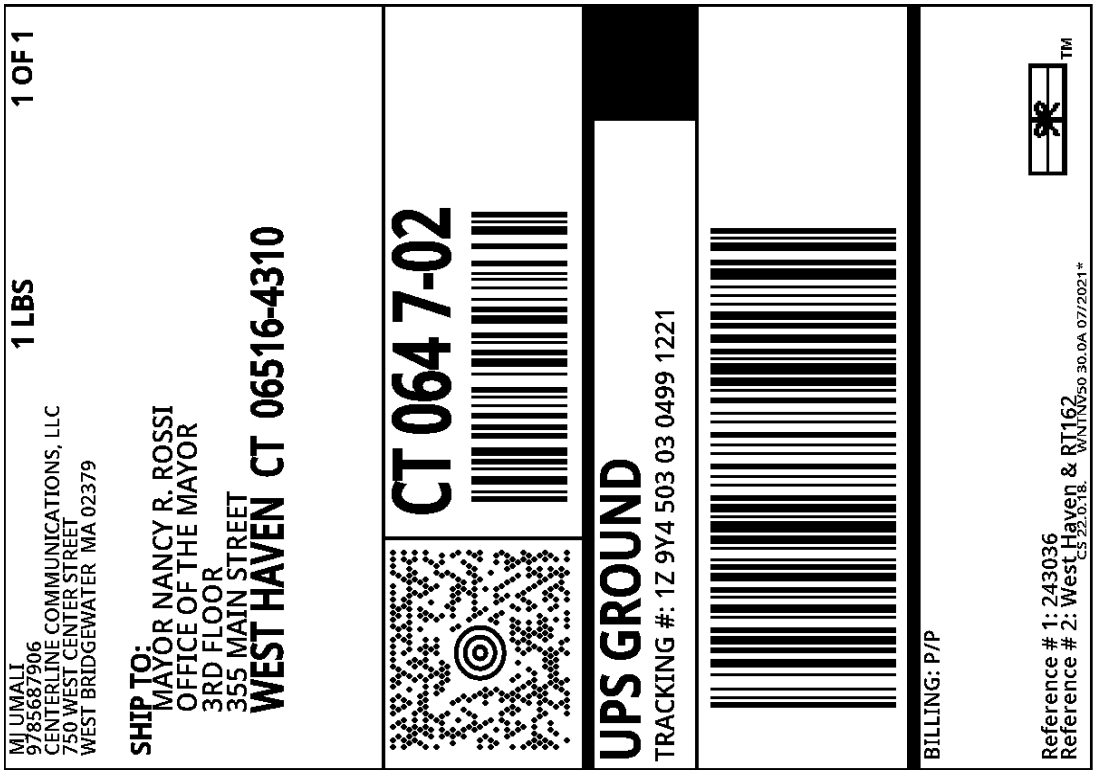
450 E CENTER ST
WEST BRIDGEWATER ,MA 02379

FOLD HERE



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FOLD HERE

MJ UMALI
9785687906
CENTERLINE COMMUNICATIONS, LLC
750 WEST CENTER STREET
WEST BRIDGEWATER MA 02379

1 LBS 1 OF 1

SHIP TO:
CATHERINE CONNIFF ASST CITY PLANNER
CITY OF WEST HAVEN
1ST FLOOR
355 MAIN STREET
PLANNING AND DEVELOPMENT
WEST HAVEN CT 06516-4310

CT 064 7-02

UPS GROUND

TRACKING #: 1Z 9Y4 503 03 0323 8234

BILLING: P/P

Reference # 1: 243036
Reference # 2: West Haven & RT162

WNTN50 30.0A 07/2021*

243036

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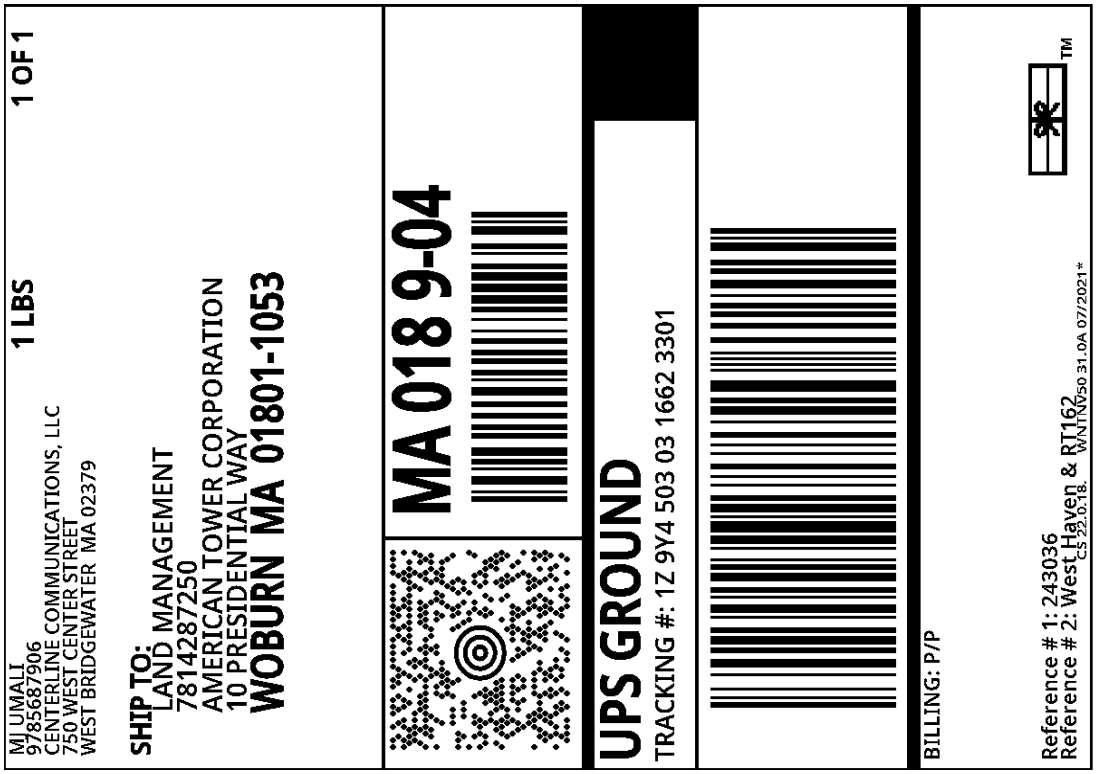

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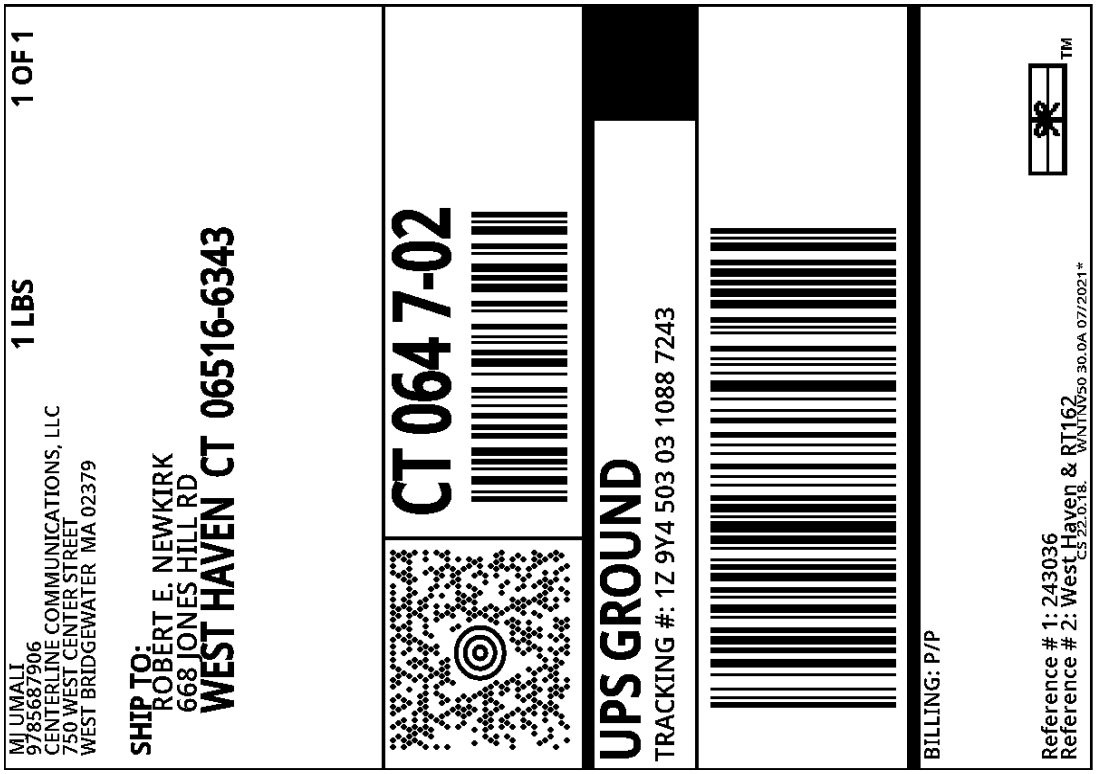


AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	**149 ft Monopole**
ATC Site Name	:	**WEST HAVEN & RT 162 CT, CT**
ATC Asset Number	:	**243036**
Engineering Number	:	**13668986_C3_04**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**WEST HAVEN SW CT**
Carrier Site Number	:	**469425**
Site Location	:	**668 Jones Hill Road** **West Haven, CT 06516-6311** **41.256400,-72.972400**
County	:	**New Haven**
Date	:	**July 6, 2021**
Max Usage	:	**97%**
Result	:	**Pass**

Prepared By:
Kyle MacPetrie
Structural Engineer I

Reviewed By:

Authorized by "EOR"
06 Jul 2021 04:58:02 cosign

COA: PEC.0001553

AMERICAN TOWER®
CORPORATION

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 149 ft monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	Sabre Job #06-08204, dated August 19, 2005
Foundation Drawing	Sabre Job #06-10095, dated October 12, 2005
Geotechnical Report	EBI Project #61051509, dated July 12, 2005

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:	116.96 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	48.73 mph (3-Second Gust) w/ 0.85" 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

****Wind load and Ice thickness have been reduced by applicable existing structure load modification factors in accordance with TIA-222-H, Annex S.**

Conclusion

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

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

Existing and Reserved Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
152.0	-	-	Collar Mount	(4) 1/2" Coax (1) 2" conduit (3) 1 1/4" Hybriflex Cable (1) 1.7" (43.2mm) Hybrid	CLEARWIRE CORPORATION
151.0	6	Alcatel-Lucent RRH2x50-08			
	3	Alcatel-Lucent 1900 MHz 4X45 RRH			
	3	Nokia 2.5G MAA - AAHC(64T64R)			
	2	DragonWave A-ANT-11G-2-C			
	3	RFS APXVFRR12X-C-I20			
	3	DragonWave Horizon Compact			
	1	DragonWave A-ANT-23G-1-C			
143.0	3	Ericsson Air6449 B41	Triangular Platform with Site Pro 1 HRK12-2HD Handrails	(5) 1 1/4" (1.25"-31.8mm) Fiber (3) 1 5/8" (1.63"-41.3mm) Fiber (12) 1 5/8" Coax	T-MOBILE
	3	Ericsson Air 3246 B66			
	3	Ericsson Radio 4449 B71 B85A			
	3	Ericsson RRUS 4415 B25			
	3	Ericsson AIR32 B66Aa/B2a			
	3	RFS APXVAARR24_43-U-NA20			
134.0	3	Samsung B2/B66A RRH-BR049	Triangular Low Profile Platform	(12) 1 5/8" Coax (2) 1 5/8" (1.63"-41.3mm) Fiber	VERIZON WIRELESS
	1	Raycap RCMDC-6627-PF-48			
	6	RFS FD9R6004/2C-3L			
	6	JMA Wireless MX06FRO660-03			
	3	Samsung MT6407-77A			
	3	Samsung B5/B13 RRH-BR04C			
	3	Andrew DB854DG65ESX			
125.0	3	Ericsson RRUS 8843 B2, B66A	MTC196 Platform with Handrails	(6) 0.78" (19.7mm) 8 AWG 6 (3) 3" conduit (2) 0.39" (10mm) Fiber Trunk (3) 0.39" (9.8mm) Cable (2) 2" conduit	AT&T MOBILITY
	3	CCI CCI-HPA-65R-BUU-H8			
	3	Ericsson Radio 4415 B30			
	3	Ericsson RRUS 4449 B5, B12			
	6	Kathrein Scala 80010966			
	2	Raycap DC6-48-60-0-8F (24" Height)			
	1	Raycap DC6-48-60-0-8F			
	3	Ericsson RRUS 4478 B14			
	1	Commscope WCS-IMFQ-AMT			
115.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8" Coax	METRO PCS INC
106.0	1	Generic 3' Dish w/ Radome	Side Arm	(1) 0.28" (7mm) RG-6	OTHER
	1	Proxim 5054-R-LR			

Equipment to be Removed

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
134.0	6	JMA Wireless MX06FRO660-02	-	(1) 1 5/8" Coax	VERIZON WIRELESS
	1	RFS DB-T1-6Z-8AB-0Z			

Proposed Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
134.0	1	Raycap RCMDC-6627-PF-48	Triangular Low Profile Platform	(1) 1 5/8" (1.63"-41.3mm) Fiber	VERIZON WIRELESS
	3	Samsung MT6407-77A			
	6	JMA Wireless MX06FRO660-03			

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

Install proposed coax on the inside of the pole shaft.

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:

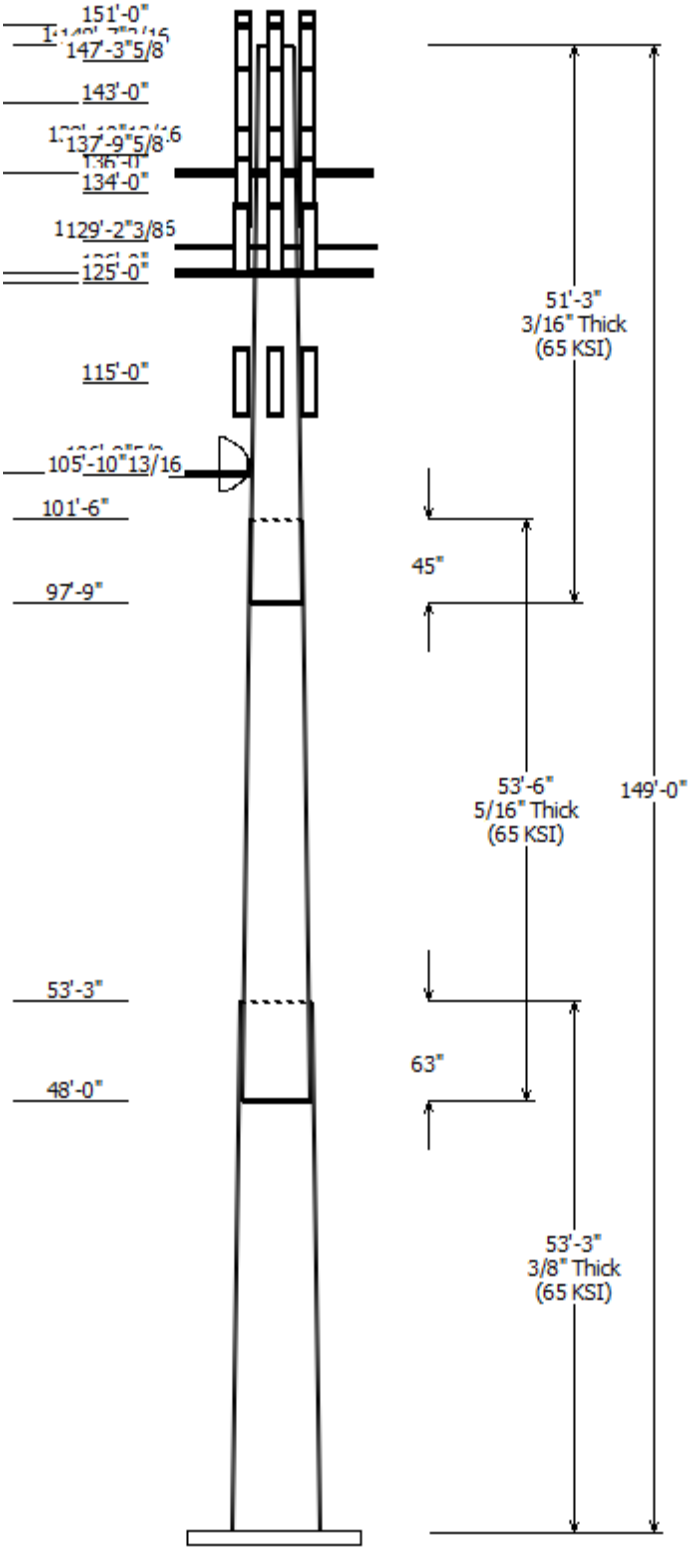
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

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 :	243036	Code:	ANSI/TIA-222-H
Location :	WEST HAVEN & RT 162 CT, CT		
Description :		Risk Category :	II
Shape :	18 Sides	Exposure :	B
Height :	149.00 (ft)	Topo Method :	Method 1
Base Elev (ft):	0.00	Topographic Category :	1
Taper:	0.234964 (in/ft)		

Sections Properties

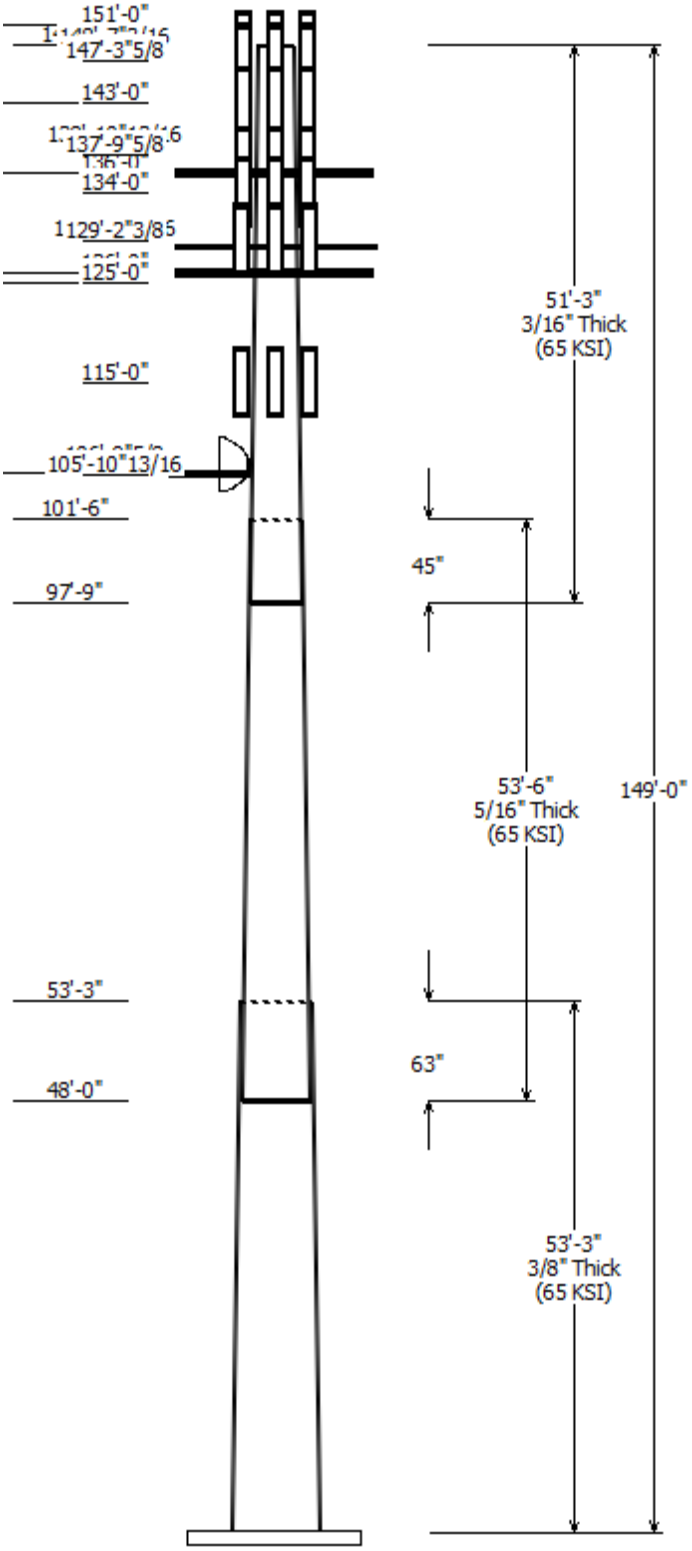
Shaft Section	Length (ft)	Diameter (in) Accross Flats Top	Bottom	Thick (in)	Joint Type	Overlap Length (in)	Shape	Steel Grade (ksi)
1	53.250	39.49	52.01	0.375		0.000	18 Sides	65
2	53.500	28.78	41.35	0.313	Slip Joint	63.000	18 Sides	65
3	51.250	18.00	30.04	0.188	Slip Joint	45.000	18 Sides	65

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
151.000	151.000	1	Collar Mount
151.000	151.000	3	RFS APXVFRR12X-C-I20
151.000	148.000	2	DragonWave A-ANT-11G-2-C
151.000	151.000	3	Nokia 2.5G MAA -
151.000	151.000	3	Alcatel-Lucent 1900 MHz 4X45
151.000	151.000	6	Alcatel-Lucent RRH2x50-08
151.000	148.000	1	DragonWave A-ANT-23G-1-C
151.000	148.000	3	DragonWave Horizon Compact
148.600	148.600	3	Ericsson Air6449 B41
147.500	147.500	3	Ericsson Air 3246 B66
147.300	147.300	3	Ericsson AIR32 B66Aa/B2a
147.300	147.300	3	Ericsson Radio 4449 B71 B85A
147.300	147.300	3	Ericsson RRUS 4415 B25
143.000	143.000	1	Platform with SitePro1 HRK12-
143.000	143.000	3	RFS APXVAARR24_43-U-NA20
139.200	139.200	3	Samsung B2/B66A RRH-BR049
138.900	138.900	1	Raycap RCMDC-6627-PF-48
137.800	137.800	6	RFS FD9R6004/2C-3L
136.000	136.000	1	Round Low Profile Platform
134.000	134.000	6	JMA Wireless MX06FRO660-03
134.000	137.000	3	Andrew DB854DG65ESX
134.000	134.000	3	Samsung MT6407-77A
134.000	134.000	3	Samsung B5/B13 RRH-BR04C
129.700	129.700	3	Ericsson RRUS 8843 B2, B66A
129.500	129.500	3	CCI CCI-HPA-65R-BUU-H8
129.400	129.400	3	Ericsson RRUS 4449 B5, B12
129.400	129.400	3	Ericsson Radio 4415 B30
129.200	129.200	6	Kathrein Scala 80010966
126.000	126.000	1	Round Platform w/ Handrails
125.000	125.000	1	Generic Mount Reinforcement
125.000	125.000	3	Ericsson RRUS 4478 B14
125.000	125.000	2	Raycap DC6-48-60-0-8F (24" Hei
125.000	125.000	1	Raycap DC6-48-60-0-8F
125.000	125.000	1	Commscope WCS-IMFQ-AMT
115.000	115.000	3	RFS APXV18-206517S-C
106.800	106.800	1	Generic 3' Dish w/ Radome
106.000	106.000	1	Flat Side Arm
105.900	105.900	1	Proxim 5054-R-LR

Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
4.000	125.0	0.39" (10mm)	No



4.000	125.0	0.39" (9.8mm)	No
4.000	125.0	0.78" (19.7mm) 8	No
4.000	127.0	0.78" (19.7mm) 8	No
4.000	127.0	3" conduit	No
4.000	134.0	1 5/8" (1.63"-	No
4.000	134.0	1 5/8" Coax	No
4.000	137.0	1 5/8" Coax	No
4.000	106.0	0.28" (7mm) RG-6	No
4.000	115.0	1 5/8" Coax	No
4.000	143.0	1 5/8" Coax	No
4.000	151.0	1.7" (43.2mm)	No
4.000	151.0	1/2" Coax	No
4.000	152.0	1/2" Coax	No
0.000	152.0	2" conduit	No
0.000	147.0	1 1/4" (1.25"-	No
0.000	151.0	1 1/4" Hybriflex	No
0.000	125.0	2" conduit	No
0.000	143.0	1 1/4" (1.25"-	Yes
0.000	143.0	1 5/8" (1.63"-	Yes

Load Cases

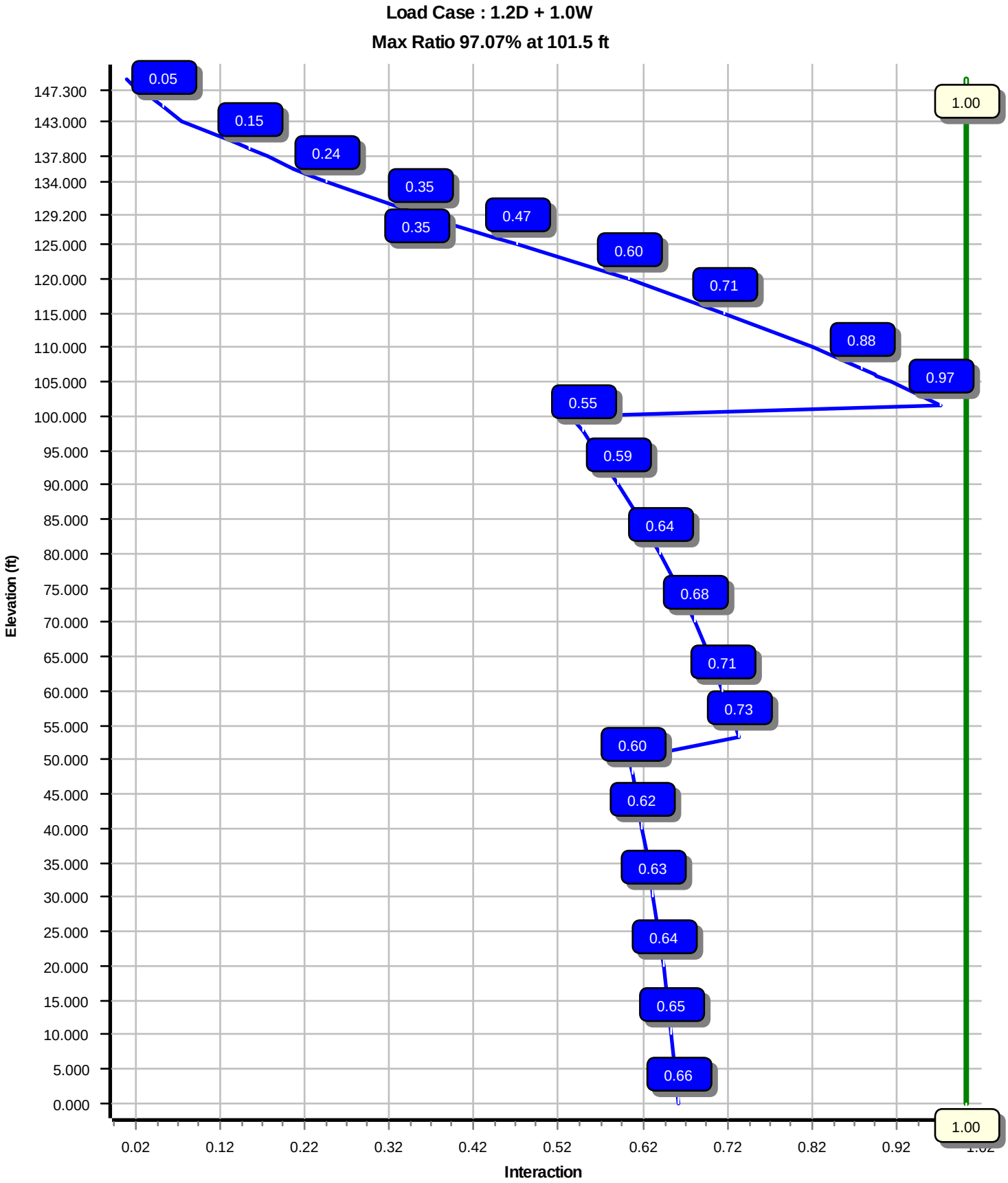
1.2D + 1.0W	117 mph with No Ice
0.9D + 1.0W	117 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	49 mph with 0.85 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	2841.25	24.29	50.41
0.9D + 1.0W	2787.83	24.27	37.80
1.2D + 1.0Di + 1.0Wi	710.06	6.11	66.84
1.2D + 1.0Ev + 1.0Eh	166.69	1.27	50.74
0.9D - 1.0Ev + 1.0Eh	162.71	1.26	35.01
1.0D + 1.0W	661.88	5.72	42.04

Dish Deflections

Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	106.80	12.907	1.279
1.0D + 1.0W	149.00	27.016	1.756
1.0D + 1.0W	149.00	27.016	1.756


Load Case : 1.2D + 1.0W
Max Ratio 97.07% at 101.5 ft
Elevation (ft)
147.300
143.000
137.800
134.000
129.200
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
0.05
0.15
0.24
0.35
0.35
0.47
0.60
0.71
0.88
0.97
0.55
0.59
0.64
0.68
0.71
0.73
0.60
0.62
0.63
0.64
0.65
0.66
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: 243036 **Code: ANSI/TIA-222-H**

Site Name: WEST HAVEN & RT 162 CT, CT **Engineering Number:13668986_C3_04** **7/6/2021 4:27:26 PM**

Customer: VERIZON WIRELESS

Analysis Parameters

Location :	**New Haven County, CT**	**Height (ft) :**	**149**
Code :	**ANSI/TIA-222-H**	**Base Diameter (in) :**	**52.01**
Shape :	**18 Sides**	**Top Diameter (in) :**	**18.00**
Pole Type :	**Taper**	**Taper (in/ft) :**	**0.235**
Pole Manfacturer :	**Sabre**	**Rotation (deg) :**	**0.00**
Kd (non-service) :	**0.95**	**Ke :**	**1.00**

Ice & Wind Parameters

Exposure Category:	**B**	**Design Wind Speed Without Ice:**	**117 mph**
Risk Category:	**II**	**Design Wind Speed With Ice:**	**49 mph**
Topographic Factor Procedure:	**Method 1**	**Operational Wind Speed:**	**60 mph**
Topographic Category:	**1**	**Design Ice Thickness:**	**0.85 in**
Crest Height:	**0 ft**	**HMSL:**	**135.00 ft**

Seismic Parameters

Analysis Method:	**Equivalent Lateral Force Method**				
Site Class:	**D - Stiff Soil**				
Period Based on Rayleigh Method (sec):	**2.99**				
T_L (sec):	**6**	**p:**	**1**	**C_s:**	**0.030**
S_s:	**0.200**	**S_1:**	**0.053**	**C_s Max:**	**0.030**
F_a:	**1.600**	**F_v:**	**2.400**	**C_s Min:**	**0.030**
S_{ds}:	**0.213**	**S_{d1}:**	**0.085**		

Load Cases

1.2D + 1.0W	**117 mph with No Ice**
0.9D + 1.0W	**117 mph with No Ice (Reduced DL)**
1.2D + 1.0Di + 1.0Wi	**49 mph with 0.85 in Radial Ice**
1.2D + 1.0Ev + 1.0Eh	**Seismic**
0.9D - 1.0Ev + 1.0Eh	**Seismic (Reduced DL)**
1.0D + 1.0W	**Serviceability 60 mph**

Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint Len (in)	Weight (lb)	Bottom Dia (in)	Bottom Elev (ft)	Bottom Area (in²)	Bottom Ix (in⁴)	Bottom W/t Ratio	Bottom D/t Ratio	Top Dia (in)	Top Elev (ft)	Top Area (in²)	Top Ix (in⁴)	Top W/t Ratio	Top D/t Ratio	Taper (in/ft)
1-18	53.250	0.3750	65		0.00	9,787	52.01	0.00	61.46	20701.4	22.69	138.69	39.49	53.25	46.56	9004.7	16.81	105.33	0.234964
2-18	53.500	0.3125	65	Slip	63.00	6,276	41.35	48.00	40.71	8664.4	21.57	132.34	28.78	101.50	28.24	2892.7	14.48	92.11	0.234964
3-18	51.250	0.1875	65	Slip	45.00	2,473	30.04	97.75	17.77	2000.7	26.49	160.22	18.00	149.00	10.60	424.9	15.16	96.00	0.234964
				Shaft Weight		18,536													

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
151.00	DragonWave Horizon Compact	3	0.80	-3.000	10.60	0.721	0.50	23.36	1.044	0.50
151.00	DragonWave A-ANT-23G-1-C	1	1.00	-3.000	15.00	1.610	1.00	35.05	2.040	1.00
151.00	Alcatel-Lucent RRH2x50-08	6	0.80	0.000	52.90	1.701	0.50	86.52	2.190	0.50
151.00	Alcatel-Lucent 1900 MHz 4X45	3	0.80	0.000	60.00	2.322	0.50	105.72	2.935	0.50
151.00	Nokia 2.5G MAA - AAHC(64T64R)	3	0.80	0.000	103.60	4.203	0.64	167.56	4.964	0.64
151.00	DragonWave A-ANT-11G-2-C	2	1.00	-3.000	27.00	4.688	1.00	82.29	5.411	1.00
151.00	RFS APXVFRR12X-C-I20	3	0.80	0.000	46.00	4.994	0.71	116.93	6.054	0.71
151.00	Collar Mount	1	1.00	0.000	560.00	8.500	1.00	781.35	11.860	1.00
148.60	Ericsson Air6449 B41	3	0.75	0.000	104.00	5.682	0.63	181.28	6.582	0.63
147.50	Ericsson Air 3246 B66	3	0.75	0.000	180.00	7.939	0.69	1,712.78	9.224	0.69
147.30	Ericsson Radio 4449 B71 B85A	3	0.75	0.000	75.00	1.650	0.50	109.06	2.131	0.50
147.30	Ericsson RRUS 4415 B25	3	0.75	0.000	46.00	1.842	0.50	73.77	2.350	0.50
147.30	Ericsson AIR32 B66Aa/B2a	3	0.75	0.000	132.20	6.510	0.71	222.59	7.751	0.71
143.00	RFS APXVAARR24_43-U-NA20	3	0.75	0.000	127.90	20.243	0.63	349.52	22.337	0.63
143.00	Platform with SitePro1 HRK12-	1	1.00	0.000	2,350.00	42.400	1.00	3,274.21	59.075	1.00
139.20	Samsung B2/B66A RRH-BR049	3	0.80	0.000	84.40	1.875	0.50	120.35	2.384	0.50
138.90	Raycap RCMDC-6627-PF-48	1	0.80	0.000	32.00	4.056	1.00	103.59	4.825	1.00
137.80	RFS FD9R6004/2C-3L	6	0.80	0.000	2.60	0.314	0.50	7.11	0.531	0.50
136.00	Round Low Profile Platform	1	1.00	0.000	1,500.00	21.700	1.00	1,864.17	32.492	1.00
134.00	Samsung B5/B13 RRH-BR04C	3	0.80	0.000	70.30	1.875	0.50	102.37	2.381	0.50
134.00	Samsung MT6407-77A	3	0.80	0.000	81.60	4.709	0.61	138.74	5.561	0.61
134.00	Andrew DB854DG65ESX	3	0.80	3.000	18.50	5.248	0.65	85.93	5.788	0.65
134.00	JMA Wireless MX06FRO660-03	6	0.80	0.000	60.00	9.872	0.71	194.41	11.410	0.71
129.70	Ericsson RRUS 8843 B2, B66A	3	0.75	0.000	72.00	1.639	0.50	106.30	2.112	0.50
129.50	CCI CCI-HPA-65R-BUU-H8	3	0.75	0.000	68.00	12.976	0.67	211.77	14.979	0.67
129.40	Ericsson Radio 4415 B30	3	0.75	0.000	43.00	1.650	0.50	66.58	2.125	0.50
129.40	Ericsson RRUS 4449 B5, B12	3	0.75	0.000	71.00	1.969	0.50	107.06	2.491	0.50
129.20	Kathrein Scala 80010966	6	0.75	0.000	114.60	17.363	0.63	294.01	19.424	0.63
126.00	Round Platform w/ Handrails	1	1.00	0.000	2,000.00	27.200	1.00	2,722.78	40.835	1.00
125.00	Commscope WCS-IMFQ-AMT	1	0.75	0.000	29.50	0.989	0.50	48.24	1.357	0.50
125.00	Raycap DC6-48-60-0-8F	1	0.75	0.000	32.80	1.360	1.00	65.15	1.729	1.00
125.00	Raycap DC6-48-60-0-8F (24"	2	0.75	0.000	32.80	1.470	1.00	92.40	1.859	1.00
125.00	Ericsson RRUS 4478 B14	3	0.75	0.000	59.90	1.842	0.50	90.67	2.341	0.50
125.00	Generic Mount Reinforcement	1	1.00	0.000	200.00	7.500	1.00	307.69	11.666	1.00
115.00	RFS APXV18-206517S-C	3	1.00	0.000	26.40	5.160	0.68	77.52	6.465	0.68
106.80	Generic 3' Dish w/ Radome	1	1.00	0.000	100.00	6.100	1.00	199.88	6.758	1.00
106.00	Flat Side Arm	1	1.00	0.000	150.00	6.300	1.00	190.12	7.648	1.00
105.90	Proxim 5054-R-LR	1	1.00	0.000	6.00	1.323	1.00	23.12	1.740	1.00
Totals	Num Loadings:38	100			12,916.70			25,966.61		

Linear Appurtenance Properties

Load Case Azimuth (deg) : 0

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax / Row	Dist Between Rows (in)	Dist Between Cols (in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	152.00	1	2" conduit	2.38	3.65	N	0	0.00	0.00	0	0.00	N	CLEARWIRE

4.00	152.00	1	1/2" Coax	0.63	0.15	N	0	0.00	0.00	0	0.00	N	CLEARWIRE
0.00	151.00	3	1 1/4" Hybriflex Cable	1.54	1.00	N	0	0.00	0.00	0	0.00	N	CLEARWIRE
4.00	151.00	1	1.7" (43.2mm) Hybrid	1.70	1.78	N	0	0.00	0.00	0	0.00	N	CLEARWIRE
4.00	151.00	3	1/2" Coax	0.63	0.15	N	0	0.00	0.00	0	0.00	N	CLEARWIRE
0.00	147.00	4	1 1/4" (1.25"- 31.8mm)	1.25	1.05	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	143.00	1	1 1/4" (1.25"- 31.8mm)	1.25	1.05	N	1	0.25	0.25	110	0.25	Y	T-MOBILE
0.00	143.00	3	1 5/8" (1.63"-41.3mm)	1.63	1.61	N	3	0.25	0.25	90	0.25	Y	T-MOBILE
4.00	143.00	12	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	T-MOBILE
4.00	137.00	1	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	VERIZON WIRELESS
4.00	134.00	2	1 5/8" (1.63"-41.3mm)	1.63	1.61	N	0	0.00	0.00	0	0.00	N	VERIZON WIRELESS
4.00	134.00	11	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	VERIZON WIRELESS
4.00	127.00	2	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
4.00	127.00	3	3" conduit	3.50	7.58	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	125.00	2	2" conduit	2.38	3.65	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
4.00	125.00	2	0.39" (10mm) Fiber	0.39	0.06	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
4.00	125.00	3	0.39" (9.8mm) Cable	0.39	0.07	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
4.00	125.00	4	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
4.00	115.00	6	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	METRO PCS INC
4.00	106.00	1	0.28" (7mm) RG-6	0.28	0.03	N	0	0.00	0.00	0	0.00	N	Other

Segment Properties (Max Len : 5. ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)
0.00		0.3750	52.010	61.456	20,701.4	22.69	138.69	74.7	784.0	0.0	0.0
5.00		0.3750	50.835	60.058	19,320.3	22.14	135.56	75.4	748.6	0.0	1,033.7
10.00		0.3750	49.660	58.659	18,002.0	21.59	132.43	76.0	714.0	0.0	1,009.9
15.00		0.3750	48.485	57.261	16,745.1	21.03	129.29	76.7	680.2	0.0	986.1
20.00		0.3750	47.310	55.863	15,548.1	20.48	126.16	77.3	647.3	0.0	962.3
25.00		0.3750	46.136	54.465	14,409.6	19.93	123.03	78.0	615.2	0.0	938.5
30.00		0.3750	44.961	53.066	13,328.0	19.38	119.90	78.6	583.9	0.0	914.8
35.00		0.3750	43.786	51.668	12,301.9	18.83	116.76	79.3	553.4	0.0	891.0
40.00		0.3750	42.611	50.270	11,329.9	18.27	113.63	79.9	523.7	0.0	867.2
45.00		0.3750	41.436	48.871	10,410.6	17.72	110.50	80.6	494.9	0.0	843.4
48.00	Bot - Section 2	0.3750	40.731	48.032	9,883.6	17.39	108.62	80.9	477.9	0.0	494.6
50.00		0.3750	40.261	47.473	9,542.3	17.17	107.36	81.2	466.8	0.0	600.4
53.25	Top - Section 1	0.3125	40.123	39.485	7,906.5	20.88	128.39	76.8	388.1	0.0	960.8
55.00		0.3125	39.712	39.078	7,664.0	20.64	127.08	77.1	380.1	0.0	233.9
60.00		0.3125	38.537	37.912	6,998.6	19.98	123.32	77.9	357.7	0.0	654.9
65.00		0.3125	37.362	36.747	6,373.0	19.32	119.56	78.7	336.0	0.0	635.1
70.00		0.3125	36.187	35.582	5,785.7	18.66	115.80	79.5	314.9	0.0	615.3
75.00		0.3125	35.012	34.417	5,235.7	17.99	112.04	80.2	294.5	0.0	595.5
80.00		0.3125	33.838	33.251	4,721.7	17.33	108.28	81.0	274.8	0.0	575.6
85.00		0.3125	32.663	32.086	4,242.5	16.67	104.52	81.8	255.8	0.0	555.8
90.00		0.3125	31.488	30.921	3,796.9	16.00	100.76	82.6	237.5	0.0	536.0
95.00		0.3125	30.313	29.756	3,383.6	15.34	97.00	82.6	219.9	0.0	516.2
97.75	Bot - Section 3	0.3125	29.667	29.115	3,169.7	14.98	94.93	82.6	210.4	0.0	275.4
100.0		0.3125	29.138	28.591	3,001.5	14.68	93.24	82.6	202.9	0.0	355.7
101.5	Top - Section 2	0.1875	29.161	17.242	1,828.7	25.66	155.52	71.2	123.5	0.0	233.6
105.0		0.1875	28.338	16.753	1,677.4	24.89	151.14	72.1	116.6	0.0	202.4
105.9		0.1875	28.127	16.627	1,639.8	24.69	150.01	72.4	114.8	0.0	51.1
106.0		0.1875	28.103	16.613	1,635.7	24.67	149.89	72.4	114.6	0.0	5.7
106.8		0.1875	27.915	16.501	1,602.9	24.49	148.88	72.6	113.1	0.0	45.1
110.0		0.1875	27.164	16.054	1,476.0	23.78	144.87	73.4	107.0	0.0	177.2
115.0		0.1875	25.989	15.354	1,291.4	22.68	138.61	74.7	97.9	0.0	267.2
120.0		0.1875	24.814	14.655	1,122.9	21.57	132.34	76.0	89.1	0.0	255.3
125.0		0.1875	23.639	13.956	969.8	20.47	126.08	77.3	80.8	0.0	243.4
126.0		0.1875	23.404	13.816	940.9	20.25	124.82	77.6	79.2	0.0	47.3
129.2		0.1875	22.652	13.369	852.4	19.54	120.81	78.4	74.1	0.0	148.0
129.4		0.1875	22.605	13.341	847.1	19.49	120.56	78.5	73.8	0.0	9.1
129.5		0.1875	22.582	13.327	844.4	19.47	120.44	78.5	73.7	0.0	4.5
129.7		0.1875	22.535	13.299	839.1	19.43	120.19	78.5	73.3	0.0	9.1
130.0		0.1875	22.464	13.257	831.2	19.36	119.81	78.6	72.9	0.0	13.6
134.0		0.1875	21.524	12.698	730.4	18.48	114.80	79.7	66.8	0.0	176.6
135.0		0.1875	21.290	12.558	706.5	18.26	113.54	79.9	65.4	0.0	43.0
136.0		0.1875	21.055	12.418	683.2	18.04	112.29	80.2	63.9	0.0	42.5
137.8		0.1875	20.632	12.166	642.5	17.64	110.04	80.7	61.3	0.0	75.3
138.9		0.1875	20.373	12.013	618.4	17.40	108.66	80.9	59.8	0.0	45.3
139.2		0.1875	20.303	11.971	611.9	17.33	108.28	81.0	59.4	0.0	12.2
140.0		0.1875	20.115	11.859	595.0	17.15	107.28	81.2	58.3	0.0	32.4
143.0		0.1875	19.410	11.439	534.0	16.49	103.52	82.0	54.2	0.0	118.9
145.0		0.1875	18.940	11.160	495.8	16.05	101.01	82.5	51.6	0.0	76.9
147.3		0.1875	18.399	10.838	454.2	15.54	98.13	82.6	48.6	0.0	86.1
147.5		0.1875	18.352	10.810	450.7	15.50	97.88	82.6	48.4	0.0	7.4
148.6		0.1875	18.094	10.656	431.7	15.25	96.50	82.6	47.0	0.0	40.2
149.0		0.1875	18.000	10.600	424.9	15.16	96.00	82.6	46.5	0.0	14.5
											18,536.1

Load Case: 1.2D + 1.0W — 117 mph with No Ice — 29 Iterations

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

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		202.4	0.0					0.0	0.0	202.4	0.0	0.0	0.0
5.00		400.3	1,240.5					0.0	212.4	400.3	1,452.8	0.0	0.0
10.00		391.0	1,211.9					0.0	485.2	391.0	1,697.1	0.0	0.0
15.00		381.8	1,183.4					0.0	485.2	381.8	1,668.6	0.0	0.0
20.00		372.5	1,154.8					0.0	485.2	372.5	1,640.0	0.0	0.0
25.00		363.3	1,126.3					0.0	485.2	363.3	1,611.5	0.0	0.0
30.00		358.2	1,097.7					0.0	485.2	358.2	1,582.9	0.0	0.0
35.00		360.3	1,069.2					0.0	485.2	360.3	1,554.4	0.0	0.0
40.00		364.3	1,040.6					0.0	485.2	364.3	1,525.8	0.0	0.0
45.00		293.0	1,012.1					0.0	485.2	293.0	1,497.3	0.0	0.0
48.00	Bot - Section 2	184.6	593.5					0.0	291.1	184.6	884.7	0.0	0.0
50.00		195.7	720.5					0.0	194.1	195.7	914.6	0.0	0.0
53.25	Top - Section 1	186.3	1,153.0					0.0	315.4	186.3	1,468.4	0.0	0.0
55.00		250.8	280.7					0.0	169.8	250.8	450.5	0.0	0.0
60.00		370.1	785.9					0.0	485.2	370.1	1,271.2	0.0	0.0
65.00		367.1	762.1					0.0	485.2	367.1	1,247.4	0.0	0.0
70.00		363.2	738.4					0.0	485.2	363.2	1,223.6	0.0	0.0
75.00		358.4	714.6					0.0	485.2	358.4	1,199.8	0.0	0.0
80.00		352.8	690.8					0.0	485.2	352.8	1,176.0	0.0	0.0
85.00		346.5	667.0					0.0	485.2	346.5	1,152.2	0.0	0.0
90.00		339.6	643.2					0.0	485.2	339.6	1,128.4	0.0	0.0
95.00		258.7	619.4					0.0	485.2	258.7	1,104.6	0.0	0.0
97.75	Bot - Section 3	164.9	330.5					0.0	266.9	164.9	597.4	0.0	0.0
100.00		123.3	426.9					0.0	218.3	123.3	645.2	0.0	0.0
101.50	Top - Section 2	161.9	280.3					0.0	145.6	161.9	425.9	0.0	0.0
105.00		141.6	242.9					0.0	339.7	141.6	582.6	0.0	0.0
105.90		31.9	61.3					0.0	87.3	31.9	148.7	0.0	0.0
106.00	Appurtenance(s)	28.5	6.8	230.5	0.0	0.0	180.0	0.0	9.7	259.1	196.5	0.0	0.0
106.80		125.6	54.1					0.0	77.6	125.6	131.7	0.0	0.0
110.00		253.0	212.7					0.0	310.4	253.0	523.1	0.0	0.0
115.00	Appurtenance(s)	300.6	320.6	394.3	0.0	0.0	95.0	0.0	485.0	694.9	900.7	0.0	0.0
120.00		290.5	306.3					0.0	455.5	290.5	761.9	0.0	0.0
125.00	Appurtenance(s)	170.6	292.1	505.1	0.0	0.0	609.1	0.0	455.5	675.7	1,356.7	0.0	0.0
126.00	Appurtenance(s)	115.7	56.7	1,045.7	0.0	0.0	2,400.0	0.0	79.1	1,161.5	2,535.8	0.0	0.0
129.20		93.2	177.6					0.0	190.0	93.2	367.6	0.0	0.0
129.40		8.1	10.9					0.0	10.1	8.1	21.0	0.0	0.0
129.50	Appurtenance(s)	8.1	5.4	758.0	0.0	0.0	244.8	0.0	5.0	766.1	255.3	0.0	0.0
129.70		13.5	10.9					0.0	10.1	13.5	21.0	0.0	0.0
130.00		114.0	16.3					0.0	15.1	114.0	31.4	0.0	0.0
134.00	Appurtenance(s)	131.8	212.0	1,996.6	0.0	967.1	1,045.4	0.0	201.6	2,128.4	1,459.1	0.0	0.0
135.00		51.6	51.6					0.0	35.7	51.6	87.3	0.0	0.0
136.00	Appurtenance(s)	71.3	51.0	852.7	0.0	0.0	1,800.0	0.0	35.7	924.0	1,886.7	0.0	0.0
137.80		73.1	90.3					0.0	63.5	73.1	153.9	0.0	0.0
138.90		35.0	54.3					0.0	38.2	35.0	92.5	0.0	0.0
139.20		27.2	14.7					0.0	10.4	27.2	25.1	0.0	0.0
140.00		92.5	38.9					0.0	27.8	92.5	66.7	0.0	0.0
143.00	Appurtenance(s)	120.1	142.7	2,834.0	0.0	0.0	3,280.4	0.0	104.2	2,954.1	3,527.4	0.0	0.0
145.00		100.5	92.3					0.0	31.8	100.5	124.0	0.0	0.0

Load Case: **1.2D + 1.0W** **117 mph with No Ice** **29 Iterations**

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

147.30		57.8	103.3					0.0	35.0	57.8	138.3	0.0	0.0
147.50	Appurtenance(s)	29.5	8.8	495.7	0.0	0.0	648.0	0.0	2.2	525.2	659.0	0.0	0.0
148.60		33.9	48.2					0.0	11.9	33.9	60.1	0.0	0.0
149.00		9.0	17.4					0.0	4.3	9.0	21.7	0.0	0.0
								Totals:		19,151.4	45,256.0	0.00	0.00

Load Case: 1.2D + 1.0W — 117 mph with No Ice — 29 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	-50.41	-24.29	0.00	-2,841.25	0.00	2,841.25	4,132.29	1,078.55	5,030.04	4,392.82	0.00	0.00	0.660
5.00	-48.88	-24.06	0.00	-2,719.78	0.00	2,719.78	4,073.39	1,054.01	4,803.78	4,230.97	0.10	-0.19	0.655
10.00	-47.10	-23.82	0.00	-2,599.50	0.00	2,599.50	4,012.85	1,029.47	4,582.72	4,070.33	0.41	-0.39	0.651
15.00	-45.35	-23.59	0.00	-2,480.40	0.00	2,480.40	3,950.68	1,004.93	4,366.87	3,911.02	0.92	-0.59	0.646
20.00	-43.63	-23.35	0.00	-2,362.48	0.00	2,362.48	3,886.87	980.39	4,156.23	3,753.17	1.65	-0.79	0.641
25.00	-41.94	-23.12	0.00	-2,245.72	0.00	2,245.72	3,821.43	955.85	3,950.79	3,596.88	2.59	-1.00	0.636
30.00	-40.28	-22.88	0.00	-2,130.13	0.00	2,130.13	3,754.35	931.31	3,750.56	3,442.28	3.76	-1.22	0.630
35.00	-38.64	-22.64	0.00	-2,015.71	0.00	2,015.71	3,685.64	906.77	3,555.53	3,289.50	5.15	-1.44	0.624
40.00	-37.04	-22.38	0.00	-1,902.52	0.00	1,902.52	3,615.29	882.23	3,365.72	3,138.64	6.78	-1.67	0.617
45.00	-35.48	-22.16	0.00	-1,790.61	0.00	1,790.61	3,543.30	857.69	3,181.11	2,989.83	8.65	-1.90	0.610
48.00	-34.56	-22.02	0.00	-1,724.13	0.00	1,724.13	3,499.33	842.97	3,072.84	2,901.57	9.89	-2.04	0.605
50.00	-33.60	-21.86	0.00	-1,680.10	0.00	1,680.10	3,469.68	833.15	3,001.70	2,843.18	10.77	-2.14	0.601
53.25	-32.09	-21.69	0.00	-1,609.05	0.00	1,609.05	2,730.90	692.97	2,491.76	2,236.97	12.28	-2.30	0.732
55.00	-31.58	-21.52	0.00	-1,571.09	0.00	1,571.09	2,712.29	685.81	2,440.56	2,198.60	13.14	-2.39	0.727
60.00	-30.23	-21.25	0.00	-1,463.48	0.00	1,463.48	2,658.02	665.36	2,297.20	2,089.85	15.80	-2.67	0.713
65.00	-28.89	-20.97	0.00	-1,357.24	0.00	1,357.24	2,602.11	644.91	2,158.18	1,982.50	18.75	-2.96	0.697
70.00	-27.58	-20.68	0.00	-1,252.42	0.00	1,252.42	2,544.56	624.46	2,023.50	1,876.67	22.00	-3.25	0.679
75.00	-26.30	-20.39	0.00	-1,149.03	0.00	1,149.03	2,485.39	604.01	1,893.15	1,772.48	25.56	-3.54	0.660
80.00	-25.05	-20.09	0.00	-1,047.10	0.00	1,047.10	2,424.57	583.56	1,767.15	1,670.04	29.43	-3.84	0.639
85.00	-23.82	-19.79	0.00	-946.66	0.00	946.66	2,362.12	563.11	1,645.48	1,569.49	33.61	-4.14	0.614
90.00	-22.62	-19.48	0.00	-847.71	0.00	847.71	2,297.27	542.66	1,528.16	1,470.44	38.11	-4.44	0.588
95.00	-21.46	-19.23	0.00	-750.29	0.00	750.29	2,210.70	522.21	1,415.17	1,361.17	42.92	-4.74	0.562
97.75	-20.83	-19.07	0.00	-697.43	0.00	697.43	2,163.09	510.97	1,354.87	1,302.87	45.70	-4.91	0.546
100.00	-20.16	-18.93	0.00	-654.53	0.00	654.53	2,124.13	501.76	1,306.52	1,256.12	48.04	-5.05	0.532
101.50	-19.70	-18.78	0.00	-626.14	0.00	626.14	1,105.19	302.60	791.85	659.76	49.64	-5.14	0.971
105.00	-19.08	-18.63	0.00	-560.42	0.00	560.42	1,087.53	294.01	747.54	630.68	53.48	-5.34	0.910
105.90	-18.92	-18.55	0.00	-543.65	0.00	543.65	1,082.86	291.80	736.35	623.22	54.49	-5.43	0.894
106.00	-18.74	-18.29	0.00	-541.79	0.00	541.79	1,082.34	291.56	735.12	622.39	54.60	-5.44	0.892
106.80	-18.46	-17.98	0.00	-527.16	0.00	527.16	1,078.14	289.59	725.25	615.77	55.52	-5.51	0.877
110.00	-17.86	-17.78	0.00	-469.63	0.00	469.63	1,060.92	281.74	686.46	589.40	59.31	-5.79	0.818
115.00	-16.92	-17.12	0.00	-380.72	0.00	380.72	1,032.68	269.47	627.97	548.55	65.59	-6.20	0.714
120.00	-16.09	-16.84	0.00	-295.14	0.00	295.14	1,002.79	257.20	572.09	508.24	72.28	-6.57	0.601
125.00	-14.77	-16.06	0.00	-210.95	0.00	210.95	971.28	244.93	518.82	468.61	79.33	-6.90	0.470
126.00	-12.37	-14.62	0.00	-194.90	0.00	194.90	964.78	242.48	508.47	460.77	80.78	-6.96	0.439
129.20	-11.41	-12.51	0.00	-148.11	0.00	148.11	943.54	234.62	476.08	435.92	85.49	-7.12	0.355
129.40	-11.00	-12.29	0.00	-145.61	0.00	145.61	942.19	234.13	474.09	434.38	85.78	-7.13	0.350
129.50	-10.84	-11.50	0.00	-144.38	0.00	144.38	941.51	233.89	473.09	433.61	85.93	-7.14	0.347
129.70	-10.57	-11.38	0.00	-142.08	0.00	142.08	940.16	233.40	471.11	432.07	86.23	-7.15	0.342
130.00	-10.54	-11.28	0.00	-138.66	0.00	138.66	938.12	232.66	468.14	429.76	86.68	-7.16	0.336
134.00	-9.34	-9.00	0.00	-92.56	0.00	92.56	910.42	222.84	429.48	399.33	92.74	-7.32	0.244
135.00	-9.26	-8.95	0.00	-83.56	0.00	83.56	903.33	220.39	420.08	391.82	94.27	-7.35	0.225
136.00	-7.50	-7.79	0.00	-74.61	0.00	74.61	896.18	217.94	410.77	384.35	95.81	-7.38	0.204
137.80	-7.34	-7.67	0.00	-60.58	0.00	60.58	883.14	213.52	394.29	371.01	98.59	-7.44	0.173

Load Case: **1.2D + 1.0W** **117 mph with No Ice** **29 Iterations**

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

138.90	-7.23	-7.50	0.00	-52.14	0.00	52.14	875.07	210.82	384.39	362.93	100.31	-7.46	0.153
139.20	-6.91	-7.34	0.00	-49.89	0.00	49.89	872.85	210.08	381.71	360.73	100.77	-7.47	0.147
140.00	-6.86	-7.25	0.00	-44.02	0.00	44.02	866.91	208.12	374.61	354.90	102.02	-7.49	0.133
143.00	-3.74	-3.86	0.00	-22.28	0.00	22.28	844.27	200.76	348.58	333.29	106.73	-7.53	0.072
145.00	-3.63	-3.74	0.00	-14.57	0.00	14.57	828.85	195.85	331.75	319.13	109.89	-7.55	0.050
147.30	-2.67	-2.98	0.00	-5.96	0.00	5.96	805.21	190.21	312.90	301.00	113.52	-7.57	0.023
147.50	-2.09	-2.37	0.00	-5.37	0.00	5.37	803.13	189.72	311.29	299.44	113.83	-7.57	0.021
148.60	-1.71	-1.96	0.00	-2.76	0.00	2.76	791.70	187.02	302.50	290.94	115.57	-7.57	0.012
149.00	0.00	-1.71	0.00	-1.98	0.00	1.98	787.55	186.03	299.33	287.88	116.21	-7.57	0.007

Load Case: 0.9D + 1.0W — 117 mph with No Ice (Reduced DL) — 29 Iterations

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

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		202.4	0.0					0.0	0.0	202.4	0.0	0.0	0.0
5.00		400.3	930.3					0.0	159.3	400.3	1,089.6	0.0	0.0
10.00		391.0	908.9					0.0	363.9	391.0	1,272.8	0.0	0.0
15.00		381.8	887.5					0.0	363.9	381.8	1,251.4	0.0	0.0
20.00		372.5	866.1					0.0	363.9	372.5	1,230.0	0.0	0.0
25.00		363.3	844.7					0.0	363.9	363.3	1,208.6	0.0	0.0
30.00		358.2	823.3					0.0	363.9	358.2	1,187.2	0.0	0.0
35.00		360.3	801.9					0.0	363.9	360.3	1,165.8	0.0	0.0
40.00		364.3	780.5					0.0	363.9	364.3	1,144.4	0.0	0.0
45.00		293.0	759.0					0.0	363.9	293.0	1,123.0	0.0	0.0
48.00	Bot - Section 2	184.6	445.2					0.0	218.3	184.6	663.5	0.0	0.0
50.00		195.7	540.4					0.0	145.6	195.7	686.0	0.0	0.0
53.25	Top - Section 1	186.3	864.8					0.0	236.5	186.3	1,101.3	0.0	0.0
55.00		250.8	210.5					0.0	127.4	250.8	337.9	0.0	0.0
60.00		370.1	589.5					0.0	363.9	370.1	953.4	0.0	0.0
65.00		367.1	571.6					0.0	363.9	367.1	935.5	0.0	0.0
70.00		363.2	553.8					0.0	363.9	363.2	917.7	0.0	0.0
75.00		358.4	535.9					0.0	363.9	358.4	899.8	0.0	0.0
80.00		352.8	518.1					0.0	363.9	352.8	882.0	0.0	0.0
85.00		346.5	500.2					0.0	363.9	346.5	864.2	0.0	0.0
90.00		339.6	482.4					0.0	363.9	339.6	846.3	0.0	0.0
95.00		258.7	464.6					0.0	363.9	258.7	828.5	0.0	0.0
97.75	Bot - Section 3	164.9	247.9					0.0	200.2	164.9	448.1	0.0	0.0
100.00		123.3	320.2					0.0	163.8	123.3	483.9	0.0	0.0
101.50	Top - Section 2	161.9	210.2					0.0	109.2	161.9	319.4	0.0	0.0
105.00		141.6	182.2					0.0	254.7	141.6	436.9	0.0	0.0
105.90		31.9	46.0					0.0	65.5	31.9	111.5	0.0	0.0
106.00	Appurtenance(s)	28.5	5.1	230.5	0.0	0.0	135.0	0.0	7.3	259.1	147.4	0.0	0.0
106.80		125.6	40.6					0.0	58.2	125.6	98.8	0.0	0.0
110.00		253.0	159.5					0.0	232.8	253.0	392.3	0.0	0.0
115.00	Appurtenance(s)	300.6	240.5	394.3	0.0	0.0	71.3	0.0	363.8	694.9	675.5	0.0	0.0
120.00		290.5	229.8					0.0	341.6	290.5	571.4	0.0	0.0
125.00	Appurtenance(s)	170.6	219.1	505.1	0.0	0.0	456.8	0.0	341.6	675.7	1,017.5	0.0	0.0
126.00	Appurtenance(s)	115.7	42.5	1,045.7	0.0	0.0	1,800.0	0.0	59.3	1,161.5	1,901.9	0.0	0.0
129.20		93.2	133.2					0.0	142.5	93.2	275.7	0.0	0.0
129.40		8.1	8.2					0.0	7.6	8.1	15.7	0.0	0.0
129.50	Appurtenance(s)	8.1	4.1	758.0	0.0	0.0	183.6	0.0	3.8	766.1	191.5	0.0	0.0
129.70		13.5	8.2					0.0	7.6	13.5	15.7	0.0	0.0
130.00		114.0	12.2					0.0	11.3	114.0	23.5	0.0	0.0
134.00	Appurtenance(s)	131.8	159.0	1,996.6	0.0	967.1	784.1	0.0	151.2	2,128.4	1,094.3	0.0	0.0
135.00		51.6	38.7					0.0	26.8	51.6	65.5	0.0	0.0
136.00	Appurtenance(s)	71.3	38.2	852.7	0.0	0.0	1,350.0	0.0	26.8	924.0	1,415.0	0.0	0.0
137.80		73.1	67.8					0.0	47.6	73.1	115.4	0.0	0.0
138.90		35.0	40.7					0.0	28.7	35.0	69.4	0.0	0.0
139.20		27.2	11.0					0.0	7.8	27.2	18.8	0.0	0.0
140.00		92.5	29.2					0.0	20.8	92.5	50.0	0.0	0.0
143.00	Appurtenance(s)	120.1	107.0	2,834.0	0.0	0.0	2,460.3	0.0	78.2	2,954.1	2,645.5	0.0	0.0
145.00		100.5	69.2					0.0	23.8	100.5	93.0	0.0	0.0

Load Case: **0.9D + 1.0W** **117 mph with No Ice (Reduced DL)** **29 Iterations**

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

147.30		57.8	77.5					0.0	26.3	57.8	103.7	0.0	0.0
147.50	Appurtenance(s)	29.5	6.6	495.7	0.0	0.0	486.0	0.0	1.6	525.2	494.3	0.0	0.0
148.60		33.9	36.2					0.0	8.9	33.9	45.1	0.0	0.0
149.00		9.0	13.0					0.0	3.3	9.0	16.3	0.0	0.0
								Totals:		19,151.4	33,942.0	0.00	0.00

Load Case: 0.9D + 1.0W — 117 mph with No Ice (Reduced DL) — 29 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	-37.80	-24.27	0.00	-2,787.83	0.00	2,787.83	4,132.29	1,078.55	5,030.04	4,392.82	0.00	0.00	0.644
5.00	-36.63	-23.99	0.00	-2,666.47	0.00	2,666.47	4,073.39	1,054.01	4,803.78	4,230.97	0.10	-0.19	0.640
10.00	-35.28	-23.71	0.00	-2,546.52	0.00	2,546.52	4,012.85	1,029.47	4,582.72	4,070.33	0.40	-0.38	0.635
15.00	-33.95	-23.44	0.00	-2,427.95	0.00	2,427.95	3,950.68	1,004.93	4,366.87	3,911.02	0.90	-0.58	0.630
20.00	-32.64	-23.17	0.00	-2,310.76	0.00	2,310.76	3,886.87	980.39	4,156.23	3,753.17	1.61	-0.78	0.625
25.00	-31.36	-22.90	0.00	-2,194.92	0.00	2,194.92	3,821.43	955.85	3,950.79	3,596.88	2.54	-0.98	0.619
30.00	-30.09	-22.63	0.00	-2,080.42	0.00	2,080.42	3,754.35	931.31	3,750.56	3,442.28	3.68	-1.19	0.613
35.00	-28.85	-22.36	0.00	-1,967.26	0.00	1,967.26	3,685.64	906.77	3,555.53	3,289.50	5.05	-1.41	0.606
40.00	-27.63	-22.07	0.00	-1,855.48	0.00	1,855.48	3,615.29	882.23	3,365.72	3,138.64	6.64	-1.63	0.599
45.00	-26.45	-21.83	0.00	-1,745.14	0.00	1,745.14	3,543.30	857.69	3,181.11	2,989.83	8.47	-1.86	0.592
48.00	-25.75	-21.67	0.00	-1,679.66	0.00	1,679.66	3,499.33	842.97	3,072.84	2,901.57	9.68	-2.00	0.587
50.00	-25.02	-21.51	0.00	-1,636.32	0.00	1,636.32	3,469.68	833.15	3,001.70	2,843.18	10.54	-2.09	0.583
53.25	-23.88	-21.33	0.00	-1,566.42	0.00	1,566.42	2,730.90	692.97	2,491.76	2,236.97	12.02	-2.25	0.710
55.00	-23.49	-21.14	0.00	-1,529.09	0.00	1,529.09	2,712.29	685.81	2,440.56	2,198.60	12.86	-2.33	0.705
60.00	-22.45	-20.84	0.00	-1,423.39	0.00	1,423.39	2,658.02	665.36	2,297.20	2,089.85	15.45	-2.61	0.691
65.00	-21.43	-20.53	0.00	-1,319.21	0.00	1,319.21	2,602.11	644.91	2,158.18	1,982.50	18.33	-2.89	0.675
70.00	-20.44	-20.22	0.00	-1,216.55	0.00	1,216.55	2,544.56	624.46	2,023.50	1,876.67	21.50	-3.17	0.657
75.00	-19.46	-19.91	0.00	-1,115.44	0.00	1,115.44	2,485.39	604.01	1,893.15	1,772.48	24.98	-3.46	0.638
80.00	-18.50	-19.60	0.00	-1,015.89	0.00	1,015.89	2,424.57	583.56	1,767.15	1,670.04	28.75	-3.75	0.617
85.00	-17.56	-19.28	0.00	-917.90	0.00	917.90	2,362.12	563.11	1,645.48	1,569.49	32.83	-4.04	0.593
90.00	-16.65	-18.97	0.00	-821.49	0.00	821.49	2,297.27	542.66	1,528.16	1,470.44	37.21	-4.33	0.567
95.00	-15.77	-18.71	0.00	-726.66	0.00	726.66	2,210.70	522.21	1,415.17	1,361.17	41.89	-4.62	0.542
97.75	-15.29	-18.54	0.00	-675.22	0.00	675.22	2,163.09	510.97	1,354.87	1,302.87	44.60	-4.78	0.527
100.00	-14.78	-18.41	0.00	-633.50	0.00	633.50	2,124.13	501.76	1,306.52	1,256.12	46.88	-4.91	0.513
101.50	-14.43	-18.26	0.00	-605.88	0.00	605.88	1,105.19	302.60	791.85	659.76	48.44	-5.00	0.935
105.00	-13.97	-18.11	0.00	-541.99	0.00	541.99	1,087.53	294.01	747.54	630.68	52.18	-5.20	0.876
105.90	-13.84	-18.03	0.00	-525.69	0.00	525.69	1,082.86	291.80	736.35	623.22	53.16	-5.28	0.860
106.00	-13.71	-17.77	0.00	-523.88	0.00	523.88	1,082.34	291.56	735.12	622.39	53.27	-5.29	0.858
106.80	-13.50	-17.45	0.00	-509.67	0.00	509.67	1,078.14	289.59	725.25	615.77	54.16	-5.36	0.844
110.00	-13.03	-17.23	0.00	-453.85	0.00	453.85	1,060.92	281.74	686.46	589.40	57.85	-5.63	0.786
115.00	-12.32	-16.55	0.00	-367.68	0.00	367.68	1,032.68	269.47	627.97	548.55	63.96	-6.03	0.686
120.00	-11.69	-16.27	0.00	-284.91	0.00	284.91	1,002.79	257.20	572.09	508.24	70.46	-6.39	0.576
125.00	-10.71	-15.52	0.00	-203.55	0.00	203.55	971.28	244.93	518.82	468.61	77.31	-6.70	0.449
126.00	-8.93	-14.16	0.00	-188.03	0.00	188.03	964.78	242.48	508.47	460.77	78.72	-6.76	0.421
129.20	-8.26	-12.08	0.00	-142.72	0.00	142.72	943.54	234.62	476.08	435.92	83.30	-6.92	0.339
129.40	-7.96	-11.88	0.00	-140.30	0.00	140.30	942.19	234.13	474.09	434.38	83.59	-6.93	0.334
129.50	-7.86	-11.09	0.00	-139.12	0.00	139.12	941.51	233.89	473.09	433.61	83.73	-6.93	0.331
129.70	-7.66	-10.99	0.00	-136.90	0.00	136.90	940.16	233.40	471.11	432.07	84.02	-6.94	0.327
130.00	-7.63	-10.88	0.00	-133.60	0.00	133.60	938.12	232.66	468.14	429.76	84.46	-6.95	0.321
134.00	-6.79	-8.65	0.00	-89.11	0.00	89.11	910.42	222.84	429.48	399.33	90.34	-7.11	0.232
135.00	-6.73	-8.59	0.00	-80.46	0.00	80.46	903.33	220.39	420.08	391.82	91.83	-7.14	0.214
136.00	-5.44	-7.50	0.00	-71.87	0.00	71.87	896.18	217.94	410.77	384.35	93.32	-7.17	0.194
137.80	-5.32	-7.39	0.00	-58.37	0.00	58.37	883.14	213.52	394.29	371.01	96.03	-7.22	0.165

Load Case: 0.9D + 1.0W — 117 mph with No Ice (Reduced DL) — 29 Iterations

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

138.90	-5.24	-7.21	0.00	-50.25	0.00	50.25	875.07	210.82	384.39	362.93	97.69	-7.25	0.146
139.20	-5.01	-7.07	0.00	-48.08	0.00	48.08	872.85	210.08	381.71	360.73	98.15	-7.25	0.140
140.00	-4.96	-6.97	0.00	-42.43	0.00	42.43	866.91	208.12	374.61	354.90	99.36	-7.27	0.126
143.00	-2.71	-3.71	0.00	-21.51	0.00	21.51	844.27	200.76	348.58	333.29	103.93	-7.32	0.068
145.00	-2.63	-3.60	0.00	-14.09	0.00	14.09	828.85	195.85	331.75	319.13	106.99	-7.33	0.048
147.30	-1.93	-2.87	0.00	-5.82	0.00	5.82	805.21	190.21	312.90	301.00	110.52	-7.35	0.022
147.50	-1.51	-2.28	0.00	-5.25	0.00	5.25	803.13	189.72	311.29	299.44	110.83	-7.35	0.020
148.60	-1.23	-1.89	0.00	-2.73	0.00	2.73	791.70	187.02	302.50	290.94	112.52	-7.35	0.011
149.00	0.00	-1.71	0.00	-1.98	0.00	1.98	787.55	186.03	299.33	287.88	113.13	-7.35	0.007

Load Case: 1.2D + 1.0Di + 1.0Wi 49 mph with 0.85 in Radial Ice 29 Iterations

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

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces Wind FX (lb)	Shaft Forces Dead Load (lb)	Discrete Forces Wind FX (lb)	Discrete Forces Torsion MY (lb-ft)	Discrete Forces Moment MZ (lb-ft)	Discrete Forces Dead Load (lb)	Linear Forces Wind FX (lb)	Linear Forces Dead Load (lb)	Sum of Forces Wind FX (lb)	Sum of Forces Dead Load (lb)	Sum of Forces Torsion MY (lb-ft)	Sum of Forces Moment MZ (lb)
0.00		59.2	0.0					0.0	0.0	59.2	0.0	0.0	0.0
5.00		117.3	1,452.3					0.0	233.2	117.3	1,685.5	0.0	0.0
10.00		114.9	1,443.3					0.0	508.2	114.9	1,951.5	0.0	0.0
15.00		112.4	1,421.4					0.0	509.3	112.4	1,930.7	0.0	0.0
20.00		109.9	1,395.3					0.0	510.0	109.9	1,905.3	0.0	0.0
25.00		107.3	1,366.9					0.0	510.6	107.3	1,877.5	0.0	0.0
30.00		106.0	1,337.2					0.0	511.1	106.0	1,848.3	0.0	0.0
35.00		106.8	1,306.5					0.0	511.5	106.8	1,818.0	0.0	0.0
40.00		108.1	1,275.1					0.0	511.9	108.1	1,787.0	0.0	0.0
45.00		87.1	1,243.1					0.0	512.2	87.1	1,755.4	0.0	0.0
48.00	Bot - Section 2	54.9	731.1					0.0	307.5	54.9	1,038.6	0.0	0.0
50.00		58.2	813.1					0.0	205.0	58.2	1,018.1	0.0	0.0
53.25	Top - Section 1	55.5	1,301.5					0.0	333.3	55.5	1,634.7	0.0	0.0
55.00		74.8	360.2					0.0	179.5	74.8	539.7	0.0	0.0
60.00		110.5	1,007.9					0.0	513.0	110.5	1,521.0	0.0	0.0
65.00		109.8	979.4					0.0	513.3	109.8	1,492.6	0.0	0.0
70.00		108.8	950.6					0.0	513.5	108.8	1,464.0	0.0	0.0
75.00		107.6	921.6					0.0	513.7	107.6	1,435.2	0.0	0.0
80.00		106.1	892.4					0.0	513.9	106.1	1,406.3	0.0	0.0
85.00		104.5	863.0					0.0	514.1	104.5	1,377.1	0.0	0.0
90.00		102.6	833.5					0.0	514.2	102.6	1,347.7	0.0	0.0
95.00		78.3	803.9					0.0	514.4	78.3	1,318.3	0.0	0.0
97.75	Bot - Section 3	50.0	430.3					0.0	283.0	50.0	713.3	0.0	0.0
100.00		37.4	508.3					0.0	231.6	37.4	739.9	0.0	0.0
101.50	Top - Section 2	49.2	334.1					0.0	154.4	49.2	488.5	0.0	0.0
105.00		43.0	365.3					0.0	360.3	43.0	725.6	0.0	0.0
105.90		9.7	92.6					0.0	92.7	9.7	185.3	0.0	0.0
106.00	Appurtenance(s)	8.7	10.3	48.6	0.0	0.0	209.6	0.0	10.3	57.3	230.2	0.0	0.0
106.80		38.3	81.7					0.0	82.3	38.3	164.1	0.0	0.0
110.00		77.3	320.6					0.0	329.4	77.3	650.0	0.0	0.0
115.00	Appurtenance(s)	92.0	482.8	85.8	0.0	0.0	208.5	0.0	514.8	177.8	1,206.1	0.0	0.0
120.00		89.3	462.2					0.0	485.4	89.3	947.6	0.0	0.0
125.00	Appurtenance(s)	52.5	441.4	125.8	0.0	0.0	883.9	0.0	485.5	178.4	1,810.8	0.0	0.0
126.00	Appurtenance(s)	35.8	86.4	272.6	0.0	0.0	2,936.8	0.0	85.1	308.3	3,108.3	0.0	0.0
129.20		28.8	269.8					0.0	209.3	28.8	479.1	0.0	0.0
129.40		2.5	16.7					0.0	11.3	2.5	28.0	0.0	0.0
129.50	Appurtenance(s)	2.5	8.3	151.9	0.0	0.0	565.5	0.0	5.6	154.4	579.4	0.0	0.0
129.70		4.2	16.6					0.0	11.3	4.2	27.9	0.0	0.0
130.00		35.4	24.9					0.0	16.9	35.4	41.8	0.0	0.0
134.00	Appurtenance(s)	40.9	322.0	400.6	0.0	185.2	2,046.8	0.0	225.8	441.5	2,594.7	0.0	0.0
135.00		16.0	78.8					0.0	41.8	16.0	120.6	0.0	0.0
136.00	Appurtenance(s)	22.2	78.0	221.7	0.0	0.0	2,071.2	0.0	41.8	243.9	2,191.0	0.0	0.0
137.80		22.8	138.1					0.0	74.4	22.8	212.5	0.0	0.0
138.90		10.9	83.2					0.0	44.9	10.9	128.1	0.0	0.0
139.20		8.5	22.5					0.0	12.2	8.5	34.8	0.0	0.0
140.00		29.0	59.7					0.0	32.7	29.0	92.3	0.0	0.0
143.00	Appurtenance(s)	37.7	218.0	628.0	0.0	0.0	4,465.5	0.0	122.5	665.6	4,806.0	0.0	0.0
145.00		31.6	141.4					0.0	31.8	31.6	173.2	0.0	0.0

Load Case: **1.2D + 1.0Di + 1.0Wi** **49 mph with 0.85 in Radial Ice** **29 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

147.30		18.2	158.4					0.0	35.0	18.2	193.4	0.0	0.0
147.50	Appurtenance(s)	9.3	13.6	100.0	0.0	0.0	4,081.9	0.0	2.2	109.3	4,097.7	0.0	0.0
148.60		10.7	74.2					0.0	11.9	10.7	86.1	0.0	0.0
149.00		2.8	26.8					0.0	4.3	2.8	31.1	0.0	0.0
								Totals:		5,052.91	59,039.6	0.00	0.00

Load Case: 1.2D + 1.0Di + 1.0Wi 49 mph with 0.85 in Radial Ice 29 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	-66.84	-6.11	0.00	-710.06	0.00	710.06	4,132.29	1,078.55	5,030.04	4,392.82	0.00	0.00	0.178
5.00	-65.15	-6.05	0.00	-679.52	0.00	679.52	4,073.39	1,054.01	4,803.78	4,230.97	0.03	-0.05	0.177
10.00	-63.20	-5.98	0.00	-649.29	0.00	649.29	4,012.85	1,029.47	4,582.72	4,070.33	0.10	-0.10	0.175
15.00	-61.26	-5.92	0.00	-619.38	0.00	619.38	3,950.68	1,004.93	4,366.87	3,911.02	0.23	-0.15	0.174
20.00	-59.35	-5.86	0.00	-589.78	0.00	589.78	3,886.87	980.39	4,156.23	3,753.17	0.41	-0.20	0.172
25.00	-57.47	-5.80	0.00	-560.49	0.00	560.49	3,821.43	955.85	3,950.79	3,596.88	0.65	-0.25	0.171
30.00	-55.62	-5.74	0.00	-531.50	0.00	531.50	3,754.35	931.31	3,750.56	3,442.28	0.94	-0.30	0.169
35.00	-53.79	-5.67	0.00	-502.82	0.00	502.82	3,685.64	906.77	3,555.53	3,289.50	1.29	-0.36	0.167
40.00	-52.00	-5.60	0.00	-474.47	0.00	474.47	3,615.29	882.23	3,365.72	3,138.64	1.69	-0.42	0.166
45.00	-50.24	-5.54	0.00	-446.46	0.00	446.46	3,543.30	857.69	3,181.11	2,989.83	2.16	-0.47	0.164
48.00	-49.20	-5.50	0.00	-429.83	0.00	429.83	3,499.33	842.97	3,072.84	2,901.57	2.47	-0.51	0.162
50.00	-48.18	-5.46	0.00	-418.83	0.00	418.83	3,469.68	833.15	3,001.70	2,843.18	2.69	-0.53	0.161
53.25	-46.54	-5.42	0.00	-401.07	0.00	401.07	2,730.90	692.97	2,491.76	2,236.97	3.07	-0.57	0.196
55.00	-46.00	-5.37	0.00	-391.59	0.00	391.59	2,712.29	685.81	2,440.56	2,198.60	3.28	-0.60	0.195
60.00	-44.47	-5.30	0.00	-364.72	0.00	364.72	2,658.02	665.36	2,297.20	2,089.85	3.94	-0.67	0.191
65.00	-42.98	-5.23	0.00	-338.21	0.00	338.21	2,602.11	644.91	2,158.18	1,982.50	4.68	-0.74	0.187
70.00	-41.51	-5.15	0.00	-312.07	0.00	312.07	2,544.56	624.46	2,023.50	1,876.67	5.49	-0.81	0.183
75.00	-40.07	-5.08	0.00	-286.30	0.00	286.30	2,485.39	604.01	1,893.15	1,772.48	6.38	-0.88	0.178
80.00	-38.66	-5.00	0.00	-260.93	0.00	260.93	2,424.57	583.56	1,767.15	1,670.04	7.35	-0.96	0.172
85.00	-37.28	-4.92	0.00	-235.94	0.00	235.94	2,362.12	563.11	1,645.48	1,569.49	8.39	-1.03	0.166
90.00	-35.92	-4.84	0.00	-211.35	0.00	211.35	2,297.27	542.66	1,528.16	1,470.44	9.51	-1.11	0.159
95.00	-34.60	-4.77	0.00	-187.17	0.00	187.17	2,210.70	522.21	1,415.17	1,361.17	10.71	-1.18	0.153
97.75	-33.89	-4.72	0.00	-174.06	0.00	174.06	2,163.09	510.97	1,354.87	1,302.87	11.41	-1.22	0.149
100.00	-33.15	-4.69	0.00	-163.43	0.00	163.43	2,124.13	501.76	1,306.52	1,256.12	11.99	-1.26	0.146
101.50	-32.66	-4.65	0.00	-156.40	0.00	156.40	1,105.19	302.60	791.85	659.76	12.39	-1.28	0.267
105.00	-31.93	-4.61	0.00	-140.13	0.00	140.13	1,087.53	294.01	747.54	630.68	13.35	-1.33	0.252
105.90	-31.72	-4.59	0.00	-135.98	0.00	135.98	1,082.86	291.80	736.35	623.22	13.60	-1.35	0.248
106.00	-31.49	-4.53	0.00	-135.52	0.00	135.52	1,082.34	291.56	735.12	622.39	13.63	-1.36	0.247
106.80	-31.13	-4.47	0.00	-131.90	0.00	131.90	1,078.14	289.59	725.25	615.77	13.86	-1.37	0.243
110.00	-30.48	-4.42	0.00	-117.60	0.00	117.60	1,060.92	281.74	686.46	589.40	14.81	-1.45	0.229
115.00	-29.27	-4.26	0.00	-95.50	0.00	95.50	1,032.68	269.47	627.97	548.55	16.38	-1.55	0.203
120.00	-28.32	-4.19	0.00	-74.19	0.00	74.19	1,002.79	257.20	572.09	508.24	18.05	-1.64	0.174
125.00	-26.51	-3.98	0.00	-53.24	0.00	53.24	971.28	244.93	518.82	468.61	19.81	-1.72	0.141
126.00	-23.41	-3.59	0.00	-49.26	0.00	49.26	964.78	242.48	508.47	460.77	20.18	-1.74	0.131
129.20	-21.32	-3.13	0.00	-37.77	0.00	37.77	943.54	234.62	476.08	435.92	21.36	-1.78	0.109
129.40	-20.75	-3.08	0.00	-37.15	0.00	37.15	942.19	234.13	474.09	434.38	21.43	-1.78	0.108
129.50	-20.18	-2.91	0.00	-36.84	0.00	36.84	941.51	233.89	473.09	433.61	21.47	-1.78	0.107
129.70	-19.81	-2.88	0.00	-36.26	0.00	36.26	940.16	233.40	471.11	432.07	21.54	-1.79	0.105
130.00	-19.77	-2.85	0.00	-35.39	0.00	35.39	938.12	232.66	468.14	429.76	21.65	-1.79	0.104
134.00	-17.19	-2.33	0.00	-23.81	0.00	23.81	910.42	222.84	429.48	399.33	23.17	-1.83	0.079
135.00	-17.07	-2.32	0.00	-21.48	0.00	21.48	903.33	220.39	420.08	391.82	23.56	-1.84	0.074
136.00	-14.89	-2.00	0.00	-19.17	0.00	19.17	896.18	217.94	410.77	384.35	23.94	-1.85	0.067
137.80	-14.64	-1.97	0.00	-15.56	0.00	15.56	883.14	213.52	394.29	371.01	24.64	-1.86	0.059

Load Case: 1.2D + 1.0Di + 1.0Wi — 49 mph with 0.85 in Radial Ice — 29 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

138.90	-14.42	-1.92	0.00	-13.40	0.00	13.40	875.07	210.82	384.39	362.93	25.07	-1.87	0.053
139.20	-14.00	-1.88	0.00	-12.82	0.00	12.82	872.85	210.08	381.71	360.73	25.19	-1.87	0.052
140.00	-13.91	-1.85	0.00	-11.31	0.00	11.31	866.91	208.12	374.61	354.90	25.50	-1.87	0.048
143.00	-9.13	-1.03	0.00	-5.76	0.00	5.76	844.27	200.76	348.58	333.29	26.68	-1.89	0.028
145.00	-8.96	-0.99	0.00	-3.70	0.00	3.70	828.85	195.85	331.75	319.13	27.47	-1.89	0.022
147.30	-7.52	-0.81	0.00	-1.41	0.00	1.41	805.21	190.21	312.90	301.00	28.38	-1.89	0.014
147.50	-3.42	-0.56	0.00	-1.25	0.00	1.25	803.13	189.72	311.29	299.44	28.46	-1.89	0.008
148.60	-2.79	-0.47	0.00	-0.63	0.00	0.63	791.70	187.02	302.50	290.94	28.90	-1.89	0.006
149.00	0.00	-0.37	0.00	-0.44	0.00	0.44	787.55	186.03	299.33	287.88	29.06	-1.89	0.002

Load Case: 1.0D + 1.0W Serviceability 60 mph 28 Iterations

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

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		47.7	0.0					0.0	0.0	47.7	0.0	0.0	0.0
5.00		94.2	1,033.7					0.0	177.0	94.2	1,210.7	0.0	0.0
10.00		92.1	1,009.9					0.0	404.3	92.1	1,414.3	0.0	0.0
15.00		89.9	986.1					0.0	404.3	89.9	1,390.5	0.0	0.0
20.00		87.7	962.3					0.0	404.3	87.7	1,366.7	0.0	0.0
25.00		85.5	938.5					0.0	404.3	85.5	1,342.9	0.0	0.0
30.00		84.3	914.8					0.0	404.3	84.3	1,319.1	0.0	0.0
35.00		84.8	891.0					0.0	404.3	84.8	1,295.3	0.0	0.0
40.00		85.8	867.2					0.0	404.3	85.8	1,271.5	0.0	0.0
45.00		69.0	843.4					0.0	404.3	69.0	1,247.7	0.0	0.0
48.00	Bot - Section 2	43.5	494.6					0.0	242.6	43.5	737.2	0.0	0.0
50.00		46.1	600.4					0.0	161.7	46.1	762.2	0.0	0.0
53.25	Top - Section 1	43.9	960.8					0.0	262.8	43.9	1,223.7	0.0	0.0
55.00		59.1	233.9					0.0	141.5	59.1	375.4	0.0	0.0
60.00		87.1	654.9					0.0	404.3	87.1	1,059.3	0.0	0.0
65.00		86.4	635.1					0.0	404.3	86.4	1,039.5	0.0	0.0
70.00		85.5	615.3					0.0	404.3	85.5	1,019.6	0.0	0.0
75.00		84.4	595.5					0.0	404.3	84.4	999.8	0.0	0.0
80.00		83.1	575.6					0.0	404.3	83.1	980.0	0.0	0.0
85.00		81.6	555.8					0.0	404.3	81.6	960.2	0.0	0.0
90.00		80.0	536.0					0.0	404.3	80.0	940.3	0.0	0.0
95.00		60.9	516.2					0.0	404.3	60.9	920.5	0.0	0.0
97.75	Bot - Section 3	38.8	275.4					0.0	222.4	38.8	497.8	0.0	0.0
100.00		29.0	355.7					0.0	182.0	29.0	537.7	0.0	0.0
101.50	Top - Section 2	38.1	233.6					0.0	121.3	38.1	354.9	0.0	0.0
105.00		33.3	202.4					0.0	283.0	33.3	485.5	0.0	0.0
105.90		7.5	51.1					0.0	72.8	7.5	123.9	0.0	0.0
106.00	Appurtenance(s)	6.7	5.7	54.3	0.0	0.0	150.0	0.0	8.1	61.0	163.7	0.0	0.0
106.80		29.6	45.1					0.0	64.7	29.6	109.7	0.0	0.0
110.00		59.6	177.2					0.0	258.7	59.6	435.9	0.0	0.0
115.00	Appurtenance(s)	70.8	267.2	92.8	0.0	0.0	79.2	0.0	404.2	163.6	750.6	0.0	0.0
120.00		68.4	255.3					0.0	379.6	68.4	634.9	0.0	0.0
125.00	Appurtenance(s)	40.2	243.4	118.9	0.0	0.0	507.6	0.0	379.6	159.1	1,130.6	0.0	0.0
126.00	Appurtenance(s)	27.2	47.3	246.2	0.0	0.0	2,000.0	0.0	65.9	273.5	2,113.2	0.0	0.0
129.20		22.0	148.0					0.0	158.4	22.0	306.4	0.0	0.0
129.40		1.9	9.1					0.0	8.4	1.9	17.5	0.0	0.0
129.50	Appurtenance(s)	1.9	4.5	178.5	0.0	0.0	204.0	0.0	4.2	180.4	212.7	0.0	0.0
129.70		3.2	9.1					0.0	8.4	3.2	17.5	0.0	0.0
130.00		26.8	13.6					0.0	12.6	26.8	26.2	0.0	0.0
134.00	Appurtenance(s)	31.0	176.6	470.1	0.0	227.7	871.2	0.0	168.0	501.1	1,215.9	0.0	0.0
135.00		12.1	43.0					0.0	29.8	12.1	72.7	0.0	0.0
136.00	Appurtenance(s)	16.8	42.5	200.8	0.0	0.0	1,500.0	0.0	29.8	217.6	1,572.3	0.0	0.0
137.80		17.2	75.3					0.0	52.9	17.2	128.2	0.0	0.0
138.90		8.2	45.3					0.0	31.8	8.2	77.1	0.0	0.0
139.20		6.4	12.2					0.0	8.7	6.4	20.9	0.0	0.0
140.00		21.8	32.4					0.0	23.2	21.8	55.6	0.0	0.0
143.00	Appurtenance(s)	28.3	118.9	667.3	0.0	0.0	2,733.7	0.0	86.9	695.6	2,939.5	0.0	0.0
145.00		23.7	76.9					0.0	26.5	23.7	103.4	0.0	0.0

Load Case: **1.0D + 1.0W** **Serviceability 60 mph** **28 Iterations**

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

147.30		13.6	86.1					0.0	29.2	13.6	115.2	0.0	0.0
147.50	Appurtenance(s)	6.9	7.4	116.7	0.0	0.0	540.0	0.0	1.8	123.7	549.2	0.0	0.0
148.60		8.0	40.2					0.0	9.9	8.0	50.1	0.0	0.0
149.00		2.1	14.5					0.0	3.6	2.1	18.1	0.0	0.0
								Totals:		4,509.35	37,713.3	0.00	0.00

Load Case: 1.0D + 1.0W Serviceability 60 mph 28 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	-42.04	-5.72	0.00	-661.88	0.00	661.88	4,132.29	1,078.55	5,030.04	4,392.82	0.00	0.00	0.161
5.00	-40.83	-5.65	0.00	-633.30	0.00	633.30	4,073.39	1,054.01	4,803.78	4,230.97	0.02	-0.04	0.160
10.00	-39.41	-5.59	0.00	-605.03	0.00	605.03	4,012.85	1,029.47	4,582.72	4,070.33	0.09	-0.09	0.158
15.00	-38.01	-5.53	0.00	-577.07	0.00	577.07	3,950.68	1,004.93	4,366.87	3,911.02	0.21	-0.14	0.157
20.00	-36.64	-5.47	0.00	-549.42	0.00	549.42	3,886.87	980.39	4,156.23	3,753.17	0.38	-0.18	0.156
25.00	-35.30	-5.41	0.00	-522.07	0.00	522.07	3,821.43	955.85	3,950.79	3,596.88	0.60	-0.23	0.154
30.00	-33.97	-5.35	0.00	-495.03	0.00	495.03	3,754.35	931.31	3,750.56	3,442.28	0.87	-0.28	0.153
35.00	-32.67	-5.29	0.00	-468.28	0.00	468.28	3,685.64	906.77	3,555.53	3,289.50	1.20	-0.34	0.151
40.00	-31.40	-5.22	0.00	-441.84	0.00	441.84	3,615.29	882.23	3,365.72	3,138.64	1.58	-0.39	0.149
45.00	-30.15	-5.17	0.00	-415.73	0.00	415.73	3,543.30	857.69	3,181.11	2,989.83	2.01	-0.44	0.148
48.00	-29.41	-5.13	0.00	-400.22	0.00	400.22	3,499.33	842.97	3,072.84	2,901.57	2.30	-0.48	0.146
50.00	-28.64	-5.10	0.00	-389.96	0.00	389.96	3,469.68	833.15	3,001.70	2,843.18	2.51	-0.50	0.145
53.25	-27.42	-5.05	0.00	-373.40	0.00	373.40	2,730.90	692.97	2,491.76	2,236.97	2.86	-0.53	0.177
55.00	-27.04	-5.01	0.00	-364.55	0.00	364.55	2,712.29	685.81	2,440.56	2,198.60	3.06	-0.56	0.176
60.00	-25.97	-4.94	0.00	-339.49	0.00	339.49	2,658.02	665.36	2,297.20	2,089.85	3.67	-0.62	0.172
65.00	-24.93	-4.87	0.00	-314.78	0.00	314.78	2,602.11	644.91	2,158.18	1,982.50	4.36	-0.69	0.168
70.00	-23.90	-4.80	0.00	-290.40	0.00	290.40	2,544.56	624.46	2,023.50	1,876.67	5.12	-0.75	0.164
75.00	-22.90	-4.73	0.00	-266.38	0.00	266.38	2,485.39	604.01	1,893.15	1,772.48	5.94	-0.82	0.160
80.00	-21.92	-4.66	0.00	-242.71	0.00	242.71	2,424.57	583.56	1,767.15	1,670.04	6.84	-0.89	0.154
85.00	-20.95	-4.59	0.00	-219.40	0.00	219.40	2,362.12	563.11	1,645.48	1,569.49	7.81	-0.96	0.149
90.00	-20.01	-4.52	0.00	-196.44	0.00	196.44	2,297.27	542.66	1,528.16	1,470.44	8.86	-1.03	0.142
95.00	-19.08	-4.46	0.00	-173.85	0.00	173.85	2,210.70	522.21	1,415.17	1,361.17	9.98	-1.10	0.136
97.75	-18.58	-4.42	0.00	-161.58	0.00	161.58	2,163.09	510.97	1,354.87	1,302.87	10.62	-1.14	0.133
100.00	-18.05	-4.39	0.00	-151.64	0.00	151.64	2,124.13	501.76	1,306.52	1,256.12	11.17	-1.17	0.129
101.50	-17.69	-4.36	0.00	-145.05	0.00	145.05	1,105.19	302.60	791.85	659.76	11.54	-1.19	0.236
105.00	-17.20	-4.32	0.00	-129.81	0.00	129.81	1,087.53	294.01	747.54	630.68	12.43	-1.24	0.222
105.90	-17.07	-4.30	0.00	-125.92	0.00	125.92	1,082.86	291.80	736.35	623.22	12.67	-1.26	0.218
106.00	-16.91	-4.24	0.00	-125.49	0.00	125.49	1,082.34	291.56	735.12	622.39	12.69	-1.26	0.217
106.80	-16.70	-4.17	0.00	-122.09	0.00	122.09	1,078.14	289.59	725.25	615.77	12.91	-1.28	0.214
110.00	-16.26	-4.12	0.00	-108.76	0.00	108.76	1,060.92	281.74	686.46	589.40	13.79	-1.34	0.200
115.00	-15.50	-3.96	0.00	-88.16	0.00	88.16	1,032.68	269.47	627.97	548.55	15.25	-1.44	0.176
120.00	-14.87	-3.90	0.00	-68.34	0.00	68.34	1,002.79	257.20	572.09	508.24	16.80	-1.53	0.150
125.00	-13.74	-3.72	0.00	-48.84	0.00	48.84	971.28	244.93	518.82	468.61	18.44	-1.60	0.119
126.00	-11.63	-3.39	0.00	-45.12	0.00	45.12	964.78	242.48	508.47	460.77	18.78	-1.61	0.110
129.20	-10.65	-2.90	0.00	-34.27	0.00	34.27	943.54	234.62	476.08	435.92	19.87	-1.65	0.090
129.40	-10.29	-2.85	0.00	-33.69	0.00	33.69	942.19	234.13	474.09	434.38	19.94	-1.65	0.089
129.50	-10.08	-2.66	0.00	-33.40	0.00	33.40	941.51	233.89	473.09	433.61	19.98	-1.66	0.088
129.70	-9.85	-2.64	0.00	-32.87	0.00	32.87	940.16	233.40	471.11	432.07	20.05	-1.66	0.087
130.00	-9.83	-2.61	0.00	-32.08	0.00	32.08	938.12	232.66	468.14	429.76	20.15	-1.66	0.085
134.00	-8.62	-2.08	0.00	-21.41	0.00	21.41	910.42	222.84	429.48	399.33	21.56	-1.70	0.063
135.00	-8.55	-2.07	0.00	-19.33	0.00	19.33	903.33	220.39	420.08	391.82	21.91	-1.71	0.059
136.00	-6.99	-1.80	0.00	-17.26	0.00	17.26	896.18	217.94	410.77	384.35	22.27	-1.71	0.053
137.80	-6.84	-1.77	0.00	-14.02	0.00	14.02	883.14	213.52	394.29	371.01	22.92	-1.72	0.046

Load Case: 1.0D + 1.0W Serviceability 60 mph 28 Iterations

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

138.90	-6.73	-1.73	0.00	-12.07	0.00	12.07	875.07	210.82	384.39	362.93	23.32	-1.73	0.041
139.20	-6.46	-1.70	0.00	-11.55	0.00	11.55	872.85	210.08	381.71	360.73	23.43	-1.73	0.039
140.00	-6.41	-1.68	0.00	-10.19	0.00	10.19	866.91	208.12	374.61	354.90	23.72	-1.74	0.036
143.00	-3.49	-0.89	0.00	-5.16	0.00	5.16	844.27	200.76	348.58	333.29	24.81	-1.75	0.020
145.00	-3.39	-0.86	0.00	-3.38	0.00	3.38	828.85	195.85	331.75	319.13	25.55	-1.75	0.015
147.30	-2.52	-0.69	0.00	-1.39	0.00	1.39	805.21	190.21	312.90	301.00	26.39	-1.76	0.008
147.50	-1.97	-0.55	0.00	-1.25	0.00	1.25	803.13	189.72	311.29	299.44	26.46	-1.76	0.007
148.60	-1.61	-0.45	0.00	-0.65	0.00	0.65	791.70	187.02	302.50	290.94	26.87	-1.76	0.004
149.00	0.00	-0.40	0.00	-0.47	0.00	0.47	787.55	186.03	299.33	287.88	27.02	-1.76	0.002

Equivalent Lateral Forces Method Analysis

Spectral Response Acceleration for Short Period (S_S):	0.20
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.05
Long-Period Transition Period (T_L):	6
Importance Factor (I_E):	1.00
Site Coefficient F_a:	1.60
Site Coeffiecient F_v:	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.21
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.08
Seismic Response Coefficient (C_s):	0.03
Upper Limit C_s	0.03
Lower Limit C_s	0.03
Period based on Rayleigh Method (sec):	2.99
Redundancy Factor (p):	1.00
Seismic Force Distribution Exponent (k):	2.00
Total Unfactored Dead Load:	42.04 k
Seismic Base Shear (E):	1.26 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)
51	148.80	18	400	0.001	1	22
50	148.05	50	1,098	0.003	4	62
49	147.40	9	199	0.001	1	11
48	146.15	115	2,462	0.006	8	143
47	144.00	103	2,143	0.005	7	128
46	141.50	206	4,120	0.011	13	256
45	139.60	56	1,083	0.003	4	69
44	139.05	21	405	0.001	1	26
43	138.35	77	1,476	0.004	5	96
42	136.90	128	2,403	0.006	8	159
41	135.50	72	1,327	0.003	4	90
40	134.50	73	1,316	0.003	4	90
39	132.00	345	6,006	0.015	19	428
38	129.85	26	441	0.001	1	33
37	129.60	17	293	0.001	1	22
36	129.45	9	146	0.000	0	11
35	129.30	17	292	0.001	1	22
34	127.60	306	4,988	0.013	16	381
33	125.50	113	1,783	0.005	6	141
32	122.50	623	9,349	0.024	30	774
31	117.50	635	8,765	0.022	28	789
30	112.50	671	8,497	0.022	27	834
29	108.40	436	5,122	0.013	17	542
28	106.40	110	1,242	0.003	4	136
27	105.95	14	154	0.000	0	17

26	105.45	124	1,378	0.004	4	154
25	103.25	485	5,175	0.013	17	603
24	100.75	355	3,602	0.009	12	441
23	98.88	538	5,257	0.013	17	668
22	96.38	498	4,624	0.012	15	619
21	92.50	921	7,876	0.020	25	1,144
20	87.50	940	7,200	0.018	23	1,169
19	82.50	960	6,535	0.017	21	1,193
18	77.50	980	5,886	0.015	19	1,218
17	72.50	1,000	5,255	0.013	17	1,242
16	67.50	1,020	4,646	0.012	15	1,267
15	62.50	1,039	4,060	0.010	13	1,292
14	57.50	1,059	3,502	0.009	11	1,316
13	54.13	375	1,100	0.003	4	467
12	51.63	1,224	3,261	0.008	11	1,521
11	49.00	762	1,830	0.005	6	947
10	46.50	737	1,594	0.004	5	916
9	42.50	1,248	2,254	0.006	7	1,551
8	37.50	1,272	1,788	0.005	6	1,580
7	32.50	1,295	1,368	0.004	4	1,610
6	27.50	1,319	998	0.003	3	1,639
5	22.50	1,343	680	0.002	2	1,669
4	17.50	1,367	419	0.001	1	1,698
3	12.50	1,390	217	0.001	1	1,728
2	7.50	1,414	80	0.000	0	1,757
1	2.50	1,211	8	0.000	0	1,504
DragonWave Horizon C	149.00	32	706	0.002	2	40
DragonWave A-ANT-23G	149.00	15	333	0.001	1	19
Alcatel-Lucent RRH2x	149.00	317	7,047	0.018	23	394
Alcatel-Lucent 1900	149.00	180	3,996	0.010	13	224
Nokia 2.5G MAA - AAH	149.00	311	6,900	0.018	22	386
DragonWave A-ANT-11G	149.00	54	1,199	0.003	4	67
RFS APXVFRR12X-C-I20	149.00	138	3,064	0.008	10	171
Collar Mount	149.00	560	12,433	0.032	40	696
Ericsson Air6449 B41	148.60	312	6,890	0.018	22	388
Ericsson Air 3246 B6	147.50	540	11,748	0.030	38	671
Ericsson Radio 4449	147.30	225	4,882	0.013	16	280
Ericsson RRUS 4415 B	147.30	138	2,994	0.008	10	171
Ericsson AIR32 B66Aa	147.30	397	8,605	0.022	28	493
RFS APXVAARR24_43-U-	143.00	384	7,846	0.020	25	477
Platform with SitePr	143.00	2,350	48,055	0.123	155	2,920
Samsung B2/B66A RRH-	139.20	253	4,906	0.013	16	315
Raycap RCMDC-6627-PF	138.90	32	617	0.002	2	40
RFS FD9R6004/2C-3L	137.80	16	296	0.001	1	19
Round Low Profile Pl	136.00	1,500	27,744	0.071	90	1,864
Samsung B5/B13 RRH-B	134.00	211	3,787	0.010	12	262
Samsung MT6407-77A	134.00	245	4,396	0.011	14	304
Andrew DB854DG65ESX	134.00	56	997	0.003	3	69
JMA Wireless MX06FRO	134.00	360	6,464	0.017	21	447
Ericsson RRUS 8843 B	129.70	216	3,634	0.009	12	268
CCI CCI-HPA-65R-BUU-	129.50	204	3,421	0.009	11	254
Ericsson Radio 4415	129.40	129	2,160	0.006	7	160
Ericsson RRUS 4449 B	129.40	213	3,567	0.009	12	265
Kathrein Scala 80010	129.20	688	11,478	0.029	37	854
Round Platform w/ Ha	126.00	2,000	31,752	0.081	103	2,485
Commscope WCS-IMFQ-A	125.00	30	461	0.001	1	37
Raycap DC6-48-60-0-8	125.00	33	513	0.001	2	41
Raycap DC6-48-60-0-8	125.00	66	1,025	0.003	3	82
Ericsson RRUS 4478 B	125.00	180	2,808	0.007	9	223
Generic Mount Reinfo	125.00	200	3,125	0.008	10	249
RFS APXV18-206517S-C	115.00	79	1,047	0.003	3	98
Generic 3' Dish w/ R	106.80	100	1,141	0.003	4	124
Flat Side Arm	106.00	150	1,685	0.004	5	186
Proxim 5054-R-LR	105.90	6	67	0.000	0	7

		42,044	389,893	1.000	1,261	52,247

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)
51	148.80	18	400	0.001	1	15
50	148.05	50	1,098	0.003	4	43
49	147.40	9	199	0.001	1	8
48	146.15	115	2,462	0.006	8	99
47	144.00	103	2,143	0.005	7	89
46	141.50	206	4,120	0.011	13	176
45	139.60	56	1,083	0.003	4	48
44	139.05	21	405	0.001	1	18
43	138.35	77	1,476	0.004	5	66
42	136.90	128	2,403	0.006	8	110
41	135.50	72	1,327	0.003	4	62
40	134.50	73	1,316	0.003	4	62
39	132.00	345	6,006	0.015	19	296
38	129.85	26	441	0.001	1	22
37	129.60	17	293	0.001	1	15
36	129.45	9	146	0.000	0	7
35	129.30	17	292	0.001	1	15
34	127.60	306	4,988	0.013	16	263
33	125.50	113	1,783	0.005	6	97
32	122.50	623	9,349	0.024	30	534
31	117.50	635	8,765	0.022	28	544
30	112.50	671	8,497	0.022	27	576
29	108.40	436	5,122	0.013	17	374
28	106.40	110	1,242	0.003	4	94
27	105.95	14	154	0.000	0	12
26	105.45	124	1,378	0.004	4	106
25	103.25	485	5,175	0.013	17	416
24	100.75	355	3,602	0.009	12	304
23	98.88	538	5,257	0.013	17	461
22	96.38	498	4,624	0.012	15	427
21	92.50	921	7,876	0.020	25	789
20	87.50	940	7,200	0.018	23	806
19	82.50	960	6,535	0.017	21	823
18	77.50	980	5,886	0.015	19	840
17	72.50	1,000	5,255	0.013	17	857
16	67.50	1,020	4,646	0.012	15	874
15	62.50	1,039	4,060	0.010	13	891
14	57.50	1,059	3,502	0.009	11	908
13	54.13	375	1,100	0.003	4	322
12	51.63	1,224	3,261	0.008	11	1,049
11	49.00	762	1,830	0.005	6	653
10	46.50	737	1,594	0.004	5	632
9	42.50	1,248	2,254	0.006	7	1,070
8	37.50	1,272	1,788	0.005	6	1,090
7	32.50	1,295	1,368	0.004	4	1,111
6	27.50	1,319	998	0.003	3	1,131
5	22.50	1,343	680	0.002	2	1,151
4	17.50	1,367	419	0.001	1	1,172
3	12.50	1,390	217	0.001	1	1,192
2	7.50	1,414	80	0.000	0	1,213
1	2.50	1,211	8	0.000	0	1,038
DragonWave Horizon C	149.00	32	706	0.002	2	27
DragonWave A-ANT-23G	149.00	15	333	0.001	1	13
Alcatel-Lucent RRH2x	149.00	317	7,047	0.018	23	272
Alcatel-Lucent 1900	149.00	180	3,996	0.010	13	154

Nokia 2.5G MAA - AAH	149.00	311	6,900	0.018	22	266
DragonWave A-ANT-11G	149.00	54	1,199	0.003	4	46
RFS APXVFRR12X-C-I20	149.00	138	3,064	0.008	10	118
Collar Mount	149.00	560	12,433	0.032	40	480
Ericsson Air6449 B41	148.60	312	6,890	0.018	22	267
Ericsson Air 3246 B6	147.50	540	11,748	0.030	38	463
Ericsson Radio 4449	147.30	225	4,882	0.013	16	193
Ericsson RRUS 4415 B	147.30	138	2,994	0.008	10	118
Ericsson AIR32 B66Aa	147.30	397	8,605	0.022	28	340
RFS APXVAARR24_43-U-	143.00	384	7,846	0.020	25	329
Platform with SitePr	143.00	2,350	48,055	0.123	155	2,015
Samsung B2/B66A RRH-	139.20	253	4,906	0.013	16	217
Raycap RCMDC-6627-PF	138.90	32	617	0.002	2	27
RFS FD9R6004/2C-3L	137.80	16	296	0.001	1	13
Round Low Profile Pl	136.00	1,500	27,744	0.071	90	1,286
Samsung B5/B13 RRH-B	134.00	211	3,787	0.010	12	181
Samsung MT6407-77A	134.00	245	4,396	0.011	14	210
Andrew DB854DG65ESX	134.00	56	997	0.003	3	48
JMA Wireless MX06FRO	134.00	360	6,464	0.017	21	309
Ericsson RRUS 8843 B	129.70	216	3,634	0.009	12	185
CCI CCI-HPA-65R-BUU-	129.50	204	3,421	0.009	11	175
Ericsson Radio 4415	129.40	129	2,160	0.006	7	111
Ericsson RRUS 4449 B	129.40	213	3,567	0.009	12	183
Kathrein Scala 80010	129.20	688	11,478	0.029	37	590
Round Platform w/ Ha	126.00	2,000	31,752	0.081	103	1,715
Commscope WCS-IMFQ-A	125.00	30	461	0.001	1	25
Raycap DC6-48-60-0-8	125.00	33	513	0.001	2	28
Raycap DC6-48-60-0-8	125.00	66	1,025	0.003	3	56
Ericsson RRUS 4478 B	125.00	180	2,808	0.007	9	154
Generic Mount Reinfo	125.00	200	3,125	0.008	10	171
RFS APXV18-206517S-C	115.00	79	1,047	0.003	3	68
Generic 3' Dish w/ R	106.80	100	1,141	0.003	4	86
Flat Side Arm	106.00	150	1,685	0.004	5	129
Proxim 5054-R-LR	105.90	6	67	0.000	0	5
		42,044	389,893	1.000	1,261	36,046

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	-50.74	-1.27	0.00	-166.69	0.00	166.69	4,132.29	1,078.55	5,030.04	4,392.82	0.00	0.00	0.050
5.00	-48.98	-1.27	0.00	-160.36	0.00	160.36	4,073.39	1,054.01	4,803.78	4,230.97	0.01	-0.01	0.050
10.00	-47.26	-1.28	0.00	-153.99	0.00	153.99	4,012.85	1,029.47	4,582.72	4,070.33	0.02	-0.02	0.050
15.00	-45.56	-1.29	0.00	-147.58	0.00	147.58	3,950.68	1,004.93	4,366.87	3,911.02	0.05	-0.03	0.049
20.00	-43.89	-1.30	0.00	-141.13	0.00	141.13	3,886.87	980.39	4,156.23	3,753.17	0.10	-0.05	0.049
25.00	-42.25	-1.30	0.00	-134.65	0.00	134.65	3,821.43	955.85	3,950.79	3,596.88	0.15	-0.06	0.048
30.00	-40.64	-1.30	0.00	-128.14	0.00	128.14	3,754.35	931.31	3,750.56	3,442.28	0.22	-0.07	0.048
35.00	-39.06	-1.31	0.00	-121.62	0.00	121.62	3,685.64	906.77	3,555.53	3,289.50	0.31	-0.09	0.048
40.00	-37.51	-1.30	0.00	-115.09	0.00	115.09	3,615.29	882.23	3,365.72	3,138.64	0.40	-0.10	0.047
45.00	-36.59	-1.31	0.00	-108.57	0.00	108.57	3,543.30	857.69	3,181.11	2,989.83	0.51	-0.11	0.047
48.00	-35.64	-1.30	0.00	-104.66	0.00	104.66	3,499.33	842.97	3,072.84	2,901.57	0.59	-0.12	0.046
50.00	-34.12	-1.29	0.00	-102.05	0.00	102.05	3,469.68	833.15	3,001.70	2,843.18	0.64	-0.13	0.046
53.25	-33.66	-1.29	0.00	-97.85	0.00	97.85	2,730.90	692.97	2,491.76	2,236.97	0.73	-0.14	0.056
55.00	-32.34	-1.28	0.00	-95.59	0.00	95.59	2,712.29	685.81	2,440.56	2,198.60	0.78	-0.14	0.055
60.00	-31.05	-1.28	0.00	-89.17	0.00	89.17	2,658.02	665.36	2,297.20	2,089.85	0.94	-0.16	0.054
65.00	-29.78	-1.27	0.00	-82.79	0.00	82.79	2,602.11	644.91	2,158.18	1,982.50	1.12	-0.18	0.053
70.00	-28.54	-1.26	0.00	-76.45	0.00	76.45	2,544.56	624.46	2,023.50	1,876.67	1.32	-0.20	0.052
75.00	-27.32	-1.24	0.00	-70.18	0.00	70.18	2,485.39	604.01	1,893.15	1,772.48	1.53	-0.21	0.051
80.00	-26.13	-1.22	0.00	-63.97	0.00	63.97	2,424.57	583.56	1,767.15	1,670.04	1.76	-0.23	0.049
85.00	-24.96	-1.20	0.00	-57.86	0.00	57.86	2,362.12	563.11	1,645.48	1,569.49	2.02	-0.25	0.047
90.00	-23.81	-1.18	0.00	-51.84	0.00	51.84	2,297.27	542.66	1,528.16	1,470.44	2.29	-0.27	0.046
95.00	-23.19	-1.17	0.00	-45.95	0.00	45.95	2,210.70	522.21	1,415.17	1,361.17	2.58	-0.29	0.044
97.75	-22.53	-1.15	0.00	-42.73	0.00	42.73	2,163.09	510.97	1,354.87	1,302.87	2.75	-0.30	0.043
100.00	-22.09	-1.14	0.00	-40.14	0.00	40.14	2,124.13	501.76	1,306.52	1,256.12	2.89	-0.31	0.042
101.50	-21.48	-1.12	0.00	-38.44	0.00	38.44	1,105.19	302.60	791.85	659.76	2.99	-0.31	0.078
105.00	-21.32	-1.12	0.00	-34.50	0.00	34.50	1,087.53	294.01	747.54	630.68	3.22	-0.32	0.074
105.90	-21.30	-1.12	0.00	-33.50	0.00	33.50	1,082.86	291.80	736.35	623.22	3.28	-0.33	0.073
106.00	-20.86	-1.11	0.00	-33.38	0.00	33.38	1,082.34	291.56	735.12	622.39	3.29	-0.33	0.073
106.80	-20.31	-1.09	0.00	-32.50	0.00	32.50	1,078.14	289.59	725.25	615.77	3.35	-0.33	0.072
110.00	-19.48	-1.07	0.00	-29.01	0.00	29.01	1,060.92	281.74	686.46	589.40	3.58	-0.35	0.068
115.00	-18.59	-1.04	0.00	-23.68	0.00	23.68	1,032.68	269.47	627.97	548.55	3.96	-0.38	0.061
120.00	-17.82	-1.01	0.00	-18.50	0.00	18.50	1,002.79	257.20	572.09	508.24	4.37	-0.40	0.054
125.00	-17.05	-0.97	0.00	-13.46	0.00	13.46	971.28	244.93	518.82	468.61	4.80	-0.42	0.046
126.00	-14.18	-0.84	0.00	-12.49	0.00	12.49	964.78	242.48	508.47	460.77	4.89	-0.42	0.042
129.20	-12.36	-0.74	0.00	-9.81	0.00	9.81	943.54	234.62	476.08	435.92	5.17	-0.44	0.036
129.40	-12.35	-0.74	0.00	-9.66	0.00	9.66	942.19	234.13	474.09	434.38	5.19	-0.44	0.035
129.50	-12.33	-0.74	0.00	-9.59	0.00	9.59	941.51	233.89	473.09	433.61	5.20	-0.44	0.035
129.70	-12.29	-0.74	0.00	-9.44	0.00	9.44	940.16	233.40	471.11	432.07	5.22	-0.44	0.035
130.00	-11.87	-0.72	0.00	-9.22	0.00	9.22	938.12	232.66	468.14	429.76	5.25	-0.44	0.034
134.00	-10.69	-0.66	0.00	-6.34	0.00	6.34	910.42	222.84	429.48	399.33	5.62	-0.45	0.028
135.00	-10.60	-0.65	0.00	-5.68	0.00	5.68	903.33	220.39	420.08	391.82	5.71	-0.45	0.026
136.00	-8.58	-0.54	0.00	-5.03	0.00	5.03	896.18	217.94	410.77	384.35	5.81	-0.45	0.023
137.80	-8.47	-0.53	0.00	-4.06	0.00	4.06	883.14	213.52	394.29	371.01	5.98	-0.46	0.021
138.90	-8.40	-0.53	0.00	-3.47	0.00	3.47	875.07	210.82	384.39	362.93	6.08	-0.46	0.019
139.20	-8.02	-0.51	0.00	-3.31	0.00	3.31	872.85	210.08	381.71	360.73	6.11	-0.46	0.018
140.00	-7.76	-0.49	0.00	-2.90	0.00	2.90	866.91	208.12	374.61	354.90	6.19	-0.46	0.017
143.00	-4.24	-0.28	0.00	-1.43	0.00	1.43	844.27	200.76	348.58	333.29	6.48	-0.46	0.009

145.00	**-4.09**	**-0.27**	**0.00**	**-0.87**	**0.00**	**0.87**	**828.85**	**195.85**	**331.75**	**319.13**	**6.67**	**-0.46**	**0.008**
147.30	**-2.47**	**-0.16**	**0.00**	**-0.26**	**0.00**	**0.26**	**805.21**	**190.21**	**312.90**	**301.00**	**6.90**	**-0.46**	**0.004**
147.50	**-2.41**	**-0.16**	**0.00**	**-0.23**	**0.00**	**0.23**	**803.13**	**189.72**	**311.29**	**299.44**	**6.92**	**-0.46**	**0.004**
148.60	**-2.00**	**-0.13**	**0.00**	**-0.05**	**0.00**	**0.05**	**791.70**	**187.02**	**302.50**	**290.94**	**7.02**	**-0.46**	**0.003**
149.00	**0.00**	**-0.12**	**0.00**	**0.00**	**0.00**	**0.00**	**787.55**	**186.03**	**299.33**	**287.88**	**7.06**	**-0.46**	**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	-35.01	-1.26	0.00	-162.71	0.00	162.71	4,132.29	1,078.55	5,030.04	4,392.82	0.00	0.00	0.046
5.00	-33.80	-1.27	0.00	-156.39	0.00	156.39	4,073.39	1,054.01	4,803.78	4,230.97	0.01	-0.01	0.045
10.00	-32.60	-1.28	0.00	-150.04	0.00	150.04	4,012.85	1,029.47	4,582.72	4,070.33	0.02	-0.02	0.045
15.00	-31.43	-1.28	0.00	-143.67	0.00	143.67	3,950.68	1,004.93	4,366.87	3,911.02	0.05	-0.03	0.045
20.00	-30.28	-1.28	0.00	-137.27	0.00	137.27	3,886.87	980.39	4,156.23	3,753.17	0.09	-0.05	0.044
25.00	-29.15	-1.29	0.00	-130.85	0.00	130.85	3,821.43	955.85	3,950.79	3,596.88	0.15	-0.06	0.044
30.00	-28.04	-1.29	0.00	-124.43	0.00	124.43	3,754.35	931.31	3,750.56	3,442.28	0.22	-0.07	0.044
35.00	-26.95	-1.28	0.00	-118.00	0.00	118.00	3,685.64	906.77	3,555.53	3,289.50	0.30	-0.08	0.043
40.00	-25.88	-1.28	0.00	-111.58	0.00	111.58	3,615.29	882.23	3,365.72	3,138.64	0.39	-0.10	0.043
45.00	-25.24	-1.28	0.00	-105.17	0.00	105.17	3,543.30	857.69	3,181.11	2,989.83	0.50	-0.11	0.042
48.00	-24.59	-1.28	0.00	-101.33	0.00	101.33	3,499.33	842.97	3,072.84	2,901.57	0.57	-0.12	0.042
50.00	-23.54	-1.27	0.00	-98.77	0.00	98.77	3,469.68	833.15	3,001.70	2,843.18	0.62	-0.12	0.042
53.25	-23.22	-1.27	0.00	-94.66	0.00	94.66	2,730.90	692.97	2,491.76	2,236.97	0.71	-0.13	0.051
55.00	-22.31	-1.26	0.00	-92.44	0.00	92.44	2,712.29	685.81	2,440.56	2,198.60	0.76	-0.14	0.050
60.00	-21.42	-1.25	0.00	-86.16	0.00	86.16	2,658.02	665.36	2,297.20	2,089.85	0.92	-0.16	0.049
65.00	-20.55	-1.24	0.00	-79.93	0.00	79.93	2,602.11	644.91	2,158.18	1,982.50	1.09	-0.17	0.048
70.00	-19.69	-1.22	0.00	-73.75	0.00	73.75	2,544.56	624.46	2,023.50	1,876.67	1.28	-0.19	0.047
75.00	-18.85	-1.21	0.00	-67.65	0.00	67.65	2,485.39	604.01	1,893.15	1,772.48	1.49	-0.21	0.046
80.00	-18.02	-1.19	0.00	-61.62	0.00	61.62	2,424.57	583.56	1,767.15	1,670.04	1.71	-0.22	0.044
85.00	-17.22	-1.17	0.00	-55.69	0.00	55.69	2,362.12	563.11	1,645.48	1,569.49	1.96	-0.24	0.043
90.00	-16.43	-1.14	0.00	-49.86	0.00	49.86	2,297.27	542.66	1,528.16	1,470.44	2.22	-0.26	0.041
95.00	-16.00	-1.13	0.00	-44.15	0.00	44.15	2,210.70	522.21	1,415.17	1,361.17	2.50	-0.28	0.040
97.75	-15.54	-1.11	0.00	-41.05	0.00	41.05	2,163.09	510.97	1,354.87	1,302.87	2.67	-0.29	0.039
100.00	-15.24	-1.10	0.00	-38.55	0.00	38.55	2,124.13	501.76	1,306.52	1,256.12	2.81	-0.30	0.038
101.50	-14.82	-1.08	0.00	-36.90	0.00	36.90	1,105.19	302.60	791.85	659.76	2.90	-0.30	0.069
105.00	-14.71	-1.08	0.00	-33.10	0.00	33.10	1,087.53	294.01	747.54	630.68	3.12	-0.31	0.066
105.90	-14.70	-1.08	0.00	-32.13	0.00	32.13	1,082.86	291.80	736.35	623.22	3.18	-0.32	0.065
106.00	-14.39	-1.07	0.00	-32.02	0.00	32.02	1,082.34	291.56	735.12	622.39	3.19	-0.32	0.065
106.80	-14.01	-1.05	0.00	-31.17	0.00	31.17	1,078.14	289.59	725.25	615.77	3.24	-0.32	0.064
110.00	-13.44	-1.02	0.00	-27.81	0.00	27.81	1,060.92	281.74	686.46	589.40	3.47	-0.34	0.060
115.00	-12.83	-0.99	0.00	-22.69	0.00	22.69	1,032.68	269.47	627.97	548.55	3.84	-0.36	0.054
120.00	-12.29	-0.97	0.00	-17.72	0.00	17.72	1,002.79	257.20	572.09	508.24	4.23	-0.39	0.047
125.00	-11.76	-0.93	0.00	-12.89	0.00	12.89	971.28	244.93	518.82	468.61	4.64	-0.41	0.040
126.00	-9.78	-0.80	0.00	-11.96	0.00	11.96	964.78	242.48	508.47	460.77	4.73	-0.41	0.036
129.20	-8.53	-0.71	0.00	-9.40	0.00	9.40	943.54	234.62	476.08	435.92	5.01	-0.42	0.031
129.40	-8.52	-0.71	0.00	-9.25	0.00	9.25	942.19	234.13	474.09	434.38	5.03	-0.42	0.030
129.50	-8.50	-0.71	0.00	-9.18	0.00	9.18	941.51	233.89	473.09	433.61	5.03	-0.42	0.030
129.70	-8.48	-0.71	0.00	-9.04	0.00	9.04	940.16	233.40	471.11	432.07	5.05	-0.42	0.030
130.00	-8.19	-0.69	0.00	-8.83	0.00	8.83	938.12	232.66	468.14	429.76	5.08	-0.42	0.029
134.00	-7.38	-0.63	0.00	-6.07	0.00	6.07	910.42	222.84	429.48	399.33	5.44	-0.43	0.023
135.00	-7.31	-0.62	0.00	-5.44	0.00	5.44	903.33	220.39	420.08	391.82	5.53	-0.43	0.022
136.00	-5.92	-0.52	0.00	-4.82	0.00	4.82	896.18	217.94	410.77	384.35	5.62	-0.44	0.019
137.80	-5.84	-0.51	0.00	-3.89	0.00	3.89	883.14	213.52	394.29	371.01	5.78	-0.44	0.017
138.90	-5.79	-0.51	0.00	-3.32	0.00	3.32	875.07	210.82	384.39	362.93	5.89	-0.44	0.016
139.20	-5.53	-0.49	0.00	-3.17	0.00	3.17	872.85	210.08	381.71	360.73	5.91	-0.44	0.015
140.00	-5.35	-0.47	0.00	-2.78	0.00	2.78	866.91	208.12	374.61	354.90	5.99	-0.44	0.014
143.00	-2.92	-0.27	0.00	-1.37	0.00	1.37	844.27	200.76	348.58	333.29	6.27	-0.45	0.008

145.00	-2.82	-0.26	0.00	-0.84	0.00	0.84	828.85	195.85	331.75	319.13	6.46	-0.45	0.006
147.30	-1.70	-0.16	0.00	-0.25	0.00	0.25	805.21	190.21	312.90	301.00	6.67	-0.45	0.003
147.50	-1.66	-0.15	0.00	-0.22	0.00	0.22	803.13	189.72	311.29	299.44	6.69	-0.45	0.003
148.60	-1.38	-0.13	0.00	-0.05	0.00	0.05	791.70	187.02	302.50	290.94	6.79	-0.45	0.002
149.00	0.00	-0.12	0.00	0.00	0.00	0.00	787.55	186.03	299.33	287.88	6.83	-0.45	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	24.29	0.00	50.41	0.00	0.00	2841.25	101.50	0.97
0.9D + 1.0W	24.27	0.00	37.80	0.00	0.00	2787.83	101.50	0.94
1.2D + 1.0Di + 1.0Wi	6.11	0.00	66.84	0.00	0.00	710.06	101.50	0.27
1.2D + 1.0Ev + 1.0Eh	1.27	0.00	50.74	0.00	0.00	166.69	101.50	0.08
0.9D - 1.0Ev + 1.0Eh	1.26	0.00	35.01	0.00	0.00	162.71	101.50	0.07
1.0D + 1.0W	5.72	0.00	42.04	0.00	0.00	661.88	101.50	0.24

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Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10068866
Maser Consulting Connecticut Project #: 21777444A

June 10, 2021

Site Information	*Site ID:*	*469425-VZW / WEST HAVEN SW CT*
	Site Name:	*WEST HAVEN SW CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*668 Jones Hill Rd.* *West Haven, Connecticut 06516* *New Haven County*
	Latitude:	*41.256403°*
	Longitude:	*-72.972361°*
Structure Information	*Tower Type:*	*150-Ft Monopole*
	Mount Type:	*12.52-Ft Platform*

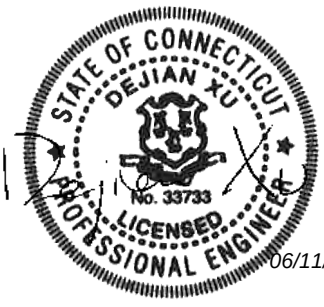
FUZE ID # 16227619

Analysis Results

Platform: **36.3% Pass**

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

Report Prepared By: Frank Centone



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: 675087, dated April 7, 2021*
Mount Mapping Report	*RKS Design & Engineering LLC, Site ID: VZW:469425, dated January 4, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777444A, Dated May 5, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777444A, Dated June 10, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 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:	0.995
Seismic Parameters:	S_S:	0.200
	S_1:	0.053
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
133.0	134.0	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Decibel	DB854DG65ESX	Retained

The recent mount mapping did not report existing OVP units. However, 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.

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
Face Horizontal	16.5%	Pass
Standoff Horizontal	30.3%	Pass
Platform Crossmember	14.8%	Pass
Corner Plate	17.3%	Pass
Grating Support	15.0%	Pass
Cross Arm Plate	31.3%	Pass
Mount Pipe	29.2%	Pass
Dual Mount Pipe	25.9%	Pass
MOD Support Rail	13.5%	Pass
MOD Support Rail Corner Angle	20.9%	Pass
Connection Check	36.3%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**36.3%**

Recommendation:

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

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

Attachments:

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


04/01/2021

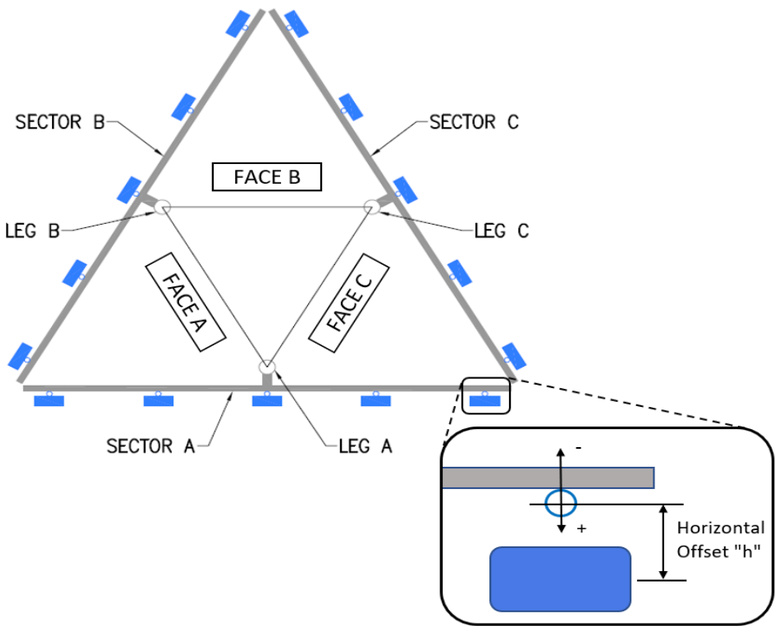
V3.0 Updated on 8-31-2020

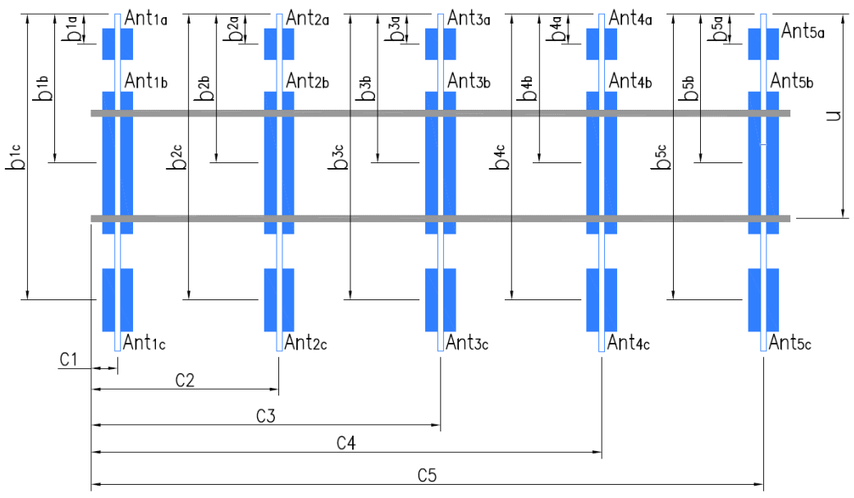
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
UNKNOWN

Tower Owner:	AMERICAN TOWER CORPORATION	**Mapping Date:**	1/4/2021
Site Name:	ATC:WEST HAVEN & RT 162 CT, VZW:WEST HAVEN SW CT	**Tower Type:**	Monopole
Site Number or ID:	ATC:243036, VZW:469425	**Tower Height (Ft.):**	150
Mapping Contractor:	RKS DESIGN & ENGINEERING LLC	**Mount Elevation (Ft.):**	135.5

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





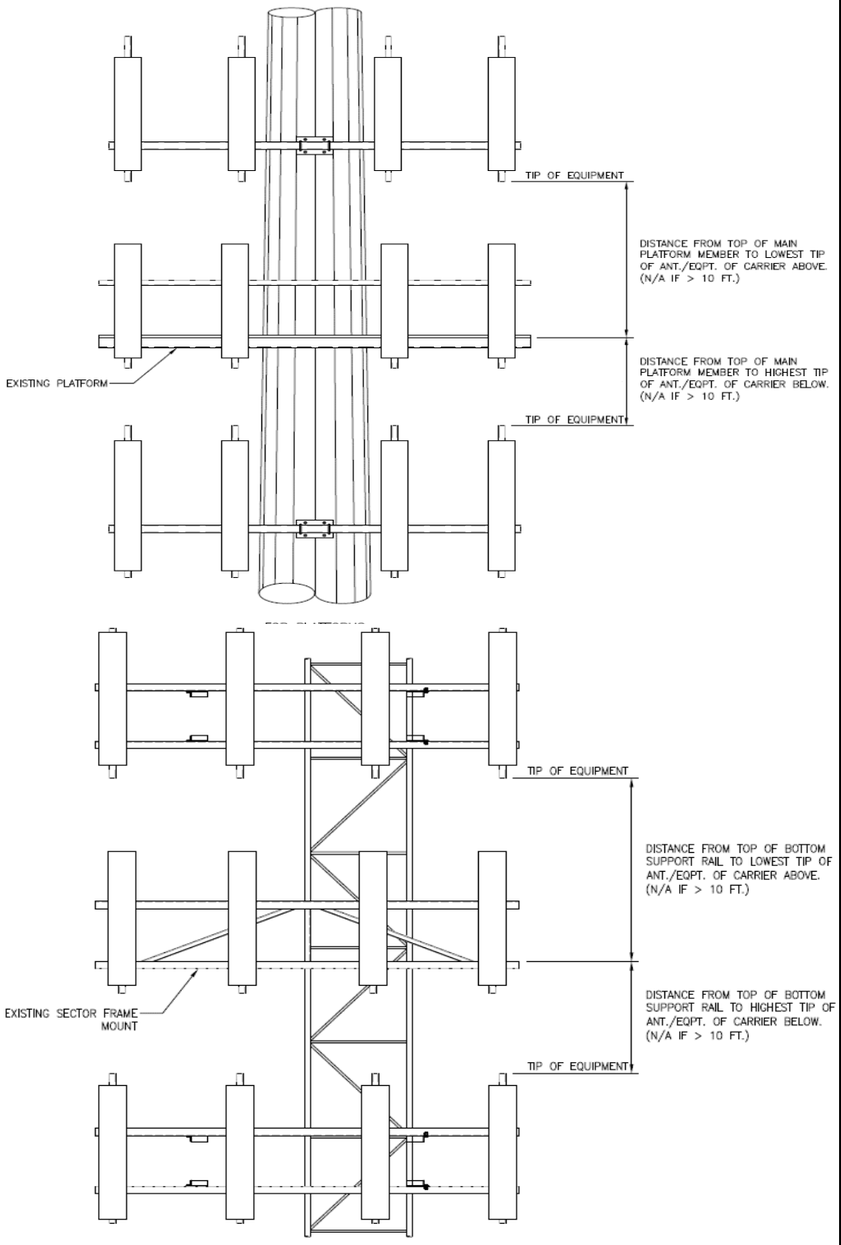
Antenna Layout (Looking Out From Tower)

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''Øx0.18''x72'' LONG	36.25	6.25	C1	PIPE 2.375''Øx0.18''x72'' LONG	36.25	6.25
A2	PIPE 2.375''Øx0.18''x72'' LONG	35.75	31.00	C2	PIPE 2.375''Øx0.18''x72'' LONG	35.75	31.00
A3	PIPE 2.375''Øx0.18''x72'' LONG	36.00	114.25	C3	PIPE 2.375''Øx0.18''x72'' LONG	36.00	114.25
A4	PIPE 2.375''Øx0.18''x72'' LONG	35.75	144.00	C4	PIPE 2.375''Øx0.18''x72'' LONG	35.75	144.00
A5				C5			
A6				C6			
B1	PIPE 2.375''Øx0.18''x72'' LONG	36.25	6.25	D1			
B2	PIPE 2.375''Øx0.18''x72'' LONG	35.75	31.00	D2			
B3	PIPE 2.375''Øx0.18''x72'' LONG	36.00	114.25	D3			
B4	PIPE 2.375''Øx0.18''x72'' LONG	35.75	144.00	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							3.5
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.):				21.18

	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}	DB854DG65ESX	12.50	6.00	48.50		136.417	25.25	6.50	50.00	161
Ant_{1c}										
Ant_{2a}	9442 RRH2x40-AWS	10.60	6.70	24.40		138	5.75	-7.75		161
Ant_{2b}	BXA-171063-12BF-ED	6.10	4.10	72.50		135.625	34.25	10.50	50.00	161
Ant_{2c}										
Ant_{3a}	UNKNOWN-TMA	5.50	1.00	4.50		136.708	21.50	-3.50		162
Ant_{3b}	BXA-185085-12CF-ED	6.10	4.10	72.00		135.542	35.50	9.00	50.00	162
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LNX-6514DS-A1M	11.90	7.10	72.70		135.896	31.00	7.50	50.00	162
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	15.73	10.25	25.66			20.00	7.00		269
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:	160.00	Deg	Leg B:		Deg
Sector C:	290.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

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



Sector B										
Ant_{1a}										
Ant_{1b}	DB854DG65ESX	12.50	6.00	48.50		136.417	25.25	6.50	160.00	163
Ant_{1c}										
Ant_{2a}	9442 RRH2x40-AWS	10.60	6.70	24.40		138	5.75	-7.75		163
Ant_{2b}	BXA-171063-12BF-ED	6.10	4.10	72.50		135.625	34.25	10.50	160.00	163
Ant_{2c}										
Ant_{3a}	UNKNOWN-TMA	5.50	1.00	4.50		136.708	21.50	-3.50		164
Ant_{3b}	BXA-185085-12CF-ED	6.10	4.10	72.00		135.542	35.50	9.00	160.00	164
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LNX-6514DS-A1M	11.90	7.10	72.70		135.896	31.00	7.50	160.00	164
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}	DB854DG65ESX	12.50	6.00	48.50		136.417	25.25	6.50	290.00	165
Ant_{1c}										
Ant_{2a}	9442 RRH2x40-AWS	10.60	6.70	24.40		138	5.75	-7.57		165
Ant_{2b}	BXA-171063-12BF-ED	6.10	4.10	72.50		135.625	34.25	10.50	290.00	165
Ant_{2c}										
Ant_{3a}	UNKNOWN-TMA	5.50	1.00	4.50		136.708	21.50	-3.50		166
Ant_{3b}	BXA-185085-12CF-ED	6.10	4.10	72.00		135.542	35.50	9.00	290.00	166
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LNX-6514DS-A1M	11.90	7.10	72.70		135.896	31.00	7.50	290.00	166
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

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

1	COAX:TOTAL(13):(12)FH 1-5/8,(1)1.5'' Ø HYBRID	45
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.

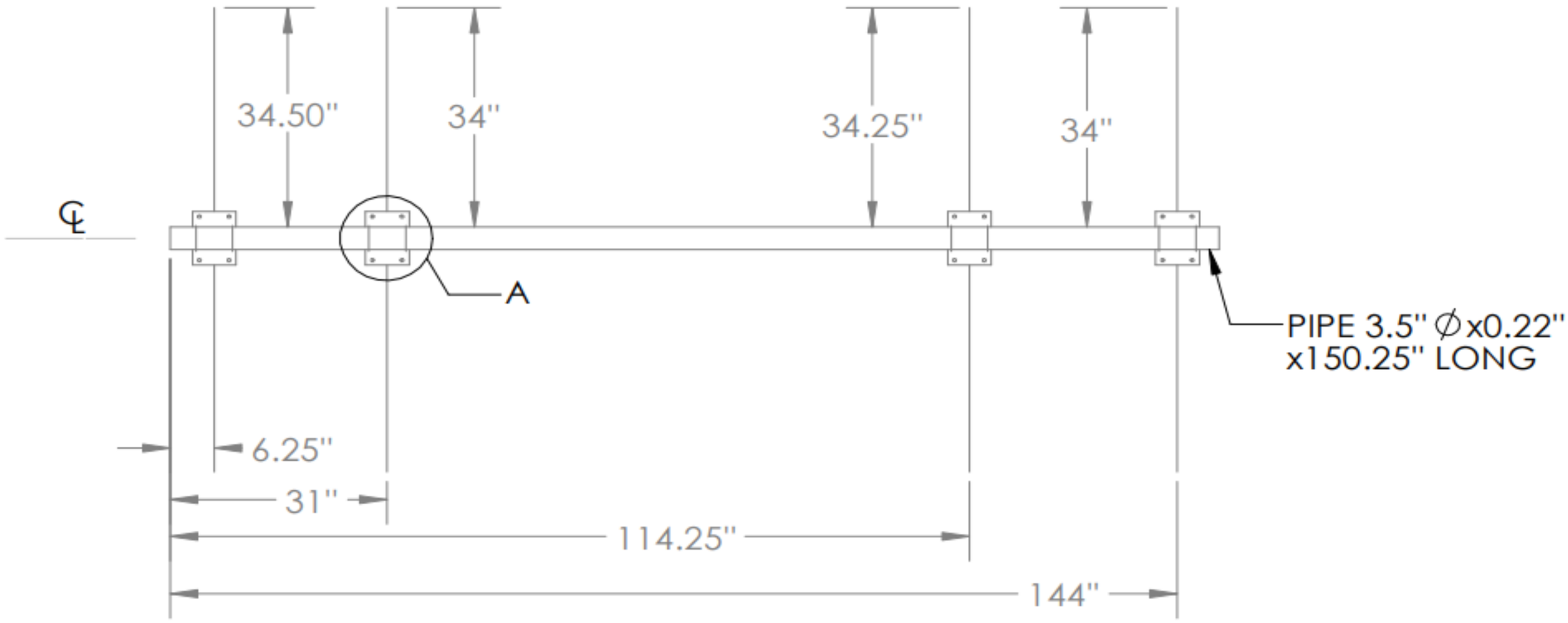
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

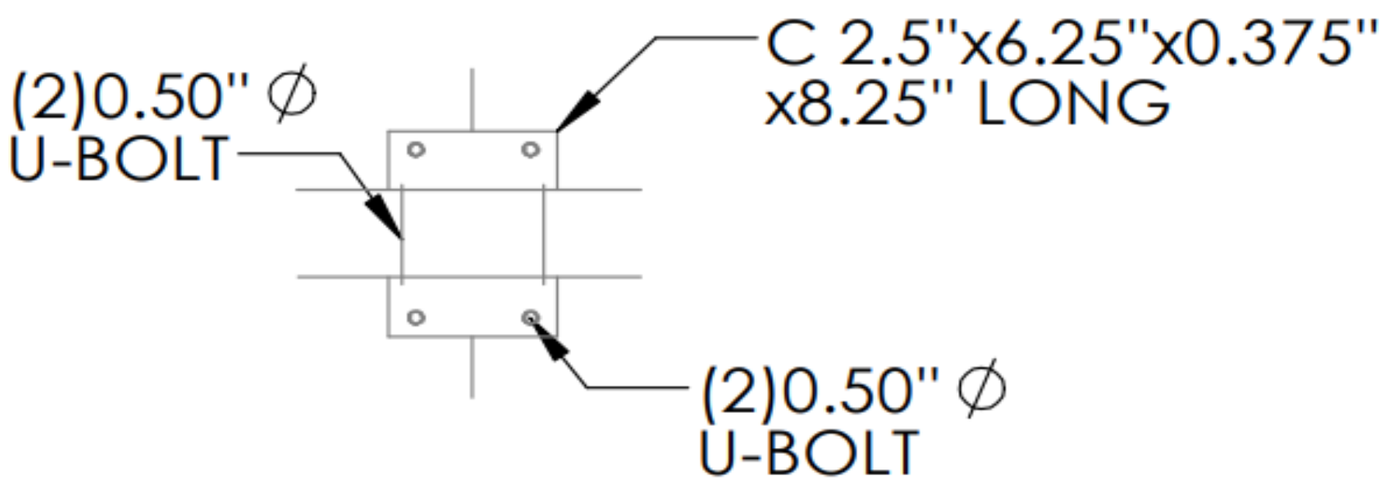
FCC #
UNKNOWN

Tower Owner:	AMERICAN TOWER CORPORATION	**Mapping Date:**	1/4/2021
Site Name:	ATC:WEST HAVEN & RT 162 CT, VZW:WEST HAVEN SW CT	**Tower Type:**	Monopole
Site Number or ID:	ATC:243036, VZW:469425	**Tower Height (Ft.):**	150
Mapping Contractor:	RKS DESIGN & ENGINEERING LLC	**Mount Elevation (Ft.):**	135.5

Please Insert Sketches of the Antenna Mount

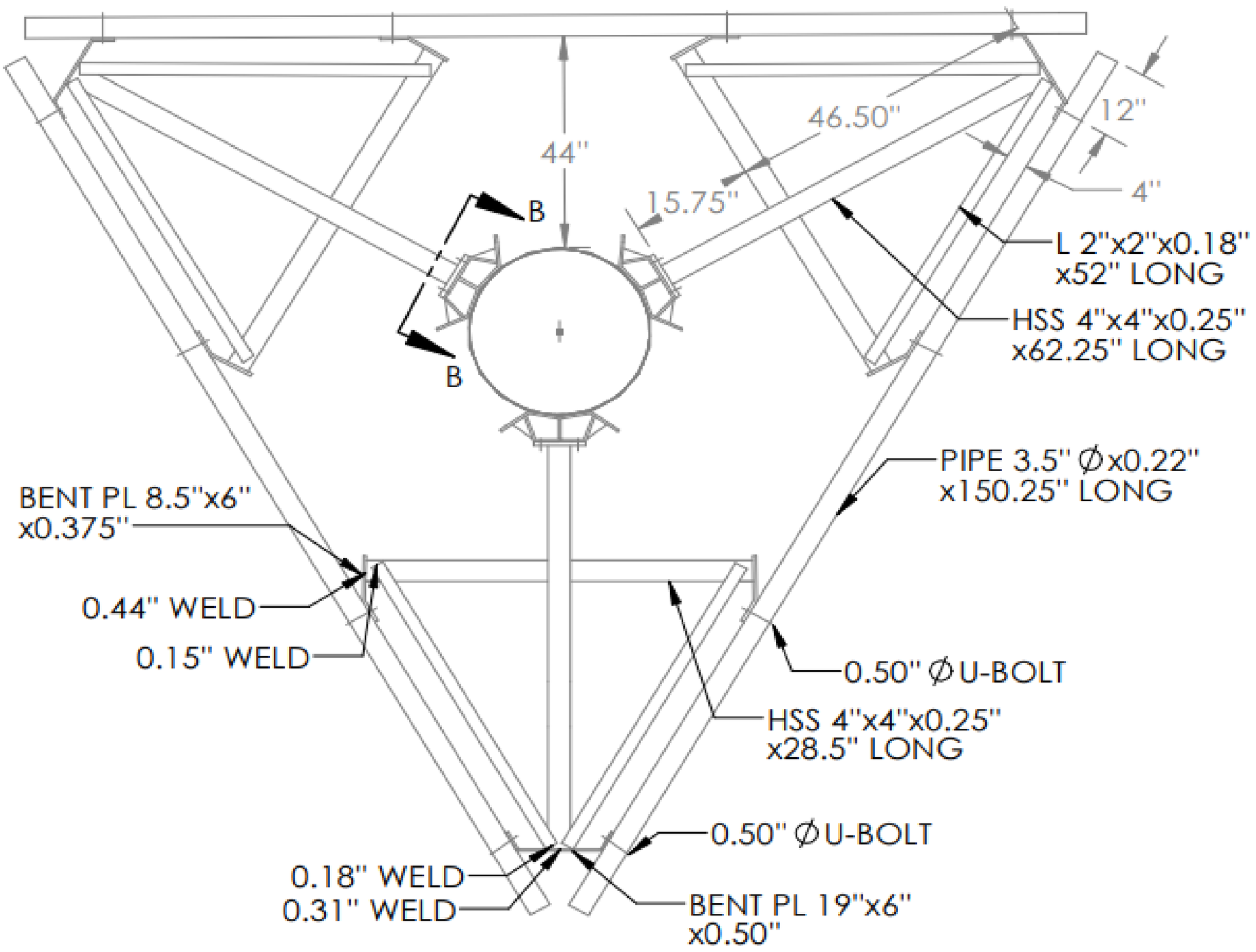


SECTOR VIEW A,B & C

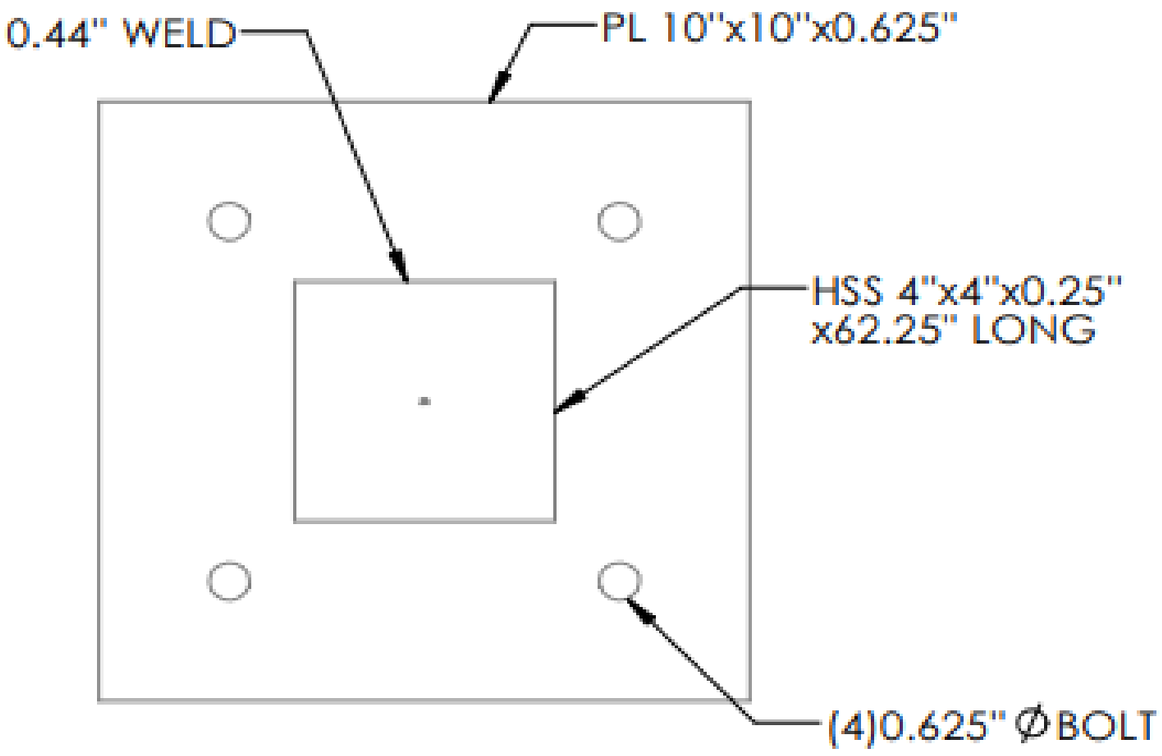


DETAIL A

Please Insert Sketches of the Antenna Mount, cont'd

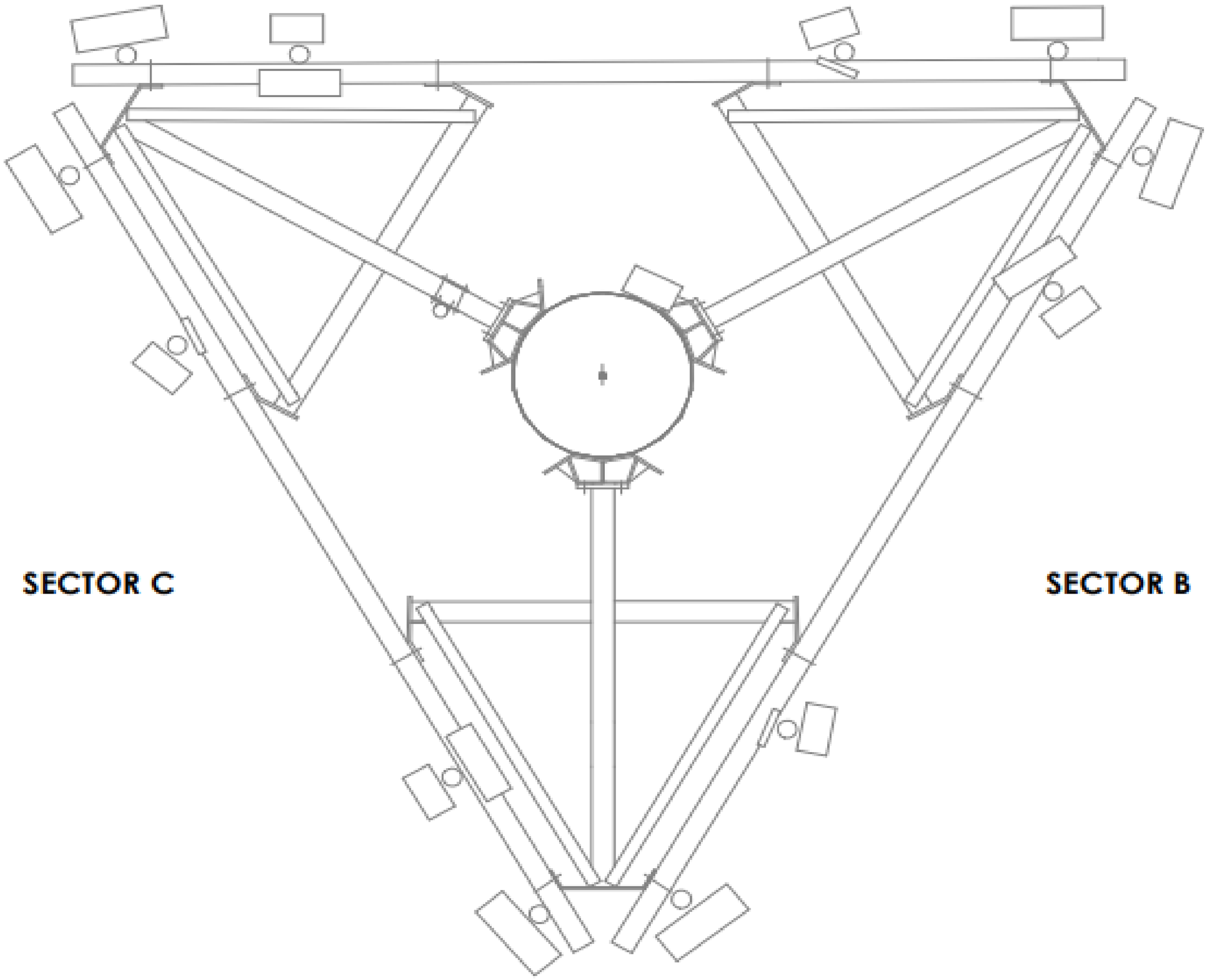


MOUNT PLAN VIEW

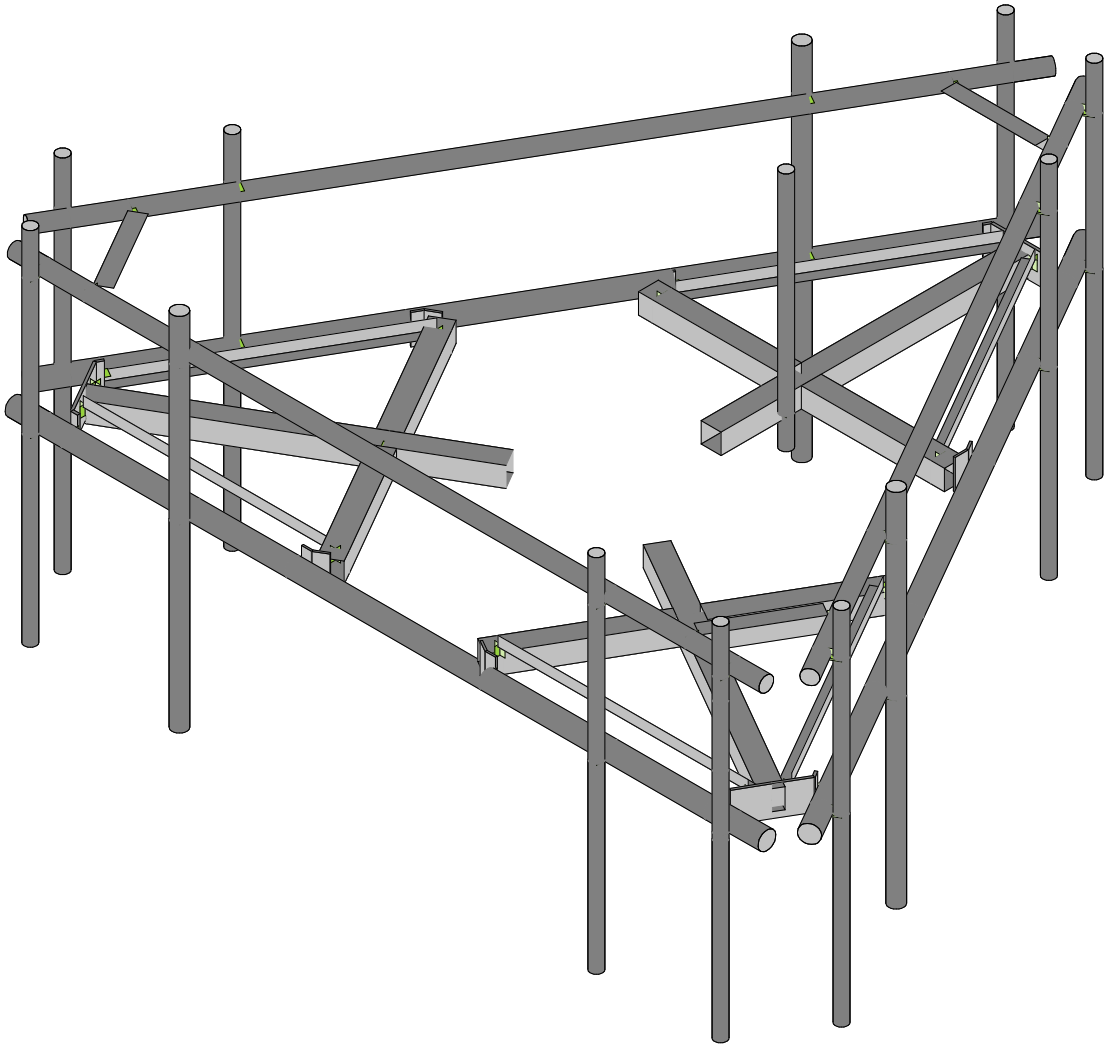


SECTION B-B

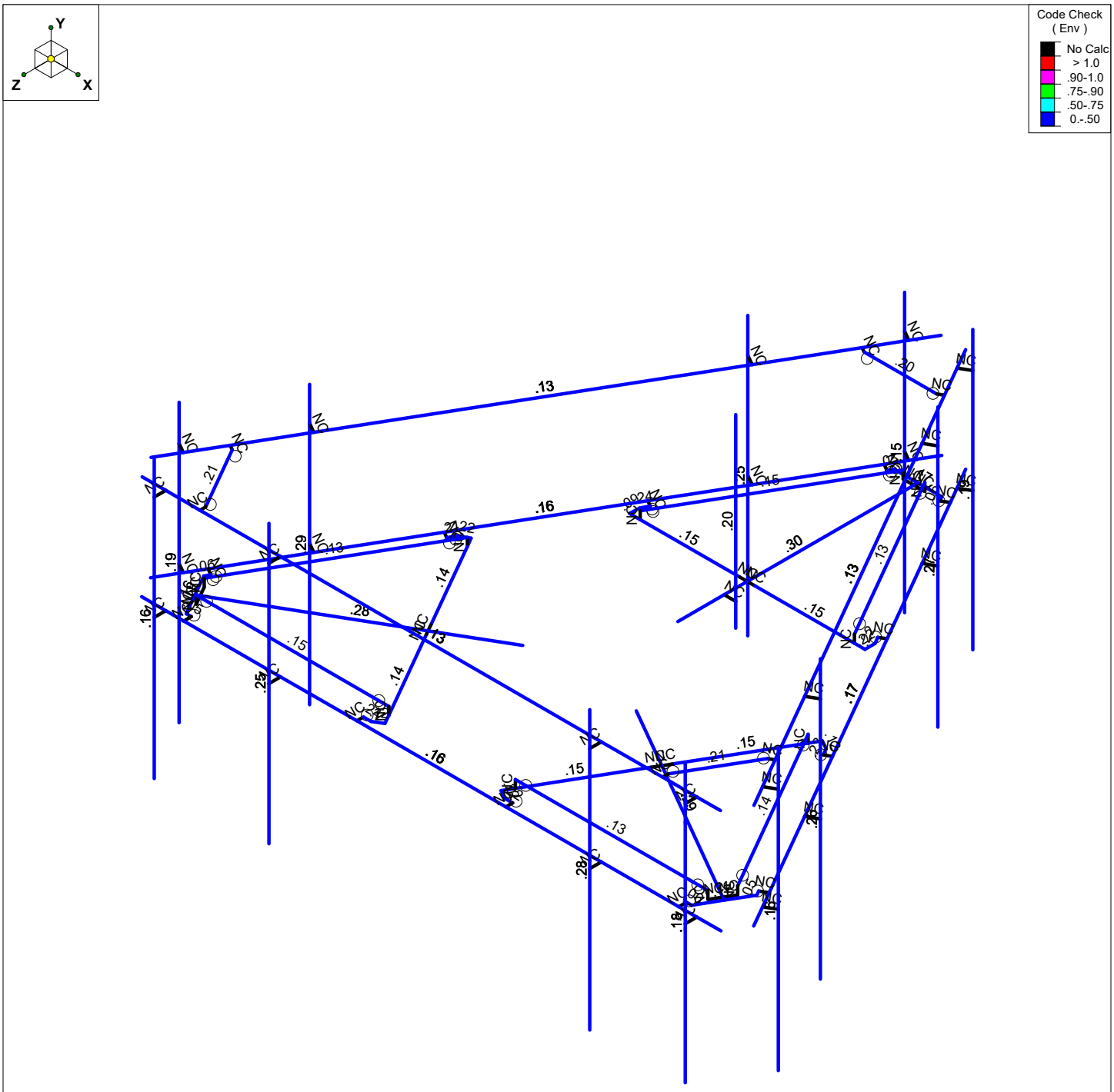
Please Insert Sketches of the Antenna Mount, cont'd



ANTENNA PLAN VIEW

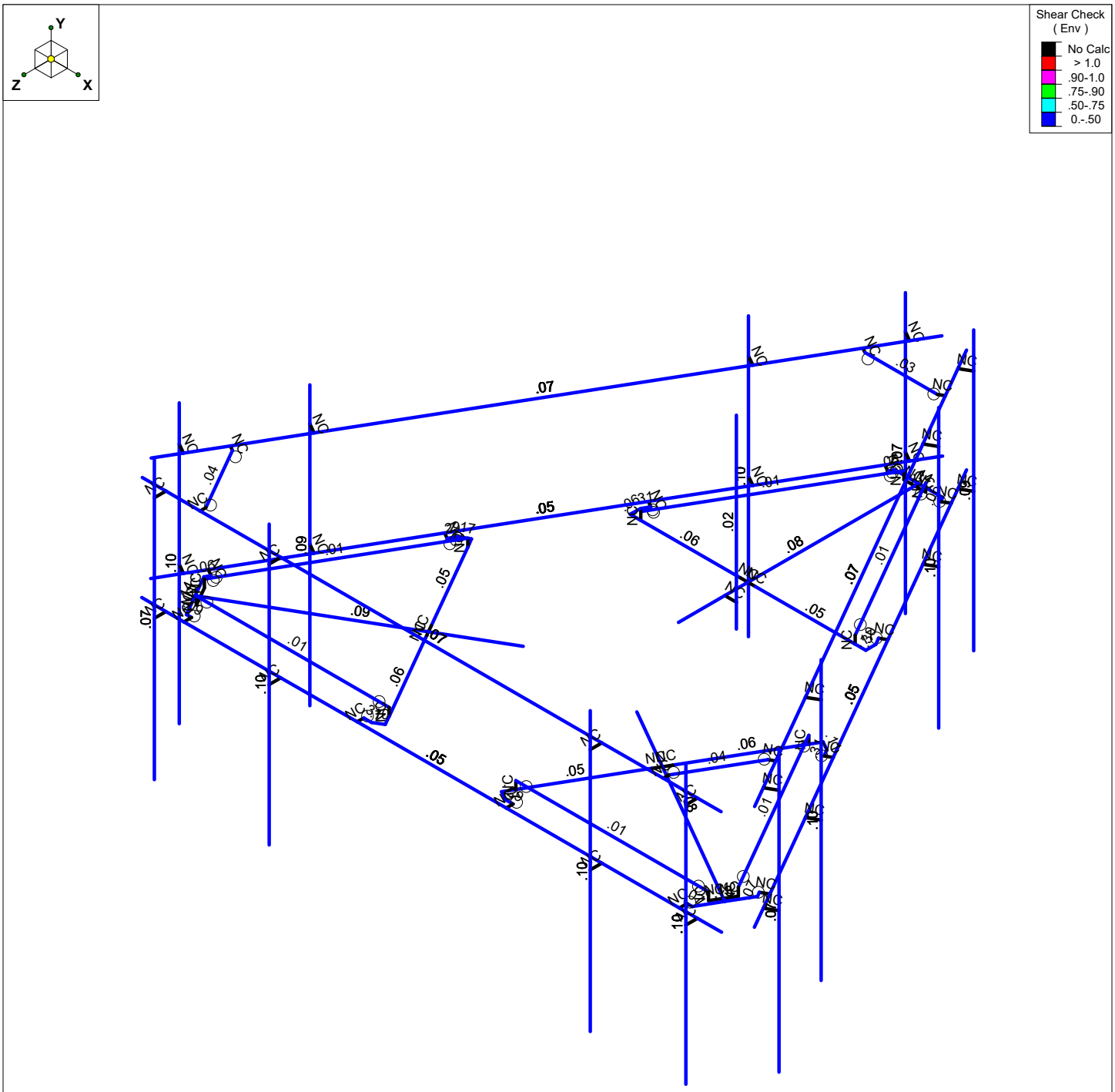


		SK - 1
		June 7, 2021 at 7:20 PM
		469425-VZW_MT_LO_H.r3d



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

		SK - 2
		June 7, 2021 at 7:20 PM
		469425-VZW_MT_LO_H.r3d



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

		SK - 3
		June 7, 2021 at 7:20 PM
		469425-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					93			
2	Antenna Di	None					93			
3	Antenna Wo (0 Deg)	None					93			
4	Antenna Wo (30 Deg)	None					93			
5	Antenna Wo (60 Deg)	None					93			
6	Antenna Wo (90 Deg)	None					93			
7	Antenna Wo (120 Deg)	None					93			
8	Antenna Wo (150 Deg)	None					93			
9	Antenna Wo (180 Deg)	None					93			
10	Antenna Wo (210 Deg)	None					93			
11	Antenna Wo (240 Deg)	None					93			
12	Antenna Wo (270 Deg)	None					93			
13	Antenna Wo (300 Deg)	None					93			
14	Antenna Wo (330 Deg)	None					93			
15	Antenna Wi (0 Deg)	None					93			
16	Antenna Wi (30 Deg)	None					93			
17	Antenna Wi (60 Deg)	None					93			
18	Antenna Wi (90 Deg)	None					93			
19	Antenna Wi (120 Deg)	None					93			
20	Antenna Wi (150 Deg)	None					93			
21	Antenna Wi (180 Deg)	None					93			
22	Antenna Wi (210 Deg)	None					93			
23	Antenna Wi (240 Deg)	None					93			
24	Antenna Wi (270 Deg)	None					93			
25	Antenna Wi (300 Deg)	None					93			
26	Antenna Wi (330 Deg)	None					93			
27	Antenna Wm (0 Deg)	None					93			
28	Antenna Wm (30 Deg)	None					93			
29	Antenna Wm (60 Deg)	None					93			
30	Antenna Wm (90 Deg)	None					93			
31	Antenna Wm (120 Deg)	None					93			
32	Antenna Wm (150 Deg)	None					93			
33	Antenna Wm (180 Deg)	None					93			
34	Antenna Wm (210 Deg)	None					93			
35	Antenna Wm (240 Deg)	None					93			
36	Antenna Wm (270 Deg)	None					93			
37	Antenna Wm (300 Deg)	None					93			
38	Antenna Wm (330 Deg)	None					93			
39	Structure D	None		-1					3	
40	Structure Di	None						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 D...	None						116		
46	Structure Wo (150 D...	None						116		
47	Structure Wo (180 D...	None						116		
48	Structure Wo (210 D...	None						116		
49	Structure Wo (240 D...	None						116		
50	Structure Wo (270 D...	None						116		
51	Structure Wo (300 D...	None						116		
52	Structure Wo (330 D...	None						116		
53	Structure Wi (0 Deg)	None						116		
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		

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						116		
58	Structure Wi (150 De...	None						116		
59	Structure Wi (180 De...	None						116		
60	Structure Wi (210 De...	None						116		
61	Structure Wi (240 De...	None						116		
62	Structure Wi (270 De...	None						116		
63	Structure Wi (300 De...	None						116		
64	Structure Wi (330 De...	None						116		
65	Structure Wm (0 Deg)	None						116		
66	Structure Wm (30 De...	None						116		
67	Structure Wm (60 De...	None						116		
68	Structure Wm (90 De...	None						116		
69	Structure Wm (120 D...	None						116		
70	Structure Wm (150 D...	None						116		
71	Structure Wm (180 D...	None						116		
72	Structure Wm (210 D...	None						116		
73	Structure Wm (240 D...	None						116		
74	Structure Wm (270 D...	None						116		
75	Structure Wm (300 D...	None						116		
76	Structure Wm (330 D...	None						116		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						30		
82	BLC 40 Transient Are...	None						30		

Load Combinations

	Description	Sol...	PD...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Description	Sol...	PD...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic M...		Y		1	1	39	1																
53	1.2D + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.260417	0	3.91469	0	
2	N2	-6.260417	0	3.91469	0	
3	N3	0	0	-1.416667	0	
4	N5	-2.541667	0	-2.916667	0	
5	N6	2.315104	0.166667	-2.916667	0	
6	N7	-2.315104	0.166667	-2.916667	0	
7	N24	0	0	-2.916667	0	
8	N27	0	0	-6.604167	0	
9	CP	0	0	0	0	
10	N29	2.315104	0	-2.916667	0	
11	N30	-2.315104	0	-2.916667	0	
12	N101	2.541667	0	-2.916667	0	
13	N102	-0.166667	0	-2.916667	0	
14	N103A	0.166667	0	-2.916667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N104A	-2.541667	0	-3.135417	0	
16	N105	2.541667	0	-3.135417	0	
17	N131	2.458333	0	-3.279754	0	
18	N135	0.571615	0	-6.50719	0	
19	N144	-2.458333	0	-3.279754	0	
20	N148	-0.571615	0	-6.50719	0	
21	N86A	2.584629	0	-3.352671	0	
22	N86B	-2.584629	0	-3.352671	0	
23	N86C	-0.515625	0	-6.604167	0	
24	N87A	0.515625	0	-6.604167	0	
25	N86D	0.715429	0	-6.590221	0	
26	N86E	-0.715429	0	-6.590221	0	
27	N88A	0	0	-6.520833	0	
28	N87C	0.234238	0.166667	-6.520833	0	
29	N86G	0.234238	0	-6.520833	0	
30	N87B	-0.234238	0.166667	-6.520833	0	
31	N88C	-0.234238	0	-6.520833	0	
32	N32	-1.226869	0	0.708333	0	
33	N33	-1.255074	0	3.659481	0	
34	N34	-3.68346	0.166667	-0.546606	0	
35	N35	-1.368355	0.166667	3.463272	0	
36	N36	-2.525907	0	1.458333	0	
37	N37	-5.719376	0	3.302083	0	
38	N39	-3.68346	0	-0.546606	0	
39	N40	-1.368355	0	3.463272	0	
40	N41	-3.796741	0	-0.742815	0	
41	N42	-2.442574	0	1.602671	0	
42	N43	-2.609241	0	1.313996	0	
43	N44	-1.444517	0	3.768856	0	
44	N45	-3.986184	0	-0.63344	0	
45	N46	-4.069517	0	-0.489102	0	
46	N47	-5.921199	0	2.758562	0	
47	N48	-1.611184	0	3.768856	0	
48	N49	-5.349584	0	3.748628	0	
49	N50	-4.195813	0	-0.562019	0	
50	N51	-1.611184	0	3.91469	0	
51	N52	-5.461564	0	3.748628	0	
52	N53	-5.977189	0	2.855539	0	
53	N54	-6.065013	0	2.675531	0	
54	N55	-5.349584	0	3.91469	0	
55	N56	-5.647207	0	3.260417	0	
56	N57	-5.764326	0.166667	3.057561	0	
57	N58	-5.764326	0	3.057561	0	
58	N59	-5.530089	0.166667	3.463272	0	
59	N60	-5.530089	0	3.463272	0	
60	N61	1.226869	0	0.708333	0	
61	N62	3.796741	0	-0.742815	0	
62	N63	1.368355	0.166667	3.463272	0	
63	N64	3.68346	0.166667	-0.546606	0	
64	N65	2.525907	0	1.458333	0	
65	N66	5.719376	0	3.302083	0	
66	N68	1.368355	0	3.463272	0	
67	N69	3.68346	0	-0.546606	0	
68	N70	1.255074	0	3.659481	0	
69	N71	2.609241	0	1.313996	0	
70	N72	2.442574	0	1.602671	0	
71	N73	3.986184	0	-0.63344	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N74	1.444517	0	3.768856	0	
73	N75	1.611184	0	3.768856	0	
74	N76	5.349584	0	3.748628	0	
75	N77	4.069517	0	-0.489102	0	
76	N78	5.921199	0	2.758562	0	
77	N79	1.611184	0	3.91469	0	
78	N80	4.195813	0	-0.562019	0	
79	N81	5.977189	0	2.855539	0	
80	N82	5.461564	0	3.748628	0	
81	N83	5.349584	0	3.91469	0	
82	N84	6.065013	0	2.675531	0	
83	N85	5.647207	0	3.260417	0	
84	N86	5.530089	0.166667	3.463272	0	
85	N87	5.530089	0	3.463272	0	
86	N88	5.764326	0.166667	3.057561	0	
87	N89	5.764326	0	3.057561	0	
88	N88B	0.260013	0	-7.379025	0	
89	N89A	6.520429	0	3.464335	0	
90	N91	-6.520429	0	3.464335	0	
91	N92	-0.260013	0	-7.379025	0	
92	N92A	5.739583	0	3.91469	0	
93	N93	3.677083	0	3.91469	0	
94	N94	-3.260417	0	3.91469	0	
95	N95	-5.739583	0	3.91469	0	
96	N96	5.739583	0	4.16469	0	
97	N97	3.677083	0	4.16469	0	
98	N98	-3.260417	0	4.16469	0	
99	N99	-5.739583	0	4.16469	0	
100	N100	5.739583	3.020833	4.16469	0	
101	N101A	5.739583	-2.979167	4.16469	0	
102	N102A	3.677083	2.979167	4.16469	0	
103	N103	3.677083	-3.020833	4.16469	0	
104	N104	-3.260417	3	4.16469	0	
105	N105A	-3.260417	-3	4.16469	0	
106	N106	-5.739583	2.979167	4.16469	0	
107	N107	-5.739583	-3.020833	4.16469	0	
108	N109	0.736936	3.020833	-7.05297	0	
109	N110	0.736936	-2.979167	-7.05297	0	
110	N111	1.768186	2.979167	-5.266793	0	
111	N112	1.768186	-3.020833	-5.266793	0	
112	N113	5.236936	3	0.741259	0	
113	N114	5.236936	-3	0.741259	0	
114	N115	6.476519	2.979167	2.88828	0	
115	N116	6.476519	-3.020833	2.88828	0	
116	N118	-6.476519	3.020833	2.88828	0	
117	N119	-6.476519	-2.979167	2.88828	0	
118	N120	-5.445269	2.979167	1.102103	0	
119	N121	-5.445269	-3.020833	1.102103	0	
120	N122	-1.976519	3	-4.905949	0	
121	N123	-1.976519	-3	-4.905949	0	
122	N124	-0.736936	2.979167	-7.05297	0	
123	N125	-0.736936	-3.020833	-7.05297	0	
124	N125A	0.520429	0	-6.92797	0	
125	N126	1.551679	0	-5.141793	0	
126	N127	5.020429	0	0.866259	0	
127	N128	6.260013	0	3.01328	0	
128	N129	0.736936	0	-7.05297	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N130	1.768186	0	-5.266793	0	
130	N131A	5.236936	0	0.741259	0	
131	N132	6.476519	0	2.88828	0	
132	N134	-6.260013	0	3.01328	0	
133	N135A	-5.228763	0	1.227103	0	
134	N136	-1.760013	0	-4.780949	0	
135	N137	-0.520429	0	-6.92797	0	
136	N138	-6.476519	0	2.88828	0	
137	N139	-5.445269	0	1.102103	0	
138	N140	-1.976519	0	-4.905949	0	
139	N141	-0.736936	0	-7.05297	0	
140	N140A	5.739583	0.895833	4.16469	0	
141	N141A	5.739583	1.895833	4.16469	0	
142	N142	5.739583	-0.104167	4.16469	0	
143	N143	0	0	-2.416667	0	
144	N144A	.25	0	-2.416667	0	
145	N145	.25	-.5	-2.416667	0	
146	N146	.25	3.5	-2.416667	0	
147	N149	-6.260013	2.25	3.01328	0	
148	N150	-5.228763	2.25	1.227103	0	
149	N151	-1.760013	2.25	-4.780949	0	
150	N152	-0.520429	2.25	-6.92797	0	
151	N153	-6.476519	2.25	2.88828	0	
152	N154	-5.445269	2.25	1.102103	0	
153	N155	-1.976519	2.25	-4.905949	0	
154	N156	-0.736936	2.25	-7.05297	0	
155	N158	6.25	2.25	3.91469	0	
156	N159	-6.25	2.25	3.91469	0	
157	N160	5.739583	2.25	3.91469	0	
158	N161	3.677083	2.25	3.91469	0	
159	N162	-3.260417	2.25	3.91469	0	
160	N163	-5.739583	2.25	3.91469	0	
161	N164	5.739583	2.25	4.16469	0	
162	N165	3.677083	2.25	4.16469	0	
163	N166	-3.260417	2.25	4.16469	0	
164	N167	-5.739583	2.25	4.16469	0	
165	N171	0.520429	2.25	-6.92797	0	
166	N172	1.551679	2.25	-5.141793	0	
167	N173	5.020429	2.25	0.866259	0	
168	N174	6.260013	2.25	3.01328	0	
169	N175	0.736936	2.25	-7.05297	0	
170	N176	1.768186	2.25	-5.266793	0	
171	N177	5.236936	2.25	0.741259	0	
172	N178	6.476519	2.25	2.88828	0	
173	N173A	0.265221	2.25	-7.370004	0	
174	N174A	6.515221	2.25	3.455314	0	
175	N175A	-6.515221	2.25	3.455314	0	
176	N176A	-0.265221	2.25	-7.370004	0	
177	N177A	5.	2.25	3.91469	0	
178	N178A	5.	2.25	3.78969	0	
179	N179	-5.	2.25	3.91469	0	
180	N180	-5.	2.25	3.78969	0	
181	N181	0.890221	2.25	-6.287472	0	
182	N182	0.781968	2.25	-6.224972	0	
183	N183	5.890221	2.25	2.372782	0	
184	N184	5.781968	2.25	2.435282	0	
185	N185	-5.890221	2.25	2.372782	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N186	-5.781968	2.25	2.435282	0	
187	N187	-0.890221	2.25	-6.287472	0	
188	N188	-0.781968	2.25	-6.224972	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr....	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmember	HSS4X4X4	Beam	SquareTube	A500 Gr....	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Dual Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	MOD Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	MOD Support Rail Corner Angle	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...Density[k/ft...		Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
5	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
6	M35A	N7	N30			RIGID	None	None	RIGID	Typical
7	M36A	N6	N29			RIGID	None	None	RIGID	Typical
8	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
10	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
11	M58	N102	N24			RIGID	None	None	RIGID	Typical
12	M59	N24	N103A			RIGID	None	None	RIGID	Typical
13	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
15	M79	N131	N86A			RIGID	None	None	RIGID	Typical
16	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
17	M83	N135	N86D			RIGID	None	None	RIGID	Typical
18	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
20	M88	N144	N86B			RIGID	None	None	RIGID	Typical
21	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
22	M92	N148	N86E			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
23	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
24	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
25	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
26	M26	N32	N37			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
27	M27	N41	N43			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
28	M28	N42	N33			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
29	M29	N52	N53			Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M30	N35	N40			RIGID	None	None	RIGID	Typical
31	M31	N34	N39			RIGID	None	None	RIGID	Typical
32	M32	N57	N34			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M33	N35	N59			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
34	M34	N59	N60			RIGID	None	None	RIGID	Typical
35	M35	N42	N36			RIGID	None	None	RIGID	Typical
36	M36	N36	N43			RIGID	None	None	RIGID	Typical
37	M37	N41	N45			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M38	N45	N46			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
39	M39	N46	N50			RIGID	None	None	RIGID	Typical
40	M40	N53	N47			Corner Plate	Beam	BAR	A36 Gr.36	Typical
41	M41	N47	N54			RIGID	None	None	RIGID	Typical
42	M42	N33	N44			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M43A	N44	N48			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
44	M44	N48	N51			RIGID	None	None	RIGID	Typical
45	M45	N52	N49			Corner Plate	Beam	BAR	A36 Gr.36	Typical
46	M46A	N49	N55			RIGID	None	None	RIGID	Typical
47	M47	N60	N56			RIGID	None	None	RIGID	Typical
48	M48	N56	N58			RIGID	None	None	RIGID	Typical
49	M49	N57	N58			RIGID	None	None	RIGID	Typical
50	M50A	N61	N66			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
51	M51C	N70	N72			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
52	M52A	N71	N62			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
53	M53	N81	N82			Corner Plate	Beam	BAR	A36 Gr.36	Typical
54	M54	N64	N69			RIGID	None	None	RIGID	Typical
55	M55	N63	N68			RIGID	None	None	RIGID	Typical
56	M56	N86	N63			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M57	N64	N88			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
58	M58A	N88	N89			RIGID	None	None	RIGID	Typical
59	M59A	N71	N65			RIGID	None	None	RIGID	Typical
60	M60	N65	N72			RIGID	None	None	RIGID	Typical
61	M61	N70	N74			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M62	N74	N75			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
63	M63	N75	N79			RIGID	None	None	RIGID	Typical
64	M64	N82	N76			Corner Plate	Beam	BAR	A36 Gr.36	Typical
65	M65	N76	N83			RIGID	None	None	RIGID	Typical
66	M66	N62	N73			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M67	N73	N77			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
68	M68	N77	N80			RIGID	None	None	RIGID	Typical
69	M69	N81	N78			Corner Plate	Beam	BAR	A36 Gr.36	Typical
70	M70	N78	N84			RIGID	None	None	RIGID	Typical
71	M71	N89	N85			RIGID	None	None	RIGID	Typical
72	M72	N85	N87			RIGID	None	None	RIGID	Typical
73	M73	N86	N87			RIGID	None	None	RIGID	Typical
74	M74	N88B	N89A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M75	N91	N92			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76A	N92A	N96			RIGID	None	None	RIGID	Typical
77	M77A	N93	N97			RIGID	None	None	RIGID	Typical
78	M78	N94	N98			RIGID	None	None	RIGID	Typical
79	M79A	N95	N99			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
80	MP4A	N106	N107			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
81	MP3A	N104	N105A			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	MP2A	N102A	N103			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
83	MP1A	N100	N101A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	MP4C	N115	N116			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
85	MP3C	N113	N114			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	MP2C	N111	N112			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
87	MP1C	N109	N110			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	MP4B	N124	N125			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP3B	N122	N123			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP2B	N120	N121			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP1B	N118	N119			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92A	N125A	N129			RIGID	None	None	RIGID	Typical
93	M93	N126	N130			RIGID	None	None	RIGID	Typical
94	M94	N127	N131A			RIGID	None	None	RIGID	Typical
95	M95	N128	N132			RIGID	None	None	RIGID	Typical
96	M96	N134	N138			RIGID	None	None	RIGID	Typical
97	M97	N135A	N139			RIGID	None	None	RIGID	Typical
98	M98	N136	N140			RIGID	None	None	RIGID	Typical
99	M99	N137	N141			RIGID	None	None	RIGID	Typical
100	M100	N143	N144A			RIGID	None	None	RIGID	Typical
101	OVP	N146	N145			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M103	N149	N153			RIGID	None	None	RIGID	Typical
103	M104	N150	N154			RIGID	None	None	RIGID	Typical
104	M105	N151	N155			RIGID	None	None	RIGID	Typical
105	M106	N152	N156			RIGID	None	None	RIGID	Typical
106	M107	N158	N159			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
107	M108	N160	N164			RIGID	None	None	RIGID	Typical
108	M109	N161	N165			RIGID	None	None	RIGID	Typical
109	M110	N162	N166			RIGID	None	None	RIGID	Typical
110	M111	N163	N167			RIGID	None	None	RIGID	Typical
111	M113	N171	N175			RIGID	None	None	RIGID	Typical
112	M114	N172	N176			RIGID	None	None	RIGID	Typical
113	M115	N173	N177			RIGID	None	None	RIGID	Typical
114	M116	N174	N178			RIGID	None	None	RIGID	Typical
115	M115A	N173A	N174A			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
116	M116A	N175A	N176A			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
117	M117	N177A	N178A			RIGID	None	None	RIGID	Typical
118	M118	N179	N180			RIGID	None	None	RIGID	Typical
119	M119	N181	N182			RIGID	None	None	RIGID	Typical
120	M120	N183	N184			RIGID	None	None	RIGID	Typical
121	M121	N185	N186			RIGID	None	None	RIGID	Typical
122	M122	N187	N188			RIGID	None	None	RIGID	Typical
123	M123	N178A	N184		180	MOD Support ...	Beam	Single Angle	A36 Gr.36	Typical
124	M124	N182	N188		180	MOD Support ...	Beam	Single Angle	A36 Gr.36	Typical
125	M125	N186	N180		180	MOD Support ...	Beam	Single Angle	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Face Horizo...	12.521			Lbyy						Lateral
2	M4	Standoff Ho...	5.188			Lbyy						Lateral
3	M10	Platform Cr...	2.375			Lbyy						Lateral
4	M43	Platform Cr...	2.375			Lbyy						Lateral
5	M46	Corner Plate	1.031			Lbyy						Lateral
6	M51B	Grating Sup...	4.162			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
7	M52B	Grating Sup...	4.162			Lbyy						Lateral
8	M76	Cross Arm ...	.219									Lateral
9	M77	Cross Arm ...	.167									Lateral
10	M80	Corner Plate	.112			Lbyy						Lateral
11	M84	Cross Arm ...	.219									Lateral
12	M85	Cross Arm ...	.167									Lateral
13	M91	Corner Plate	.112			Lbyy						Lateral
14	M26	Standoff Ho...	5.187			Lbyy						Lateral
15	M27	Platform Cr...	2.375			Lbyy						Lateral
16	M28	Platform Cr...	2.375			Lbyy						Lateral
17	M29	Corner Plate	1.031			Lbyy						Lateral
18	M32	Grating Sup...	4.162			Lbyy						Lateral
19	M33	Grating Sup...	4.162			Lbyy						Lateral
20	M37	Cross Arm ...	.219									Lateral
21	M38	Cross Arm ...	.167									Lateral
22	M40	Corner Plate	.112			Lbyy						Lateral
23	M42	Cross Arm ...	.219									Lateral
24	M43A	Cross Arm ...	.167									Lateral
25	M45	Corner Plate	.112			Lbyy						Lateral
26	M50A	Standoff Ho...	5.187			Lbyy						Lateral
27	M51C	Platform Cr...	2.375			Lbyy						Lateral
28	M52A	Platform Cr...	2.375			Lbyy						Lateral
29	M53	Corner Plate	1.031			Lbyy						Lateral
30	M56	Grating Sup...	4.162			Lbyy						Lateral
31	M57	Grating Sup...	4.162			Lbyy						Lateral
32	M61	Cross Arm ...	.219									Lateral
33	M62	Cross Arm ...	.167									Lateral
34	M64	Corner Plate	.112			Lbyy						Lateral
35	M66	Cross Arm ...	.219									Lateral
36	M67	Cross Arm ...	.167									Lateral
37	M69	Corner Plate	.112			Lbyy						Lateral
38	M74	Face Horizo...	12.521			Lbyy						Lateral
39	M75	Face Horizo...	12.521			Lbyy						Lateral
40	MP4A	Mount Pipe	6									Lateral
41	MP3A	Dual Mount ...	6									Lateral
42	MP2A	Mount Pipe	6									Lateral
43	MP1A	Mount Pipe	6									Lateral
44	MP4C	Mount Pipe	6									Lateral
45	MP3C	Dual Mount ...	6									Lateral
46	MP2C	Mount Pipe	6									Lateral
47	MP1C	Mount Pipe	6									Lateral
48	MP4B	Mount Pipe	6									Lateral
49	MP3B	Dual Mount ...	6									Lateral
50	MP2B	Mount Pipe	6									Lateral
51	MP1B	Mount Pipe	6									Lateral
52	OVP	Mount Pipe	4									Lateral
53	M107	MOD Supp...	12.5			Lbyy						Lateral
54	M115A	MOD Supp...	12.5			Lbyy						Lateral
55	M116A	MOD Supp...	12.5			Lbyy						Lateral
56	M123	MOD Supp...	1.564			Lbyy						Lateral
57	M124	MOD Supp...	1.564			Lbyy						Lateral
58	M125	MOD Supp...	1.564			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-23	.13
2	MP3A	My	-.017	.13
3	MP3A	Mz	.015	.13
4	MP3A	Y	-23	4.13
5	MP3A	My	-.017	4.13
6	MP3A	Mz	.015	4.13
7	MP3B	Y	-23	.13
8	MP3B	My	.007	.13
9	MP3B	Mz	-.022	.13
10	MP3B	Y	-23	4.13
11	MP3B	My	.007	4.13
12	MP3B	Mz	-.022	4.13
13	MP3C	Y	-23	.13
14	MP3C	My	.022	.13
15	MP3C	Mz	.007	.13
16	MP3C	Y	-23	4.13
17	MP3C	My	.022	4.13
18	MP3C	Mz	.007	4.13
19	MP3A	Y	-23	.13
20	MP3A	My	-.017	.13
21	MP3A	Mz	-.015	.13
22	MP3A	Y	-23	4.13
23	MP3A	My	-.017	4.13
24	MP3A	Mz	-.015	4.13
25	MP3B	Y	-23	.13
26	MP3B	My	.023	.13
27	MP3B	Mz	.005	.13
28	MP3B	Y	-23	4.13
29	MP3B	My	.023	4.13
30	MP3B	Mz	.005	4.13
31	MP3C	Y	-23	.13
32	MP3C	My	-.005	.13
33	MP3C	Mz	.023	.13
34	MP3C	Y	-23	4.13
35	MP3C	My	-.005	4.13
36	MP3C	Mz	.023	4.13
37	MP2A	Y	-43.55	1.13
38	MP2A	My	-.033	1.13
39	MP2A	Mz	0	1.13
40	MP2A	Y	-43.55	3.13
41	MP2A	My	-.033	3.13
42	MP2A	Mz	0	3.13
43	MP2B	Y	-43.55	1.13
44	MP2B	My	.028	1.13
45	MP2B	Mz	-.016	1.13
46	MP2B	Y	-43.55	3.13
47	MP2B	My	.028	3.13
48	MP2B	Mz	-.016	3.13
49	MP2C	Y	-43.55	1.13
50	MP2C	My	.016	1.13
51	MP2C	Mz	.028	1.13
52	MP2C	Y	-43.55	3.13
53	MP2C	My	.016	3.13
54	MP2C	Mz	.028	3.13
55	OVP	Y	-32	1
56	OVP	My	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	OVP	Mz	0	1
58	MP4A	Y	-84.4	2
59	MP4A	My	.007	2
60	MP4A	Mz	0	2
61	MP4B	Y	-84.4	2
62	MP4B	My	-.006	2
63	MP4B	Mz	.004	2
64	MP4C	Y	-84.4	2
65	MP4C	My	-.004	2
66	MP4C	Mz	-.006	2
67	MP3A	Y	-70.3	2
68	MP3A	My	.035	2
69	MP3A	Mz	0	2
70	MP3B	Y	-70.3	2
71	MP3B	My	-.03	2
72	MP3B	Mz	.018	2
73	MP3C	Y	-70.3	2
74	MP3C	My	-.018	2
75	MP3C	Mz	-.03	2
76	MP1A	Y	-9.25	1.13
77	MP1A	My	-.006	1.13
78	MP1A	Mz	.003	1.13
79	MP1A	Y	-9.25	3.13
80	MP1A	My	-.006	3.13
81	MP1A	Mz	.003	3.13
82	MP1B	Y	-9.25	1.13
83	MP1B	My	0	1.13
84	MP1B	Mz	-.007	1.13
85	MP1B	Y	-9.25	3.13
86	MP1B	My	0	3.13
87	MP1B	Mz	-.007	3.13
88	MP1C	Y	-9.25	1.13
89	MP1C	My	.006	1.13
90	MP1C	Mz	.003	1.13
91	MP1C	Y	-9.25	3.13
92	MP1C	My	.006	3.13
93	MP1C	Mz	.003	3.13

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-82.122	.13
2	MP3A	My	-.062	.13
3	MP3A	Mz	.055	.13
4	MP3A	Y	-82.122	4.13
5	MP3A	My	-.062	4.13
6	MP3A	Mz	.055	4.13
7	MP3B	Y	-82.122	.13
8	MP3B	My	.026	.13
9	MP3B	Mz	-.078	.13
10	MP3B	Y	-82.122	4.13
11	MP3B	My	.026	4.13
12	MP3B	Mz	-.078	4.13
13	MP3C	Y	-82.122	.13
14	MP3C	My	.078	.13
15	MP3C	Mz	.026	.13
16	MP3C	Y	-82.122	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	My	.078	4.13
18	MP3C	Mz	.026	4.13
19	MP3A	Y	-82.122	.13
20	MP3A	My	-.062	.13
21	MP3A	Mz	-.055	.13
22	MP3A	Y	-82.122	4.13
23	MP3A	My	-.062	4.13
24	MP3A	Mz	-.055	4.13
25	MP3B	Y	-82.122	.13
26	MP3B	My	.081	.13
27	MP3B	Mz	.017	.13
28	MP3B	Y	-82.122	4.13
29	MP3B	My	.081	4.13
30	MP3B	Mz	.017	4.13
31	MP3C	Y	-82.122	.13
32	MP3C	My	-.017	.13
33	MP3C	Mz	.081	.13
34	MP3C	Y	-82.122	4.13
35	MP3C	My	-.017	4.13
36	MP3C	Mz	.081	4.13
37	MP2A	Y	-35.461	1.13
38	MP2A	My	-.027	1.13
39	MP2A	Mz	0	1.13
40	MP2A	Y	-35.461	3.13
41	MP2A	My	-.027	3.13
42	MP2A	Mz	0	3.13
43	MP2B	Y	-35.461	1.13
44	MP2B	My	.023	1.13
45	MP2B	Mz	-.013	1.13
46	MP2B	Y	-35.461	3.13
47	MP2B	My	.023	3.13
48	MP2B	Mz	-.013	3.13
49	MP2C	Y	-35.461	1.13
50	MP2C	My	.013	1.13
51	MP2C	Mz	.023	1.13
52	MP2C	Y	-35.461	3.13
53	MP2C	My	.013	3.13
54	MP2C	Mz	.023	3.13
55	OVP	Y	-75.627	1
56	OVP	My	0	1
57	OVP	Mz	0	1
58	MP4A	Y	-44.705	2
59	MP4A	My	.004	2
60	MP4A	Mz	0	2
61	MP4B	Y	-44.705	2
62	MP4B	My	-.003	2
63	MP4B	Mz	.002	2
64	MP4C	Y	-44.705	2
65	MP4C	My	-.002	2
66	MP4C	Mz	-.003	2
67	MP3A	Y	-40.202	2
68	MP3A	My	.02	2
69	MP3A	Mz	0	2
70	MP3B	Y	-40.202	2
71	MP3B	My	-.017	2
72	MP3B	Mz	.01	2
73	MP3C	Y	-40.202	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3C	My	-.01	2
75	MP3C	Mz	-.017	2
76	MP1A	Y	-39.292	1.13
77	MP1A	My	-.026	1.13
78	MP1A	Mz	.015	1.13
79	MP1A	Y	-39.292	3.13
80	MP1A	My	-.026	3.13
81	MP1A	Mz	.015	3.13
82	MP1B	Y	-39.292	1.13
83	MP1B	My	0	1.13
84	MP1B	Mz	-.029	1.13
85	MP1B	Y	-39.292	3.13
86	MP1B	My	0	3.13
87	MP1B	Mz	-.029	3.13
88	MP1C	Y	-39.292	1.13
89	MP1C	My	.026	1.13
90	MP1C	Mz	.015	1.13
91	MP1C	Y	-39.292	3.13
92	MP1C	My	.026	3.13
93	MP1C	Mz	.015	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.13
2	MP3A	Z	-165.928	.13
3	MP3A	Mx	-.111	.13
4	MP3A	X	0	4.13
5	MP3A	Z	-165.928	4.13
6	MP3A	Mx	-.111	4.13
7	MP3B	X	0	.13
8	MP3B	Z	-155.286	.13
9	MP3B	Mx	.148	.13
10	MP3B	X	0	4.13
11	MP3B	Z	-155.286	4.13
12	MP3B	Mx	.148	4.13
13	MP3C	X	0	.13
14	MP3C	Z	-134.003	.13
15	MP3C	Mx	-.042	.13
16	MP3C	X	0	4.13
17	MP3C	Z	-134.003	4.13
18	MP3C	Mx	-.042	4.13
19	MP3A	X	0	.13
20	MP3A	Z	-165.928	.13
21	MP3A	Mx	.111	.13
22	MP3A	X	0	4.13
23	MP3A	Z	-165.928	4.13
24	MP3A	Mx	.111	4.13
25	MP3B	X	0	.13
26	MP3B	Z	-155.286	.13
27	MP3B	Mx	-.031	.13
28	MP3B	X	0	4.13
29	MP3B	Z	-155.286	4.13
30	MP3B	Mx	-.031	4.13
31	MP3C	X	0	.13
32	MP3C	Z	-134.003	.13
33	MP3C	Mx	-.132	.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	0	4.13
35	MP3C	Z	-134.003	4.13
36	MP3C	Mx	-.132	4.13
37	MP2A	X	0	1.13
38	MP2A	Z	-79.013	1.13
39	MP2A	Mx	0	1.13
40	MP2A	X	0	3.13
41	MP2A	Z	-79.013	3.13
42	MP2A	Mx	0	3.13
43	MP2B	X	0	1.13
44	MP2B	Z	-66.993	1.13
45	MP2B	Mx	.025	1.13
46	MP2B	X	0	3.13
47	MP2B	Z	-66.993	3.13
48	MP2B	Mx	.025	3.13
49	MP2C	X	0	1.13
50	MP2C	Z	-42.953	1.13
51	MP2C	Mx	-.028	1.13
52	MP2C	X	0	3.13
53	MP2C	Z	-42.953	3.13
54	MP2C	Mx	-.028	3.13
55	OVP	X	0	1
56	OVP	Z	-116.659	1
57	OVP	Mx	0	1
58	MP4A	X	0	2
59	MP4A	Z	-62.874	2
60	MP4A	Mx	0	2
61	MP4B	X	0	2
62	MP4B	Z	-57.663	2
63	MP4B	Mx	-.002	2
64	MP4C	X	0	2
65	MP4C	Z	-47.24	2
66	MP4C	Mx	.003	2
67	MP3A	X	0	2
68	MP3A	Z	-62.874	2
69	MP3A	Mx	0	2
70	MP3B	X	0	2
71	MP3B	Z	-55.666	2
72	MP3B	Mx	-.014	2
73	MP3C	X	0	2
74	MP3C	Z	-41.251	2
75	MP3C	Mx	.018	2
76	MP1A	X	0	1.13
77	MP1A	Z	-77.425	1.13
78	MP1A	Mx	-.029	1.13
79	MP1A	X	0	3.13
80	MP1A	Z	-77.425	3.13
81	MP1A	Mx	-.029	3.13
82	MP1B	X	0	1.13
83	MP1B	Z	-44.924	1.13
84	MP1B	Mx	.034	1.13
85	MP1B	X	0	3.13
86	MP1B	Z	-44.924	3.13
87	MP1B	Mx	.034	3.13
88	MP1C	X	0	1.13
89	MP1C	Z	-77.425	1.13
90	MP1C	Mx	-.029	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP1C	X	0	3.13
92	MP1C	Z	-77.425	3.13
93	MP1C	Mx	-.029	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	77.643	.13
2	MP3A	Z	-134.482	.13
3	MP3A	Mx	-.148	.13
4	MP3A	X	77.643	4.13
5	MP3A	Z	-134.482	4.13
6	MP3A	Mx	-.148	4.13
7	MP3B	X	67.001	.13
8	MP3B	Z	-116.05	.13
9	MP3B	Mx	.132	.13
10	MP3B	X	67.001	4.13
11	MP3B	Z	-116.05	4.13
12	MP3B	Mx	.132	4.13
13	MP3C	X	77.643	.13
14	MP3C	Z	-134.482	.13
15	MP3C	Mx	.031	.13
16	MP3C	X	77.643	4.13
17	MP3C	Z	-134.482	4.13
18	MP3C	Mx	.031	4.13
19	MP3A	X	77.643	.13
20	MP3A	Z	-134.482	.13
21	MP3A	Mx	.031	.13
22	MP3A	X	77.643	4.13
23	MP3A	Z	-134.482	4.13
24	MP3A	Mx	.031	4.13
25	MP3B	X	67.001	.13
26	MP3B	Z	-116.05	.13
27	MP3B	Mx	.042	.13
28	MP3B	X	67.001	4.13
29	MP3B	Z	-116.05	4.13
30	MP3B	Mx	.042	4.13
31	MP3C	X	77.643	.13
32	MP3C	Z	-134.482	.13
33	MP3C	Mx	-.148	.13
34	MP3C	X	77.643	4.13
35	MP3C	Z	-134.482	4.13
36	MP3C	Mx	-.148	4.13
37	MP2A	X	33.497	1.13
38	MP2A	Z	-58.018	1.13
39	MP2A	Mx	-.025	1.13
40	MP2A	X	33.497	3.13
41	MP2A	Z	-58.018	3.13
42	MP2A	Mx	-.025	3.13
43	MP2B	X	21.477	1.13
44	MP2B	Z	-37.199	1.13
45	MP2B	Mx	.028	1.13
46	MP2B	X	21.477	3.13
47	MP2B	Z	-37.199	3.13
48	MP2B	Mx	.028	3.13
49	MP2C	X	33.497	1.13
50	MP2C	Z	-58.018	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP2C	Mx	-.025	1.13
52	MP2C	X	33.497	3.13
53	MP2C	Z	-58.018	3.13
54	MP2C	Mx	-.025	3.13
55	OVP	X	47.559	1
56	OVP	Z	-82.375	1
57	OVP	Mx	0	1
58	MP4A	X	28.831	2
59	MP4A	Z	-49.937	2
60	MP4A	Mx	.002	2
61	MP4B	X	23.62	2
62	MP4B	Z	-40.911	2
63	MP4B	Mx	-.003	2
64	MP4C	X	28.831	2
65	MP4C	Z	-49.937	2
66	MP4C	Mx	.002	2
67	MP3A	X	27.833	2
68	MP3A	Z	-48.209	2
69	MP3A	Mx	.014	2
70	MP3B	X	20.625	2
71	MP3B	Z	-35.724	2
72	MP3B	Mx	-.018	2
73	MP3C	X	27.833	2
74	MP3C	Z	-48.209	2
75	MP3C	Mx	.014	2
76	MP1A	X	27.879	1.13
77	MP1A	Z	-48.287	1.13
78	MP1A	Mx	-.036	1.13
79	MP1A	X	27.879	3.13
80	MP1A	Z	-48.287	3.13
81	MP1A	Mx	-.036	3.13
82	MP1B	X	27.879	1.13
83	MP1B	Z	-48.287	1.13
84	MP1B	Mx	.036	1.13
85	MP1B	X	27.879	3.13
86	MP1B	Z	-48.287	3.13
87	MP1B	Mx	.036	3.13
88	MP1C	X	44.13	1.13
89	MP1C	Z	-76.435	1.13
90	MP1C	Mx	0	1.13
91	MP1C	X	44.13	3.13
92	MP1C	Z	-76.435	3.13
93	MP1C	Mx	0	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	116.05	.13
2	MP3A	Z	-67.001	.13
3	MP3A	Mx	-.132	.13
4	MP3A	X	116.05	4.13
5	MP3A	Z	-67.001	4.13
6	MP3A	Mx	-.132	4.13
7	MP3B	X	106.834	.13
8	MP3B	Z	-61.68	.13
9	MP3B	Mx	.093	.13
10	MP3B	X	106.834	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3B	Z	-61.68	4.13
12	MP3B	Mx	.093	4.13
13	MP3C	X	143.698	.13
14	MP3C	Z	-82.964	.13
15	MP3C	Mx	.111	.13
16	MP3C	X	143.698	4.13
17	MP3C	Z	-82.964	4.13
18	MP3C	Mx	.111	4.13
19	MP3A	X	116.05	.13
20	MP3A	Z	-67.001	.13
21	MP3A	Mx	-.042	.13
22	MP3A	X	116.05	4.13
23	MP3A	Z	-67.001	4.13
24	MP3A	Mx	-.042	4.13
25	MP3B	X	106.834	.13
26	MP3B	Z	-61.68	.13
27	MP3B	Mx	.093	.13
28	MP3B	X	106.834	4.13
29	MP3B	Z	-61.68	4.13
30	MP3B	Mx	.093	4.13
31	MP3C	X	143.698	.13
32	MP3C	Z	-82.964	.13
33	MP3C	Mx	-.111	.13
34	MP3C	X	143.698	4.13
35	MP3C	Z	-82.964	4.13
36	MP3C	Mx	-.111	4.13
37	MP2A	X	37.199	1.13
38	MP2A	Z	-21.477	1.13
39	MP2A	Mx	-.028	1.13
40	MP2A	X	37.199	3.13
41	MP2A	Z	-21.477	3.13
42	MP2A	Mx	-.028	3.13
43	MP2B	X	26.789	1.13
44	MP2B	Z	-15.467	1.13
45	MP2B	Mx	.023	1.13
46	MP2B	X	26.789	3.13
47	MP2B	Z	-15.467	3.13
48	MP2B	Mx	.023	3.13
49	MP2C	X	68.427	1.13
50	MP2C	Z	-39.507	1.13
51	MP2C	Mx	0	1.13
52	MP2C	X	68.427	3.13
53	MP2C	Z	-39.507	3.13
54	MP2C	Mx	0	3.13
55	OVP	X	73.048	1
56	OVP	Z	-42.174	1
57	OVP	Mx	0	1
58	MP4A	X	40.911	2
59	MP4A	Z	-23.62	2
60	MP4A	Mx	.003	2
61	MP4B	X	36.398	2
62	MP4B	Z	-21.014	2
63	MP4B	Mx	-.004	2
64	MP4C	X	54.451	2
65	MP4C	Z	-31.437	2
66	MP4C	Mx	0	2
67	MP3A	X	35.724	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP3A	Z	-20.625	2
69	MP3A	Mx	.018	2
70	MP3B	X	29.482	2
71	MP3B	Z	-17.021	2
72	MP3B	Mx	-.017	2
73	MP3C	X	54.451	2
74	MP3C	Z	-31.437	2
75	MP3C	Mx	0	2
76	MP1A	X	38.905	1.13
77	MP1A	Z	-22.462	1.13
78	MP1A	Mx	-.034	1.13
79	MP1A	X	38.905	3.13
80	MP1A	Z	-22.462	3.13
81	MP1A	Mx	-.034	3.13
82	MP1B	X	67.052	1.13
83	MP1B	Z	-38.713	1.13
84	MP1B	Mx	.029	1.13
85	MP1B	X	67.052	3.13
86	MP1B	Z	-38.713	3.13
87	MP1B	Mx	.029	3.13
88	MP1C	X	67.052	1.13
89	MP1C	Z	-38.713	1.13
90	MP1C	Mx	.029	1.13
91	MP1C	X	67.052	3.13
92	MP1C	Z	-38.713	3.13
93	MP1C	Mx	.029	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	123.361	.13
2	MP3A	Z	0	.13
3	MP3A	Mx	-.093	.13
4	MP3A	X	123.361	4.13
5	MP3A	Z	0	4.13
6	MP3A	Mx	-.093	4.13
7	MP3B	X	134.003	.13
8	MP3B	Z	0	.13
9	MP3B	Mx	.042	.13
10	MP3B	X	134.003	4.13
11	MP3B	Z	0	4.13
12	MP3B	Mx	.042	4.13
13	MP3C	X	155.286	.13
14	MP3C	Z	0	.13
15	MP3C	Mx	.148	.13
16	MP3C	X	155.286	4.13
17	MP3C	Z	0	4.13
18	MP3C	Mx	.148	4.13
19	MP3A	X	123.361	.13
20	MP3A	Z	0	.13
21	MP3A	Mx	-.093	.13
22	MP3A	X	123.361	4.13
23	MP3A	Z	0	4.13
24	MP3A	Mx	-.093	4.13
25	MP3B	X	134.003	.13
26	MP3B	Z	0	.13
27	MP3B	Mx	.132	.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP3B	X	134.003	4.13
29	MP3B	Z	0	4.13
30	MP3B	Mx	.132	4.13
31	MP3C	X	155.286	.13
32	MP3C	Z	0	.13
33	MP3C	Mx	-.031	.13
34	MP3C	X	155.286	4.13
35	MP3C	Z	0	4.13
36	MP3C	Mx	-.031	4.13
37	MP2A	X	30.934	1.13
38	MP2A	Z	0	1.13
39	MP2A	Mx	-.023	1.13
40	MP2A	X	30.934	3.13
41	MP2A	Z	0	3.13
42	MP2A	Mx	-.023	3.13
43	MP2B	X	42.953	1.13
44	MP2B	Z	0	1.13
45	MP2B	Mx	.028	1.13
46	MP2B	X	42.953	3.13
47	MP2B	Z	0	3.13
48	MP2B	Mx	.028	3.13
49	MP2C	X	66.993	1.13
50	MP2C	Z	0	1.13
51	MP2C	Mx	.025	1.13
52	MP2C	X	66.993	3.13
53	MP2C	Z	0	3.13
54	MP2C	Mx	.025	3.13
55	OVP	X	95.119	1
56	OVP	Z	0	1
57	OVP	Mx	0	1
58	MP4A	X	42.028	2
59	MP4A	Z	0	2
60	MP4A	Mx	.004	2
61	MP4B	X	47.24	2
62	MP4B	Z	0	2
63	MP4B	Mx	-.003	2
64	MP4C	X	57.663	2
65	MP4C	Z	0	2
66	MP4C	Mx	-.002	2
67	MP3A	X	34.043	2
68	MP3A	Z	0	2
69	MP3A	Mx	.017	2
70	MP3B	X	41.251	2
71	MP3B	Z	0	2
72	MP3B	Mx	-.018	2
73	MP3C	X	55.666	2
74	MP3C	Z	0	2
75	MP3C	Mx	-.014	2
76	MP1A	X	55.758	1.13
77	MP1A	Z	0	1.13
78	MP1A	Mx	-.036	1.13
79	MP1A	X	55.758	3.13
80	MP1A	Z	0	3.13
81	MP1A	Mx	-.036	3.13
82	MP1B	X	88.259	1.13
83	MP1B	Z	0	1.13
84	MP1B	Mx	0	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	88.259	3.13
86	MP1B	Z	0	3.13
87	MP1B	Mx	0	3.13
88	MP1C	X	55.758	1.13
89	MP1C	Z	0	1.13
90	MP1C	Mx	.036	1.13
91	MP1C	X	55.758	3.13
92	MP1C	Z	0	3.13
93	MP1C	Mx	.036	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	116.05	.13
2	MP3A	Z	67.001	.13
3	MP3A	Mx	-.042	.13
4	MP3A	X	116.05	4.13
5	MP3A	Z	67.001	4.13
6	MP3A	Mx	-.042	4.13
7	MP3B	X	134.482	.13
8	MP3B	Z	77.643	.13
9	MP3B	Mx	-.031	.13
10	MP3B	X	134.482	4.13
11	MP3B	Z	77.643	4.13
12	MP3B	Mx	-.031	4.13
13	MP3C	X	116.05	.13
14	MP3C	Z	67.001	.13
15	MP3C	Mx	.132	.13
16	MP3C	X	116.05	4.13
17	MP3C	Z	67.001	4.13
18	MP3C	Mx	.132	4.13
19	MP3A	X	116.05	.13
20	MP3A	Z	67.001	.13
21	MP3A	Mx	-.132	.13
22	MP3A	X	116.05	4.13
23	MP3A	Z	67.001	4.13
24	MP3A	Mx	-.132	4.13
25	MP3B	X	134.482	.13
26	MP3B	Z	77.643	.13
27	MP3B	Mx	.148	.13
28	MP3B	X	134.482	4.13
29	MP3B	Z	77.643	4.13
30	MP3B	Mx	.148	4.13
31	MP3C	X	116.05	.13
32	MP3C	Z	67.001	.13
33	MP3C	Mx	.042	.13
34	MP3C	X	116.05	4.13
35	MP3C	Z	67.001	4.13
36	MP3C	Mx	.042	4.13
37	MP2A	X	37.199	1.13
38	MP2A	Z	21.477	1.13
39	MP2A	Mx	-.028	1.13
40	MP2A	X	37.199	3.13
41	MP2A	Z	21.477	3.13
42	MP2A	Mx	-.028	3.13
43	MP2B	X	58.018	1.13
44	MP2B	Z	33.497	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP2B	Mx	.025	1.13
46	MP2B	X	58.018	3.13
47	MP2B	Z	33.497	3.13
48	MP2B	Mx	.025	3.13
49	MP2C	X	37.199	1.13
50	MP2C	Z	21.477	1.13
51	MP2C	Mx	.028	1.13
52	MP2C	X	37.199	3.13
53	MP2C	Z	21.477	3.13
54	MP2C	Mx	.028	3.13
55	OVP	X	101.03	1
56	OVP	Z	58.33	1
57	OVP	Mx	0	1
58	MP4A	X	40.911	2
59	MP4A	Z	23.62	2
60	MP4A	Mx	.003	2
61	MP4B	X	49.937	2
62	MP4B	Z	28.831	2
63	MP4B	Mx	-.002	2
64	MP4C	X	40.911	2
65	MP4C	Z	23.62	2
66	MP4C	Mx	-.003	2
67	MP3A	X	35.724	2
68	MP3A	Z	20.625	2
69	MP3A	Mx	.018	2
70	MP3B	X	48.209	2
71	MP3B	Z	27.833	2
72	MP3B	Mx	-.014	2
73	MP3C	X	35.724	2
74	MP3C	Z	20.625	2
75	MP3C	Mx	-.018	2
76	MP1A	X	67.052	1.13
77	MP1A	Z	38.713	1.13
78	MP1A	Mx	-.029	1.13
79	MP1A	X	67.052	3.13
80	MP1A	Z	38.713	3.13
81	MP1A	Mx	-.029	3.13
82	MP1B	X	67.052	1.13
83	MP1B	Z	38.713	1.13
84	MP1B	Mx	-.029	1.13
85	MP1B	X	67.052	3.13
86	MP1B	Z	38.713	3.13
87	MP1B	Mx	-.029	3.13
88	MP1C	X	38.905	1.13
89	MP1C	Z	22.462	1.13
90	MP1C	Mx	.034	1.13
91	MP1C	X	38.905	3.13
92	MP1C	Z	22.462	3.13
93	MP1C	Mx	.034	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	77.643	.13
2	MP3A	Z	134.482	.13
3	MP3A	Mx	.031	.13
4	MP3A	X	77.643	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3A	Z	134.482	4.13
6	MP3A	Mx	.031	4.13
7	MP3B	X	82.964	.13
8	MP3B	Z	143.698	.13
9	MP3B	Mx	-.111	.13
10	MP3B	X	82.964	4.13
11	MP3B	Z	143.698	4.13
12	MP3B	Mx	-.111	4.13
13	MP3C	X	61.68	.13
14	MP3C	Z	106.834	.13
15	MP3C	Mx	.093	.13
16	MP3C	X	61.68	4.13
17	MP3C	Z	106.834	4.13
18	MP3C	Mx	.093	4.13
19	MP3A	X	77.643	.13
20	MP3A	Z	134.482	.13
21	MP3A	Mx	-.148	.13
22	MP3A	X	77.643	4.13
23	MP3A	Z	134.482	4.13
24	MP3A	Mx	-.148	4.13
25	MP3B	X	82.964	.13
26	MP3B	Z	143.698	.13
27	MP3B	Mx	.111	.13
28	MP3B	X	82.964	4.13
29	MP3B	Z	143.698	4.13
30	MP3B	Mx	.111	4.13
31	MP3C	X	61.68	.13
32	MP3C	Z	106.834	.13
33	MP3C	Mx	.093	.13
34	MP3C	X	61.68	4.13
35	MP3C	Z	106.834	4.13
36	MP3C	Mx	.093	4.13
37	MP2A	X	33.497	1.13
38	MP2A	Z	58.018	1.13
39	MP2A	Mx	-.025	1.13
40	MP2A	X	33.497	3.13
41	MP2A	Z	58.018	3.13
42	MP2A	Mx	-.025	3.13
43	MP2B	X	39.507	1.13
44	MP2B	Z	68.427	1.13
45	MP2B	Mx	0	1.13
46	MP2B	X	39.507	3.13
47	MP2B	Z	68.427	3.13
48	MP2B	Mx	0	3.13
49	MP2C	X	15.467	1.13
50	MP2C	Z	26.789	1.13
51	MP2C	Mx	.023	1.13
52	MP2C	X	15.467	3.13
53	MP2C	Z	26.789	3.13
54	MP2C	Mx	.023	3.13
55	OVP	X	63.715	1
56	OVP	Z	110.357	1
57	OVP	Mx	0	1
58	MP4A	X	28.831	2
59	MP4A	Z	49.937	2
60	MP4A	Mx	.002	2
61	MP4B	X	31.437	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP4B	Z	54.451	2
63	MP4B	Mx	0	2
64	MP4C	X	21.014	2
65	MP4C	Z	36.398	2
66	MP4C	Mx	-.004	2
67	MP3A	X	27.833	2
68	MP3A	Z	48.209	2
69	MP3A	Mx	.014	2
70	MP3B	X	31.437	2
71	MP3B	Z	54.451	2
72	MP3B	Mx	0	2
73	MP3C	X	17.021	2
74	MP3C	Z	29.482	2
75	MP3C	Mx	-.017	2
76	MP1A	X	44.13	1.13
77	MP1A	Z	76.435	1.13
78	MP1A	Mx	0	1.13
79	MP1A	X	44.13	3.13
80	MP1A	Z	76.435	3.13
81	MP1A	Mx	0	3.13
82	MP1B	X	27.879	1.13
83	MP1B	Z	48.287	1.13
84	MP1B	Mx	-.036	1.13
85	MP1B	X	27.879	3.13
86	MP1B	Z	48.287	3.13
87	MP1B	Mx	-.036	3.13
88	MP1C	X	27.879	1.13
89	MP1C	Z	48.287	1.13
90	MP1C	Mx	.036	1.13
91	MP1C	X	27.879	3.13
92	MP1C	Z	48.287	3.13
93	MP1C	Mx	.036	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.13
2	MP3A	Z	165.928	.13
3	MP3A	Mx	.111	.13
4	MP3A	X	0	4.13
5	MP3A	Z	165.928	4.13
6	MP3A	Mx	.111	4.13
7	MP3B	X	0	.13
8	MP3B	Z	155.286	.13
9	MP3B	Mx	-.148	.13
10	MP3B	X	0	4.13
11	MP3B	Z	155.286	4.13
12	MP3B	Mx	-.148	4.13
13	MP3C	X	0	.13
14	MP3C	Z	134.003	.13
15	MP3C	Mx	.042	.13
16	MP3C	X	0	4.13
17	MP3C	Z	134.003	4.13
18	MP3C	Mx	.042	4.13
19	MP3A	X	0	.13
20	MP3A	Z	165.928	.13
21	MP3A	Mx	-.111	.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP3A	X	0	4.13
23	MP3A	Z	165.928	4.13
24	MP3A	Mx	-.111	4.13
25	MP3B	X	0	.13
26	MP3B	Z	155.286	.13
27	MP3B	Mx	.031	.13
28	MP3B	X	0	4.13
29	MP3B	Z	155.286	4.13
30	MP3B	Mx	.031	4.13
31	MP3C	X	0	.13
32	MP3C	Z	134.003	.13
33	MP3C	Mx	.132	.13
34	MP3C	X	0	4.13
35	MP3C	Z	134.003	4.13
36	MP3C	Mx	.132	4.13
37	MP2A	X	0	1.13
38	MP2A	Z	79.013	1.13
39	MP2A	Mx	0	1.13
40	MP2A	X	0	3.13
41	MP2A	Z	79.013	3.13
42	MP2A	Mx	0	3.13
43	MP2B	X	0	1.13
44	MP2B	Z	66.993	1.13
45	MP2B	Mx	-.025	1.13
46	MP2B	X	0	3.13
47	MP2B	Z	66.993	3.13
48	MP2B	Mx	-.025	3.13
49	MP2C	X	0	1.13
50	MP2C	Z	42.953	1.13
51	MP2C	Mx	.028	1.13
52	MP2C	X	0	3.13
53	MP2C	Z	42.953	3.13
54	MP2C	Mx	.028	3.13
55	OVP	X	0	1
56	OVP	Z	116.659	1
57	OVP	Mx	0	1
58	MP4A	X	0	2
59	MP4A	Z	62.874	2
60	MP4A	Mx	0	2
61	MP4B	X	0	2
62	MP4B	Z	57.663	2
63	MP4B	Mx	.002	2
64	MP4C	X	0	2
65	MP4C	Z	47.24	2
66	MP4C	Mx	-.003	2
67	MP3A	X	0	2
68	MP3A	Z	62.874	2
69	MP3A	Mx	0	2
70	MP3B	X	0	2
71	MP3B	Z	55.666	2
72	MP3B	Mx	.014	2
73	MP3C	X	0	2
74	MP3C	Z	41.251	2
75	MP3C	Mx	-.018	2
76	MP1A	X	0	1.13
77	MP1A	Z	77.425	1.13
78	MP1A	Mx	.029	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1A	X	0	3.13
80	MP1A	Z	77.425	3.13
81	MP1A	Mx	.029	3.13
82	MP1B	X	0	1.13
83	MP1B	Z	44.924	1.13
84	MP1B	Mx	-.034	1.13
85	MP1B	X	0	3.13
86	MP1B	Z	44.924	3.13
87	MP1B	Mx	-.034	3.13
88	MP1C	X	0	1.13
89	MP1C	Z	77.425	1.13
90	MP1C	Mx	.029	1.13
91	MP1C	X	0	3.13
92	MP1C	Z	77.425	3.13
93	MP1C	Mx	.029	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-77.643	.13
2	MP3A	Z	134.482	.13
3	MP3A	Mx	.148	.13
4	MP3A	X	-77.643	4.13
5	MP3A	Z	134.482	4.13
6	MP3A	Mx	.148	4.13
7	MP3B	X	-67.001	.13
8	MP3B	Z	116.05	.13
9	MP3B	Mx	-.132	.13
10	MP3B	X	-67.001	4.13
11	MP3B	Z	116.05	4.13
12	MP3B	Mx	-.132	4.13
13	MP3C	X	-77.643	.13
14	MP3C	Z	134.482	.13
15	MP3C	Mx	-.031	.13
16	MP3C	X	-77.643	4.13
17	MP3C	Z	134.482	4.13
18	MP3C	Mx	-.031	4.13
19	MP3A	X	-77.643	.13
20	MP3A	Z	134.482	.13
21	MP3A	Mx	-.031	.13
22	MP3A	X	-77.643	4.13
23	MP3A	Z	134.482	4.13
24	MP3A	Mx	-.031	4.13
25	MP3B	X	-67.001	.13
26	MP3B	Z	116.05	.13
27	MP3B	Mx	-.042	.13
28	MP3B	X	-67.001	4.13
29	MP3B	Z	116.05	4.13
30	MP3B	Mx	-.042	4.13
31	MP3C	X	-77.643	.13
32	MP3C	Z	134.482	.13
33	MP3C	Mx	.148	.13
34	MP3C	X	-77.643	4.13
35	MP3C	Z	134.482	4.13
36	MP3C	Mx	.148	4.13
37	MP2A	X	-33.497	1.13
38	MP2A	Z	58.018	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP2A	Mx	.025	1.13
40	MP2A	X	-33.497	3.13
41	MP2A	Z	58.018	3.13
42	MP2A	Mx	.025	3.13
43	MP2B	X	-21.477	1.13
44	MP2B	Z	37.199	1.13
45	MP2B	Mx	-.028	1.13
46	MP2B	X	-21.477	3.13
47	MP2B	Z	37.199	3.13
48	MP2B	Mx	-.028	3.13
49	MP2C	X	-33.497	1.13
50	MP2C	Z	58.018	1.13
51	MP2C	Mx	.025	1.13
52	MP2C	X	-33.497	3.13
53	MP2C	Z	58.018	3.13
54	MP2C	Mx	.025	3.13
55	OVP	X	-47.559	1
56	OVP	Z	82.375	1
57	OVP	Mx	0	1
58	MP4A	X	-28.831	2
59	MP4A	Z	49.937	2
60	MP4A	Mx	-.002	2
61	MP4B	X	-23.62	2
62	MP4B	Z	40.911	2
63	MP4B	Mx	.003	2
64	MP4C	X	-28.831	2
65	MP4C	Z	49.937	2
66	MP4C	Mx	-.002	2
67	MP3A	X	-27.833	2
68	MP3A	Z	48.209	2
69	MP3A	Mx	-.014	2
70	MP3B	X	-20.625	2
71	MP3B	Z	35.724	2
72	MP3B	Mx	.018	2
73	MP3C	X	-27.833	2
74	MP3C	Z	48.209	2
75	MP3C	Mx	-.014	2
76	MP1A	X	-27.879	1.13
77	MP1A	Z	48.287	1.13
78	MP1A	Mx	.036	1.13
79	MP1A	X	-27.879	3.13
80	MP1A	Z	48.287	3.13
81	MP1A	Mx	.036	3.13
82	MP1B	X	-27.879	1.13
83	MP1B	Z	48.287	1.13
84	MP1B	Mx	-.036	1.13
85	MP1B	X	-27.879	3.13
86	MP1B	Z	48.287	3.13
87	MP1B	Mx	-.036	3.13
88	MP1C	X	-44.13	1.13
89	MP1C	Z	76.435	1.13
90	MP1C	Mx	0	1.13
91	MP1C	X	-44.13	3.13
92	MP1C	Z	76.435	3.13
93	MP1C	Mx	0	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-116.05	.13
2	MP3A	Z	67.001	.13
3	MP3A	Mx	.132	.13
4	MP3A	X	-116.05	4.13
5	MP3A	Z	67.001	4.13
6	MP3A	Mx	.132	4.13
7	MP3B	X	-106.834	.13
8	MP3B	Z	61.68	.13
9	MP3B	Mx	-.093	.13
10	MP3B	X	-106.834	4.13
11	MP3B	Z	61.68	4.13
12	MP3B	Mx	-.093	4.13
13	MP3C	X	-143.698	.13
14	MP3C	Z	82.964	.13
15	MP3C	Mx	-.111	.13
16	MP3C	X	-143.698	4.13
17	MP3C	Z	82.964	4.13
18	MP3C	Mx	-.111	4.13
19	MP3A	X	-116.05	.13
20	MP3A	Z	67.001	.13
21	MP3A	Mx	.042	.13
22	MP3A	X	-116.05	4.13
23	MP3A	Z	67.001	4.13
24	MP3A	Mx	.042	4.13
25	MP3B	X	-106.834	.13
26	MP3B	Z	61.68	.13
27	MP3B	Mx	-.093	.13
28	MP3B	X	-106.834	4.13
29	MP3B	Z	61.68	4.13
30	MP3B	Mx	-.093	4.13
31	MP3C	X	-143.698	.13
32	MP3C	Z	82.964	.13
33	MP3C	Mx	.111	.13
34	MP3C	X	-143.698	4.13
35	MP3C	Z	82.964	4.13
36	MP3C	Mx	.111	4.13
37	MP2A	X	-37.199	1.13
38	MP2A	Z	21.477	1.13
39	MP2A	Mx	.028	1.13
40	MP2A	X	-37.199	3.13
41	MP2A	Z	21.477	3.13
42	MP2A	Mx	.028	3.13
43	MP2B	X	-26.789	1.13
44	MP2B	Z	15.467	1.13
45	MP2B	Mx	-.023	1.13
46	MP2B	X	-26.789	3.13
47	MP2B	Z	15.467	3.13
48	MP2B	Mx	-.023	3.13
49	MP2C	X	-68.427	1.13
50	MP2C	Z	39.507	1.13
51	MP2C	Mx	0	1.13
52	MP2C	X	-68.427	3.13
53	MP2C	Z	39.507	3.13
54	MP2C	Mx	0	3.13
55	OVP	X	-73.048	1
56	OVP	Z	42.174	1
57	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-40.911	2
59	MP4A	Z	23.62	2
60	MP4A	Mx	-.003	2
61	MP4B	X	-36.398	2
62	MP4B	Z	21.014	2
63	MP4B	Mx	.004	2
64	MP4C	X	-54.451	2
65	MP4C	Z	31.437	2
66	MP4C	Mx	0	2
67	MP3A	X	-35.724	2
68	MP3A	Z	20.625	2
69	MP3A	Mx	-.018	2
70	MP3B	X	-29.482	2
71	MP3B	Z	17.021	2
72	MP3B	Mx	.017	2
73	MP3C	X	-54.451	2
74	MP3C	Z	31.437	2
75	MP3C	Mx	0	2
76	MP1A	X	-38.905	1.13
77	MP1A	Z	22.462	1.13
78	MP1A	Mx	.034	1.13
79	MP1A	X	-38.905	3.13
80	MP1A	Z	22.462	3.13
81	MP1A	Mx	.034	3.13
82	MP1B	X	-67.052	1.13
83	MP1B	Z	38.713	1.13
84	MP1B	Mx	-.029	1.13
85	MP1B	X	-67.052	3.13
86	MP1B	Z	38.713	3.13
87	MP1B	Mx	-.029	3.13
88	MP1C	X	-67.052	1.13
89	MP1C	Z	38.713	1.13
90	MP1C	Mx	-.029	1.13
91	MP1C	X	-67.052	3.13
92	MP1C	Z	38.713	3.13
93	MP1C	Mx	-.029	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-123.361	.13
2	MP3A	Z	0	.13
3	MP3A	Mx	.093	.13
4	MP3A	X	-123.361	4.13
5	MP3A	Z	0	4.13
6	MP3A	Mx	.093	4.13
7	MP3B	X	-134.003	.13
8	MP3B	Z	0	.13
9	MP3B	Mx	-.042	.13
10	MP3B	X	-134.003	4.13
11	MP3B	Z	0	4.13
12	MP3B	Mx	-.042	4.13
13	MP3C	X	-155.286	.13
14	MP3C	Z	0	.13
15	MP3C	Mx	-.148	.13
16	MP3C	X	-155.286	4.13
17	MP3C	Z	0	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	-.148	4.13
19	MP3A	X	-123.361	.13
20	MP3A	Z	0	.13
21	MP3A	Mx	.093	.13
22	MP3A	X	-123.361	4.13
23	MP3A	Z	0	4.13
24	MP3A	Mx	.093	4.13
25	MP3B	X	-134.003	.13
26	MP3B	Z	0	.13
27	MP3B	Mx	-.132	.13
28	MP3B	X	-134.003	4.13
29	MP3B	Z	0	4.13
30	MP3B	Mx	-.132	4.13
31	MP3C	X	-155.286	.13
32	MP3C	Z	0	.13
33	MP3C	Mx	.031	.13
34	MP3C	X	-155.286	4.13
35	MP3C	Z	0	4.13
36	MP3C	Mx	.031	4.13
37	MP2A	X	-30.934	1.13
38	MP2A	Z	0	1.13
39	MP2A	Mx	.023	1.13
40	MP2A	X	-30.934	3.13
41	MP2A	Z	0	3.13
42	MP2A	Mx	.023	3.13
43	MP2B	X	-42.953	1.13
44	MP2B	Z	0	1.13
45	MP2B	Mx	-.028	1.13
46	MP2B	X	-42.953	3.13
47	MP2B	Z	0	3.13
48	MP2B	Mx	-.028	3.13
49	MP2C	X	-66.993	1.13
50	MP2C	Z	0	1.13
51	MP2C	Mx	-.025	1.13
52	MP2C	X	-66.993	3.13
53	MP2C	Z	0	3.13
54	MP2C	Mx	-.025	3.13
55	OVP	X	-95.119	1
56	OVP	Z	0	1
57	OVP	Mx	0	1
58	MP4A	X	-42.028	2
59	MP4A	Z	0	2
60	MP4A	Mx	-.004	2
61	MP4B	X	-47.24	2
62	MP4B	Z	0	2
63	MP4B	Mx	.003	2
64	MP4C	X	-57.663	2
65	MP4C	Z	0	2
66	MP4C	Mx	.002	2
67	MP3A	X	-34.043	2
68	MP3A	Z	0	2
69	MP3A	Mx	-.017	2
70	MP3B	X	-41.251	2
71	MP3B	Z	0	2
72	MP3B	Mx	.018	2
73	MP3C	X	-55.666	2
74	MP3C	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3C	Mx	.014	2
76	MP1A	X	-55.758	1.13
77	MP1A	Z	0	1.13
78	MP1A	Mx	.036	1.13
79	MP1A	X	-55.758	3.13
80	MP1A	Z	0	3.13
81	MP1A	Mx	.036	3.13
82	MP1B	X	-88.259	1.13
83	MP1B	Z	0	1.13
84	MP1B	Mx	0	1.13
85	MP1B	X	-88.259	3.13
86	MP1B	Z	0	3.13
87	MP1B	Mx	0	3.13
88	MP1C	X	-55.758	1.13
89	MP1C	Z	0	1.13
90	MP1C	Mx	-.036	1.13
91	MP1C	X	-55.758	3.13
92	MP1C	Z	0	3.13
93	MP1C	Mx	-.036	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-116.05	.13
2	MP3A	Z	-67.001	.13
3	MP3A	Mx	.042	.13
4	MP3A	X	-116.05	4.13
5	MP3A	Z	-67.001	4.13
6	MP3A	Mx	.042	4.13
7	MP3B	X	-134.482	.13
8	MP3B	Z	-77.643	.13
9	MP3B	Mx	.031	.13
10	MP3B	X	-134.482	4.13
11	MP3B	Z	-77.643	4.13
12	MP3B	Mx	.031	4.13
13	MP3C	X	-116.05	.13
14	MP3C	Z	-67.001	.13
15	MP3C	Mx	-.132	.13
16	MP3C	X	-116.05	4.13
17	MP3C	Z	-67.001	4.13
18	MP3C	Mx	-.132	4.13
19	MP3A	X	-116.05	.13
20	MP3A	Z	-67.001	.13
21	MP3A	Mx	.132	.13
22	MP3A	X	-116.05	4.13
23	MP3A	Z	-67.001	4.13
24	MP3A	Mx	.132	4.13
25	MP3B	X	-134.482	.13
26	MP3B	Z	-77.643	.13
27	MP3B	Mx	-.148	.13
28	MP3B	X	-134.482	4.13
29	MP3B	Z	-77.643	4.13
30	MP3B	Mx	-.148	4.13
31	MP3C	X	-116.05	.13
32	MP3C	Z	-67.001	.13
33	MP3C	Mx	-.042	.13
34	MP3C	X	-116.05	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	-67.001	4.13
36	MP3C	Mx	-.042	4.13
37	MP2A	X	-37.199	1.13
38	MP2A	Z	-21.477	1.13
39	MP2A	Mx	.028	1.13
40	MP2A	X	-37.199	3.13
41	MP2A	Z	-21.477	3.13
42	MP2A	Mx	.028	3.13
43	MP2B	X	-58.018	1.13
44	MP2B	Z	-33.497	1.13
45	MP2B	Mx	-.025	1.13
46	MP2B	X	-58.018	3.13
47	MP2B	Z	-33.497	3.13
48	MP2B	Mx	-.025	3.13
49	MP2C	X	-37.199	1.13
50	MP2C	Z	-21.477	1.13
51	MP2C	Mx	-.028	1.13
52	MP2C	X	-37.199	3.13
53	MP2C	Z	-21.477	3.13
54	MP2C	Mx	-.028	3.13
55	OVP	X	-101.03	1
56	OVP	Z	-58.33	1
57	OVP	Mx	0	1
58	MP4A	X	-40.911	2
59	MP4A	Z	-23.62	2
60	MP4A	Mx	-.003	2
61	MP4B	X	-49.937	2
62	MP4B	Z	-28.831	2
63	MP4B	Mx	.002	2
64	MP4C	X	-40.911	2
65	MP4C	Z	-23.62	2
66	MP4C	Mx	.003	2
67	MP3A	X	-35.724	2
68	MP3A	Z	-20.625	2
69	MP3A	Mx	-.018	2
70	MP3B	X	-48.209	2
71	MP3B	Z	-27.833	2
72	MP3B	Mx	.014	2
73	MP3C	X	-35.724	2
74	MP3C	Z	-20.625	2
75	MP3C	Mx	.018	2
76	MP1A	X	-67.052	1.13
77	MP1A	Z	-38.713	1.13
78	MP1A	Mx	.029	1.13
79	MP1A	X	-67.052	3.13
80	MP1A	Z	-38.713	3.13
81	MP1A	Mx	.029	3.13
82	MP1B	X	-67.052	1.13
83	MP1B	Z	-38.713	1.13
84	MP1B	Mx	.029	1.13
85	MP1B	X	-67.052	3.13
86	MP1B	Z	-38.713	3.13
87	MP1B	Mx	.029	3.13
88	MP1C	X	-38.905	1.13
89	MP1C	Z	-22.462	1.13
90	MP1C	Mx	-.034	1.13
91	MP1C	X	-38.905	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	-22.462	3.13
93	MP1C	Mx	-.034	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-77.643	.13
2	MP3A	Z	-134.482	.13
3	MP3A	Mx	-.031	.13
4	MP3A	X	-77.643	4.13
5	MP3A	Z	-134.482	4.13
6	MP3A	Mx	-.031	4.13
7	MP3B	X	-82.964	.13
8	MP3B	Z	-143.698	.13
9	MP3B	Mx	.111	.13
10	MP3B	X	-82.964	4.13
11	MP3B	Z	-143.698	4.13
12	MP3B	Mx	.111	4.13
13	MP3C	X	-61.68	.13
14	MP3C	Z	-106.834	.13
15	MP3C	Mx	-.093	.13
16	MP3C	X	-61.68	4.13
17	MP3C	Z	-106.834	4.13
18	MP3C	Mx	-.093	4.13
19	MP3A	X	-77.643	.13
20	MP3A	Z	-134.482	.13
21	MP3A	Mx	.148	.13
22	MP3A	X	-77.643	4.13
23	MP3A	Z	-134.482	4.13
24	MP3A	Mx	.148	4.13
25	MP3B	X	-82.964	.13
26	MP3B	Z	-143.698	.13
27	MP3B	Mx	-.111	.13
28	MP3B	X	-82.964	4.13
29	MP3B	Z	-143.698	4.13
30	MP3B	Mx	-.111	4.13
31	MP3C	X	-61.68	.13
32	MP3C	Z	-106.834	.13
33	MP3C	Mx	-.093	.13
34	MP3C	X	-61.68	4.13
35	MP3C	Z	-106.834	4.13
36	MP3C	Mx	-.093	4.13
37	MP2A	X	-33.497	1.13
38	MP2A	Z	-58.018	1.13
39	MP2A	Mx	.025	1.13
40	MP2A	X	-33.497	3.13
41	MP2A	Z	-58.018	3.13
42	MP2A	Mx	.025	3.13
43	MP2B	X	-39.507	1.13
44	MP2B	Z	-68.427	1.13
45	MP2B	Mx	0	1.13
46	MP2B	X	-39.507	3.13
47	MP2B	Z	-68.427	3.13
48	MP2B	Mx	0	3.13
49	MP2C	X	-15.467	1.13
50	MP2C	Z	-26.789	1.13
51	MP2C	Mx	-.023	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	X	-15.467	3.13
53	MP2C	Z	-26.789	3.13
54	MP2C	Mx	-.023	3.13
55	OVP	X	-63.715	1
56	OVP	Z	-110.357	1
57	OVP	Mx	0	1
58	MP4A	X	-28.831	2
59	MP4A	Z	-49.937	2
60	MP4A	Mx	-.002	2
61	MP4B	X	-31.437	2
62	MP4B	Z	-54.451	2
63	MP4B	Mx	0	2
64	MP4C	X	-21.014	2
65	MP4C	Z	-36.398	2
66	MP4C	Mx	.004	2
67	MP3A	X	-27.833	2
68	MP3A	Z	-48.209	2
69	MP3A	Mx	-.014	2
70	MP3B	X	-31.437	2
71	MP3B	Z	-54.451	2
72	MP3B	Mx	0	2
73	MP3C	X	-17.021	2
74	MP3C	Z	-29.482	2
75	MP3C	Mx	.017	2
76	MP1A	X	-44.13	1.13
77	MP1A	Z	-76.435	1.13
78	MP1A	Mx	0	1.13
79	MP1A	X	-44.13	3.13
80	MP1A	Z	-76.435	3.13
81	MP1A	Mx	0	3.13
82	MP1B	X	-27.879	1.13
83	MP1B	Z	-48.287	1.13
84	MP1B	Mx	.036	1.13
85	MP1B	X	-27.879	3.13
86	MP1B	Z	-48.287	3.13
87	MP1B	Mx	.036	3.13
88	MP1C	X	-27.879	1.13
89	MP1C	Z	-48.287	1.13
90	MP1C	Mx	-.036	1.13
91	MP1C	X	-27.879	3.13
92	MP1C	Z	-48.287	3.13
93	MP1C	Mx	-.036	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.13
2	MP3A	Z	-31.402	.13
3	MP3A	Mx	-.021	.13
4	MP3A	X	0	4.13
5	MP3A	Z	-31.402	4.13
6	MP3A	Mx	-.021	4.13
7	MP3B	X	0	.13
8	MP3B	Z	-29.49	.13
9	MP3B	Mx	.028	.13
10	MP3B	X	0	4.13
11	MP3B	Z	-29.49	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	.028	4.13
13	MP3C	X	0	.13
14	MP3C	Z	-25.666	.13
15	MP3C	Mx	-.008	.13
16	MP3C	X	0	4.13
17	MP3C	Z	-25.666	4.13
18	MP3C	Mx	-.008	4.13
19	MP3A	X	0	.13
20	MP3A	Z	-31.402	.13
21	MP3A	Mx	.021	.13
22	MP3A	X	0	4.13
23	MP3A	Z	-31.402	4.13
24	MP3A	Mx	.021	4.13
25	MP3B	X	0	.13
26	MP3B	Z	-29.49	.13
27	MP3B	Mx	-.006	.13
28	MP3B	X	0	4.13
29	MP3B	Z	-29.49	4.13
30	MP3B	Mx	-.006	4.13
31	MP3C	X	0	.13
32	MP3C	Z	-25.666	.13
33	MP3C	Mx	-.025	.13
34	MP3C	X	0	4.13
35	MP3C	Z	-25.666	4.13
36	MP3C	Mx	-.025	4.13
37	MP2A	X	0	1.13
38	MP2A	Z	-15.49	1.13
39	MP2A	Mx	0	1.13
40	MP2A	X	0	3.13
41	MP2A	Z	-15.49	3.13
42	MP2A	Mx	0	3.13
43	MP2B	X	0	1.13
44	MP2B	Z	-13.266	1.13
45	MP2B	Mx	.005	1.13
46	MP2B	X	0	3.13
47	MP2B	Z	-13.266	3.13
48	MP2B	Mx	.005	3.13
49	MP2C	X	0	1.13
50	MP2C	Z	-8.819	1.13
51	MP2C	Mx	-.006	1.13
52	MP2C	X	0	3.13
53	MP2C	Z	-8.819	3.13
54	MP2C	Mx	-.006	3.13
55	OVP	X	0	1
56	OVP	Z	-23.145	1
57	OVP	Mx	0	1
58	MP4A	X	0	2
59	MP4A	Z	-13.052	2
60	MP4A	Mx	0	2
61	MP4B	X	0	2
62	MP4B	Z	-12.058	2
63	MP4B	Mx	-.000502	2
64	MP4C	X	0	2
65	MP4C	Z	-10.071	2
66	MP4C	Mx	.000727	2
67	MP3A	X	0	2
68	MP3A	Z	-13.052	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	0	2
70	MP3B	X	0	2
71	MP3B	Z	-11.681	2
72	MP3B	Mx	-.003	2
73	MP3C	X	0	2
74	MP3C	Z	-8.938	2
75	MP3C	Mx	.004	2
76	MP1A	X	0	1.13
77	MP1A	Z	-15.242	1.13
78	MP1A	Mx	-.006	1.13
79	MP1A	X	0	3.13
80	MP1A	Z	-15.242	3.13
81	MP1A	Mx	-.006	3.13
82	MP1B	X	0	1.13
83	MP1B	Z	-9.409	1.13
84	MP1B	Mx	.007	1.13
85	MP1B	X	0	3.13
86	MP1B	Z	-9.409	3.13
87	MP1B	Mx	.007	3.13
88	MP1C	X	0	1.13
89	MP1C	Z	-15.242	1.13
90	MP1C	Mx	-.006	1.13
91	MP1C	X	0	3.13
92	MP1C	Z	-15.242	3.13
93	MP1C	Mx	-.006	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.745	.13
2	MP3A	Z	-25.539	.13
3	MP3A	Mx	-.028	.13
4	MP3A	X	14.745	4.13
5	MP3A	Z	-25.539	4.13
6	MP3A	Mx	-.028	4.13
7	MP3B	X	12.833	.13
8	MP3B	Z	-22.228	.13
9	MP3B	Mx	.025	.13
10	MP3B	X	12.833	4.13
11	MP3B	Z	-22.228	4.13
12	MP3B	Mx	.025	4.13
13	MP3C	X	14.745	.13
14	MP3C	Z	-25.539	.13
15	MP3C	Mx	.006	.13
16	MP3C	X	14.745	4.13
17	MP3C	Z	-25.539	4.13
18	MP3C	Mx	.006	4.13
19	MP3A	X	14.745	.13
20	MP3A	Z	-25.539	.13
21	MP3A	Mx	.006	.13
22	MP3A	X	14.745	4.13
23	MP3A	Z	-25.539	4.13
24	MP3A	Mx	.006	4.13
25	MP3B	X	12.833	.13
26	MP3B	Z	-22.228	.13
27	MP3B	Mx	.008	.13
28	MP3B	X	12.833	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	-22.228	4.13
30	MP3B	Mx	.008	4.13
31	MP3C	X	14.745	.13
32	MP3C	Z	-25.539	.13
33	MP3C	Mx	-.028	.13
34	MP3C	X	14.745	4.13
35	MP3C	Z	-25.539	4.13
36	MP3C	Mx	-.028	4.13
37	MP2A	X	6.633	1.13
38	MP2A	Z	-11.489	1.13
39	MP2A	Mx	-.005	1.13
40	MP2A	X	6.633	3.13
41	MP2A	Z	-11.489	3.13
42	MP2A	Mx	-.005	3.13
43	MP2B	X	4.41	1.13
44	MP2B	Z	-7.638	1.13
45	MP2B	Mx	.006	1.13
46	MP2B	X	4.41	3.13
47	MP2B	Z	-7.638	3.13
48	MP2B	Mx	.006	3.13
49	MP2C	X	6.633	1.13
50	MP2C	Z	-11.489	1.13
51	MP2C	Mx	-.005	1.13
52	MP2C	X	6.633	3.13
53	MP2C	Z	-11.489	3.13
54	MP2C	Mx	-.005	3.13
55	OVP	X	9.587	1
56	OVP	Z	-16.604	1
57	OVP	Mx	0	1
58	MP4A	X	6.029	2
59	MP4A	Z	-10.443	2
60	MP4A	Mx	.000502	2
61	MP4B	X	5.036	2
62	MP4B	Z	-8.722	2
63	MP4B	Mx	-.000727	2
64	MP4C	X	6.029	2
65	MP4C	Z	-10.443	2
66	MP4C	Mx	.000502	2
67	MP3A	X	5.84	2
68	MP3A	Z	-10.116	2
69	MP3A	Mx	.003	2
70	MP3B	X	4.469	2
71	MP3B	Z	-7.741	2
72	MP3B	Mx	-.004	2
73	MP3C	X	5.84	2
74	MP3C	Z	-10.116	2
75	MP3C	Mx	.003	2
76	MP1A	X	5.676	1.13
77	MP1A	Z	-9.832	1.13
78	MP1A	Mx	-.007	1.13
79	MP1A	X	5.676	3.13
80	MP1A	Z	-9.832	3.13
81	MP1A	Mx	-.007	3.13
82	MP1B	X	5.676	1.13
83	MP1B	Z	-9.832	1.13
84	MP1B	Mx	.007	1.13
85	MP1B	X	5.676	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1B	Z	-9.832	3.13
87	MP1B	Mx	.007	3.13
88	MP1C	X	8.593	1.13
89	MP1C	Z	-14.883	1.13
90	MP1C	Mx	0	1.13
91	MP1C	X	8.593	3.13
92	MP1C	Z	-14.883	3.13
93	MP1C	Mx	0	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	22.228	.13
2	MP3A	Z	-12.833	.13
3	MP3A	Mx	-.025	.13
4	MP3A	X	22.228	4.13
5	MP3A	Z	-12.833	4.13
6	MP3A	Mx	-.025	4.13
7	MP3B	X	20.572	.13
8	MP3B	Z	-11.877	.13
9	MP3B	Mx	.018	.13
10	MP3B	X	20.572	4.13
11	MP3B	Z	-11.877	4.13
12	MP3B	Mx	.018	4.13
13	MP3C	X	27.195	.13
14	MP3C	Z	-15.701	.13
15	MP3C	Mx	.021	.13
16	MP3C	X	27.195	4.13
17	MP3C	Z	-15.701	4.13
18	MP3C	Mx	.021	4.13
19	MP3A	X	22.228	.13
20	MP3A	Z	-12.833	.13
21	MP3A	Mx	-.008	.13
22	MP3A	X	22.228	4.13
23	MP3A	Z	-12.833	4.13
24	MP3A	Mx	-.008	4.13
25	MP3B	X	20.572	.13
26	MP3B	Z	-11.877	.13
27	MP3B	Mx	.018	.13
28	MP3B	X	20.572	4.13
29	MP3B	Z	-11.877	4.13
30	MP3B	Mx	.018	4.13
31	MP3C	X	27.195	.13
32	MP3C	Z	-15.701	.13
33	MP3C	Mx	-.021	.13
34	MP3C	X	27.195	4.13
35	MP3C	Z	-15.701	4.13
36	MP3C	Mx	-.021	4.13
37	MP2A	X	7.638	1.13
38	MP2A	Z	-4.41	1.13
39	MP2A	Mx	-.006	1.13
40	MP2A	X	7.638	3.13
41	MP2A	Z	-4.41	3.13
42	MP2A	Mx	-.006	3.13
43	MP2B	X	5.712	1.13
44	MP2B	Z	-3.298	1.13
45	MP2B	Mx	.005	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	5.712	3.13
47	MP2B	Z	-3.298	3.13
48	MP2B	Mx	.005	3.13
49	MP2C	X	13.414	1.13
50	MP2C	Z	-7.745	1.13
51	MP2C	Mx	0	1.13
52	MP2C	X	13.414	3.13
53	MP2C	Z	-7.745	3.13
54	MP2C	Mx	0	3.13
55	OVP	X	14.885	1
56	OVP	Z	-8.594	1
57	OVP	Mx	0	1
58	MP4A	X	8.722	2
59	MP4A	Z	-5.036	2
60	MP4A	Mx	.000727	2
61	MP4B	X	7.861	2
62	MP4B	Z	-4.539	2
63	MP4B	Mx	-.000756	2
64	MP4C	X	11.303	2
65	MP4C	Z	-6.526	2
66	MP4C	Mx	0	2
67	MP3A	X	7.741	2
68	MP3A	Z	-4.469	2
69	MP3A	Mx	.004	2
70	MP3B	X	6.553	2
71	MP3B	Z	-3.784	2
72	MP3B	Mx	-.004	2
73	MP3C	X	11.303	2
74	MP3C	Z	-6.526	2
75	MP3C	Mx	0	2
76	MP1A	X	8.148	1.13
77	MP1A	Z	-4.704	1.13
78	MP1A	Mx	-.007	1.13
79	MP1A	X	8.148	3.13
80	MP1A	Z	-4.704	3.13
81	MP1A	Mx	-.007	3.13
82	MP1B	X	13.2	1.13
83	MP1B	Z	-7.621	1.13
84	MP1B	Mx	.006	1.13
85	MP1B	X	13.2	3.13
86	MP1B	Z	-7.621	3.13
87	MP1B	Mx	.006	3.13
88	MP1C	X	13.2	1.13
89	MP1C	Z	-7.621	1.13
90	MP1C	Mx	.006	1.13
91	MP1C	X	13.2	3.13
92	MP1C	Z	-7.621	3.13
93	MP1C	Mx	.006	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	23.754	.13
2	MP3A	Z	0	.13
3	MP3A	Mx	-.018	.13
4	MP3A	X	23.754	4.13
5	MP3A	Z	0	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3A	Mx	-.018	4.13
7	MP3B	X	25.666	.13
8	MP3B	Z	0	.13
9	MP3B	Mx	.008	.13
10	MP3B	X	25.666	4.13
11	MP3B	Z	0	4.13
12	MP3B	Mx	.008	4.13
13	MP3C	X	29.49	.13
14	MP3C	Z	0	.13
15	MP3C	Mx	.028	.13
16	MP3C	X	29.49	4.13
17	MP3C	Z	0	4.13
18	MP3C	Mx	.028	4.13
19	MP3A	X	23.754	.13
20	MP3A	Z	0	.13
21	MP3A	Mx	-.018	.13
22	MP3A	X	23.754	4.13
23	MP3A	Z	0	4.13
24	MP3A	Mx	-.018	4.13
25	MP3B	X	25.666	.13
26	MP3B	Z	0	.13
27	MP3B	Mx	.025	.13
28	MP3B	X	25.666	4.13
29	MP3B	Z	0	4.13
30	MP3B	Mx	.025	4.13
31	MP3C	X	29.49	.13
32	MP3C	Z	0	.13
33	MP3C	Mx	-.006	.13
34	MP3C	X	29.49	4.13
35	MP3C	Z	0	4.13
36	MP3C	Mx	-.006	4.13
37	MP2A	X	6.596	1.13
38	MP2A	Z	0	1.13
39	MP2A	Mx	-.005	1.13
40	MP2A	X	6.596	3.13
41	MP2A	Z	0	3.13
42	MP2A	Mx	-.005	3.13
43	MP2B	X	8.819	1.13
44	MP2B	Z	0	1.13
45	MP2B	Mx	.006	1.13
46	MP2B	X	8.819	3.13
47	MP2B	Z	0	3.13
48	MP2B	Mx	.006	3.13
49	MP2C	X	13.266	1.13
50	MP2C	Z	0	1.13
51	MP2C	Mx	.005	1.13
52	MP2C	X	13.266	3.13
53	MP2C	Z	0	3.13
54	MP2C	Mx	.005	3.13
55	OVP	X	19.173	1
56	OVP	Z	0	1
57	OVP	Mx	0	1
58	MP4A	X	9.078	2
59	MP4A	Z	0	2
60	MP4A	Mx	.000756	2
61	MP4B	X	10.071	2
62	MP4B	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4B	Mx	-.000727	2
64	MP4C	X	12.058	2
65	MP4C	Z	0	2
66	MP4C	Mx	-.000502	2
67	MP3A	X	7.567	2
68	MP3A	Z	0	2
69	MP3A	Mx	.004	2
70	MP3B	X	8.938	2
71	MP3B	Z	0	2
72	MP3B	Mx	-.004	2
73	MP3C	X	11.681	2
74	MP3C	Z	0	2
75	MP3C	Mx	-.003	2
76	MP1A	X	11.353	1.13
77	MP1A	Z	0	1.13
78	MP1A	Mx	-.007	1.13
79	MP1A	X	11.353	3.13
80	MP1A	Z	0	3.13
81	MP1A	Mx	-.007	3.13
82	MP1B	X	17.186	1.13
83	MP1B	Z	0	1.13
84	MP1B	Mx	0	1.13
85	MP1B	X	17.186	3.13
86	MP1B	Z	0	3.13
87	MP1B	Mx	0	3.13
88	MP1C	X	11.353	1.13
89	MP1C	Z	0	1.13
90	MP1C	Mx	.007	1.13
91	MP1C	X	11.353	3.13
92	MP1C	Z	0	3.13
93	MP1C	Mx	.007	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	22.228	.13
2	MP3A	Z	12.833	.13
3	MP3A	Mx	-.008	.13
4	MP3A	X	22.228	4.13
5	MP3A	Z	12.833	4.13
6	MP3A	Mx	-.008	4.13
7	MP3B	X	25.539	.13
8	MP3B	Z	14.745	.13
9	MP3B	Mx	-.006	.13
10	MP3B	X	25.539	4.13
11	MP3B	Z	14.745	4.13
12	MP3B	Mx	-.006	4.13
13	MP3C	X	22.228	.13
14	MP3C	Z	12.833	.13
15	MP3C	Mx	.025	.13
16	MP3C	X	22.228	4.13
17	MP3C	Z	12.833	4.13
18	MP3C	Mx	.025	4.13
19	MP3A	X	22.228	.13
20	MP3A	Z	12.833	.13
21	MP3A	Mx	-.025	.13
22	MP3A	X	22.228	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	12.833	4.13
24	MP3A	Mx	-.025	4.13
25	MP3B	X	25.539	.13
26	MP3B	Z	14.745	.13
27	MP3B	Mx	.028	.13
28	MP3B	X	25.539	4.13
29	MP3B	Z	14.745	4.13
30	MP3B	Mx	.028	4.13
31	MP3C	X	22.228	.13
32	MP3C	Z	12.833	.13
33	MP3C	Mx	.008	.13
34	MP3C	X	22.228	4.13
35	MP3C	Z	12.833	4.13
36	MP3C	Mx	.008	4.13
37	MP2A	X	7.638	1.13
38	MP2A	Z	4.41	1.13
39	MP2A	Mx	-.006	1.13
40	MP2A	X	7.638	3.13
41	MP2A	Z	4.41	3.13
42	MP2A	Mx	-.006	3.13
43	MP2B	X	11.489	1.13
44	MP2B	Z	6.633	1.13
45	MP2B	Mx	.005	1.13
46	MP2B	X	11.489	3.13
47	MP2B	Z	6.633	3.13
48	MP2B	Mx	.005	3.13
49	MP2C	X	7.638	1.13
50	MP2C	Z	4.41	1.13
51	MP2C	Mx	.006	1.13
52	MP2C	X	7.638	3.13
53	MP2C	Z	4.41	3.13
54	MP2C	Mx	.006	3.13
55	OVP	X	20.044	1
56	OVP	Z	11.572	1
57	OVP	Mx	0	1
58	MP4A	X	8.722	2
59	MP4A	Z	5.036	2
60	MP4A	Mx	.000727	2
61	MP4B	X	10.443	2
62	MP4B	Z	6.029	2
63	MP4B	Mx	-.000502	2
64	MP4C	X	8.722	2
65	MP4C	Z	5.036	2
66	MP4C	Mx	-.000727	2
67	MP3A	X	7.741	2
68	MP3A	Z	4.469	2
69	MP3A	Mx	.004	2
70	MP3B	X	10.116	2
71	MP3B	Z	5.84	2
72	MP3B	Mx	-.003	2
73	MP3C	X	7.741	2
74	MP3C	Z	4.469	2
75	MP3C	Mx	-.004	2
76	MP1A	X	13.2	1.13
77	MP1A	Z	7.621	1.13
78	MP1A	Mx	-.006	1.13
79	MP1A	X	13.2	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	7.621	3.13
81	MP1A	Mx	-.006	3.13
82	MP1B	X	13.2	1.13
83	MP1B	Z	7.621	1.13
84	MP1B	Mx	-.006	1.13
85	MP1B	X	13.2	3.13
86	MP1B	Z	7.621	3.13
87	MP1B	Mx	-.006	3.13
88	MP1C	X	8.148	1.13
89	MP1C	Z	4.704	1.13
90	MP1C	Mx	.007	1.13
91	MP1C	X	8.148	3.13
92	MP1C	Z	4.704	3.13
93	MP1C	Mx	.007	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.745	.13
2	MP3A	Z	25.539	.13
3	MP3A	Mx	.006	.13
4	MP3A	X	14.745	4.13
5	MP3A	Z	25.539	4.13
6	MP3A	Mx	.006	4.13
7	MP3B	X	15.701	.13
8	MP3B	Z	27.195	.13
9	MP3B	Mx	-.021	.13
10	MP3B	X	15.701	4.13
11	MP3B	Z	27.195	4.13
12	MP3B	Mx	-.021	4.13
13	MP3C	X	11.877	.13
14	MP3C	Z	20.572	.13
15	MP3C	Mx	.018	.13
16	MP3C	X	11.877	4.13
17	MP3C	Z	20.572	4.13
18	MP3C	Mx	.018	4.13
19	MP3A	X	14.745	.13
20	MP3A	Z	25.539	.13
21	MP3A	Mx	-.028	.13
22	MP3A	X	14.745	4.13
23	MP3A	Z	25.539	4.13
24	MP3A	Mx	-.028	4.13
25	MP3B	X	15.701	.13
26	MP3B	Z	27.195	.13
27	MP3B	Mx	.021	.13
28	MP3B	X	15.701	4.13
29	MP3B	Z	27.195	4.13
30	MP3B	Mx	.021	4.13
31	MP3C	X	11.877	.13
32	MP3C	Z	20.572	.13
33	MP3C	Mx	.018	.13
34	MP3C	X	11.877	4.13
35	MP3C	Z	20.572	4.13
36	MP3C	Mx	.018	4.13
37	MP2A	X	6.633	1.13
38	MP2A	Z	11.489	1.13
39	MP2A	Mx	-.005	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	6.633	3.13
41	MP2A	Z	11.489	3.13
42	MP2A	Mx	-.005	3.13
43	MP2B	X	7.745	1.13
44	MP2B	Z	13.414	1.13
45	MP2B	Mx	0	1.13
46	MP2B	X	7.745	3.13
47	MP2B	Z	13.414	3.13
48	MP2B	Mx	0	3.13
49	MP2C	X	3.298	1.13
50	MP2C	Z	5.712	1.13
51	MP2C	Mx	.005	1.13
52	MP2C	X	3.298	3.13
53	MP2C	Z	5.712	3.13
54	MP2C	Mx	.005	3.13
55	OVP	X	12.565	1
56	OVP	Z	21.764	1
57	OVP	Mx	0	1
58	MP4A	X	6.029	2
59	MP4A	Z	10.443	2
60	MP4A	Mx	.000502	2
61	MP4B	X	6.526	2
62	MP4B	Z	11.303	2
63	MP4B	Mx	0	2
64	MP4C	X	4.539	2
65	MP4C	Z	7.861	2
66	MP4C	Mx	-.000756	2
67	MP3A	X	5.84	2
68	MP3A	Z	10.116	2
69	MP3A	Mx	.003	2
70	MP3B	X	6.526	2
71	MP3B	Z	11.303	2
72	MP3B	Mx	0	2
73	MP3C	X	3.784	2
74	MP3C	Z	6.553	2
75	MP3C	Mx	-.004	2
76	MP1A	X	8.593	1.13
77	MP1A	Z	14.883	1.13
78	MP1A	Mx	0	1.13
79	MP1A	X	8.593	3.13
80	MP1A	Z	14.883	3.13
81	MP1A	Mx	0	3.13
82	MP1B	X	5.676	1.13
83	MP1B	Z	9.832	1.13
84	MP1B	Mx	-.007	1.13
85	MP1B	X	5.676	3.13
86	MP1B	Z	9.832	3.13
87	MP1B	Mx	-.007	3.13
88	MP1C	X	5.676	1.13
89	MP1C	Z	9.832	1.13
90	MP1C	Mx	.007	1.13
91	MP1C	X	5.676	3.13
92	MP1C	Z	9.832	3.13
93	MP1C	Mx	.007	3.13

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.13
2	MP3A	Z	31.402	.13
3	MP3A	Mx	.021	.13
4	MP3A	X	0	4.13
5	MP3A	Z	31.402	4.13
6	MP3A	Mx	.021	4.13
7	MP3B	X	0	.13
8	MP3B	Z	29.49	.13
9	MP3B	Mx	-.028	.13
10	MP3B	X	0	4.13
11	MP3B	Z	29.49	4.13
12	MP3B	Mx	-.028	4.13
13	MP3C	X	0	.13
14	MP3C	Z	25.666	.13
15	MP3C	Mx	.008	.13
16	MP3C	X	0	4.13
17	MP3C	Z	25.666	4.13
18	MP3C	Mx	.008	4.13
19	MP3A	X	0	.13
20	MP3A	Z	31.402	.13
21	MP3A	Mx	-.021	.13
22	MP3A	X	0	4.13
23	MP3A	Z	31.402	4.13
24	MP3A	Mx	-.021	4.13
25	MP3B	X	0	.13
26	MP3B	Z	29.49	.13
27	MP3B	Mx	.006	.13
28	MP3B	X	0	4.13
29	MP3B	Z	29.49	4.13
30	MP3B	Mx	.006	4.13
31	MP3C	X	0	.13
32	MP3C	Z	25.666	.13
33	MP3C	Mx	.025	.13
34	MP3C	X	0	4.13
35	MP3C	Z	25.666	4.13
36	MP3C	Mx	.025	4.13
37	MP2A	X	0	1.13
38	MP2A	Z	15.49	1.13
39	MP2A	Mx	0	1.13
40	MP2A	X	0	3.13
41	MP2A	Z	15.49	3.13
42	MP2A	Mx	0	3.13
43	MP2B	X	0	1.13
44	MP2B	Z	13.266	1.13
45	MP2B	Mx	-.005	1.13
46	MP2B	X	0	3.13
47	MP2B	Z	13.266	3.13
48	MP2B	Mx	-.005	3.13
49	MP2C	X	0	1.13
50	MP2C	Z	8.819	1.13
51	MP2C	Mx	.006	1.13
52	MP2C	X	0	3.13
53	MP2C	Z	8.819	3.13
54	MP2C	Mx	.006	3.13
55	OVP	X	0	1
56	OVP	Z	23.145	1
57	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	0	2
59	MP4A	Z	13.052	2
60	MP4A	Mx	0	2
61	MP4B	X	0	2
62	MP4B	Z	12.058	2
63	MP4B	Mx	.000502	2
64	MP4C	X	0	2
65	MP4C	Z	10.071	2
66	MP4C	Mx	-.000727	2
67	MP3A	X	0	2
68	MP3A	Z	13.052	2
69	MP3A	Mx	0	2
70	MP3B	X	0	2
71	MP3B	Z	11.681	2
72	MP3B	Mx	.003	2
73	MP3C	X	0	2
74	MP3C	Z	8.938	2
75	MP3C	Mx	-.004	2
76	MP1A	X	0	1.13
77	MP1A	Z	15.242	1.13
78	MP1A	Mx	.006	1.13
79	MP1A	X	0	3.13
80	MP1A	Z	15.242	3.13
81	MP1A	Mx	.006	3.13
82	MP1B	X	0	1.13
83	MP1B	Z	9.409	1.13
84	MP1B	Mx	-.007	1.13
85	MP1B	X	0	3.13
86	MP1B	Z	9.409	3.13
87	MP1B	Mx	-.007	3.13
88	MP1C	X	0	1.13
89	MP1C	Z	15.242	1.13
90	MP1C	Mx	.006	1.13
91	MP1C	X	0	3.13
92	MP1C	Z	15.242	3.13
93	MP1C	Mx	.006	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-14.745	.13
2	MP3A	Z	25.539	.13
3	MP3A	Mx	.028	.13
4	MP3A	X	-14.745	4.13
5	MP3A	Z	25.539	4.13
6	MP3A	Mx	.028	4.13
7	MP3B	X	-12.833	.13
8	MP3B	Z	22.228	.13
9	MP3B	Mx	-.025	.13
10	MP3B	X	-12.833	4.13
11	MP3B	Z	22.228	4.13
12	MP3B	Mx	-.025	4.13
13	MP3C	X	-14.745	.13
14	MP3C	Z	25.539	.13
15	MP3C	Mx	-.006	.13
16	MP3C	X	-14.745	4.13
17	MP3C	Z	25.539	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	-.006	4.13
19	MP3A	X	-14.745	.13
20	MP3A	Z	25.539	.13
21	MP3A	Mx	-.006	.13
22	MP3A	X	-14.745	4.13
23	MP3A	Z	25.539	4.13
24	MP3A	Mx	-.006	4.13
25	MP3B	X	-12.833	.13
26	MP3B	Z	22.228	.13
27	MP3B	Mx	-.008	.13
28	MP3B	X	-12.833	4.13
29	MP3B	Z	22.228	4.13
30	MP3B	Mx	-.008	4.13
31	MP3C	X	-14.745	.13
32	MP3C	Z	25.539	.13
33	MP3C	Mx	.028	.13
34	MP3C	X	-14.745	4.13
35	MP3C	Z	25.539	4.13
36	MP3C	Mx	.028	4.13
37	MP2A	X	-6.633	1.13
38	MP2A	Z	11.489	1.13
39	MP2A	Mx	.005	1.13
40	MP2A	X	-6.633	3.13
41	MP2A	Z	11.489	3.13
42	MP2A	Mx	.005	3.13
43	MP2B	X	-4.41	1.13
44	MP2B	Z	7.638	1.13
45	MP2B	Mx	-.006	1.13
46	MP2B	X	-4.41	3.13
47	MP2B	Z	7.638	3.13
48	MP2B	Mx	-.006	3.13
49	MP2C	X	-6.633	1.13
50	MP2C	Z	11.489	1.13
51	MP2C	Mx	.005	1.13
52	MP2C	X	-6.633	3.13
53	MP2C	Z	11.489	3.13
54	MP2C	Mx	.005	3.13
55	OVP	X	-9.587	1
56	OVP	Z	16.604	1
57	OVP	Mx	0	1
58	MP4A	X	-6.029	2
59	MP4A	Z	10.443	2
60	MP4A	Mx	-.000502	2
61	MP4B	X	-5.036	2
62	MP4B	Z	8.722	2
63	MP4B	Mx	.000727	2
64	MP4C	X	-6.029	2
65	MP4C	Z	10.443	2
66	MP4C	Mx	-.000502	2
67	MP3A	X	-5.84	2
68	MP3A	Z	10.116	2
69	MP3A	Mx	-.003	2
70	MP3B	X	-4.469	2
71	MP3B	Z	7.741	2
72	MP3B	Mx	.004	2
73	MP3C	X	-5.84	2
74	MP3C	Z	10.116	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3C	Mx	-.003	2
76	MP1A	X	-5.676	1.13
77	MP1A	Z	9.832	1.13
78	MP1A	Mx	.007	1.13
79	MP1A	X	-5.676	3.13
80	MP1A	Z	9.832	3.13
81	MP1A	Mx	.007	3.13
82	MP1B	X	-5.676	1.13
83	MP1B	Z	9.832	1.13
84	MP1B	Mx	-.007	1.13
85	MP1B	X	-5.676	3.13
86	MP1B	Z	9.832	3.13
87	MP1B	Mx	-.007	3.13
88	MP1C	X	-8.593	1.13
89	MP1C	Z	14.883	1.13
90	MP1C	Mx	0	1.13
91	MP1C	X	-8.593	3.13
92	MP1C	Z	14.883	3.13
93	MP1C	Mx	0	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-22.228	.13
2	MP3A	Z	12.833	.13
3	MP3A	Mx	.025	.13
4	MP3A	X	-22.228	4.13
5	MP3A	Z	12.833	4.13
6	MP3A	Mx	.025	4.13
7	MP3B	X	-20.572	.13
8	MP3B	Z	11.877	.13
9	MP3B	Mx	-.018	.13
10	MP3B	X	-20.572	4.13
11	MP3B	Z	11.877	4.13
12	MP3B	Mx	-.018	4.13
13	MP3C	X	-27.195	.13
14	MP3C	Z	15.701	.13
15	MP3C	Mx	-.021	.13
16	MP3C	X	-27.195	4.13
17	MP3C	Z	15.701	4.13
18	MP3C	Mx	-.021	4.13
19	MP3A	X	-22.228	.13
20	MP3A	Z	12.833	.13
21	MP3A	Mx	.008	.13
22	MP3A	X	-22.228	4.13
23	MP3A	Z	12.833	4.13
24	MP3A	Mx	.008	4.13
25	MP3B	X	-20.572	.13
26	MP3B	Z	11.877	.13
27	MP3B	Mx	-.018	.13
28	MP3B	X	-20.572	4.13
29	MP3B	Z	11.877	4.13
30	MP3B	Mx	-.018	4.13
31	MP3C	X	-27.195	.13
32	MP3C	Z	15.701	.13
33	MP3C	Mx	.021	.13
34	MP3C	X	-27.195	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	15.701	4.13
36	MP3C	Mx	.021	4.13
37	MP2A	X	-7.638	1.13
38	MP2A	Z	4.41	1.13
39	MP2A	Mx	.006	1.13
40	MP2A	X	-7.638	3.13
41	MP2A	Z	4.41	3.13
42	MP2A	Mx	.006	3.13
43	MP2B	X	-5.712	1.13
44	MP2B	Z	3.298	1.13
45	MP2B	Mx	-.005	1.13
46	MP2B	X	-5.712	3.13
47	MP2B	Z	3.298	3.13
48	MP2B	Mx	-.005	3.13
49	MP2C	X	-13.414	1.13
50	MP2C	Z	7.745	1.13
51	MP2C	Mx	0	1.13
52	MP2C	X	-13.414	3.13
53	MP2C	Z	7.745	3.13
54	MP2C	Mx	0	3.13
55	OVP	X	-14.885	1
56	OVP	Z	8.594	1
57	OVP	Mx	0	1
58	MP4A	X	-8.722	2
59	MP4A	Z	5.036	2
60	MP4A	Mx	-.000727	2
61	MP4B	X	-7.861	2
62	MP4B	Z	4.539	2
63	MP4B	Mx	.000756	2
64	MP4C	X	-11.303	2
65	MP4C	Z	6.526	2
66	MP4C	Mx	0	2
67	MP3A	X	-7.741	2
68	MP3A	Z	4.469	2
69	MP3A	Mx	-.004	2
70	MP3B	X	-6.553	2
71	MP3B	Z	3.784	2
72	MP3B	Mx	.004	2
73	MP3C	X	-11.303	2
74	MP3C	Z	6.526	2
75	MP3C	Mx	0	2
76	MP1A	X	-8.148	1.13
77	MP1A	Z	4.704	1.13
78	MP1A	Mx	.007	1.13
79	MP1A	X	-8.148	3.13
80	MP1A	Z	4.704	3.13
81	MP1A	Mx	.007	3.13
82	MP1B	X	-13.2	1.13
83	MP1B	Z	7.621	1.13
84	MP1B	Mx	-.006	1.13
85	MP1B	X	-13.2	3.13
86	MP1B	Z	7.621	3.13
87	MP1B	Mx	-.006	3.13
88	MP1C	X	-13.2	1.13
89	MP1C	Z	7.621	1.13
90	MP1C	Mx	-.006	1.13
91	MP1C	X	-13.2	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	7.621	3.13
93	MP1C	Mx	-.006	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-23.754	.13
2	MP3A	Z	0	.13
3	MP3A	Mx	.018	.13
4	MP3A	X	-23.754	4.13
5	MP3A	Z	0	4.13
6	MP3A	Mx	.018	4.13
7	MP3B	X	-25.666	.13
8	MP3B	Z	0	.13
9	MP3B	Mx	-.008	.13
10	MP3B	X	-25.666	4.13
11	MP3B	Z	0	4.13
12	MP3B	Mx	-.008	4.13
13	MP3C	X	-29.49	.13
14	MP3C	Z	0	.13
15	MP3C	Mx	-.028	.13
16	MP3C	X	-29.49	4.13
17	MP3C	Z	0	4.13
18	MP3C	Mx	-.028	4.13
19	MP3A	X	-23.754	.13
20	MP3A	Z	0	.13
21	MP3A	Mx	.018	.13
22	MP3A	X	-23.754	4.13
23	MP3A	Z	0	4.13
24	MP3A	Mx	.018	4.13
25	MP3B	X	-25.666	.13
26	MP3B	Z	0	.13
27	MP3B	Mx	-.025	.13
28	MP3B	X	-25.666	4.13
29	MP3B	Z	0	4.13
30	MP3B	Mx	-.025	4.13
31	MP3C	X	-29.49	.13
32	MP3C	Z	0	.13
33	MP3C	Mx	.006	.13
34	MP3C	X	-29.49	4.13
35	MP3C	Z	0	4.13
36	MP3C	Mx	.006	4.13
37	MP2A	X	-6.596	1.13
38	MP2A	Z	0	1.13
39	MP2A	Mx	.005	1.13
40	MP2A	X	-6.596	3.13
41	MP2A	Z	0	3.13
42	MP2A	Mx	.005	3.13
43	MP2B	X	-8.819	1.13
44	MP2B	Z	0	1.13
45	MP2B	Mx	-.006	1.13
46	MP2B	X	-8.819	3.13
47	MP2B	Z	0	3.13
48	MP2B	Mx	-.006	3.13
49	MP2C	X	-13.266	1.13
50	MP2C	Z	0	1.13
51	MP2C	Mx	-.005	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	X	-13.266	3.13
53	MP2C	Z	0	3.13
54	MP2C	Mx	-.005	3.13
55	OVP	X	-19.173	1
56	OVP	Z	0	1
57	OVP	Mx	0	1
58	MP4A	X	-9.078	2
59	MP4A	Z	0	2
60	MP4A	Mx	-.000756	2
61	MP4B	X	-10.071	2
62	MP4B	Z	0	2
63	MP4B	Mx	.000727	2
64	MP4C	X	-12.058	2
65	MP4C	Z	0	2
66	MP4C	Mx	.000502	2
67	MP3A	X	-7.567	2
68	MP3A	Z	0	2
69	MP3A	Mx	-.004	2
70	MP3B	X	-8.938	2
71	MP3B	Z	0	2
72	MP3B	Mx	.004	2
73	MP3C	X	-11.681	2
74	MP3C	Z	0	2
75	MP3C	Mx	.003	2
76	MP1A	X	-11.353	1.13
77	MP1A	Z	0	1.13
78	MP1A	Mx	.007	1.13
79	MP1A	X	-11.353	3.13
80	MP1A	Z	0	3.13
81	MP1A	Mx	.007	3.13
82	MP1B	X	-17.186	1.13
83	MP1B	Z	0	1.13
84	MP1B	Mx	0	1.13
85	MP1B	X	-17.186	3.13
86	MP1B	Z	0	3.13
87	MP1B	Mx	0	3.13
88	MP1C	X	-11.353	1.13
89	MP1C	Z	0	1.13
90	MP1C	Mx	-.007	1.13
91	MP1C	X	-11.353	3.13
92	MP1C	Z	0	3.13
93	MP1C	Mx	-.007	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-22.228	.13
2	MP3A	Z	-12.833	.13
3	MP3A	Mx	.008	.13
4	MP3A	X	-22.228	4.13
5	MP3A	Z	-12.833	4.13
6	MP3A	Mx	.008	4.13
7	MP3B	X	-25.539	.13
8	MP3B	Z	-14.745	.13
9	MP3B	Mx	.006	.13
10	MP3B	X	-25.539	4.13
11	MP3B	Z	-14.745	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	.006	4.13
13	MP3C	X	-22.228	.13
14	MP3C	Z	-12.833	.13
15	MP3C	Mx	-.025	.13
16	MP3C	X	-22.228	4.13
17	MP3C	Z	-12.833	4.13
18	MP3C	Mx	-.025	4.13
19	MP3A	X	-22.228	.13
20	MP3A	Z	-12.833	.13
21	MP3A	Mx	.025	.13
22	MP3A	X	-22.228	4.13
23	MP3A	Z	-12.833	4.13
24	MP3A	Mx	.025	4.13
25	MP3B	X	-25.539	.13
26	MP3B	Z	-14.745	.13
27	MP3B	Mx	-.028	.13
28	MP3B	X	-25.539	4.13
29	MP3B	Z	-14.745	4.13
30	MP3B	Mx	-.028	4.13
31	MP3C	X	-22.228	.13
32	MP3C	Z	-12.833	.13
33	MP3C	Mx	-.008	.13
34	MP3C	X	-22.228	4.13
35	MP3C	Z	-12.833	4.13
36	MP3C	Mx	-.008	4.13
37	MP2A	X	-7.638	1.13
38	MP2A	Z	-4.41	1.13
39	MP2A	Mx	.006	1.13
40	MP2A	X	-7.638	3.13
41	MP2A	Z	-4.41	3.13
42	MP2A	Mx	.006	3.13
43	MP2B	X	-11.489	1.13
44	MP2B	Z	-6.633	1.13
45	MP2B	Mx	-.005	1.13
46	MP2B	X	-11.489	3.13
47	MP2B	Z	-6.633	3.13
48	MP2B	Mx	-.005	3.13
49	MP2C	X	-7.638	1.13
50	MP2C	Z	-4.41	1.13
51	MP2C	Mx	-.006	1.13
52	MP2C	X	-7.638	3.13
53	MP2C	Z	-4.41	3.13
54	MP2C	Mx	-.006	3.13
55	OVP	X	-20.044	1
56	OVP	Z	-11.572	1
57	OVP	Mx	0	1
58	MP4A	X	-8.722	2
59	MP4A	Z	-5.036	2
60	MP4A	Mx	-.000727	2
61	MP4B	X	-10.443	2
62	MP4B	Z	-6.029	2
63	MP4B	Mx	.000502	2
64	MP4C	X	-8.722	2
65	MP4C	Z	-5.036	2
66	MP4C	Mx	.000727	2
67	MP3A	X	-7.741	2
68	MP3A	Z	-4.469	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	-.004	2
70	MP3B	X	-10.116	2
71	MP3B	Z	-5.84	2
72	MP3B	Mx	.003	2
73	MP3C	X	-7.741	2
74	MP3C	Z	-4.469	2
75	MP3C	Mx	.004	2
76	MP1A	X	-13.2	1.13
77	MP1A	Z	-7.621	1.13
78	MP1A	Mx	.006	1.13
79	MP1A	X	-13.2	3.13
80	MP1A	Z	-7.621	3.13
81	MP1A	Mx	.006	3.13
82	MP1B	X	-13.2	1.13
83	MP1B	Z	-7.621	1.13
84	MP1B	Mx	.006	1.13
85	MP1B	X	-13.2	3.13
86	MP1B	Z	-7.621	3.13
87	MP1B	Mx	.006	3.13
88	MP1C	X	-8.148	1.13
89	MP1C	Z	-4.704	1.13
90	MP1C	Mx	-.007	1.13
91	MP1C	X	-8.148	3.13
92	MP1C	Z	-4.704	3.13
93	MP1C	Mx	-.007	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-14.745	.13
2	MP3A	Z	-25.539	.13
3	MP3A	Mx	-.006	.13
4	MP3A	X	-14.745	4.13
5	MP3A	Z	-25.539	4.13
6	MP3A	Mx	-.006	4.13
7	MP3B	X	-15.701	.13
8	MP3B	Z	-27.195	.13
9	MP3B	Mx	.021	.13
10	MP3B	X	-15.701	4.13
11	MP3B	Z	-27.195	4.13
12	MP3B	Mx	.021	4.13
13	MP3C	X	-11.877	.13
14	MP3C	Z	-20.572	.13
15	MP3C	Mx	-.018	.13
16	MP3C	X	-11.877	4.13
17	MP3C	Z	-20.572	4.13
18	MP3C	Mx	-.018	4.13
19	MP3A	X	-14.745	.13
20	MP3A	Z	-25.539	.13
21	MP3A	Mx	.028	.13
22	MP3A	X	-14.745	4.13
23	MP3A	Z	-25.539	4.13
24	MP3A	Mx	.028	4.13
25	MP3B	X	-15.701	.13
26	MP3B	Z	-27.195	.13
27	MP3B	Mx	-.021	.13
28	MP3B	X	-15.701	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	-27.195	4.13
30	MP3B	Mx	-.021	4.13
31	MP3C	X	-11.877	.13
32	MP3C	Z	-20.572	.13
33	MP3C	Mx	-.018	.13
34	MP3C	X	-11.877	4.13
35	MP3C	Z	-20.572	4.13
36	MP3C	Mx	-.018	4.13
37	MP2A	X	-6.633	1.13
38	MP2A	Z	-11.489	1.13
39	MP2A	Mx	.005	1.13
40	MP2A	X	-6.633	3.13
41	MP2A	Z	-11.489	3.13
42	MP2A	Mx	.005	3.13
43	MP2B	X	-7.745	1.13
44	MP2B	Z	-13.414	1.13
45	MP2B	Mx	0	1.13
46	MP2B	X	-7.745	3.13
47	MP2B	Z	-13.414	3.13
48	MP2B	Mx	0	3.13
49	MP2C	X	-3.298	1.13
50	MP2C	Z	-5.712	1.13
51	MP2C	Mx	-.005	1.13
52	MP2C	X	-3.298	3.13
53	MP2C	Z	-5.712	3.13
54	MP2C	Mx	-.005	3.13
55	OVP	X	-12.565	1
56	OVP	Z	-21.764	1
57	OVP	Mx	0	1
58	MP4A	X	-6.029	2
59	MP4A	Z	-10.443	2
60	MP4A	Mx	-.000502	2
61	MP4B	X	-6.526	2
62	MP4B	Z	-11.303	2
63	MP4B	Mx	0	2
64	MP4C	X	-4.539	2
65	MP4C	Z	-7.861	2
66	MP4C	Mx	.000756	2
67	MP3A	X	-5.84	2
68	MP3A	Z	-10.116	2
69	MP3A	Mx	-.003	2
70	MP3B	X	-6.526	2
71	MP3B	Z	-11.303	2
72	MP3B	Mx	0	2
73	MP3C	X	-3.784	2
74	MP3C	Z	-6.553	2
75	MP3C	Mx	.004	2
76	MP1A	X	-8.593	1.13
77	MP1A	Z	-14.883	1.13
78	MP1A	Mx	0	1.13
79	MP1A	X	-8.593	3.13
80	MP1A	Z	-14.883	3.13
81	MP1A	Mx	0	3.13
82	MP1B	X	-5.676	1.13
83	MP1B	Z	-9.832	1.13
84	MP1B	Mx	.007	1.13
85	MP1B	X	-5.676	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1B	Z	-9.832	3.13
87	MP1B	Mx	.007	3.13
88	MP1C	X	-5.676	1.13
89	MP1C	Z	-9.832	1.13
90	MP1C	Mx	-.007	1.13
91	MP1C	X	-5.676	3.13
92	MP1C	Z	-9.832	3.13
93	MP1C	Mx	-.007	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.13
2	MP3A	Z	-10.37	.13
3	MP3A	Mx	-.007	.13
4	MP3A	X	0	4.13
5	MP3A	Z	-10.37	4.13
6	MP3A	Mx	-.007	4.13
7	MP3B	X	0	.13
8	MP3B	Z	-9.705	.13
9	MP3B	Mx	.009	.13
10	MP3B	X	0	4.13
11	MP3B	Z	-9.705	4.13
12	MP3B	Mx	.009	4.13
13	MP3C	X	0	.13
14	MP3C	Z	-8.375	.13
15	MP3C	Mx	-.003	.13
16	MP3C	X	0	4.13
17	MP3C	Z	-8.375	4.13
18	MP3C	Mx	-.003	4.13
19	MP3A	X	0	.13
20	MP3A	Z	-10.37	.13
21	MP3A	Mx	.007	.13
22	MP3A	X	0	4.13
23	MP3A	Z	-10.37	4.13
24	MP3A	Mx	.007	4.13
25	MP3B	X	0	.13
26	MP3B	Z	-9.705	.13
27	MP3B	Mx	-.002	.13
28	MP3B	X	0	4.13
29	MP3B	Z	-9.705	4.13
30	MP3B	Mx	-.002	4.13
31	MP3C	X	0	.13
32	MP3C	Z	-8.375	.13
33	MP3C	Mx	-.008	.13
34	MP3C	X	0	4.13
35	MP3C	Z	-8.375	4.13
36	MP3C	Mx	-.008	4.13
37	MP2A	X	0	1.13
38	MP2A	Z	-4.938	1.13
39	MP2A	Mx	0	1.13
40	MP2A	X	0	3.13
41	MP2A	Z	-4.938	3.13
42	MP2A	Mx	0	3.13
43	MP2B	X	0	1.13
44	MP2B	Z	-4.187	1.13
45	MP2B	Mx	.002	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	0	3.13
47	MP2B	Z	-4.187	3.13
48	MP2B	Mx	.002	3.13
49	MP2C	X	0	1.13
50	MP2C	Z	-2.685	1.13
51	MP2C	Mx	-.002	1.13
52	MP2C	X	0	3.13
53	MP2C	Z	-2.685	3.13
54	MP2C	Mx	-.002	3.13
55	OVP	X	0	1
56	OVP	Z	-7.291	1
57	OVP	Mx	0	1
58	MP4A	X	0	2
59	MP4A	Z	-3.93	2
60	MP4A	Mx	0	2
61	MP4B	X	0	2
62	MP4B	Z	-3.604	2
63	MP4B	Mx	-.00015	2
64	MP4C	X	0	2
65	MP4C	Z	-2.952	2
66	MP4C	Mx	.000213	2
67	MP3A	X	0	2
68	MP3A	Z	-3.93	2
69	MP3A	Mx	0	2
70	MP3B	X	0	2
71	MP3B	Z	-3.479	2
72	MP3B	Mx	-.00087	2
73	MP3C	X	0	2
74	MP3C	Z	-2.578	2
75	MP3C	Mx	.001	2
76	MP1A	X	0	1.13
77	MP1A	Z	-4.839	1.13
78	MP1A	Mx	-.002	1.13
79	MP1A	X	0	3.13
80	MP1A	Z	-4.839	3.13
81	MP1A	Mx	-.002	3.13
82	MP1B	X	0	1.13
83	MP1B	Z	-2.808	1.13
84	MP1B	Mx	.002	1.13
85	MP1B	X	0	3.13
86	MP1B	Z	-2.808	3.13
87	MP1B	Mx	.002	3.13
88	MP1C	X	0	1.13
89	MP1C	Z	-4.839	1.13
90	MP1C	Mx	-.002	1.13
91	MP1C	X	0	3.13
92	MP1C	Z	-4.839	3.13
93	MP1C	Mx	-.002	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.853	.13
2	MP3A	Z	-8.405	.13
3	MP3A	Mx	-.009	.13
4	MP3A	X	4.853	4.13
5	MP3A	Z	-8.405	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3A	Mx	-.009	4.13
7	MP3B	X	4.188	.13
8	MP3B	Z	-7.253	.13
9	MP3B	Mx	.008	.13
10	MP3B	X	4.188	4.13
11	MP3B	Z	-7.253	4.13
12	MP3B	Mx	.008	4.13
13	MP3C	X	4.853	.13
14	MP3C	Z	-8.405	.13
15	MP3C	Mx	.002	.13
16	MP3C	X	4.853	4.13
17	MP3C	Z	-8.405	4.13
18	MP3C	Mx	.002	4.13
19	MP3A	X	4.853	.13
20	MP3A	Z	-8.405	.13
21	MP3A	Mx	.002	.13
22	MP3A	X	4.853	4.13
23	MP3A	Z	-8.405	4.13
24	MP3A	Mx	.002	4.13
25	MP3B	X	4.188	.13
26	MP3B	Z	-7.253	.13
27	MP3B	Mx	.003	.13
28	MP3B	X	4.188	4.13
29	MP3B	Z	-7.253	4.13
30	MP3B	Mx	.003	4.13
31	MP3C	X	4.853	.13
32	MP3C	Z	-8.405	.13
33	MP3C	Mx	-.009	.13
34	MP3C	X	4.853	4.13
35	MP3C	Z	-8.405	4.13
36	MP3C	Mx	-.009	4.13
37	MP2A	X	2.094	1.13
38	MP2A	Z	-3.626	1.13
39	MP2A	Mx	-.002	1.13
40	MP2A	X	2.094	3.13
41	MP2A	Z	-3.626	3.13
42	MP2A	Mx	-.002	3.13
43	MP2B	X	1.342	1.13
44	MP2B	Z	-2.325	1.13
45	MP2B	Mx	.002	1.13
46	MP2B	X	1.342	3.13
47	MP2B	Z	-2.325	3.13
48	MP2B	Mx	.002	3.13
49	MP2C	X	2.094	1.13
50	MP2C	Z	-3.626	1.13
51	MP2C	Mx	-.002	1.13
52	MP2C	X	2.094	3.13
53	MP2C	Z	-3.626	3.13
54	MP2C	Mx	-.002	3.13
55	OVP	X	2.972	1
56	OVP	Z	-5.148	1
57	OVP	Mx	0	1
58	MP4A	X	1.802	2
59	MP4A	Z	-3.121	2
60	MP4A	Mx	.00015	2
61	MP4B	X	1.476	2
62	MP4B	Z	-2.557	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4B	Mx	-.000213	2
64	MP4C	X	1.802	2
65	MP4C	Z	-3.121	2
66	MP4C	Mx	.00015	2
67	MP3A	X	1.74	2
68	MP3A	Z	-3.013	2
69	MP3A	Mx	.00087	2
70	MP3B	X	1.289	2
71	MP3B	Z	-2.233	2
72	MP3B	Mx	-.001	2
73	MP3C	X	1.74	2
74	MP3C	Z	-3.013	2
75	MP3C	Mx	.00087	2
76	MP1A	X	1.742	1.13
77	MP1A	Z	-3.018	1.13
78	MP1A	Mx	-.002	1.13
79	MP1A	X	1.742	3.13
80	MP1A	Z	-3.018	3.13
81	MP1A	Mx	-.002	3.13
82	MP1B	X	1.742	1.13
83	MP1B	Z	-3.018	1.13
84	MP1B	Mx	.002	1.13
85	MP1B	X	1.742	3.13
86	MP1B	Z	-3.018	3.13
87	MP1B	Mx	.002	3.13
88	MP1C	X	2.758	1.13
89	MP1C	Z	-4.777	1.13
90	MP1C	Mx	0	1.13
91	MP1C	X	2.758	3.13
92	MP1C	Z	-4.777	3.13
93	MP1C	Mx	0	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.253	.13
2	MP3A	Z	-4.188	.13
3	MP3A	Mx	-.008	.13
4	MP3A	X	7.253	4.13
5	MP3A	Z	-4.188	4.13
6	MP3A	Mx	-.008	4.13
7	MP3B	X	6.677	.13
8	MP3B	Z	-3.855	.13
9	MP3B	Mx	.006	.13
10	MP3B	X	6.677	4.13
11	MP3B	Z	-3.855	4.13
12	MP3B	Mx	.006	4.13
13	MP3C	X	8.981	.13
14	MP3C	Z	-5.185	.13
15	MP3C	Mx	.007	.13
16	MP3C	X	8.981	4.13
17	MP3C	Z	-5.185	4.13
18	MP3C	Mx	.007	4.13
19	MP3A	X	7.253	.13
20	MP3A	Z	-4.188	.13
21	MP3A	Mx	-.003	.13
22	MP3A	X	7.253	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	-4.188	4.13
24	MP3A	Mx	-.003	4.13
25	MP3B	X	6.677	.13
26	MP3B	Z	-3.855	.13
27	MP3B	Mx	.006	.13
28	MP3B	X	6.677	4.13
29	MP3B	Z	-3.855	4.13
30	MP3B	Mx	.006	4.13
31	MP3C	X	8.981	.13
32	MP3C	Z	-5.185	.13
33	MP3C	Mx	-.007	.13
34	MP3C	X	8.981	4.13
35	MP3C	Z	-5.185	4.13
36	MP3C	Mx	-.007	4.13
37	MP2A	X	2.325	1.13
38	MP2A	Z	-1.342	1.13
39	MP2A	Mx	-.002	1.13
40	MP2A	X	2.325	3.13
41	MP2A	Z	-1.342	3.13
42	MP2A	Mx	-.002	3.13
43	MP2B	X	1.674	1.13
44	MP2B	Z	-.967	1.13
45	MP2B	Mx	.001	1.13
46	MP2B	X	1.674	3.13
47	MP2B	Z	-.967	3.13
48	MP2B	Mx	.001	3.13
49	MP2C	X	4.277	1.13
50	MP2C	Z	-2.469	1.13
51	MP2C	Mx	0	1.13
52	MP2C	X	4.277	3.13
53	MP2C	Z	-2.469	3.13
54	MP2C	Mx	0	3.13
55	OVP	X	4.565	1
56	OVP	Z	-2.636	1
57	OVP	Mx	0	1
58	MP4A	X	2.557	2
59	MP4A	Z	-1.476	2
60	MP4A	Mx	.000213	2
61	MP4B	X	2.275	2
62	MP4B	Z	-1.313	2
63	MP4B	Mx	-.000219	2
64	MP4C	X	3.403	2
65	MP4C	Z	-1.965	2
66	MP4C	Mx	0	2
67	MP3A	X	2.233	2
68	MP3A	Z	-1.289	2
69	MP3A	Mx	.001	2
70	MP3B	X	1.843	2
71	MP3B	Z	-1.064	2
72	MP3B	Mx	-.001	2
73	MP3C	X	3.403	2
74	MP3C	Z	-1.965	2
75	MP3C	Mx	0	2
76	MP1A	X	2.432	1.13
77	MP1A	Z	-1.404	1.13
78	MP1A	Mx	-.002	1.13
79	MP1A	X	2.432	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	-1.404	3.13
81	MP1A	Mx	-.002	3.13
82	MP1B	X	4.191	1.13
83	MP1B	Z	-2.42	1.13
84	MP1B	Mx	.002	1.13
85	MP1B	X	4.191	3.13
86	MP1B	Z	-2.42	3.13
87	MP1B	Mx	.002	3.13
88	MP1C	X	4.191	1.13
89	MP1C	Z	-2.42	1.13
90	MP1C	Mx	.002	1.13
91	MP1C	X	4.191	3.13
92	MP1C	Z	-2.42	3.13
93	MP1C	Mx	.002	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.71	.13
2	MP3A	Z	0	.13
3	MP3A	Mx	-.006	.13
4	MP3A	X	7.71	4.13
5	MP3A	Z	0	4.13
6	MP3A	Mx	-.006	4.13
7	MP3B	X	8.375	.13
8	MP3B	Z	0	.13
9	MP3B	Mx	.003	.13
10	MP3B	X	8.375	4.13
11	MP3B	Z	0	4.13
12	MP3B	Mx	.003	4.13
13	MP3C	X	9.705	.13
14	MP3C	Z	0	.13
15	MP3C	Mx	.009	.13
16	MP3C	X	9.705	4.13
17	MP3C	Z	0	4.13
18	MP3C	Mx	.009	4.13
19	MP3A	X	7.71	.13
20	MP3A	Z	0	.13
21	MP3A	Mx	-.006	.13
22	MP3A	X	7.71	4.13
23	MP3A	Z	0	4.13
24	MP3A	Mx	-.006	4.13
25	MP3B	X	8.375	.13
26	MP3B	Z	0	.13
27	MP3B	Mx	.008	.13
28	MP3B	X	8.375	4.13
29	MP3B	Z	0	4.13
30	MP3B	Mx	.008	4.13
31	MP3C	X	9.705	.13
32	MP3C	Z	0	.13
33	MP3C	Mx	-.002	.13
34	MP3C	X	9.705	4.13
35	MP3C	Z	0	4.13
36	MP3C	Mx	-.002	4.13
37	MP2A	X	1.933	1.13
38	MP2A	Z	0	1.13
39	MP2A	Mx	-.001	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	1.933	3.13
41	MP2A	Z	0	3.13
42	MP2A	Mx	-.001	3.13
43	MP2B	X	2.685	1.13
44	MP2B	Z	0	1.13
45	MP2B	Mx	.002	1.13
46	MP2B	X	2.685	3.13
47	MP2B	Z	0	3.13
48	MP2B	Mx	.002	3.13
49	MP2C	X	4.187	1.13
50	MP2C	Z	0	1.13
51	MP2C	Mx	.002	1.13
52	MP2C	X	4.187	3.13
53	MP2C	Z	0	3.13
54	MP2C	Mx	.002	3.13
55	OVP	X	5.945	1
56	OVP	Z	0	1
57	OVP	Mx	0	1
58	MP4A	X	2.627	2
59	MP4A	Z	0	2
60	MP4A	Mx	.000219	2
61	MP4B	X	2.952	2
62	MP4B	Z	0	2
63	MP4B	Mx	-.000213	2
64	MP4C	X	3.604	2
65	MP4C	Z	0	2
66	MP4C	Mx	-.00015	2
67	MP3A	X	2.128	2
68	MP3A	Z	0	2
69	MP3A	Mx	.001	2
70	MP3B	X	2.578	2
71	MP3B	Z	0	2
72	MP3B	Mx	-.001	2
73	MP3C	X	3.479	2
74	MP3C	Z	0	2
75	MP3C	Mx	-.00087	2
76	MP1A	X	3.485	1.13
77	MP1A	Z	0	1.13
78	MP1A	Mx	-.002	1.13
79	MP1A	X	3.485	3.13
80	MP1A	Z	0	3.13
81	MP1A	Mx	-.002	3.13
82	MP1B	X	5.516	1.13
83	MP1B	Z	0	1.13
84	MP1B	Mx	0	1.13
85	MP1B	X	5.516	3.13
86	MP1B	Z	0	3.13
87	MP1B	Mx	0	3.13
88	MP1C	X	3.485	1.13
89	MP1C	Z	0	1.13
90	MP1C	Mx	.002	1.13
91	MP1C	X	3.485	3.13
92	MP1C	Z	0	3.13
93	MP1C	Mx	.002	3.13

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.253	.13
2	MP3A	Z	4.188	.13
3	MP3A	Mx	-.003	.13
4	MP3A	X	7.253	4.13
5	MP3A	Z	4.188	4.13
6	MP3A	Mx	-.003	4.13
7	MP3B	X	8.405	.13
8	MP3B	Z	4.853	.13
9	MP3B	Mx	-.002	.13
10	MP3B	X	8.405	4.13
11	MP3B	Z	4.853	4.13
12	MP3B	Mx	-.002	4.13
13	MP3C	X	7.253	.13
14	MP3C	Z	4.188	.13
15	MP3C	Mx	.008	.13
16	MP3C	X	7.253	4.13
17	MP3C	Z	4.188	4.13
18	MP3C	Mx	.008	4.13
19	MP3A	X	7.253	.13
20	MP3A	Z	4.188	.13
21	MP3A	Mx	-.008	.13
22	MP3A	X	7.253	4.13
23	MP3A	Z	4.188	4.13
24	MP3A	Mx	-.008	4.13
25	MP3B	X	8.405	.13
26	MP3B	Z	4.853	.13
27	MP3B	Mx	.009	.13
28	MP3B	X	8.405	4.13
29	MP3B	Z	4.853	4.13
30	MP3B	Mx	.009	4.13
31	MP3C	X	7.253	.13
32	MP3C	Z	4.188	.13
33	MP3C	Mx	.003	.13
34	MP3C	X	7.253	4.13
35	MP3C	Z	4.188	4.13
36	MP3C	Mx	.003	4.13
37	MP2A	X	2.325	1.13
38	MP2A	Z	1.342	1.13
39	MP2A	Mx	-.002	1.13
40	MP2A	X	2.325	3.13
41	MP2A	Z	1.342	3.13
42	MP2A	Mx	-.002	3.13
43	MP2B	X	3.626	1.13
44	MP2B	Z	2.094	1.13
45	MP2B	Mx	.002	1.13
46	MP2B	X	3.626	3.13
47	MP2B	Z	2.094	3.13
48	MP2B	Mx	.002	3.13
49	MP2C	X	2.325	1.13
50	MP2C	Z	1.342	1.13
51	MP2C	Mx	.002	1.13
52	MP2C	X	2.325	3.13
53	MP2C	Z	1.342	3.13
54	MP2C	Mx	.002	3.13
55	OVP	X	6.314	1
56	OVP	Z	3.646	1
57	OVP	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	2.557	2
59	MP4A	Z	1.476	2
60	MP4A	Mx	.000213	2
61	MP4B	X	3.121	2
62	MP4B	Z	1.802	2
63	MP4B	Mx	-.00015	2
64	MP4C	X	2.557	2
65	MP4C	Z	1.476	2
66	MP4C	Mx	-.000213	2
67	MP3A	X	2.233	2
68	MP3A	Z	1.289	2
69	MP3A	Mx	.001	2
70	MP3B	X	3.013	2
71	MP3B	Z	1.74	2
72	MP3B	Mx	-.00087	2
73	MP3C	X	2.233	2
74	MP3C	Z	1.289	2
75	MP3C	Mx	-.001	2
76	MP1A	X	4.191	1.13
77	MP1A	Z	2.42	1.13
78	MP1A	Mx	-.002	1.13
79	MP1A	X	4.191	3.13
80	MP1A	Z	2.42	3.13
81	MP1A	Mx	-.002	3.13
82	MP1B	X	4.191	1.13
83	MP1B	Z	2.42	1.13
84	MP1B	Mx	-.002	1.13
85	MP1B	X	4.191	3.13
86	MP1B	Z	2.42	3.13
87	MP1B	Mx	-.002	3.13
88	MP1C	X	2.432	1.13
89	MP1C	Z	1.404	1.13
90	MP1C	Mx	.002	1.13
91	MP1C	X	2.432	3.13
92	MP1C	Z	1.404	3.13
93	MP1C	Mx	.002	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.853	.13
2	MP3A	Z	8.405	.13
3	MP3A	Mx	.002	.13
4	MP3A	X	4.853	4.13
5	MP3A	Z	8.405	4.13
6	MP3A	Mx	.002	4.13
7	MP3B	X	5.185	.13
8	MP3B	Z	8.981	.13
9	MP3B	Mx	-.007	.13
10	MP3B	X	5.185	4.13
11	MP3B	Z	8.981	4.13
12	MP3B	Mx	-.007	4.13
13	MP3C	X	3.855	.13
14	MP3C	Z	6.677	.13
15	MP3C	Mx	.006	.13
16	MP3C	X	3.855	4.13
17	MP3C	Z	6.677	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	.006	4.13
19	MP3A	X	4.853	.13
20	MP3A	Z	8.405	.13
21	MP3A	Mx	-.009	.13
22	MP3A	X	4.853	4.13
23	MP3A	Z	8.405	4.13
24	MP3A	Mx	-.009	4.13
25	MP3B	X	5.185	.13
26	MP3B	Z	8.981	.13
27	MP3B	Mx	.007	.13
28	MP3B	X	5.185	4.13
29	MP3B	Z	8.981	4.13
30	MP3B	Mx	.007	4.13
31	MP3C	X	3.855	.13
32	MP3C	Z	6.677	.13
33	MP3C	Mx	.006	.13
34	MP3C	X	3.855	4.13
35	MP3C	Z	6.677	4.13
36	MP3C	Mx	.006	4.13
37	MP2A	X	2.094	1.13
38	MP2A	Z	3.626	1.13
39	MP2A	Mx	-.002	1.13
40	MP2A	X	2.094	3.13
41	MP2A	Z	3.626	3.13
42	MP2A	Mx	-.002	3.13
43	MP2B	X	2.469	1.13
44	MP2B	Z	4.277	1.13
45	MP2B	Mx	0	1.13
46	MP2B	X	2.469	3.13
47	MP2B	Z	4.277	3.13
48	MP2B	Mx	0	3.13
49	MP2C	X	.967	1.13
50	MP2C	Z	1.674	1.13
51	MP2C	Mx	.001	1.13
52	MP2C	X	.967	3.13
53	MP2C	Z	1.674	3.13
54	MP2C	Mx	.001	3.13
55	OVP	X	3.982	1
56	OVP	Z	6.897	1
57	OVP	Mx	0	1
58	MP4A	X	1.802	2
59	MP4A	Z	3.121	2
60	MP4A	Mx	.00015	2
61	MP4B	X	1.965	2
62	MP4B	Z	3.403	2
63	MP4B	Mx	0	2
64	MP4C	X	1.313	2
65	MP4C	Z	2.275	2
66	MP4C	Mx	-.000219	2
67	MP3A	X	1.74	2
68	MP3A	Z	3.013	2
69	MP3A	Mx	.00087	2
70	MP3B	X	1.965	2
71	MP3B	Z	3.403	2
72	MP3B	Mx	0	2
73	MP3C	X	1.064	2
74	MP3C	Z	1.843	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3C	Mx	-.001	2
76	MP1A	X	2.758	1.13
77	MP1A	Z	4.777	1.13
78	MP1A	Mx	0	1.13
79	MP1A	X	2.758	3.13
80	MP1A	Z	4.777	3.13
81	MP1A	Mx	0	3.13
82	MP1B	X	1.742	1.13
83	MP1B	Z	3.018	1.13
84	MP1B	Mx	-.002	1.13
85	MP1B	X	1.742	3.13
86	MP1B	Z	3.018	3.13
87	MP1B	Mx	-.002	3.13
88	MP1C	X	1.742	1.13
89	MP1C	Z	3.018	1.13
90	MP1C	Mx	.002	1.13
91	MP1C	X	1.742	3.13
92	MP1C	Z	3.018	3.13
93	MP1C	Mx	.002	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.13
2	MP3A	Z	10.37	.13
3	MP3A	Mx	.007	.13
4	MP3A	X	0	4.13
5	MP3A	Z	10.37	4.13
6	MP3A	Mx	.007	4.13
7	MP3B	X	0	.13
8	MP3B	Z	9.705	.13
9	MP3B	Mx	-.009	.13
10	MP3B	X	0	4.13
11	MP3B	Z	9.705	4.13
12	MP3B	Mx	-.009	4.13
13	MP3C	X	0	.13
14	MP3C	Z	8.375	.13
15	MP3C	Mx	.003	.13
16	MP3C	X	0	4.13
17	MP3C	Z	8.375	4.13
18	MP3C	Mx	.003	4.13
19	MP3A	X	0	.13
20	MP3A	Z	10.37	.13
21	MP3A	Mx	-.007	.13
22	MP3A	X	0	4.13
23	MP3A	Z	10.37	4.13
24	MP3A	Mx	-.007	4.13
25	MP3B	X	0	.13
26	MP3B	Z	9.705	.13
27	MP3B	Mx	.002	.13
28	MP3B	X	0	4.13
29	MP3B	Z	9.705	4.13
30	MP3B	Mx	.002	4.13
31	MP3C	X	0	.13
32	MP3C	Z	8.375	.13
33	MP3C	Mx	.008	.13
34	MP3C	X	0	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	8.375	4.13
36	MP3C	Mx	.008	4.13
37	MP2A	X	0	1.13
38	MP2A	Z	4.938	1.13
39	MP2A	Mx	0	1.13
40	MP2A	X	0	3.13
41	MP2A	Z	4.938	3.13
42	MP2A	Mx	0	3.13
43	MP2B	X	0	1.13
44	MP2B	Z	4.187	1.13
45	MP2B	Mx	-.002	1.13
46	MP2B	X	0	3.13
47	MP2B	Z	4.187	3.13
48	MP2B	Mx	-.002	3.13
49	MP2C	X	0	1.13
50	MP2C	Z	2.685	1.13
51	MP2C	Mx	.002	1.13
52	MP2C	X	0	3.13
53	MP2C	Z	2.685	3.13
54	MP2C	Mx	.002	3.13
55	OVP	X	0	1
56	OVP	Z	7.291	1
57	OVP	Mx	0	1
58	MP4A	X	0	2
59	MP4A	Z	3.93	2
60	MP4A	Mx	0	2
61	MP4B	X	0	2
62	MP4B	Z	3.604	2
63	MP4B	Mx	.00015	2
64	MP4C	X	0	2
65	MP4C	Z	2.952	2
66	MP4C	Mx	-.000213	2
67	MP3A	X	0	2
68	MP3A	Z	3.93	2
69	MP3A	Mx	0	2
70	MP3B	X	0	2
71	MP3B	Z	3.479	2
72	MP3B	Mx	.00087	2
73	MP3C	X	0	2
74	MP3C	Z	2.578	2
75	MP3C	Mx	-.001	2
76	MP1A	X	0	1.13
77	MP1A	Z	4.839	1.13
78	MP1A	Mx	.002	1.13
79	MP1A	X	0	3.13
80	MP1A	Z	4.839	3.13
81	MP1A	Mx	.002	3.13
82	MP1B	X	0	1.13
83	MP1B	Z	2.808	1.13
84	MP1B	Mx	-.002	1.13
85	MP1B	X	0	3.13
86	MP1B	Z	2.808	3.13
87	MP1B	Mx	-.002	3.13
88	MP1C	X	0	1.13
89	MP1C	Z	4.839	1.13
90	MP1C	Mx	.002	1.13
91	MP1C	X	0	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	4.839	3.13
93	MP1C	Mx	.002	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.853	.13
2	MP3A	Z	8.405	.13
3	MP3A	Mx	.009	.13
4	MP3A	X	-4.853	4.13
5	MP3A	Z	8.405	4.13
6	MP3A	Mx	.009	4.13
7	MP3B	X	-4.188	.13
8	MP3B	Z	7.253	.13
9	MP3B	Mx	-.008	.13
10	MP3B	X	-4.188	4.13
11	MP3B	Z	7.253	4.13
12	MP3B	Mx	-.008	4.13
13	MP3C	X	-4.853	.13
14	MP3C	Z	8.405	.13
15	MP3C	Mx	-.002	.13
16	MP3C	X	-4.853	4.13
17	MP3C	Z	8.405	4.13
18	MP3C	Mx	-.002	4.13
19	MP3A	X	-4.853	.13
20	MP3A	Z	8.405	.13
21	MP3A	Mx	-.002	.13
22	MP3A	X	-4.853	4.13
23	MP3A	Z	8.405	4.13
24	MP3A	Mx	-.002	4.13
25	MP3B	X	-4.188	.13
26	MP3B	Z	7.253	.13
27	MP3B	Mx	-.003	.13
28	MP3B	X	-4.188	4.13
29	MP3B	Z	7.253	4.13
30	MP3B	Mx	-.003	4.13
31	MP3C	X	-4.853	.13
32	MP3C	Z	8.405	.13
33	MP3C	Mx	.009	.13
34	MP3C	X	-4.853	4.13
35	MP3C	Z	8.405	4.13
36	MP3C	Mx	.009	4.13
37	MP2A	X	-2.094	1.13
38	MP2A	Z	3.626	1.13
39	MP2A	Mx	.002	1.13
40	MP2A	X	-2.094	3.13
41	MP2A	Z	3.626	3.13
42	MP2A	Mx	.002	3.13
43	MP2B	X	-1.342	1.13
44	MP2B	Z	2.325	1.13
45	MP2B	Mx	-.002	1.13
46	MP2B	X	-1.342	3.13
47	MP2B	Z	2.325	3.13
48	MP2B	Mx	-.002	3.13
49	MP2C	X	-2.094	1.13
50	MP2C	Z	3.626	1.13
51	MP2C	Mx	.002	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2C	X	-2.094	3.13
53	MP2C	Z	3.626	3.13
54	MP2C	Mx	.002	3.13
55	OVP	X	-2.972	1
56	OVP	Z	5.148	1
57	OVP	Mx	0	1
58	MP4A	X	-1.802	2
59	MP4A	Z	3.121	2
60	MP4A	Mx	-.00015	2
61	MP4B	X	-1.476	2
62	MP4B	Z	2.557	2
63	MP4B	Mx	.000213	2
64	MP4C	X	-1.802	2
65	MP4C	Z	3.121	2
66	MP4C	Mx	-.00015	2
67	MP3A	X	-1.74	2
68	MP3A	Z	3.013	2
69	MP3A	Mx	-.00087	2
70	MP3B	X	-1.289	2
71	MP3B	Z	2.233	2
72	MP3B	Mx	.001	2
73	MP3C	X	-1.74	2
74	MP3C	Z	3.013	2
75	MP3C	Mx	-.00087	2
76	MP1A	X	-1.742	1.13
77	MP1A	Z	3.018	1.13
78	MP1A	Mx	.002	1.13
79	MP1A	X	-1.742	3.13
80	MP1A	Z	3.018	3.13
81	MP1A	Mx	.002	3.13
82	MP1B	X	-1.742	1.13
83	MP1B	Z	3.018	1.13
84	MP1B	Mx	-.002	1.13
85	MP1B	X	-1.742	3.13
86	MP1B	Z	3.018	3.13
87	MP1B	Mx	-.002	3.13
88	MP1C	X	-2.758	1.13
89	MP1C	Z	4.777	1.13
90	MP1C	Mx	0	1.13
91	MP1C	X	-2.758	3.13
92	MP1C	Z	4.777	3.13
93	MP1C	Mx	0	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.253	.13
2	MP3A	Z	4.188	.13
3	MP3A	Mx	.008	.13
4	MP3A	X	-7.253	4.13
5	MP3A	Z	4.188	4.13
6	MP3A	Mx	.008	4.13
7	MP3B	X	-6.677	.13
8	MP3B	Z	3.855	.13
9	MP3B	Mx	-.006	.13
10	MP3B	X	-6.677	4.13
11	MP3B	Z	3.855	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	-.006	4.13
13	MP3C	X	-8.981	.13
14	MP3C	Z	5.185	.13
15	MP3C	Mx	-.007	.13
16	MP3C	X	-8.981	4.13
17	MP3C	Z	5.185	4.13
18	MP3C	Mx	-.007	4.13
19	MP3A	X	-7.253	.13
20	MP3A	Z	4.188	.13
21	MP3A	Mx	.003	.13
22	MP3A	X	-7.253	4.13
23	MP3A	Z	4.188	4.13
24	MP3A	Mx	.003	4.13
25	MP3B	X	-6.677	.13
26	MP3B	Z	3.855	.13
27	MP3B	Mx	-.006	.13
28	MP3B	X	-6.677	4.13
29	MP3B	Z	3.855	4.13
30	MP3B	Mx	-.006	4.13
31	MP3C	X	-8.981	.13
32	MP3C	Z	5.185	.13
33	MP3C	Mx	.007	.13
34	MP3C	X	-8.981	4.13
35	MP3C	Z	5.185	4.13
36	MP3C	Mx	.007	4.13
37	MP2A	X	-2.325	1.13
38	MP2A	Z	1.342	1.13
39	MP2A	Mx	.002	1.13
40	MP2A	X	-2.325	3.13
41	MP2A	Z	1.342	3.13
42	MP2A	Mx	.002	3.13
43	MP2B	X	-1.674	1.13
44	MP2B	Z	.967	1.13
45	MP2B	Mx	-.001	1.13
46	MP2B	X	-1.674	3.13
47	MP2B	Z	.967	3.13
48	MP2B	Mx	-.001	3.13
49	MP2C	X	-4.277	1.13
50	MP2C	Z	2.469	1.13
51	MP2C	Mx	0	1.13
52	MP2C	X	-4.277	3.13
53	MP2C	Z	2.469	3.13
54	MP2C	Mx	0	3.13
55	OVP	X	-4.565	1
56	OVP	Z	2.636	1
57	OVP	Mx	0	1
58	MP4A	X	-2.557	2
59	MP4A	Z	1.476	2
60	MP4A	Mx	-.000213	2
61	MP4B	X	-2.275	2
62	MP4B	Z	1.313	2
63	MP4B	Mx	.000219	2
64	MP4C	X	-3.403	2
65	MP4C	Z	1.965	2
66	MP4C	Mx	0	2
67	MP3A	X	-2.233	2
68	MP3A	Z	1.289	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	-.001	2
70	MP3B	X	-1.843	2
71	MP3B	Z	1.064	2
72	MP3B	Mx	.001	2
73	MP3C	X	-3.403	2
74	MP3C	Z	1.965	2
75	MP3C	Mx	0	2
76	MP1A	X	-2.432	1.13
77	MP1A	Z	1.404	1.13
78	MP1A	Mx	.002	1.13
79	MP1A	X	-2.432	3.13
80	MP1A	Z	1.404	3.13
81	MP1A	Mx	.002	3.13
82	MP1B	X	-4.191	1.13
83	MP1B	Z	2.42	1.13
84	MP1B	Mx	-.002	1.13
85	MP1B	X	-4.191	3.13
86	MP1B	Z	2.42	3.13
87	MP1B	Mx	-.002	3.13
88	MP1C	X	-4.191	1.13
89	MP1C	Z	2.42	1.13
90	MP1C	Mx	-.002	1.13
91	MP1C	X	-4.191	3.13
92	MP1C	Z	2.42	3.13
93	MP1C	Mx	-.002	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.71	.13
2	MP3A	Z	0	.13
3	MP3A	Mx	.006	.13
4	MP3A	X	-7.71	4.13
5	MP3A	Z	0	4.13
6	MP3A	Mx	.006	4.13
7	MP3B	X	-8.375	.13
8	MP3B	Z	0	.13
9	MP3B	Mx	-.003	.13
10	MP3B	X	-8.375	4.13
11	MP3B	Z	0	4.13
12	MP3B	Mx	-.003	4.13
13	MP3C	X	-9.705	.13
14	MP3C	Z	0	.13
15	MP3C	Mx	-.009	.13
16	MP3C	X	-9.705	4.13
17	MP3C	Z	0	4.13
18	MP3C	Mx	-.009	4.13
19	MP3A	X	-7.71	.13
20	MP3A	Z	0	.13
21	MP3A	Mx	.006	.13
22	MP3A	X	-7.71	4.13
23	MP3A	Z	0	4.13
24	MP3A	Mx	.006	4.13
25	MP3B	X	-8.375	.13
26	MP3B	Z	0	.13
27	MP3B	Mx	-.008	.13
28	MP3B	X	-8.375	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	0	4.13
30	MP3B	Mx	-.008	4.13
31	MP3C	X	-9.705	.13
32	MP3C	Z	0	.13
33	MP3C	Mx	.002	.13
34	MP3C	X	-9.705	4.13
35	MP3C	Z	0	4.13
36	MP3C	Mx	.002	4.13
37	MP2A	X	-1.933	1.13
38	MP2A	Z	0	1.13
39	MP2A	Mx	.001	1.13
40	MP2A	X	-1.933	3.13
41	MP2A	Z	0	3.13
42	MP2A	Mx	.001	3.13
43	MP2B	X	-2.685	1.13
44	MP2B	Z	0	1.13
45	MP2B	Mx	-.002	1.13
46	MP2B	X	-2.685	3.13
47	MP2B	Z	0	3.13
48	MP2B	Mx	-.002	3.13
49	MP2C	X	-4.187	1.13
50	MP2C	Z	0	1.13
51	MP2C	Mx	-.002	1.13
52	MP2C	X	-4.187	3.13
53	MP2C	Z	0	3.13
54	MP2C	Mx	-.002	3.13
55	OVP	X	-5.945	1
56	OVP	Z	0	1
57	OVP	Mx	0	1
58	MP4A	X	-2.627	2
59	MP4A	Z	0	2
60	MP4A	Mx	-.000219	2
61	MP4B	X	-2.952	2
62	MP4B	Z	0	2
63	MP4B	Mx	.000213	2
64	MP4C	X	-3.604	2
65	MP4C	Z	0	2
66	MP4C	Mx	.00015	2
67	MP3A	X	-2.128	2
68	MP3A	Z	0	2
69	MP3A	Mx	-.001	2
70	MP3B	X	-2.578	2
71	MP3B	Z	0	2
72	MP3B	Mx	.001	2
73	MP3C	X	-3.479	2
74	MP3C	Z	0	2
75	MP3C	Mx	.00087	2
76	MP1A	X	-3.485	1.13
77	MP1A	Z	0	1.13
78	MP1A	Mx	.002	1.13
79	MP1A	X	-3.485	3.13
80	MP1A	Z	0	3.13
81	MP1A	Mx	.002	3.13
82	MP1B	X	-5.516	1.13
83	MP1B	Z	0	1.13
84	MP1B	Mx	0	1.13
85	MP1B	X	-5.516	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1B	Z	0	3.13
87	MP1B	Mx	0	3.13
88	MP1C	X	-3.485	1.13
89	MP1C	Z	0	1.13
90	MP1C	Mx	-.002	1.13
91	MP1C	X	-3.485	3.13
92	MP1C	Z	0	3.13
93	MP1C	Mx	-.002	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.253	.13
2	MP3A	Z	-4.188	.13
3	MP3A	Mx	.003	.13
4	MP3A	X	-7.253	4.13
5	MP3A	Z	-4.188	4.13
6	MP3A	Mx	.003	4.13
7	MP3B	X	-8.405	.13
8	MP3B	Z	-4.853	.13
9	MP3B	Mx	.002	.13
10	MP3B	X	-8.405	4.13
11	MP3B	Z	-4.853	4.13
12	MP3B	Mx	.002	4.13
13	MP3C	X	-7.253	.13
14	MP3C	Z	-4.188	.13
15	MP3C	Mx	-.008	.13
16	MP3C	X	-7.253	4.13
17	MP3C	Z	-4.188	4.13
18	MP3C	Mx	-.008	4.13
19	MP3A	X	-7.253	.13
20	MP3A	Z	-4.188	.13
21	MP3A	Mx	.008	.13
22	MP3A	X	-7.253	4.13
23	MP3A	Z	-4.188	4.13
24	MP3A	Mx	.008	4.13
25	MP3B	X	-8.405	.13
26	MP3B	Z	-4.853	.13
27	MP3B	Mx	-.009	.13
28	MP3B	X	-8.405	4.13
29	MP3B	Z	-4.853	4.13
30	MP3B	Mx	-.009	4.13
31	MP3C	X	-7.253	.13
32	MP3C	Z	-4.188	.13
33	MP3C	Mx	-.003	.13
34	MP3C	X	-7.253	4.13
35	MP3C	Z	-4.188	4.13
36	MP3C	Mx	-.003	4.13
37	MP2A	X	-2.325	1.13
38	MP2A	Z	-1.342	1.13
39	MP2A	Mx	.002	1.13
40	MP2A	X	-2.325	3.13
41	MP2A	Z	-1.342	3.13
42	MP2A	Mx	.002	3.13
43	MP2B	X	-3.626	1.13
44	MP2B	Z	-2.094	1.13
45	MP2B	Mx	-.002	1.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	-3.626	3.13
47	MP2B	Z	-2.094	3.13
48	MP2B	Mx	-.002	3.13
49	MP2C	X	-2.325	1.13
50	MP2C	Z	-1.342	1.13
51	MP2C	Mx	-.002	1.13
52	MP2C	X	-2.325	3.13
53	MP2C	Z	-1.342	3.13
54	MP2C	Mx	-.002	3.13
55	OVP	X	-6.314	1
56	OVP	Z	-3.646	1
57	OVP	Mx	0	1
58	MP4A	X	-2.557	2
59	MP4A	Z	-1.476	2
60	MP4A	Mx	-.000213	2
61	MP4B	X	-3.121	2
62	MP4B	Z	-1.802	2
63	MP4B	Mx	.00015	2
64	MP4C	X	-2.557	2
65	MP4C	Z	-1.476	2
66	MP4C	Mx	.000213	2
67	MP3A	X	-2.233	2
68	MP3A	Z	-1.289	2
69	MP3A	Mx	-.001	2
70	MP3B	X	-3.013	2
71	MP3B	Z	-1.74	2
72	MP3B	Mx	.00087	2
73	MP3C	X	-2.233	2
74	MP3C	Z	-1.289	2
75	MP3C	Mx	.001	2
76	MP1A	X	-4.191	1.13
77	MP1A	Z	-2.42	1.13
78	MP1A	Mx	.002	1.13
79	MP1A	X	-4.191	3.13
80	MP1A	Z	-2.42	3.13
81	MP1A	Mx	.002	3.13
82	MP1B	X	-4.191	1.13
83	MP1B	Z	-2.42	1.13
84	MP1B	Mx	.002	1.13
85	MP1B	X	-4.191	3.13
86	MP1B	Z	-2.42	3.13
87	MP1B	Mx	.002	3.13
88	MP1C	X	-2.432	1.13
89	MP1C	Z	-1.404	1.13
90	MP1C	Mx	-.002	1.13
91	MP1C	X	-2.432	3.13
92	MP1C	Z	-1.404	3.13
93	MP1C	Mx	-.002	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.853	.13
2	MP3A	Z	-8.405	.13
3	MP3A	Mx	-.002	.13
4	MP3A	X	-4.853	4.13
5	MP3A	Z	-8.405	4.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3A	Mx	-.002	4.13
7	MP3B	X	-5.185	.13
8	MP3B	Z	-8.981	.13
9	MP3B	Mx	.007	.13
10	MP3B	X	-5.185	4.13
11	MP3B	Z	-8.981	4.13
12	MP3B	Mx	.007	4.13
13	MP3C	X	-3.855	.13
14	MP3C	Z	-6.677	.13
15	MP3C	Mx	-.006	.13
16	MP3C	X	-3.855	4.13
17	MP3C	Z	-6.677	4.13
18	MP3C	Mx	-.006	4.13
19	MP3A	X	-4.853	.13
20	MP3A	Z	-8.405	.13
21	MP3A	Mx	.009	.13
22	MP3A	X	-4.853	4.13
23	MP3A	Z	-8.405	4.13
24	MP3A	Mx	.009	4.13
25	MP3B	X	-5.185	.13
26	MP3B	Z	-8.981	.13
27	MP3B	Mx	-.007	.13
28	MP3B	X	-5.185	4.13
29	MP3B	Z	-8.981	4.13
30	MP3B	Mx	-.007	4.13
31	MP3C	X	-3.855	.13
32	MP3C	Z	-6.677	.13
33	MP3C	Mx	-.006	.13
34	MP3C	X	-3.855	4.13
35	MP3C	Z	-6.677	4.13
36	MP3C	Mx	-.006	4.13
37	MP2A	X	-2.094	1.13
38	MP2A	Z	-3.626	1.13
39	MP2A	Mx	.002	1.13
40	MP2A	X	-2.094	3.13
41	MP2A	Z	-3.626	3.13
42	MP2A	Mx	.002	3.13
43	MP2B	X	-2.469	1.13
44	MP2B	Z	-4.277	1.13
45	MP2B	Mx	0	1.13
46	MP2B	X	-2.469	3.13
47	MP2B	Z	-4.277	3.13
48	MP2B	Mx	0	3.13
49	MP2C	X	-.967	1.13
50	MP2C	Z	-1.674	1.13
51	MP2C	Mx	-.001	1.13
52	MP2C	X	-.967	3.13
53	MP2C	Z	-1.674	3.13
54	MP2C	Mx	-.001	3.13
55	OVP	X	-3.982	1
56	OVP	Z	-6.897	1
57	OVP	Mx	0	1
58	MP4A	X	-1.802	2
59	MP4A	Z	-3.121	2
60	MP4A	Mx	-.00015	2
61	MP4B	X	-1.965	2
62	MP4B	Z	-3.403	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4B	Mx	0	2
64	MP4C	X	-1.313	2
65	MP4C	Z	-2.275	2
66	MP4C	Mx	.000219	2
67	MP3A	X	-1.74	2
68	MP3A	Z	-3.013	2
69	MP3A	Mx	-.00087	2
70	MP3B	X	-1.965	2
71	MP3B	Z	-3.403	2
72	MP3B	Mx	0	2
73	MP3C	X	-1.064	2
74	MP3C	Z	-1.843	2
75	MP3C	Mx	.001	2
76	MP1A	X	-2.758	1.13
77	MP1A	Z	-4.777	1.13
78	MP1A	Mx	0	1.13
79	MP1A	X	-2.758	3.13
80	MP1A	Z	-4.777	3.13
81	MP1A	Mx	0	3.13
82	MP1B	X	-1.742	1.13
83	MP1B	Z	-3.018	1.13
84	MP1B	Mx	.002	1.13
85	MP1B	X	-1.742	3.13
86	MP1B	Z	-3.018	3.13
87	MP1B	Mx	.002	3.13
88	MP1C	X	-1.742	1.13
89	MP1C	Z	-3.018	1.13
90	MP1C	Mx	-.002	1.13
91	MP1C	X	-1.742	3.13
92	MP1C	Z	-3.018	3.13
93	MP1C	Mx	-.002	3.13

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%21

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%76

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-6.53	-6.53	0	%100
2	M4	Y	-9.559	-9.559	0	%100
3	M10	Y	-9.559	-9.559	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,%]
4	M43	Y	-9.559	-9.559	0	%100
5	M46	Y	-10.07	-10.07	0	%100
6	M51B	Y	-5.587	-5.587	0	%100
7	M52B	Y	-5.587	-5.587	0	%100
8	M76	Y	-10.058	-10.058	0	%100
9	M77	Y	-10.058	-10.058	0	%100
10	M80	Y	-10.07	-10.07	0	%100
11	M84	Y	-10.058	-10.058	0	%100
12	M85	Y	-10.058	-10.058	0	%100
13	M91	Y	-10.07	-10.07	0	%100
14	M26	Y	-9.559	-9.559	0	%100
15	M27	Y	-9.559	-9.559	0	%100
16	M28	Y	-9.559	-9.559	0	%100
17	M29	Y	-10.07	-10.07	0	%100
18	M32	Y	-5.587	-5.587	0	%100
19	M33	Y	-5.587	-5.587	0	%100
20	M37	Y	-10.058	-10.058	0	%100
21	M38	Y	-10.058	-10.058	0	%100
22	M40	Y	-10.07	-10.07	0	%100
23	M42	Y	-10.058	-10.058	0	%100
24	M43A	Y	-10.058	-10.058	0	%100
25	M45	Y	-10.07	-10.07	0	%100
26	M50A	Y	-9.559	-9.559	0	%100
27	M51C	Y	-9.559	-9.559	0	%100
28	M52A	Y	-9.559	-9.559	0	%100
29	M53	Y	-10.07	-10.07	0	%100
30	M56	Y	-5.587	-5.587	0	%100
31	M57	Y	-5.587	-5.587	0	%100
32	M61	Y	-10.058	-10.058	0	%100
33	M62	Y	-10.058	-10.058	0	%100
34	M64	Y	-10.07	-10.07	0	%100
35	M66	Y	-10.058	-10.058	0	%100
36	M67	Y	-10.058	-10.058	0	%100
37	M69	Y	-10.07	-10.07	0	%100
38	M74	Y	-6.53	-6.53	0	%100
39	M75	Y	-6.53	-6.53	0	%100
40	MP4A	Y	-4.95	-4.95	0	%100
41	MP3A	Y	-5.652	-5.652	0	%100
42	MP2A	Y	-4.95	-4.95	0	%100
43	MP1A	Y	-4.95	-4.95	0	%100
44	MP4C	Y	-4.95	-4.95	0	%100
45	MP3C	Y	-5.652	-5.652	0	%100
46	MP2C	Y	-4.95	-4.95	0	%100
47	MP1C	Y	-4.95	-4.95	0	%100
48	MP4B	Y	-4.95	-4.95	0	%100
49	MP3B	Y	-5.652	-5.652	0	%100
50	MP2B	Y	-4.95	-4.95	0	%100
51	MP1B	Y	-4.95	-4.95	0	%100
52	OVP	Y	-4.95	-4.95	0	%100
53	M107	Y	-5.652	-5.652	0	%100
54	M115A	Y	-5.652	-5.652	0	%100
55	M116A	Y	-5.652	-5.652	0	%100
56	M123	Y	-7.573	-7.573	0	%100
57	M124	Y	-7.573	-7.573	0	%100
58	M125	Y	-7.573	-7.573	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-11.768	-11.768	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-10.114	-10.114	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	-10.114	-10.114	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	-20.174	-20.174	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	-2.801	-2.801	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	-2.801	-2.801	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	-5.137	-5.137	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	-5.41	-5.41	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-5.137	-5.137	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-5.41	-5.41	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-8.965	-8.965	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-2.529	-2.529	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-2.529	-2.529	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-5.043	-5.043	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-2.801	-2.801	0	%100
37	M33	X	0	0	0	%100
38	M33	Z	-11.202	-11.202	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-15.13	-15.13	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	-5.137	-5.137	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-5.41	-5.41	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-15.13	-15.13	0	%100
47	M43A	X	0	0	0	%100
48	M43A	Z	-20.547	-20.547	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-21.642	-21.642	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-8.965	-8.965	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-2.529	-2.529	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-2.529	-2.529	0	%100
57	M53	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,%]
58	M53	Z	-5.043	-5.043	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-11.202	-11.202	0	%100
61	M57	X	0	0	0	%100
62	M57	Z	-2.801	-2.801	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-15.13	-15.13	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	-20.547	-20.547	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	-21.642	-21.642	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-15.13	-15.13	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	-5.137	-5.137	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	-5.41	-5.41	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-2.942	-2.942	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-2.942	-2.942	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-7.985	-7.985	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	-9.667	-9.667	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-7.985	-7.985	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-7.985	-7.985	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-7.985	-7.985	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-9.667	-9.667	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-7.985	-7.985	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-7.985	-7.985	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-7.985	-7.985	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-9.667	-9.667	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-7.985	-7.985	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-7.985	-7.985	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	-7.277	-7.277	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	-9.667	-9.667	0	%100
107	M115A	X	0	0	0	%100
108	M115A	Z	-2.417	-2.417	0	%100
109	M116A	X	0	0	0	%100
110	M116A	Z	-2.417	-2.417	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-2.872	-2.872	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-11.49	-11.49	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,%]
115	M125	X	0	0	0	%100
116	M125	Z	-2.872	-2.872	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.413	4.413	0	%100
2	M1	Z	-7.643	-7.643	0	%100
3	M4	X	1.494	1.494	0	%100
4	M4	Z	-2.588	-2.588	0	%100
5	M10	X	3.793	3.793	0	%100
6	M10	Z	-6.569	-6.569	0	%100
7	M43	X	3.793	3.793	0	%100
8	M43	Z	-6.569	-6.569	0	%100
9	M46	X	7.565	7.565	0	%100
10	M46	Z	-13.103	-13.103	0	%100
11	M51B	X	4.201	4.201	0	%100
12	M51B	Z	-7.276	-7.276	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	2.522	2.522	0	%100
16	M76	Z	-4.368	-4.368	0	%100
17	M77	X	7.705	7.705	0	%100
18	M77	Z	-13.346	-13.346	0	%100
19	M80	X	8.116	8.116	0	%100
20	M80	Z	-14.057	-14.057	0	%100
21	M84	X	2.522	2.522	0	%100
22	M84	Z	-4.368	-4.368	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M26	X	1.494	1.494	0	%100
28	M26	Z	-2.588	-2.588	0	%100
29	M27	X	3.793	3.793	0	%100
30	M27	Z	-6.569	-6.569	0	%100
31	M28	X	3.793	3.793	0	%100
32	M28	Z	-6.569	-6.569	0	%100
33	M29	X	7.565	7.565	0	%100
34	M29	Z	-13.103	-13.103	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M33	X	4.201	4.201	0	%100
38	M33	Z	-7.276	-7.276	0	%100
39	M37	X	2.522	2.522	0	%100
40	M37	Z	-4.368	-4.368	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	2.522	2.522	0	%100
46	M42	Z	-4.368	-4.368	0	%100
47	M43A	X	7.705	7.705	0	%100
48	M43A	Z	-13.346	-13.346	0	%100
49	M45	X	8.116	8.116	0	%100
50	M45	Z	-14.057	-14.057	0	%100
51	M50A	X	5.976	5.976	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,%]
52	M50A	Z	-10.351	-10.351	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M56	X	4.201	4.201	0	%100
60	M56	Z	-7.276	-7.276	0	%100
61	M57	X	4.201	4.201	0	%100
62	M57	Z	-7.276	-7.276	0	%100
63	M61	X	10.087	10.087	0	%100
64	M61	Z	-17.471	-17.471	0	%100
65	M62	X	7.705	7.705	0	%100
66	M62	Z	-13.346	-13.346	0	%100
67	M64	X	8.116	8.116	0	%100
68	M64	Z	-14.057	-14.057	0	%100
69	M66	X	10.087	10.087	0	%100
70	M66	Z	-17.471	-17.471	0	%100
71	M67	X	7.705	7.705	0	%100
72	M67	Z	-13.346	-13.346	0	%100
73	M69	X	8.116	8.116	0	%100
74	M69	Z	-14.057	-14.057	0	%100
75	M74	X	4.413	4.413	0	%100
76	M74	Z	-7.643	-7.643	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP4A	X	3.993	3.993	0	%100
80	MP4A	Z	-6.916	-6.916	0	%100
81	MP3A	X	4.833	4.833	0	%100
82	MP3A	Z	-8.371	-8.371	0	%100
83	MP2A	X	3.993	3.993	0	%100
84	MP2A	Z	-6.916	-6.916	0	%100
85	MP1A	X	3.993	3.993	0	%100
86	MP1A	Z	-6.916	-6.916	0	%100
87	MP4C	X	3.993	3.993	0	%100
88	MP4C	Z	-6.916	-6.916	0	%100
89	MP3C	X	4.833	4.833	0	%100
90	MP3C	Z	-8.371	-8.371	0	%100
91	MP2C	X	3.993	3.993	0	%100
92	MP2C	Z	-6.916	-6.916	0	%100
93	MP1C	X	3.993	3.993	0	%100
94	MP1C	Z	-6.916	-6.916	0	%100
95	MP4B	X	3.993	3.993	0	%100
96	MP4B	Z	-6.916	-6.916	0	%100
97	MP3B	X	4.833	4.833	0	%100
98	MP3B	Z	-8.371	-8.371	0	%100
99	MP2B	X	3.993	3.993	0	%100
100	MP2B	Z	-6.916	-6.916	0	%100
101	MP1B	X	3.993	3.993	0	%100
102	MP1B	Z	-6.916	-6.916	0	%100
103	OVP	X	3.639	3.639	0	%100
104	OVP	Z	-6.302	-6.302	0	%100
105	M107	X	3.625	3.625	0	%100
106	M107	Z	-6.279	-6.279	0	%100
107	M115A	X	3.625	3.625	0	%100
108	M115A	Z	-6.279	-6.279	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,%]
109	M116A	X	0	0	0	%100
110	M116A	Z	0	0	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	4.309	4.309	0	%100
114	M124	Z	-7.463	-7.463	0	%100
115	M125	X	4.309	4.309	0	%100
116	M125	Z	-7.463	-7.463	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.548	2.548	0	%100
2	M1	Z	-1.471	-1.471	0	%100
3	M4	X	7.764	7.764	0	%100
4	M4	Z	-4.482	-4.482	0	%100
5	M10	X	2.19	2.19	0	%100
6	M10	Z	-1.264	-1.264	0	%100
7	M43	X	2.19	2.19	0	%100
8	M43	Z	-1.264	-1.264	0	%100
9	M46	X	4.368	4.368	0	%100
10	M46	Z	-2.522	-2.522	0	%100
11	M51B	X	9.701	9.701	0	%100
12	M51B	Z	-5.601	-5.601	0	%100
13	M52B	X	2.425	2.425	0	%100
14	M52B	Z	-1.4	-1.4	0	%100
15	M76	X	13.103	13.103	0	%100
16	M76	Z	-7.565	-7.565	0	%100
17	M77	X	17.794	17.794	0	%100
18	M77	Z	-10.274	-10.274	0	%100
19	M80	X	18.742	18.742	0	%100
20	M80	Z	-10.821	-10.821	0	%100
21	M84	X	13.103	13.103	0	%100
22	M84	Z	-7.565	-7.565	0	%100
23	M85	X	4.449	4.449	0	%100
24	M85	Z	-2.568	-2.568	0	%100
25	M91	X	4.686	4.686	0	%100
26	M91	Z	-2.705	-2.705	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	8.759	8.759	0	%100
30	M27	Z	-5.057	-5.057	0	%100
31	M28	X	8.759	8.759	0	%100
32	M28	Z	-5.057	-5.057	0	%100
33	M29	X	17.471	17.471	0	%100
34	M29	Z	-10.087	-10.087	0	%100
35	M32	X	2.425	2.425	0	%100
36	M32	Z	-1.4	-1.4	0	%100
37	M33	X	2.425	2.425	0	%100
38	M33	Z	-1.4	-1.4	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	4.449	4.449	0	%100
42	M38	Z	-2.568	-2.568	0	%100
43	M40	X	4.686	4.686	0	%100
44	M40	Z	-2.705	-2.705	0	%100
45	M42	X	0	0	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,%]
46	M42	Z	0	0	0	%100
47	M43A	X	4.449	4.449	0	%100
48	M43A	Z	-2.568	-2.568	0	%100
49	M45	X	4.686	4.686	0	%100
50	M45	Z	-2.705	-2.705	0	%100
51	M50A	X	7.764	7.764	0	%100
52	M50A	Z	-4.482	-4.482	0	%100
53	M51C	X	2.19	2.19	0	%100
54	M51C	Z	-1.264	-1.264	0	%100
55	M52A	X	2.19	2.19	0	%100
56	M52A	Z	-1.264	-1.264	0	%100
57	M53	X	4.368	4.368	0	%100
58	M53	Z	-2.522	-2.522	0	%100
59	M56	X	2.425	2.425	0	%100
60	M56	Z	-1.4	-1.4	0	%100
61	M57	X	9.701	9.701	0	%100
62	M57	Z	-5.601	-5.601	0	%100
63	M61	X	13.103	13.103	0	%100
64	M61	Z	-7.565	-7.565	0	%100
65	M62	X	4.449	4.449	0	%100
66	M62	Z	-2.568	-2.568	0	%100
67	M64	X	4.686	4.686	0	%100
68	M64	Z	-2.705	-2.705	0	%100
69	M66	X	13.103	13.103	0	%100
70	M66	Z	-7.565	-7.565	0	%100
71	M67	X	17.794	17.794	0	%100
72	M67	Z	-10.274	-10.274	0	%100
73	M69	X	18.742	18.742	0	%100
74	M69	Z	-10.821	-10.821	0	%100
75	M74	X	10.191	10.191	0	%100
76	M74	Z	-5.884	-5.884	0	%100
77	M75	X	2.548	2.548	0	%100
78	M75	Z	-1.471	-1.471	0	%100
79	MP4A	X	6.916	6.916	0	%100
80	MP4A	Z	-3.993	-3.993	0	%100
81	MP3A	X	8.371	8.371	0	%100
82	MP3A	Z	-4.833	-4.833	0	%100
83	MP2A	X	6.916	6.916	0	%100
84	MP2A	Z	-3.993	-3.993	0	%100
85	MP1A	X	6.916	6.916	0	%100
86	MP1A	Z	-3.993	-3.993	0	%100
87	MP4C	X	6.916	6.916	0	%100
88	MP4C	Z	-3.993	-3.993	0	%100
89	MP3C	X	8.371	8.371	0	%100
90	MP3C	Z	-4.833	-4.833	0	%100
91	MP2C	X	6.916	6.916	0	%100
92	MP2C	Z	-3.993	-3.993	0	%100
93	MP1C	X	6.916	6.916	0	%100
94	MP1C	Z	-3.993	-3.993	0	%100
95	MP4B	X	6.916	6.916	0	%100
96	MP4B	Z	-3.993	-3.993	0	%100
97	MP3B	X	8.371	8.371	0	%100
98	MP3B	Z	-4.833	-4.833	0	%100
99	MP2B	X	6.916	6.916	0	%100
100	MP2B	Z	-3.993	-3.993	0	%100
101	MP1B	X	6.916	6.916	0	%100
102	MP1B	Z	-3.993	-3.993	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,%]
103	OVP	X	6.302	6.302	0	%100
104	OVP	Z	-3.639	-3.639	0	%100
105	M107	X	2.093	2.093	0	%100
106	M107	Z	-1.208	-1.208	0	%100
107	M115A	X	8.371	8.371	0	%100
108	M115A	Z	-4.833	-4.833	0	%100
109	M116A	X	2.093	2.093	0	%100
110	M116A	Z	-1.208	-1.208	0	%100
111	M123	X	2.488	2.488	0	%100
112	M123	Z	-1.436	-1.436	0	%100
113	M124	X	2.488	2.488	0	%100
114	M124	Z	-1.436	-1.436	0	%100
115	M125	X	9.951	9.951	0	%100
116	M125	Z	-5.745	-5.745	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	11.953	11.953	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	8.402	8.402	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	8.402	8.402	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	20.174	20.174	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	15.41	15.41	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	16.231	16.231	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	20.174	20.174	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	15.41	15.41	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	16.231	16.231	0	%100
26	M91	Z	0	0	0	%100
27	M26	X	2.988	2.988	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	7.586	7.586	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	7.586	7.586	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	15.13	15.13	0	%100
34	M29	Z	0	0	0	%100
35	M32	X	8.402	8.402	0	%100
36	M32	Z	0	0	0	%100
37	M33	X	0	0	0	%100
38	M33	Z	0	0	0	%100
39	M37	X	5.043	5.043	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,%]
40	M37	Z	0	0	0	%100
41	M38	X	15.41	15.41	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	16.231	16.231	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	5.043	5.043	0	%100
46	M42	Z	0	0	0	%100
47	M43A	X	0	0	0	%100
48	M43A	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M50A	X	2.988	2.988	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	7.586	7.586	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	7.586	7.586	0	%100
56	M52A	Z	0	0	0	%100
57	M53	X	15.13	15.13	0	%100
58	M53	Z	0	0	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M57	X	8.402	8.402	0	%100
62	M57	Z	0	0	0	%100
63	M61	X	5.043	5.043	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M66	X	5.043	5.043	0	%100
70	M66	Z	0	0	0	%100
71	M67	X	15.41	15.41	0	%100
72	M67	Z	0	0	0	%100
73	M69	X	16.231	16.231	0	%100
74	M69	Z	0	0	0	%100
75	M74	X	8.826	8.826	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	8.826	8.826	0	%100
78	M75	Z	0	0	0	%100
79	MP4A	X	7.985	7.985	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	9.667	9.667	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	7.985	7.985	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	7.985	7.985	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	7.985	7.985	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	9.667	9.667	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	7.985	7.985	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	7.985	7.985	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	7.985	7.985	0	%100
96	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP3B	X	9.667	9.667	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	7.985	7.985	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	7.985	7.985	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	7.277	7.277	0	%100
104	OVP	Z	0	0	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	0	0	0	%100
107	M115A	X	7.25	7.25	0	%100
108	M115A	Z	0	0	0	%100
109	M116A	X	7.25	7.25	0	%100
110	M116A	Z	0	0	0	%100
111	M123	X	8.617	8.617	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	8.617	8.617	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.548	2.548	0	%100
2	M1	Z	1.471	1.471	0	%100
3	M4	X	7.764	7.764	0	%100
4	M4	Z	4.482	4.482	0	%100
5	M10	X	2.19	2.19	0	%100
6	M10	Z	1.264	1.264	0	%100
7	M43	X	2.19	2.19	0	%100
8	M43	Z	1.264	1.264	0	%100
9	M46	X	4.368	4.368	0	%100
10	M46	Z	2.522	2.522	0	%100
11	M51B	X	2.425	2.425	0	%100
12	M51B	Z	1.4	1.4	0	%100
13	M52B	X	9.701	9.701	0	%100
14	M52B	Z	5.601	5.601	0	%100
15	M76	X	13.103	13.103	0	%100
16	M76	Z	7.565	7.565	0	%100
17	M77	X	4.449	4.449	0	%100
18	M77	Z	2.568	2.568	0	%100
19	M80	X	4.686	4.686	0	%100
20	M80	Z	2.705	2.705	0	%100
21	M84	X	13.103	13.103	0	%100
22	M84	Z	7.565	7.565	0	%100
23	M85	X	17.794	17.794	0	%100
24	M85	Z	10.274	10.274	0	%100
25	M91	X	18.742	18.742	0	%100
26	M91	Z	10.821	10.821	0	%100
27	M26	X	7.764	7.764	0	%100
28	M26	Z	4.482	4.482	0	%100
29	M27	X	2.19	2.19	0	%100
30	M27	Z	1.264	1.264	0	%100
31	M28	X	2.19	2.19	0	%100
32	M28	Z	1.264	1.264	0	%100
33	M29	X	4.368	4.368	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,%]
34	M29	Z	2.522	2.522	0	%100
35	M32	X	9.701	9.701	0	%100
36	M32	Z	5.601	5.601	0	%100
37	M33	X	2.425	2.425	0	%100
38	M33	Z	1.4	1.4	0	%100
39	M37	X	13.103	13.103	0	%100
40	M37	Z	7.565	7.565	0	%100
41	M38	X	17.794	17.794	0	%100
42	M38	Z	10.274	10.274	0	%100
43	M40	X	18.742	18.742	0	%100
44	M40	Z	10.821	10.821	0	%100
45	M42	X	13.103	13.103	0	%100
46	M42	Z	7.565	7.565	0	%100
47	M43A	X	4.449	4.449	0	%100
48	M43A	Z	2.568	2.568	0	%100
49	M45	X	4.686	4.686	0	%100
50	M45	Z	2.705	2.705	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	8.759	8.759	0	%100
54	M51C	Z	5.057	5.057	0	%100
55	M52A	X	8.759	8.759	0	%100
56	M52A	Z	5.057	5.057	0	%100
57	M53	X	17.471	17.471	0	%100
58	M53	Z	10.087	10.087	0	%100
59	M56	X	2.425	2.425	0	%100
60	M56	Z	1.4	1.4	0	%100
61	M57	X	2.425	2.425	0	%100
62	M57	Z	1.4	1.4	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	4.449	4.449	0	%100
66	M62	Z	2.568	2.568	0	%100
67	M64	X	4.686	4.686	0	%100
68	M64	Z	2.705	2.705	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M67	X	4.449	4.449	0	%100
72	M67	Z	2.568	2.568	0	%100
73	M69	X	4.686	4.686	0	%100
74	M69	Z	2.705	2.705	0	%100
75	M74	X	2.548	2.548	0	%100
76	M74	Z	1.471	1.471	0	%100
77	M75	X	10.191	10.191	0	%100
78	M75	Z	5.884	5.884	0	%100
79	MP4A	X	6.916	6.916	0	%100
80	MP4A	Z	3.993	3.993	0	%100
81	MP3A	X	8.371	8.371	0	%100
82	MP3A	Z	4.833	4.833	0	%100
83	MP2A	X	6.916	6.916	0	%100
84	MP2A	Z	3.993	3.993	0	%100
85	MP1A	X	6.916	6.916	0	%100
86	MP1A	Z	3.993	3.993	0	%100
87	MP4C	X	6.916	6.916	0	%100
88	MP4C	Z	3.993	3.993	0	%100
89	MP3C	X	8.371	8.371	0	%100
90	MP3C	Z	4.833	4.833	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,%]
91	MP2C	X	6.916	6.916	0	%100
92	MP2C	Z	3.993	3.993	0	%100
93	MP1C	X	6.916	6.916	0	%100
94	MP1C	Z	3.993	3.993	0	%100
95	MP4B	X	6.916	6.916	0	%100
96	MP4B	Z	3.993	3.993	0	%100
97	MP3B	X	8.371	8.371	0	%100
98	MP3B	Z	4.833	4.833	0	%100
99	MP2B	X	6.916	6.916	0	%100
100	MP2B	Z	3.993	3.993	0	%100
101	MP1B	X	6.916	6.916	0	%100
102	MP1B	Z	3.993	3.993	0	%100
103	OVP	X	6.302	6.302	0	%100
104	OVP	Z	3.639	3.639	0	%100
105	M107	X	2.093	2.093	0	%100
106	M107	Z	1.208	1.208	0	%100
107	M115A	X	2.093	2.093	0	%100
108	M115A	Z	1.208	1.208	0	%100
109	M116A	X	8.371	8.371	0	%100
110	M116A	Z	4.833	4.833	0	%100
111	M123	X	9.951	9.951	0	%100
112	M123	Z	5.745	5.745	0	%100
113	M124	X	2.488	2.488	0	%100
114	M124	Z	1.436	1.436	0	%100
115	M125	X	2.488	2.488	0	%100
116	M125	Z	1.436	1.436	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.413	4.413	0	%100
2	M1	Z	7.643	7.643	0	%100
3	M4	X	1.494	1.494	0	%100
4	M4	Z	2.588	2.588	0	%100
5	M10	X	3.793	3.793	0	%100
6	M10	Z	6.569	6.569	0	%100
7	M43	X	3.793	3.793	0	%100
8	M43	Z	6.569	6.569	0	%100
9	M46	X	7.565	7.565	0	%100
10	M46	Z	13.103	13.103	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	4.201	4.201	0	%100
14	M52B	Z	7.276	7.276	0	%100
15	M76	X	2.522	2.522	0	%100
16	M76	Z	4.368	4.368	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	2.522	2.522	0	%100
22	M84	Z	4.368	4.368	0	%100
23	M85	X	7.705	7.705	0	%100
24	M85	Z	13.346	13.346	0	%100
25	M91	X	8.116	8.116	0	%100
26	M91	Z	14.057	14.057	0	%100
27	M26	X	5.976	5.976	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,%]
28	M26	Z	10.351	10.351	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M32	X	4.201	4.201	0	%100
36	M32	Z	7.276	7.276	0	%100
37	M33	X	4.201	4.201	0	%100
38	M33	Z	7.276	7.276	0	%100
39	M37	X	10.087	10.087	0	%100
40	M37	Z	17.471	17.471	0	%100
41	M38	X	7.705	7.705	0	%100
42	M38	Z	13.346	13.346	0	%100
43	M40	X	8.116	8.116	0	%100
44	M40	Z	14.057	14.057	0	%100
45	M42	X	10.087	10.087	0	%100
46	M42	Z	17.471	17.471	0	%100
47	M43A	X	7.705	7.705	0	%100
48	M43A	Z	13.346	13.346	0	%100
49	M45	X	8.116	8.116	0	%100
50	M45	Z	14.057	14.057	0	%100
51	M50A	X	1.494	1.494	0	%100
52	M50A	Z	2.588	2.588	0	%100
53	M51C	X	3.793	3.793	0	%100
54	M51C	Z	6.569	6.569	0	%100
55	M52A	X	3.793	3.793	0	%100
56	M52A	Z	6.569	6.569	0	%100
57	M53	X	7.565	7.565	0	%100
58	M53	Z	13.103	13.103	0	%100
59	M56	X	4.201	4.201	0	%100
60	M56	Z	7.276	7.276	0	%100
61	M57	X	0	0	0	%100
62	M57	Z	0	0	0	%100
63	M61	X	2.522	2.522	0	%100
64	M61	Z	4.368	4.368	0	%100
65	M62	X	7.705	7.705	0	%100
66	M62	Z	13.346	13.346	0	%100
67	M64	X	8.116	8.116	0	%100
68	M64	Z	14.057	14.057	0	%100
69	M66	X	2.522	2.522	0	%100
70	M66	Z	4.368	4.368	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	0	0	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	0	0	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	4.413	4.413	0	%100
78	M75	Z	7.643	7.643	0	%100
79	MP4A	X	3.993	3.993	0	%100
80	MP4A	Z	6.916	6.916	0	%100
81	MP3A	X	4.833	4.833	0	%100
82	MP3A	Z	8.371	8.371	0	%100
83	MP2A	X	3.993	3.993	0	%100
84	MP2A	Z	6.916	6.916	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,%]
85	MP1A	X	3.993	3.993	0	%100
86	MP1A	Z	6.916	6.916	0	%100
87	MP4C	X	3.993	3.993	0	%100
88	MP4C	Z	6.916	6.916	0	%100
89	MP3C	X	4.833	4.833	0	%100
90	MP3C	Z	8.371	8.371	0	%100
91	MP2C	X	3.993	3.993	0	%100
92	MP2C	Z	6.916	6.916	0	%100
93	MP1C	X	3.993	3.993	0	%100
94	MP1C	Z	6.916	6.916	0	%100
95	MP4B	X	3.993	3.993	0	%100
96	MP4B	Z	6.916	6.916	0	%100
97	MP3B	X	4.833	4.833	0	%100
98	MP3B	Z	8.371	8.371	0	%100
99	MP2B	X	3.993	3.993	0	%100
100	MP2B	Z	6.916	6.916	0	%100
101	MP1B	X	3.993	3.993	0	%100
102	MP1B	Z	6.916	6.916	0	%100
103	OVP	X	3.639	3.639	0	%100
104	OVP	Z	6.302	6.302	0	%100
105	M107	X	3.625	3.625	0	%100
106	M107	Z	6.279	6.279	0	%100
107	M115A	X	0	0	0	%100
108	M115A	Z	0	0	0	%100
109	M116A	X	3.625	3.625	0	%100
110	M116A	Z	6.279	6.279	0	%100
111	M123	X	4.309	4.309	0	%100
112	M123	Z	7.463	7.463	0	%100
113	M124	X	4.309	4.309	0	%100
114	M124	Z	7.463	7.463	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	11.768	11.768	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	10.114	10.114	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	10.114	10.114	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	20.174	20.174	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	2.801	2.801	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	2.801	2.801	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	5.137	5.137	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	5.41	5.41	0	%100
21	M84	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,%]
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	5.137	5.137	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	5.41	5.41	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	8.965	8.965	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	2.529	2.529	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	2.529	2.529	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	5.043	5.043	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	2.801	2.801	0	%100
37	M33	X	0	0	0	%100
38	M33	Z	11.202	11.202	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	15.13	15.13	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	5.137	5.137	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	5.41	5.41	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	15.13	15.13	0	%100
47	M43A	X	0	0	0	%100
48	M43A	Z	20.547	20.547	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	21.642	21.642	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	8.965	8.965	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	2.529	2.529	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	2.529	2.529	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	5.043	5.043	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	11.202	11.202	0	%100
61	M57	X	0	0	0	%100
62	M57	Z	2.801	2.801	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	15.13	15.13	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	20.547	20.547	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	21.642	21.642	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	15.13	15.13	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	5.137	5.137	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	5.41	5.41	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	2.942	2.942	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	2.942	2.942	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,%]
79	MP4A	X	0	0	0	%100
80	MP4A	Z	7.985	7.985	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	9.667	9.667	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	7.985	7.985	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	7.985	7.985	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	7.985	7.985	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	9.667	9.667	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	7.985	7.985	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	7.985	7.985	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	7.985	7.985	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	9.667	9.667	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	7.985	7.985	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	7.985	7.985	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	7.277	7.277	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	9.667	9.667	0	%100
107	M115A	X	0	0	0	%100
108	M115A	Z	2.417	2.417	0	%100
109	M116A	X	0	0	0	%100
110	M116A	Z	2.417	2.417	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	2.872	2.872	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	11.49	11.49	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	2.872	2.872	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.413	-4.413	0	%100
2	M1	Z	7.643	7.643	0	%100
3	M4	X	-1.494	-1.494	0	%100
4	M4	Z	2.588	2.588	0	%100
5	M10	X	-3.793	-3.793	0	%100
6	M10	Z	6.569	6.569	0	%100
7	M43	X	-3.793	-3.793	0	%100
8	M43	Z	6.569	6.569	0	%100
9	M46	X	-7.565	-7.565	0	%100
10	M46	Z	13.103	13.103	0	%100
11	M51B	X	-4.201	-4.201	0	%100
12	M51B	Z	7.276	7.276	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-2.522	-2.522	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M76	Z	4.368	4.368	0	%100
17	M77	X	-7.705	-7.705	0	%100
18	M77	Z	13.346	13.346	0	%100
19	M80	X	-8.116	-8.116	0	%100
20	M80	Z	14.057	14.057	0	%100
21	M84	X	-2.522	-2.522	0	%100
22	M84	Z	4.368	4.368	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M26	X	-1.494	-1.494	0	%100
28	M26	Z	2.588	2.588	0	%100
29	M27	X	-3.793	-3.793	0	%100
30	M27	Z	6.569	6.569	0	%100
31	M28	X	-3.793	-3.793	0	%100
32	M28	Z	6.569	6.569	0	%100
33	M29	X	-7.565	-7.565	0	%100
34	M29	Z	13.103	13.103	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M33	X	-4.201	-4.201	0	%100
38	M33	Z	7.276	7.276	0	%100
39	M37	X	-2.522	-2.522	0	%100
40	M37	Z	4.368	4.368	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	-2.522	-2.522	0	%100
46	M42	Z	4.368	4.368	0	%100
47	M43A	X	-7.705	-7.705	0	%100
48	M43A	Z	13.346	13.346	0	%100
49	M45	X	-8.116	-8.116	0	%100
50	M45	Z	14.057	14.057	0	%100
51	M50A	X	-5.976	-5.976	0	%100
52	M50A	Z	10.351	10.351	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M56	X	-4.201	-4.201	0	%100
60	M56	Z	7.276	7.276	0	%100
61	M57	X	-4.201	-4.201	0	%100
62	M57	Z	7.276	7.276	0	%100
63	M61	X	-10.087	-10.087	0	%100
64	M61	Z	17.471	17.471	0	%100
65	M62	X	-7.705	-7.705	0	%100
66	M62	Z	13.346	13.346	0	%100
67	M64	X	-8.116	-8.116	0	%100
68	M64	Z	14.057	14.057	0	%100
69	M66	X	-10.087	-10.087	0	%100
70	M66	Z	17.471	17.471	0	%100
71	M67	X	-7.705	-7.705	0	%100
72	M67	Z	13.346	13.346	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,%]
73	M69	X	-8.116	-8.116	0	%100
74	M69	Z	14.057	14.057	0	%100
75	M74	X	-4.413	-4.413	0	%100
76	M74	Z	7.643	7.643	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP4A	X	-3.993	-3.993	0	%100
80	MP4A	Z	6.916	6.916	0	%100
81	MP3A	X	-4.833	-4.833	0	%100
82	MP3A	Z	8.371	8.371	0	%100
83	MP2A	X	-3.993	-3.993	0	%100
84	MP2A	Z	6.916	6.916	0	%100
85	MP1A	X	-3.993	-3.993	0	%100
86	MP1A	Z	6.916	6.916	0	%100
87	MP4C	X	-3.993	-3.993	0	%100
88	MP4C	Z	6.916	6.916	0	%100
89	MP3C	X	-4.833	-4.833	0	%100
90	MP3C	Z	8.371	8.371	0	%100
91	MP2C	X	-3.993	-3.993	0	%100
92	MP2C	Z	6.916	6.916	0	%100
93	MP1C	X	-3.993	-3.993	0	%100
94	MP1C	Z	6.916	6.916	0	%100
95	MP4B	X	-3.993	-3.993	0	%100
96	MP4B	Z	6.916	6.916	0	%100
97	MP3B	X	-4.833	-4.833	0	%100
98	MP3B	Z	8.371	8.371	0	%100
99	MP2B	X	-3.993	-3.993	0	%100
100	MP2B	Z	6.916	6.916	0	%100
101	MP1B	X	-3.993	-3.993	0	%100
102	MP1B	Z	6.916	6.916	0	%100
103	OVP	X	-3.639	-3.639	0	%100
104	OVP	Z	6.302	6.302	0	%100
105	M107	X	-3.625	-3.625	0	%100
106	M107	Z	6.279	6.279	0	%100
107	M115A	X	-3.625	-3.625	0	%100
108	M115A	Z	6.279	6.279	0	%100
109	M116A	X	0	0	0	%100
110	M116A	Z	0	0	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-4.309	-4.309	0	%100
114	M124	Z	7.463	7.463	0	%100
115	M125	X	-4.309	-4.309	0	%100
116	M125	Z	7.463	7.463	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.548	-2.548	0	%100
2	M1	Z	1.471	1.471	0	%100
3	M4	X	-7.764	-7.764	0	%100
4	M4	Z	4.482	4.482	0	%100
5	M10	X	-2.19	-2.19	0	%100
6	M10	Z	1.264	1.264	0	%100
7	M43	X	-2.19	-2.19	0	%100
8	M43	Z	1.264	1.264	0	%100
9	M46	X	-4.368	-4.368	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,%]
10	M46	Z	2.522	2.522	0	%100
11	M51B	X	-9.701	-9.701	0	%100
12	M51B	Z	5.601	5.601	0	%100
13	M52B	X	-2.425	-2.425	0	%100
14	M52B	Z	1.4	1.4	0	%100
15	M76	X	-13.103	-13.103	0	%100
16	M76	Z	7.565	7.565	0	%100
17	M77	X	-17.794	-17.794	0	%100
18	M77	Z	10.274	10.274	0	%100
19	M80	X	-18.742	-18.742	0	%100
20	M80	Z	10.821	10.821	0	%100
21	M84	X	-13.103	-13.103	0	%100
22	M84	Z	7.565	7.565	0	%100
23	M85	X	-4.449	-4.449	0	%100
24	M85	Z	2.568	2.568	0	%100
25	M91	X	-4.686	-4.686	0	%100
26	M91	Z	2.705	2.705	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-8.759	-8.759	0	%100
30	M27	Z	5.057	5.057	0	%100
31	M28	X	-8.759	-8.759	0	%100
32	M28	Z	5.057	5.057	0	%100
33	M29	X	-17.471	-17.471	0	%100
34	M29	Z	10.087	10.087	0	%100
35	M32	X	-2.425	-2.425	0	%100
36	M32	Z	1.4	1.4	0	%100
37	M33	X	-2.425	-2.425	0	%100
38	M33	Z	1.4	1.4	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	-4.449	-4.449	0	%100
42	M38	Z	2.568	2.568	0	%100
43	M40	X	-4.686	-4.686	0	%100
44	M40	Z	2.705	2.705	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M43A	X	-4.449	-4.449	0	%100
48	M43A	Z	2.568	2.568	0	%100
49	M45	X	-4.686	-4.686	0	%100
50	M45	Z	2.705	2.705	0	%100
51	M50A	X	-7.764	-7.764	0	%100
52	M50A	Z	4.482	4.482	0	%100
53	M51C	X	-2.19	-2.19	0	%100
54	M51C	Z	1.264	1.264	0	%100
55	M52A	X	-2.19	-2.19	0	%100
56	M52A	Z	1.264	1.264	0	%100
57	M53	X	-4.368	-4.368	0	%100
58	M53	Z	2.522	2.522	0	%100
59	M56	X	-2.425	-2.425	0	%100
60	M56	Z	1.4	1.4	0	%100
61	M57	X	-9.701	-9.701	0	%100
62	M57	Z	5.601	5.601	0	%100
63	M61	X	-13.103	-13.103	0	%100
64	M61	Z	7.565	7.565	0	%100
65	M62	X	-4.449	-4.449	0	%100
66	M62	Z	2.568	2.568	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,%]
67	M64	X	-4.686	-4.686	0	%100
68	M64	Z	2.705	2.705	0	%100
69	M66	X	-13.103	-13.103	0	%100
70	M66	Z	7.565	7.565	0	%100
71	M67	X	-17.794	-17.794	0	%100
72	M67	Z	10.274	10.274	0	%100
73	M69	X	-18.742	-18.742	0	%100
74	M69	Z	10.821	10.821	0	%100
75	M74	X	-10.191	-10.191	0	%100
76	M74	Z	5.884	5.884	0	%100
77	M75	X	-2.548	-2.548	0	%100
78	M75	Z	1.471	1.471	0	%100
79	MP4A	X	-6.916	-6.916	0	%100
80	MP4A	Z	3.993	3.993	0	%100
81	MP3A	X	-8.371	-8.371	0	%100
82	MP3A	Z	4.833	4.833	0	%100
83	MP2A	X	-6.916	-6.916	0	%100
84	MP2A	Z	3.993	3.993	0	%100
85	MP1A	X	-6.916	-6.916	0	%100
86	MP1A	Z	3.993	3.993	0	%100
87	MP4C	X	-6.916	-6.916	0	%100
88	MP4C	Z	3.993	3.993	0	%100
89	MP3C	X	-8.371	-8.371	0	%100
90	MP3C	Z	4.833	4.833	0	%100
91	MP2C	X	-6.916	-6.916	0	%100
92	MP2C	Z	3.993	3.993	0	%100
93	MP1C	X	-6.916	-6.916	0	%100
94	MP1C	Z	3.993	3.993	0	%100
95	MP4B	X	-6.916	-6.916	0	%100
96	MP4B	Z	3.993	3.993	0	%100
97	MP3B	X	-8.371	-8.371	0	%100
98	MP3B	Z	4.833	4.833	0	%100
99	MP2B	X	-6.916	-6.916	0	%100
100	MP2B	Z	3.993	3.993	0	%100
101	MP1B	X	-6.916	-6.916	0	%100
102	MP1B	Z	3.993	3.993	0	%100
103	OVP	X	-6.302	-6.302	0	%100
104	OVP	Z	3.639	3.639	0	%100
105	M107	X	-2.093	-2.093	0	%100
106	M107	Z	1.208	1.208	0	%100
107	M115A	X	-8.371	-8.371	0	%100
108	M115A	Z	4.833	4.833	0	%100
109	M116A	X	-2.093	-2.093	0	%100
110	M116A	Z	1.208	1.208	0	%100
111	M123	X	-2.488	-2.488	0	%100
112	M123	Z	1.436	1.436	0	%100
113	M124	X	-2.488	-2.488	0	%100
114	M124	Z	1.436	1.436	0	%100
115	M125	X	-9.951	-9.951	0	%100
116	M125	Z	5.745	5.745	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-11.953	-11.953	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,%]
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	-8.402	-8.402	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-8.402	-8.402	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-20.174	-20.174	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	-15.41	-15.41	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	-16.231	-16.231	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-20.174	-20.174	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	-15.41	-15.41	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	-16.231	-16.231	0	%100
26	M91	Z	0	0	0	%100
27	M26	X	-2.988	-2.988	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-7.586	-7.586	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-7.586	-7.586	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-15.13	-15.13	0	%100
34	M29	Z	0	0	0	%100
35	M32	X	-8.402	-8.402	0	%100
36	M32	Z	0	0	0	%100
37	M33	X	0	0	0	%100
38	M33	Z	0	0	0	%100
39	M37	X	-5.043	-5.043	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	-15.41	-15.41	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	-16.231	-16.231	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	-5.043	-5.043	0	%100
46	M42	Z	0	0	0	%100
47	M43A	X	0	0	0	%100
48	M43A	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M50A	X	-2.988	-2.988	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-7.586	-7.586	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-7.586	-7.586	0	%100
56	M52A	Z	0	0	0	%100
57	M53	X	-15.13	-15.13	0	%100
58	M53	Z	0	0	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	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,%]
61	M57	X	-8.402	-8.402	0	%100
62	M57	Z	0	0	0	%100
63	M61	X	-5.043	-5.043	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M66	X	-5.043	-5.043	0	%100
70	M66	Z	0	0	0	%100
71	M67	X	-15.41	-15.41	0	%100
72	M67	Z	0	0	0	%100
73	M69	X	-16.231	-16.231	0	%100
74	M69	Z	0	0	0	%100
75	M74	X	-8.826	-8.826	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-8.826	-8.826	0	%100
78	M75	Z	0	0	0	%100
79	MP4A	X	-7.985	-7.985	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	-9.667	-9.667	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	-7.985	-7.985	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	-7.985	-7.985	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	-7.985	-7.985	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	-9.667	-9.667	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	-7.985	-7.985	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-7.985	-7.985	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	-7.985	-7.985	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	-9.667	-9.667	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	-7.985	-7.985	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-7.985	-7.985	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	-7.277	-7.277	0	%100
104	OVP	Z	0	0	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	0	0	0	%100
107	M115A	X	-7.25	-7.25	0	%100
108	M115A	Z	0	0	0	%100
109	M116A	X	-7.25	-7.25	0	%100
110	M116A	Z	0	0	0	%100
111	M123	X	-8.617	-8.617	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-8.617	-8.617	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.548	-2.548	0	%100
2	M1	Z	-1.471	-1.471	0	%100
3	M4	X	-7.764	-7.764	0	%100
4	M4	Z	-4.482	-4.482	0	%100
5	M10	X	-2.19	-2.19	0	%100
6	M10	Z	-1.264	-1.264	0	%100
7	M43	X	-2.19	-2.19	0	%100
8	M43	Z	-1.264	-1.264	0	%100
9	M46	X	-4.368	-4.368	0	%100
10	M46	Z	-2.522	-2.522	0	%100
11	M51B	X	-2.425	-2.425	0	%100
12	M51B	Z	-1.4	-1.4	0	%100
13	M52B	X	-9.701	-9.701	0	%100
14	M52B	Z	-5.601	-5.601	0	%100
15	M76	X	-13.103	-13.103	0	%100
16	M76	Z	-7.565	-7.565	0	%100
17	M77	X	-4.449	-4.449	0	%100
18	M77	Z	-2.568	-2.568	0	%100
19	M80	X	-4.686	-4.686	0	%100
20	M80	Z	-2.705	-2.705	0	%100
21	M84	X	-13.103	-13.103	0	%100
22	M84	Z	-7.565	-7.565	0	%100
23	M85	X	-17.794	-17.794	0	%100
24	M85	Z	-10.274	-10.274	0	%100
25	M91	X	-18.742	-18.742	0	%100
26	M91	Z	-10.821	-10.821	0	%100
27	M26	X	-7.764	-7.764	0	%100
28	M26	Z	-4.482	-4.482	0	%100
29	M27	X	-2.19	-2.19	0	%100
30	M27	Z	-1.264	-1.264	0	%100
31	M28	X	-2.19	-2.19	0	%100
32	M28	Z	-1.264	-1.264	0	%100
33	M29	X	-4.368	-4.368	0	%100
34	M29	Z	-2.522	-2.522	0	%100
35	M32	X	-9.701	-9.701	0	%100
36	M32	Z	-5.601	-5.601	0	%100
37	M33	X	-2.425	-2.425	0	%100
38	M33	Z	-1.4	-1.4	0	%100
39	M37	X	-13.103	-13.103	0	%100
40	M37	Z	-7.565	-7.565	0	%100
41	M38	X	-17.794	-17.794	0	%100
42	M38	Z	-10.274	-10.274	0	%100
43	M40	X	-18.742	-18.742	0	%100
44	M40	Z	-10.821	-10.821	0	%100
45	M42	X	-13.103	-13.103	0	%100
46	M42	Z	-7.565	-7.565	0	%100
47	M43A	X	-4.449	-4.449	0	%100
48	M43A	Z	-2.568	-2.568	0	%100
49	M45	X	-4.686	-4.686	0	%100
50	M45	Z	-2.705	-2.705	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-8.759	-8.759	0	%100
54	M51C	Z	-5.057	-5.057	0	%100
55	M52A	X	-8.759	-8.759	0	%100
56	M52A	Z	-5.057	-5.057	0	%100
57	M53	X	-17.471	-17.471	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	M53	Z	-10.087	-10.087	0	%100
59	M56	X	-2.425	-2.425	0	%100
60	M56	Z	-1.4	-1.4	0	%100
61	M57	X	-2.425	-2.425	0	%100
62	M57	Z	-1.4	-1.4	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	-4.449	-4.449	0	%100
66	M62	Z	-2.568	-2.568	0	%100
67	M64	X	-4.686	-4.686	0	%100
68	M64	Z	-2.705	-2.705	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M67	X	-4.449	-4.449	0	%100
72	M67	Z	-2.568	-2.568	0	%100
73	M69	X	-4.686	-4.686	0	%100
74	M69	Z	-2.705	-2.705	0	%100
75	M74	X	-2.548	-2.548	0	%100
76	M74	Z	-1.471	-1.471	0	%100
77	M75	X	-10.191	-10.191	0	%100
78	M75	Z	-5.884	-5.884	0	%100
79	MP4A	X	-6.916	-6.916	0	%100
80	MP4A	Z	-3.993	-3.993	0	%100
81	MP3A	X	-8.371	-8.371	0	%100
82	MP3A	Z	-4.833	-4.833	0	%100
83	MP2A	X	-6.916	-6.916	0	%100
84	MP2A	Z	-3.993	-3.993	0	%100
85	MP1A	X	-6.916	-6.916	0	%100
86	MP1A	Z	-3.993	-3.993	0	%100
87	MP4C	X	-6.916	-6.916	0	%100
88	MP4C	Z	-3.993	-3.993	0	%100
89	MP3C	X	-8.371	-8.371	0	%100
90	MP3C	Z	-4.833	-4.833	0	%100
91	MP2C	X	-6.916	-6.916	0	%100
92	MP2C	Z	-3.993	-3.993	0	%100
93	MP1C	X	-6.916	-6.916	0	%100
94	MP1C	Z	-3.993	-3.993	0	%100
95	MP4B	X	-6.916	-6.916	0	%100
96	MP4B	Z	-3.993	-3.993	0	%100
97	MP3B	X	-8.371	-8.371	0	%100
98	MP3B	Z	-4.833	-4.833	0	%100
99	MP2B	X	-6.916	-6.916	0	%100
100	MP2B	Z	-3.993	-3.993	0	%100
101	MP1B	X	-6.916	-6.916	0	%100
102	MP1B	Z	-3.993	-3.993	0	%100
103	OVP	X	-6.302	-6.302	0	%100
104	OVP	Z	-3.639	-3.639	0	%100
105	M107	X	-2.093	-2.093	0	%100
106	M107	Z	-1.208	-1.208	0	%100
107	M115A	X	-2.093	-2.093	0	%100
108	M115A	Z	-1.208	-1.208	0	%100
109	M116A	X	-8.371	-8.371	0	%100
110	M116A	Z	-4.833	-4.833	0	%100
111	M123	X	-9.951	-9.951	0	%100
112	M123	Z	-5.745	-5.745	0	%100
113	M124	X	-2.488	-2.488	0	%100
114	M124	Z	-1.436	-1.436	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,%]
115	M125	X	-2.488	-2.488	0	%100
116	M125	Z	-1.436	-1.436	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.413	-4.413	0	%100
2	M1	Z	-7.643	-7.643	0	%100
3	M4	X	-1.494	-1.494	0	%100
4	M4	Z	-2.588	-2.588	0	%100
5	M10	X	-3.793	-3.793	0	%100
6	M10	Z	-6.569	-6.569	0	%100
7	M43	X	-3.793	-3.793	0	%100
8	M43	Z	-6.569	-6.569	0	%100
9	M46	X	-7.565	-7.565	0	%100
10	M46	Z	-13.103	-13.103	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-4.201	-4.201	0	%100
14	M52B	Z	-7.276	-7.276	0	%100
15	M76	X	-2.522	-2.522	0	%100
16	M76	Z	-4.368	-4.368	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-2.522	-2.522	0	%100
22	M84	Z	-4.368	-4.368	0	%100
23	M85	X	-7.705	-7.705	0	%100
24	M85	Z	-13.346	-13.346	0	%100
25	M91	X	-8.116	-8.116	0	%100
26	M91	Z	-14.057	-14.057	0	%100
27	M26	X	-5.976	-5.976	0	%100
28	M26	Z	-10.351	-10.351	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M32	X	-4.201	-4.201	0	%100
36	M32	Z	-7.276	-7.276	0	%100
37	M33	X	-4.201	-4.201	0	%100
38	M33	Z	-7.276	-7.276	0	%100
39	M37	X	-10.087	-10.087	0	%100
40	M37	Z	-17.471	-17.471	0	%100
41	M38	X	-7.705	-7.705	0	%100
42	M38	Z	-13.346	-13.346	0	%100
43	M40	X	-8.116	-8.116	0	%100
44	M40	Z	-14.057	-14.057	0	%100
45	M42	X	-10.087	-10.087	0	%100
46	M42	Z	-17.471	-17.471	0	%100
47	M43A	X	-7.705	-7.705	0	%100
48	M43A	Z	-13.346	-13.346	0	%100
49	M45	X	-8.116	-8.116	0	%100
50	M45	Z	-14.057	-14.057	0	%100
51	M50A	X	-1.494	-1.494	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,%]
52	M50A	Z	-2.588	-2.588	0	%100
53	M51C	X	-3.793	-3.793	0	%100
54	M51C	Z	-6.569	-6.569	0	%100
55	M52A	X	-3.793	-3.793	0	%100
56	M52A	Z	-6.569	-6.569	0	%100
57	M53	X	-7.565	-7.565	0	%100
58	M53	Z	-13.103	-13.103	0	%100
59	M56	X	-4.201	-4.201	0	%100
60	M56	Z	-7.276	-7.276	0	%100
61	M57	X	0	0	0	%100
62	M57	Z	0	0	0	%100
63	M61	X	-2.522	-2.522	0	%100
64	M61	Z	-4.368	-4.368	0	%100
65	M62	X	-7.705	-7.705	0	%100
66	M62	Z	-13.346	-13.346	0	%100
67	M64	X	-8.116	-8.116	0	%100
68	M64	Z	-14.057	-14.057	0	%100
69	M66	X	-2.522	-2.522	0	%100
70	M66	Z	-4.368	-4.368	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	0	0	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	0	0	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-4.413	-4.413	0	%100
78	M75	Z	-7.643	-7.643	0	%100
79	MP4A	X	-3.993	-3.993	0	%100
80	MP4A	Z	-6.916	-6.916	0	%100
81	MP3A	X	-4.833	-4.833	0	%100
82	MP3A	Z	-8.371	-8.371	0	%100
83	MP2A	X	-3.993	-3.993	0	%100
84	MP2A	Z	-6.916	-6.916	0	%100
85	MP1A	X	-3.993	-3.993	0	%100
86	MP1A	Z	-6.916	-6.916	0	%100
87	MP4C	X	-3.993	-3.993	0	%100
88	MP4C	Z	-6.916	-6.916	0	%100
89	MP3C	X	-4.833	-4.833	0	%100
90	MP3C	Z	-8.371	-8.371	0	%100
91	MP2C	X	-3.993	-3.993	0	%100
92	MP2C	Z	-6.916	-6.916	0	%100
93	MP1C	X	-3.993	-3.993	0	%100
94	MP1C	Z	-6.916	-6.916	0	%100
95	MP4B	X	-3.993	-3.993	0	%100
96	MP4B	Z	-6.916	-6.916	0	%100
97	MP3B	X	-4.833	-4.833	0	%100
98	MP3B	Z	-8.371	-8.371	0	%100
99	MP2B	X	-3.993	-3.993	0	%100
100	MP2B	Z	-6.916	-6.916	0	%100
101	MP1B	X	-3.993	-3.993	0	%100
102	MP1B	Z	-6.916	-6.916	0	%100
103	OVP	X	-3.639	-3.639	0	%100
104	OVP	Z	-6.302	-6.302	0	%100
105	M107	X	-3.625	-3.625	0	%100
106	M107	Z	-6.279	-6.279	0	%100
107	M115A	X	0	0	0	%100
108	M115A	Z	0	0	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,%]
109	M116A	X	-3.625	-3.625	0	%100
110	M116A	Z	-6.279	-6.279	0	%100
111	M123	X	-4.309	-4.309	0	%100
112	M123	Z	-7.463	-7.463	0	%100
113	M124	X	-4.309	-4.309	0	%100
114	M124	Z	-7.463	-7.463	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.385	-3.385	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-2.785	-2.785	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	-2.785	-2.785	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	-4.357	-4.357	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	-.801	-.801	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	-.801	-.801	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	-1.088	-1.088	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	-1.135	-1.135	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-1.088	-1.088	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-1.135	-1.135	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-2.563	-2.563	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.696	-.696	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.696	-.696	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-1.089	-1.089	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-.801	-.801	0	%100
37	M33	X	0	0	0	%100
38	M33	Z	-3.205	-3.205	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-3.214	-3.214	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	-1.088	-1.088	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-1.135	-1.135	0	%100
45	M42	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,%]
46	M42	Z	-3.214	-3.214	0	%100
47	M43A	X	0	0	0	%100
48	M43A	Z	-4.35	-4.35	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-4.54	-4.54	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-2.563	-2.563	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-.696	-.696	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-.696	-.696	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	-1.089	-1.089	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-3.205	-3.205	0	%100
61	M57	X	0	0	0	%100
62	M57	Z	-.801	-.801	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-3.214	-3.214	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	-4.35	-4.35	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	-4.54	-4.54	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-3.214	-3.214	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	-1.088	-1.088	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	-1.135	-1.135	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.846	-.846	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.846	-.846	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-2.728	-2.728	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	-3.02	-3.02	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-2.728	-2.728	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-2.728	-2.728	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-2.728	-2.728	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-3.02	-3.02	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-2.728	-2.728	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-2.728	-2.728	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-2.728	-2.728	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-3.02	-3.02	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-2.728	-2.728	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-2.728	-2.728	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,%]
103	OVP	X	0	0	0	%100
104	OVP	Z	-2.503	-2.503	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	-3.02	-3.02	0	%100
107	M115A	X	0	0	0	%100
108	M115A	Z	-.755	-.755	0	%100
109	M116A	X	0	0	0	%100
110	M116A	Z	-.755	-.755	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.73	-.73	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-2.918	-2.918	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.73	-.73	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.269	1.269	0	%100
2	M1	Z	-2.199	-2.199	0	%100
3	M4	X	.427	.427	0	%100
4	M4	Z	-.74	-.74	0	%100
5	M10	X	1.044	1.044	0	%100
6	M10	Z	-1.809	-1.809	0	%100
7	M43	X	1.044	1.044	0	%100
8	M43	Z	-1.809	-1.809	0	%100
9	M46	X	1.634	1.634	0	%100
10	M46	Z	-2.83	-2.83	0	%100
11	M51B	X	1.202	1.202	0	%100
12	M51B	Z	-2.082	-2.082	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	.536	.536	0	%100
16	M76	Z	-.928	-.928	0	%100
17	M77	X	1.631	1.631	0	%100
18	M77	Z	-2.825	-2.825	0	%100
19	M80	X	1.703	1.703	0	%100
20	M80	Z	-2.949	-2.949	0	%100
21	M84	X	.536	.536	0	%100
22	M84	Z	-.928	-.928	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M26	X	.427	.427	0	%100
28	M26	Z	-.74	-.74	0	%100
29	M27	X	1.044	1.044	0	%100
30	M27	Z	-1.809	-1.809	0	%100
31	M28	X	1.044	1.044	0	%100
32	M28	Z	-1.809	-1.809	0	%100
33	M29	X	1.634	1.634	0	%100
34	M29	Z	-2.83	-2.83	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M33	X	1.202	1.202	0	%100
38	M33	Z	-2.082	-2.082	0	%100
39	M37	X	.536	.536	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,%]
40	M37	Z	-.928	-.928	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	.536	.536	0	%100
46	M42	Z	-.928	-.928	0	%100
47	M43A	X	1.631	1.631	0	%100
48	M43A	Z	-2.825	-2.825	0	%100
49	M45	X	1.703	1.703	0	%100
50	M45	Z	-2.949	-2.949	0	%100
51	M50A	X	1.709	1.709	0	%100
52	M50A	Z	-2.959	-2.959	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M56	X	1.202	1.202	0	%100
60	M56	Z	-2.082	-2.082	0	%100
61	M57	X	1.202	1.202	0	%100
62	M57	Z	-2.082	-2.082	0	%100
63	M61	X	2.143	2.143	0	%100
64	M61	Z	-3.711	-3.711	0	%100
65	M62	X	1.631	1.631	0	%100
66	M62	Z	-2.825	-2.825	0	%100
67	M64	X	1.703	1.703	0	%100
68	M64	Z	-2.949	-2.949	0	%100
69	M66	X	2.143	2.143	0	%100
70	M66	Z	-3.711	-3.711	0	%100
71	M67	X	1.631	1.631	0	%100
72	M67	Z	-2.825	-2.825	0	%100
73	M69	X	1.703	1.703	0	%100
74	M69	Z	-2.949	-2.949	0	%100
75	M74	X	1.269	1.269	0	%100
76	M74	Z	-2.199	-2.199	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP4A	X	1.364	1.364	0	%100
80	MP4A	Z	-2.363	-2.363	0	%100
81	MP3A	X	1.51	1.51	0	%100
82	MP3A	Z	-2.616	-2.616	0	%100
83	MP2A	X	1.364	1.364	0	%100
84	MP2A	Z	-2.363	-2.363	0	%100
85	MP1A	X	1.364	1.364	0	%100
86	MP1A	Z	-2.363	-2.363	0	%100
87	MP4C	X	1.364	1.364	0	%100
88	MP4C	Z	-2.363	-2.363	0	%100
89	MP3C	X	1.51	1.51	0	%100
90	MP3C	Z	-2.616	-2.616	0	%100
91	MP2C	X	1.364	1.364	0	%100
92	MP2C	Z	-2.363	-2.363	0	%100
93	MP1C	X	1.364	1.364	0	%100
94	MP1C	Z	-2.363	-2.363	0	%100
95	MP4B	X	1.364	1.364	0	%100
96	MP4B	Z	-2.363	-2.363	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,%]
97	MP3B	X	1.51	1.51	0	%100
98	MP3B	Z	-2.616	-2.616	0	%100
99	MP2B	X	1.364	1.364	0	%100
100	MP2B	Z	-2.363	-2.363	0	%100
101	MP1B	X	1.364	1.364	0	%100
102	MP1B	Z	-2.363	-2.363	0	%100
103	OVP	X	1.251	1.251	0	%100
104	OVP	Z	-2.168	-2.168	0	%100
105	M107	X	1.133	1.133	0	%100
106	M107	Z	-1.962	-1.962	0	%100
107	M115A	X	1.133	1.133	0	%100
108	M115A	Z	-1.962	-1.962	0	%100
109	M116A	X	0	0	0	%100
110	M116A	Z	0	0	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	1.094	1.094	0	%100
114	M124	Z	-1.896	-1.896	0	%100
115	M125	X	1.094	1.094	0	%100
116	M125	Z	-1.896	-1.896	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.733	.733	0	%100
2	M1	Z	-.423	-.423	0	%100
3	M4	X	2.22	2.22	0	%100
4	M4	Z	-1.281	-1.281	0	%100
5	M10	X	.603	.603	0	%100
6	M10	Z	-.348	-.348	0	%100
7	M43	X	.603	.603	0	%100
8	M43	Z	-.348	-.348	0	%100
9	M46	X	.943	.943	0	%100
10	M46	Z	-.545	-.545	0	%100
11	M51B	X	2.776	2.776	0	%100
12	M51B	Z	-1.603	-1.603	0	%100
13	M52B	X	.694	.694	0	%100
14	M52B	Z	-.401	-.401	0	%100
15	M76	X	2.783	2.783	0	%100
16	M76	Z	-1.607	-1.607	0	%100
17	M77	X	3.767	3.767	0	%100
18	M77	Z	-2.175	-2.175	0	%100
19	M80	X	3.932	3.932	0	%100
20	M80	Z	-2.27	-2.27	0	%100
21	M84	X	2.783	2.783	0	%100
22	M84	Z	-1.607	-1.607	0	%100
23	M85	X	.942	.942	0	%100
24	M85	Z	-.544	-.544	0	%100
25	M91	X	.983	.983	0	%100
26	M91	Z	-.568	-.568	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	2.412	2.412	0	%100
30	M27	Z	-1.392	-1.392	0	%100
31	M28	X	2.412	2.412	0	%100
32	M28	Z	-1.392	-1.392	0	%100
33	M29	X	3.773	3.773	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,%]
34	M29	Z	-2.178	-2.178	0	%100
35	M32	X	.694	.694	0	%100
36	M32	Z	-.401	-.401	0	%100
37	M33	X	.694	.694	0	%100
38	M33	Z	-.401	-.401	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	.942	.942	0	%100
42	M38	Z	-.544	-.544	0	%100
43	M40	X	.983	.983	0	%100
44	M40	Z	-.568	-.568	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M43A	X	.942	.942	0	%100
48	M43A	Z	-.544	-.544	0	%100
49	M45	X	.983	.983	0	%100
50	M45	Z	-.568	-.568	0	%100
51	M50A	X	2.22	2.22	0	%100
52	M50A	Z	-1.281	-1.281	0	%100
53	M51C	X	.603	.603	0	%100
54	M51C	Z	-.348	-.348	0	%100
55	M52A	X	.603	.603	0	%100
56	M52A	Z	-.348	-.348	0	%100
57	M53	X	.943	.943	0	%100
58	M53	Z	-.545	-.545	0	%100
59	M56	X	.694	.694	0	%100
60	M56	Z	-.401	-.401	0	%100
61	M57	X	2.776	2.776	0	%100
62	M57	Z	-1.603	-1.603	0	%100
63	M61	X	2.783	2.783	0	%100
64	M61	Z	-1.607	-1.607	0	%100
65	M62	X	.942	.942	0	%100
66	M62	Z	-.544	-.544	0	%100
67	M64	X	.983	.983	0	%100
68	M64	Z	-.568	-.568	0	%100
69	M66	X	2.783	2.783	0	%100
70	M66	Z	-1.607	-1.607	0	%100
71	M67	X	3.767	3.767	0	%100
72	M67	Z	-2.175	-2.175	0	%100
73	M69	X	3.932	3.932	0	%100
74	M69	Z	-2.27	-2.27	0	%100
75	M74	X	2.932	2.932	0	%100
76	M74	Z	-1.693	-1.693	0	%100
77	M75	X	.733	.733	0	%100
78	M75	Z	-.423	-.423	0	%100
79	MP4A	X	2.363	2.363	0	%100
80	MP4A	Z	-1.364	-1.364	0	%100
81	MP3A	X	2.616	2.616	0	%100
82	MP3A	Z	-1.51	-1.51	0	%100
83	MP2A	X	2.363	2.363	0	%100
84	MP2A	Z	-1.364	-1.364	0	%100
85	MP1A	X	2.363	2.363	0	%100
86	MP1A	Z	-1.364	-1.364	0	%100
87	MP4C	X	2.363	2.363	0	%100
88	MP4C	Z	-1.364	-1.364	0	%100
89	MP3C	X	2.616	2.616	0	%100
90	MP3C	Z	-1.51	-1.51	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,%]
91	MP2C	X	2.363	2.363	0	%100
92	MP2C	Z	-1.364	-1.364	0	%100
93	MP1C	X	2.363	2.363	0	%100
94	MP1C	Z	-1.364	-1.364	0	%100
95	MP4B	X	2.363	2.363	0	%100
96	MP4B	Z	-1.364	-1.364	0	%100
97	MP3B	X	2.616	2.616	0	%100
98	MP3B	Z	-1.51	-1.51	0	%100
99	MP2B	X	2.363	2.363	0	%100
100	MP2B	Z	-1.364	-1.364	0	%100
101	MP1B	X	2.363	2.363	0	%100
102	MP1B	Z	-1.364	-1.364	0	%100
103	OVP	X	2.168	2.168	0	%100
104	OVP	Z	-1.251	-1.251	0	%100
105	M107	X	.654	.654	0	%100
106	M107	Z	-.378	-.378	0	%100
107	M115A	X	2.616	2.616	0	%100
108	M115A	Z	-1.51	-1.51	0	%100
109	M116A	X	.654	.654	0	%100
110	M116A	Z	-.378	-.378	0	%100
111	M123	X	.632	.632	0	%100
112	M123	Z	-.365	-.365	0	%100
113	M124	X	.632	.632	0	%100
114	M124	Z	-.365	-.365	0	%100
115	M125	X	2.527	2.527	0	%100
116	M125	Z	-1.459	-1.459	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	3.417	3.417	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	2.404	2.404	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	2.404	2.404	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	4.285	4.285	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	3.263	3.263	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	3.405	3.405	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	4.285	4.285	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	3.263	3.263	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	3.405	3.405	0	%100
26	M91	Z	0	0	0	%100
27	M26	X	.854	.854	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,%]
28	M26	Z	0	0	0	%100
29	M27	X	2.089	2.089	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	2.089	2.089	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	3.268	3.268	0	%100
34	M29	Z	0	0	0	%100
35	M32	X	2.404	2.404	0	%100
36	M32	Z	0	0	0	%100
37	M33	X	0	0	0	%100
38	M33	Z	0	0	0	%100
39	M37	X	1.071	1.071	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	3.263	3.263	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	3.405	3.405	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	1.071	1.071	0	%100
46	M42	Z	0	0	0	%100
47	M43A	X	0	0	0	%100
48	M43A	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M50A	X	.854	.854	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	2.089	2.089	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	2.089	2.089	0	%100
56	M52A	Z	0	0	0	%100
57	M53	X	3.268	3.268	0	%100
58	M53	Z	0	0	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M57	X	2.404	2.404	0	%100
62	M57	Z	0	0	0	%100
63	M61	X	1.071	1.071	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M66	X	1.071	1.071	0	%100
70	M66	Z	0	0	0	%100
71	M67	X	3.263	3.263	0	%100
72	M67	Z	0	0	0	%100
73	M69	X	3.405	3.405	0	%100
74	M69	Z	0	0	0	%100
75	M74	X	2.539	2.539	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	2.539	2.539	0	%100
78	M75	Z	0	0	0	%100
79	MP4A	X	2.728	2.728	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	3.02	3.02	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	2.728	2.728	0	%100
84	MP2A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	MP1A	X	2.728	2.728	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	2.728	2.728	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	3.02	3.02	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	2.728	2.728	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	2.728	2.728	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	2.728	2.728	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	3.02	3.02	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	2.728	2.728	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	2.728	2.728	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	2.503	2.503	0	%100
104	OVP	Z	0	0	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	0	0	0	%100
107	M115A	X	2.265	2.265	0	%100
108	M115A	Z	0	0	0	%100
109	M116A	X	2.265	2.265	0	%100
110	M116A	Z	0	0	0	%100
111	M123	X	2.189	2.189	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	2.189	2.189	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.733	.733	0	%100
2	M1	Z	.423	.423	0	%100
3	M4	X	2.22	2.22	0	%100
4	M4	Z	1.281	1.281	0	%100
5	M10	X	.603	.603	0	%100
6	M10	Z	.348	.348	0	%100
7	M43	X	.603	.603	0	%100
8	M43	Z	.348	.348	0	%100
9	M46	X	.943	.943	0	%100
10	M46	Z	.545	.545	0	%100
11	M51B	X	.694	.694	0	%100
12	M51B	Z	.401	.401	0	%100
13	M52B	X	2.776	2.776	0	%100
14	M52B	Z	1.603	1.603	0	%100
15	M76	X	2.783	2.783	0	%100
16	M76	Z	1.607	1.607	0	%100
17	M77	X	.942	.942	0	%100
18	M77	Z	.544	.544	0	%100
19	M80	X	.983	.983	0	%100
20	M80	Z	.568	.568	0	%100
21	M84	X	2.783	2.783	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,%]
22	M84	Z	1.607	1.607	0	%100
23	M85	X	3.767	3.767	0	%100
24	M85	Z	2.175	2.175	0	%100
25	M91	X	3.932	3.932	0	%100
26	M91	Z	2.27	2.27	0	%100
27	M26	X	2.22	2.22	0	%100
28	M26	Z	1.281	1.281	0	%100
29	M27	X	.603	.603	0	%100
30	M27	Z	.348	.348	0	%100
31	M28	X	.603	.603	0	%100
32	M28	Z	.348	.348	0	%100
33	M29	X	.943	.943	0	%100
34	M29	Z	.545	.545	0	%100
35	M32	X	2.776	2.776	0	%100
36	M32	Z	1.603	1.603	0	%100
37	M33	X	.694	.694	0	%100
38	M33	Z	.401	.401	0	%100
39	M37	X	2.783	2.783	0	%100
40	M37	Z	1.607	1.607	0	%100
41	M38	X	3.767	3.767	0	%100
42	M38	Z	2.175	2.175	0	%100
43	M40	X	3.932	3.932	0	%100
44	M40	Z	2.27	2.27	0	%100
45	M42	X	2.783	2.783	0	%100
46	M42	Z	1.607	1.607	0	%100
47	M43A	X	.942	.942	0	%100
48	M43A	Z	.544	.544	0	%100
49	M45	X	.983	.983	0	%100
50	M45	Z	.568	.568	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	2.412	2.412	0	%100
54	M51C	Z	1.392	1.392	0	%100
55	M52A	X	2.412	2.412	0	%100
56	M52A	Z	1.392	1.392	0	%100
57	M53	X	3.773	3.773	0	%100
58	M53	Z	2.178	2.178	0	%100
59	M56	X	.694	.694	0	%100
60	M56	Z	.401	.401	0	%100
61	M57	X	.694	.694	0	%100
62	M57	Z	.401	.401	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	.942	.942	0	%100
66	M62	Z	.544	.544	0	%100
67	M64	X	.983	.983	0	%100
68	M64	Z	.568	.568	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M67	X	.942	.942	0	%100
72	M67	Z	.544	.544	0	%100
73	M69	X	.983	.983	0	%100
74	M69	Z	.568	.568	0	%100
75	M74	X	.733	.733	0	%100
76	M74	Z	.423	.423	0	%100
77	M75	X	2.932	2.932	0	%100
78	M75	Z	1.693	1.693	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,%]
79	MP4A	X	2.363	2.363	0	%100
80	MP4A	Z	1.364	1.364	0	%100
81	MP3A	X	2.616	2.616	0	%100
82	MP3A	Z	1.51	1.51	0	%100
83	MP2A	X	2.363	2.363	0	%100
84	MP2A	Z	1.364	1.364	0	%100
85	MP1A	X	2.363	2.363	0	%100
86	MP1A	Z	1.364	1.364	0	%100
87	MP4C	X	2.363	2.363	0	%100
88	MP4C	Z	1.364	1.364	0	%100
89	MP3C	X	2.616	2.616	0	%100
90	MP3C	Z	1.51	1.51	0	%100
91	MP2C	X	2.363	2.363	0	%100
92	MP2C	Z	1.364	1.364	0	%100
93	MP1C	X	2.363	2.363	0	%100
94	MP1C	Z	1.364	1.364	0	%100
95	MP4B	X	2.363	2.363	0	%100
96	MP4B	Z	1.364	1.364	0	%100
97	MP3B	X	2.616	2.616	0	%100
98	MP3B	Z	1.51	1.51	0	%100
99	MP2B	X	2.363	2.363	0	%100
100	MP2B	Z	1.364	1.364	0	%100
101	MP1B	X	2.363	2.363	0	%100
102	MP1B	Z	1.364	1.364	0	%100
103	OVP	X	2.168	2.168	0	%100
104	OVP	Z	1.251	1.251	0	%100
105	M107	X	.654	.654	0	%100
106	M107	Z	.378	.378	0	%100
107	M115A	X	.654	.654	0	%100
108	M115A	Z	.378	.378	0	%100
109	M116A	X	2.616	2.616	0	%100
110	M116A	Z	1.51	1.51	0	%100
111	M123	X	2.527	2.527	0	%100
112	M123	Z	1.459	1.459	0	%100
113	M124	X	.632	.632	0	%100
114	M124	Z	.365	.365	0	%100
115	M125	X	.632	.632	0	%100
116	M125	Z	.365	.365	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.269	1.269	0	%100
2	M1	Z	2.199	2.199	0	%100
3	M4	X	.427	.427	0	%100
4	M4	Z	.74	.74	0	%100
5	M10	X	1.044	1.044	0	%100
6	M10	Z	1.809	1.809	0	%100
7	M43	X	1.044	1.044	0	%100
8	M43	Z	1.809	1.809	0	%100
9	M46	X	1.634	1.634	0	%100
10	M46	Z	2.83	2.83	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	1.202	1.202	0	%100
14	M52B	Z	2.082	2.082	0	%100
15	M76	X	.536	.536	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,%]
16	M76	Z	.928	.928	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	.536	.536	0	%100
22	M84	Z	.928	.928	0	%100
23	M85	X	1.631	1.631	0	%100
24	M85	Z	2.825	2.825	0	%100
25	M91	X	1.703	1.703	0	%100
26	M91	Z	2.949	2.949	0	%100
27	M26	X	1.709	1.709	0	%100
28	M26	Z	2.959	2.959	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M32	X	1.202	1.202	0	%100
36	M32	Z	2.082	2.082	0	%100
37	M33	X	1.202	1.202	0	%100
38	M33	Z	2.082	2.082	0	%100
39	M37	X	2.143	2.143	0	%100
40	M37	Z	3.711	3.711	0	%100
41	M38	X	1.631	1.631	0	%100
42	M38	Z	2.825	2.825	0	%100
43	M40	X	1.703	1.703	0	%100
44	M40	Z	2.949	2.949	0	%100
45	M42	X	2.143	2.143	0	%100
46	M42	Z	3.711	3.711	0	%100
47	M43A	X	1.631	1.631	0	%100
48	M43A	Z	2.825	2.825	0	%100
49	M45	X	1.703	1.703	0	%100
50	M45	Z	2.949	2.949	0	%100
51	M50A	X	.427	.427	0	%100
52	M50A	Z	.74	.74	0	%100
53	M51C	X	1.044	1.044	0	%100
54	M51C	Z	1.809	1.809	0	%100
55	M52A	X	1.044	1.044	0	%100
56	M52A	Z	1.809	1.809	0	%100
57	M53	X	1.634	1.634	0	%100
58	M53	Z	2.83	2.83	0	%100
59	M56	X	1.202	1.202	0	%100
60	M56	Z	2.082	2.082	0	%100
61	M57	X	0	0	0	%100
62	M57	Z	0	0	0	%100
63	M61	X	.536	.536	0	%100
64	M61	Z	.928	.928	0	%100
65	M62	X	1.631	1.631	0	%100
66	M62	Z	2.825	2.825	0	%100
67	M64	X	1.703	1.703	0	%100
68	M64	Z	2.949	2.949	0	%100
69	M66	X	.536	.536	0	%100
70	M66	Z	.928	.928	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	0	0	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,%]
73	M69	X	0	0	0	%100
74	M69	Z	0	0	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	1.269	1.269	0	%100
78	M75	Z	2.199	2.199	0	%100
79	MP4A	X	1.364	1.364	0	%100
80	MP4A	Z	2.363	2.363	0	%100
81	MP3A	X	1.51	1.51	0	%100
82	MP3A	Z	2.616	2.616	0	%100
83	MP2A	X	1.364	1.364	0	%100
84	MP2A	Z	2.363	2.363	0	%100
85	MP1A	X	1.364	1.364	0	%100
86	MP1A	Z	2.363	2.363	0	%100
87	MP4C	X	1.364	1.364	0	%100
88	MP4C	Z	2.363	2.363	0	%100
89	MP3C	X	1.51	1.51	0	%100
90	MP3C	Z	2.616	2.616	0	%100
91	MP2C	X	1.364	1.364	0	%100
92	MP2C	Z	2.363	2.363	0	%100
93	MP1C	X	1.364	1.364	0	%100
94	MP1C	Z	2.363	2.363	0	%100
95	MP4B	X	1.364	1.364	0	%100
96	MP4B	Z	2.363	2.363	0	%100
97	MP3B	X	1.51	1.51	0	%100
98	MP3B	Z	2.616	2.616	0	%100
99	MP2B	X	1.364	1.364	0	%100
100	MP2B	Z	2.363	2.363	0	%100
101	MP1B	X	1.364	1.364	0	%100
102	MP1B	Z	2.363	2.363	0	%100
103	OVP	X	1.251	1.251	0	%100
104	OVP	Z	2.168	2.168	0	%100
105	M107	X	1.133	1.133	0	%100
106	M107	Z	1.962	1.962	0	%100
107	M115A	X	0	0	0	%100
108	M115A	Z	0	0	0	%100
109	M116A	X	1.133	1.133	0	%100
110	M116A	Z	1.962	1.962	0	%100
111	M123	X	1.094	1.094	0	%100
112	M123	Z	1.896	1.896	0	%100
113	M124	X	1.094	1.094	0	%100
114	M124	Z	1.896	1.896	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	3.385	3.385	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	2.785	2.785	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	2.785	2.785	0	%100
9	M46	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,%]
10	M46	Z	4.357	4.357	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	.801	.801	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	.801	.801	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	1.088	1.088	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	1.135	1.135	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	1.088	1.088	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	1.135	1.135	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	2.563	2.563	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.696	.696	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.696	.696	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	1.089	1.089	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	.801	.801	0	%100
37	M33	X	0	0	0	%100
38	M33	Z	3.205	3.205	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	3.214	3.214	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	1.088	1.088	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	1.135	1.135	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	3.214	3.214	0	%100
47	M43A	X	0	0	0	%100
48	M43A	Z	4.35	4.35	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	4.54	4.54	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	2.563	2.563	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	.696	.696	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	.696	.696	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	1.089	1.089	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	3.205	3.205	0	%100
61	M57	X	0	0	0	%100
62	M57	Z	.801	.801	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	3.214	3.214	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	4.35	4.35	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,%]
67	M64	X	0	0	0	%100
68	M64	Z	4.54	4.54	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	3.214	3.214	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	1.088	1.088	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	1.135	1.135	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.846	.846	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.846	.846	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	2.728	2.728	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	3.02	3.02	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	2.728	2.728	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	2.728	2.728	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	2.728	2.728	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	3.02	3.02	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	2.728	2.728	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	2.728	2.728	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	2.728	2.728	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	3.02	3.02	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	2.728	2.728	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	2.728	2.728	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	2.503	2.503	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	3.02	3.02	0	%100
107	M115A	X	0	0	0	%100
108	M115A	Z	.755	.755	0	%100
109	M116A	X	0	0	0	%100
110	M116A	Z	.755	.755	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.73	.73	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	2.918	2.918	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	.73	.73	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.269	-1.269	0	%100
2	M1	Z	2.199	2.199	0	%100
3	M4	X	-.427	-.427	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,%]
4	M4	Z	.74	.74	0	%100
5	M10	X	-1.044	-1.044	0	%100
6	M10	Z	1.809	1.809	0	%100
7	M43	X	-1.044	-1.044	0	%100
8	M43	Z	1.809	1.809	0	%100
9	M46	X	-1.634	-1.634	0	%100
10	M46	Z	2.83	2.83	0	%100
11	M51B	X	-1.202	-1.202	0	%100
12	M51B	Z	2.082	2.082	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-.536	-.536	0	%100
16	M76	Z	.928	.928	0	%100
17	M77	X	-1.631	-1.631	0	%100
18	M77	Z	2.825	2.825	0	%100
19	M80	X	-1.703	-1.703	0	%100
20	M80	Z	2.949	2.949	0	%100
21	M84	X	-.536	-.536	0	%100
22	M84	Z	.928	.928	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M26	X	-.427	-.427	0	%100
28	M26	Z	.74	.74	0	%100
29	M27	X	-1.044	-1.044	0	%100
30	M27	Z	1.809	1.809	0	%100
31	M28	X	-1.044	-1.044	0	%100
32	M28	Z	1.809	1.809	0	%100
33	M29	X	-1.634	-1.634	0	%100
34	M29	Z	2.83	2.83	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M33	X	-1.202	-1.202	0	%100
38	M33	Z	2.082	2.082	0	%100
39	M37	X	-.536	-.536	0	%100
40	M37	Z	.928	.928	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	-.536	-.536	0	%100
46	M42	Z	.928	.928	0	%100
47	M43A	X	-1.631	-1.631	0	%100
48	M43A	Z	2.825	2.825	0	%100
49	M45	X	-1.703	-1.703	0	%100
50	M45	Z	2.949	2.949	0	%100
51	M50A	X	-1.709	-1.709	0	%100
52	M50A	Z	2.959	2.959	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M56	X	-1.202	-1.202	0	%100
60	M56	Z	2.082	2.082	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,%]
61	M57	X	-1.202	-1.202	0	%100
62	M57	Z	2.082	2.082	0	%100
63	M61	X	-2.143	-2.143	0	%100
64	M61	Z	3.711	3.711	0	%100
65	M62	X	-1.631	-1.631	0	%100
66	M62	Z	2.825	2.825	0	%100
67	M64	X	-1.703	-1.703	0	%100
68	M64	Z	2.949	2.949	0	%100
69	M66	X	-2.143	-2.143	0	%100
70	M66	Z	3.711	3.711	0	%100
71	M67	X	-1.631	-1.631	0	%100
72	M67	Z	2.825	2.825	0	%100
73	M69	X	-1.703	-1.703	0	%100
74	M69	Z	2.949	2.949	0	%100
75	M74	X	-1.269	-1.269	0	%100
76	M74	Z	2.199	2.199	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP4A	X	-1.364	-1.364	0	%100
80	MP4A	Z	2.363	2.363	0	%100
81	MP3A	X	-1.51	-1.51	0	%100
82	MP3A	Z	2.616	2.616	0	%100
83	MP2A	X	-1.364	-1.364	0	%100
84	MP2A	Z	2.363	2.363	0	%100
85	MP1A	X	-1.364	-1.364	0	%100
86	MP1A	Z	2.363	2.363	0	%100
87	MP4C	X	-1.364	-1.364	0	%100
88	MP4C	Z	2.363	2.363	0	%100
89	MP3C	X	-1.51	-1.51	0	%100
90	MP3C	Z	2.616	2.616	0	%100
91	MP2C	X	-1.364	-1.364	0	%100
92	MP2C	Z	2.363	2.363	0	%100
93	MP1C	X	-1.364	-1.364	0	%100
94	MP1C	Z	2.363	2.363	0	%100
95	MP4B	X	-1.364	-1.364	0	%100
96	MP4B	Z	2.363	2.363	0	%100
97	MP3B	X	-1.51	-1.51	0	%100
98	MP3B	Z	2.616	2.616	0	%100
99	MP2B	X	-1.364	-1.364	0	%100
100	MP2B	Z	2.363	2.363	0	%100
101	MP1B	X	-1.364	-1.364	0	%100
102	MP1B	Z	2.363	2.363	0	%100
103	OVP	X	-1.251	-1.251	0	%100
104	OVP	Z	2.168	2.168	0	%100
105	M107	X	-1.133	-1.133	0	%100
106	M107	Z	1.962	1.962	0	%100
107	M115A	X	-1.133	-1.133	0	%100
108	M115A	Z	1.962	1.962	0	%100
109	M116A	X	0	0	0	%100
110	M116A	Z	0	0	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-1.094	-1.094	0	%100
114	M124	Z	1.896	1.896	0	%100
115	M125	X	-1.094	-1.094	0	%100
116	M125	Z	1.896	1.896	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.733	-.733	0	%100
2	M1	Z	.423	.423	0	%100
3	M4	X	-2.22	-2.22	0	%100
4	M4	Z	1.281	1.281	0	%100
5	M10	X	-.603	-.603	0	%100
6	M10	Z	.348	.348	0	%100
7	M43	X	-.603	-.603	0	%100
8	M43	Z	.348	.348	0	%100
9	M46	X	-.943	-.943	0	%100
10	M46	Z	.545	.545	0	%100
11	M51B	X	-2.776	-2.776	0	%100
12	M51B	Z	1.603	1.603	0	%100
13	M52B	X	-.694	-.694	0	%100
14	M52B	Z	.401	.401	0	%100
15	M76	X	-2.783	-2.783	0	%100
16	M76	Z	1.607	1.607	0	%100
17	M77	X	-3.767	-3.767	0	%100
18	M77	Z	2.175	2.175	0	%100
19	M80	X	-3.932	-3.932	0	%100
20	M80	Z	2.27	2.27	0	%100
21	M84	X	-2.783	-2.783	0	%100
22	M84	Z	1.607	1.607	0	%100
23	M85	X	-.942	-.942	0	%100
24	M85	Z	.544	.544	0	%100
25	M91	X	-.983	-.983	0	%100
26	M91	Z	.568	.568	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-2.412	-2.412	0	%100
30	M27	Z	1.392	1.392	0	%100
31	M28	X	-2.412	-2.412	0	%100
32	M28	Z	1.392	1.392	0	%100
33	M29	X	-3.773	-3.773	0	%100
34	M29	Z	2.178	2.178	0	%100
35	M32	X	-.694	-.694	0	%100
36	M32	Z	.401	.401	0	%100
37	M33	X	-.694	-.694	0	%100
38	M33	Z	.401	.401	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	-.942	-.942	0	%100
42	M38	Z	.544	.544	0	%100
43	M40	X	-.983	-.983	0	%100
44	M40	Z	.568	.568	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M43A	X	-.942	-.942	0	%100
48	M43A	Z	.544	.544	0	%100
49	M45	X	-.983	-.983	0	%100
50	M45	Z	.568	.568	0	%100
51	M50A	X	-2.22	-2.22	0	%100
52	M50A	Z	1.281	1.281	0	%100
53	M51C	X	-.603	-.603	0	%100
54	M51C	Z	.348	.348	0	%100
55	M52A	X	-.603	-.603	0	%100
56	M52A	Z	.348	.348	0	%100
57	M53	X	-.943	-.943	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	M53	Z	.545	.545	0	%100
59	M56	X	-.694	-.694	0	%100
60	M56	Z	.401	.401	0	%100
61	M57	X	-2.776	-2.776	0	%100
62	M57	Z	1.603	1.603	0	%100
63	M61	X	-2.783	-2.783	0	%100
64	M61	Z	1.607	1.607	0	%100
65	M62	X	-.942	-.942	0	%100
66	M62	Z	.544	.544	0	%100
67	M64	X	-.983	-.983	0	%100
68	M64	Z	.568	.568	0	%100
69	M66	X	-2.783	-2.783	0	%100
70	M66	Z	1.607	1.607	0	%100
71	M67	X	-3.767	-3.767	0	%100
72	M67	Z	2.175	2.175	0	%100
73	M69	X	-3.932	-3.932	0	%100
74	M69	Z	2.27	2.27	0	%100
75	M74	X	-2.932	-2.932	0	%100
76	M74	Z	1.693	1.693	0	%100
77	M75	X	-.733	-.733	0	%100
78	M75	Z	.423	.423	0	%100
79	MP4A	X	-2.363	-2.363	0	%100
80	MP4A	Z	1.364	1.364	0	%100
81	MP3A	X	-2.616	-2.616	0	%100
82	MP3A	Z	1.51	1.51	0	%100
83	MP2A	X	-2.363	-2.363	0	%100
84	MP2A	Z	1.364	1.364	0	%100
85	MP1A	X	-2.363	-2.363	0	%100
86	MP1A	Z	1.364	1.364	0	%100
87	MP4C	X	-2.363	-2.363	0	%100
88	MP4C	Z	1.364	1.364	0	%100
89	MP3C	X	-2.616	-2.616	0	%100
90	MP3C	Z	1.51	1.51	0	%100
91	MP2C	X	-2.363	-2.363	0	%100
92	MP2C	Z	1.364	1.364	0	%100
93	MP1C	X	-2.363	-2.363	0	%100
94	MP1C	Z	1.364	1.364	0	%100
95	MP4B	X	-2.363	-2.363	0	%100
96	MP4B	Z	1.364	1.364	0	%100
97	MP3B	X	-2.616	-2.616	0	%100
98	MP3B	Z	1.51	1.51	0	%100
99	MP2B	X	-2.363	-2.363	0	%100
100	MP2B	Z	1.364	1.364	0	%100
101	MP1B	X	-2.363	-2.363	0	%100
102	MP1B	Z	1.364	1.364	0	%100
103	OVP	X	-2.168	-2.168	0	%100
104	OVP	Z	1.251	1.251	0	%100
105	M107	X	-.654	-.654	0	%100
106	M107	Z	.378	.378	0	%100
107	M115A	X	-2.616	-2.616	0	%100
108	M115A	Z	1.51	1.51	0	%100
109	M116A	X	-.654	-.654	0	%100
110	M116A	Z	.378	.378	0	%100
111	M123	X	-.632	-.632	0	%100
112	M123	Z	.365	.365	0	%100
113	M124	X	-.632	-.632	0	%100
114	M124	Z	.365	.365	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M125	X	-2.527	-2.527	0	%100
116	M125	Z	1.459	1.459	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-3.417	-3.417	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	-2.404	-2.404	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-2.404	-2.404	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-4.285	-4.285	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	-3.263	-3.263	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	-3.405	-3.405	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-4.285	-4.285	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	-3.263	-3.263	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	-3.405	-3.405	0	%100
26	M91	Z	0	0	0	%100
27	M26	X	-.854	-.854	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-2.089	-2.089	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-2.089	-2.089	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-3.268	-3.268	0	%100
34	M29	Z	0	0	0	%100
35	M32	X	-2.404	-2.404	0	%100
36	M32	Z	0	0	0	%100
37	M33	X	0	0	0	%100
38	M33	Z	0	0	0	%100
39	M37	X	-1.071	-1.071	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	-3.263	-3.263	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	-3.405	-3.405	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	-1.071	-1.071	0	%100
46	M42	Z	0	0	0	%100
47	M43A	X	0	0	0	%100
48	M43A	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M50A	X	-.854	-.854	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,%]
52	M50A	Z	0	0	0	%100
53	M51C	X	-2.089	-2.089	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-2.089	-2.089	0	%100
56	M52A	Z	0	0	0	%100
57	M53	X	-3.268	-3.268	0	%100
58	M53	Z	0	0	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M57	X	-2.404	-2.404	0	%100
62	M57	Z	0	0	0	%100
63	M61	X	-1.071	-1.071	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M66	X	-1.071	-1.071	0	%100
70	M66	Z	0	0	0	%100
71	M67	X	-3.263	-3.263	0	%100
72	M67	Z	0	0	0	%100
73	M69	X	-3.405	-3.405	0	%100
74	M69	Z	0	0	0	%100
75	M74	X	-2.539	-2.539	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-2.539	-2.539	0	%100
78	M75	Z	0	0	0	%100
79	MP4A	X	-2.728	-2.728	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	-3.02	-3.02	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	-2.728	-2.728	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	-2.728	-2.728	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	-2.728	-2.728	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	-3.02	-3.02	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	-2.728	-2.728	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-2.728	-2.728	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	-2.728	-2.728	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	-3.02	-3.02	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	-2.728	-2.728	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-2.728	-2.728	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	-2.503	-2.503	0	%100
104	OVP	Z	0	0	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	0	0	0	%100
107	M115A	X	-2.265	-2.265	0	%100
108	M115A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M116A	X	-2.265	-2.265	0	%100
110	M116A	Z	0	0	0	%100
111	M123	X	-2.189	-2.189	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-2.189	-2.189	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.733	-.733	0	%100
2	M1	Z	-.423	-.423	0	%100
3	M4	X	-2.22	-2.22	0	%100
4	M4	Z	-1.281	-1.281	0	%100
5	M10	X	-.603	-.603	0	%100
6	M10	Z	-.348	-.348	0	%100
7	M43	X	-.603	-.603	0	%100
8	M43	Z	-.348	-.348	0	%100
9	M46	X	-.943	-.943	0	%100
10	M46	Z	-.545	-.545	0	%100
11	M51B	X	-.694	-.694	0	%100
12	M51B	Z	-.401	-.401	0	%100
13	M52B	X	-2.776	-2.776	0	%100
14	M52B	Z	-1.603	-1.603	0	%100
15	M76	X	-2.783	-2.783	0	%100
16	M76	Z	-1.607	-1.607	0	%100
17	M77	X	-.942	-.942	0	%100
18	M77	Z	-.544	-.544	0	%100
19	M80	X	-.983	-.983	0	%100
20	M80	Z	-.568	-.568	0	%100
21	M84	X	-2.783	-2.783	0	%100
22	M84	Z	-1.607	-1.607	0	%100
23	M85	X	-3.767	-3.767	0	%100
24	M85	Z	-2.175	-2.175	0	%100
25	M91	X	-3.932	-3.932	0	%100
26	M91	Z	-2.27	-2.27	0	%100
27	M26	X	-2.22	-2.22	0	%100
28	M26	Z	-1.281	-1.281	0	%100
29	M27	X	-.603	-.603	0	%100
30	M27	Z	-.348	-.348	0	%100
31	M28	X	-.603	-.603	0	%100
32	M28	Z	-.348	-.348	0	%100
33	M29	X	-.943	-.943	0	%100
34	M29	Z	-.545	-.545	0	%100
35	M32	X	-2.776	-2.776	0	%100
36	M32	Z	-1.603	-1.603	0	%100
37	M33	X	-.694	-.694	0	%100
38	M33	Z	-.401	-.401	0	%100
39	M37	X	-2.783	-2.783	0	%100
40	M37	Z	-1.607	-1.607	0	%100
41	M38	X	-3.767	-3.767	0	%100
42	M38	Z	-2.175	-2.175	0	%100
43	M40	X	-3.932	-3.932	0	%100
44	M40	Z	-2.27	-2.27	0	%100
45	M42	X	-2.783	-2.783	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,%]
46	M42	Z	-1.607	-1.607	0	%100
47	M43A	X	-.942	-.942	0	%100
48	M43A	Z	-.544	-.544	0	%100
49	M45	X	-.983	-.983	0	%100
50	M45	Z	-.568	-.568	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-2.412	-2.412	0	%100
54	M51C	Z	-1.392	-1.392	0	%100
55	M52A	X	-2.412	-2.412	0	%100
56	M52A	Z	-1.392	-1.392	0	%100
57	M53	X	-3.773	-3.773	0	%100
58	M53	Z	-2.178	-2.178	0	%100
59	M56	X	-.694	-.694	0	%100
60	M56	Z	-.401	-.401	0	%100
61	M57	X	-.694	-.694	0	%100
62	M57	Z	-.401	-.401	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	-.942	-.942	0	%100
66	M62	Z	-.544	-.544	0	%100
67	M64	X	-.983	-.983	0	%100
68	M64	Z	-.568	-.568	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M67	X	-.942	-.942	0	%100
72	M67	Z	-.544	-.544	0	%100
73	M69	X	-.983	-.983	0	%100
74	M69	Z	-.568	-.568	0	%100
75	M74	X	-.733	-.733	0	%100
76	M74	Z	-.423	-.423	0	%100
77	M75	X	-2.932	-2.932	0	%100
78	M75	Z	-1.693	-1.693	0	%100
79	MP4A	X	-2.363	-2.363	0	%100
80	MP4A	Z	-1.364	-1.364	0	%100
81	MP3A	X	-2.616	-2.616	0	%100
82	MP3A	Z	-1.51	-1.51	0	%100
83	MP2A	X	-2.363	-2.363	0	%100
84	MP2A	Z	-1.364	-1.364	0	%100
85	MP1A	X	-2.363	-2.363	0	%100
86	MP1A	Z	-1.364	-1.364	0	%100
87	MP4C	X	-2.363	-2.363	0	%100
88	MP4C	Z	-1.364	-1.364	0	%100
89	MP3C	X	-2.616	-2.616	0	%100
90	MP3C	Z	-1.51	-1.51	0	%100
91	MP2C	X	-2.363	-2.363	0	%100
92	MP2C	Z	-1.364	-1.364	0	%100
93	MP1C	X	-2.363	-2.363	0	%100
94	MP1C	Z	-1.364	-1.364	0	%100
95	MP4B	X	-2.363	-2.363	0	%100
96	MP4B	Z	-1.364	-1.364	0	%100
97	MP3B	X	-2.616	-2.616	0	%100
98	MP3B	Z	-1.51	-1.51	0	%100
99	MP2B	X	-2.363	-2.363	0	%100
100	MP2B	Z	-1.364	-1.364	0	%100
101	MP1B	X	-2.363	-2.363	0	%100
102	MP1B	Z	-1.364	-1.364	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,%]
103	OVP	X	-2.168	-2.168	0	%100
104	OVP	Z	-1.251	-1.251	0	%100
105	M107	X	-.654	-.654	0	%100
106	M107	Z	-.378	-.378	0	%100
107	M115A	X	-.654	-.654	0	%100
108	M115A	Z	-.378	-.378	0	%100
109	M116A	X	-2.616	-2.616	0	%100
110	M116A	Z	-1.51	-1.51	0	%100
111	M123	X	-2.527	-2.527	0	%100
112	M123	Z	-1.459	-1.459	0	%100
113	M124	X	-.632	-.632	0	%100
114	M124	Z	-.365	-.365	0	%100
115	M125	X	-.632	-.632	0	%100
116	M125	Z	-.365	-.365	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.269	-1.269	0	%100
2	M1	Z	-2.199	-2.199	0	%100
3	M4	X	-.427	-.427	0	%100
4	M4	Z	-.74	-.74	0	%100
5	M10	X	-1.044	-1.044	0	%100
6	M10	Z	-1.809	-1.809	0	%100
7	M43	X	-1.044	-1.044	0	%100
8	M43	Z	-1.809	-1.809	0	%100
9	M46	X	-1.634	-1.634	0	%100
10	M46	Z	-2.83	-2.83	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-1.202	-1.202	0	%100
14	M52B	Z	-2.082	-2.082	0	%100
15	M76	X	-.536	-.536	0	%100
16	M76	Z	-.928	-.928	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-.536	-.536	0	%100
22	M84	Z	-.928	-.928	0	%100
23	M85	X	-1.631	-1.631	0	%100
24	M85	Z	-2.825	-2.825	0	%100
25	M91	X	-1.703	-1.703	0	%100
26	M91	Z	-2.949	-2.949	0	%100
27	M26	X	-1.709	-1.709	0	%100
28	M26	Z	-2.959	-2.959	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M32	X	-1.202	-1.202	0	%100
36	M32	Z	-2.082	-2.082	0	%100
37	M33	X	-1.202	-1.202	0	%100
38	M33	Z	-2.082	-2.082	0	%100
39	M37	X	-2.143	-2.143	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,%]
40	M37	Z	-3.711	-3.711	0	%100
41	M38	X	-1.631	-1.631	0	%100
42	M38	Z	-2.825	-2.825	0	%100
43	M40	X	-1.703	-1.703	0	%100
44	M40	Z	-2.949	-2.949	0	%100
45	M42	X	-2.143	-2.143	0	%100
46	M42	Z	-3.711	-3.711	0	%100
47	M43A	X	-1.631	-1.631	0	%100
48	M43A	Z	-2.825	-2.825	0	%100
49	M45	X	-1.703	-1.703	0	%100
50	M45	Z	-2.949	-2.949	0	%100
51	M50A	X	-.427	-.427	0	%100
52	M50A	Z	-.74	-.74	0	%100
53	M51C	X	-1.044	-1.044	0	%100
54	M51C	Z	-1.809	-1.809	0	%100
55	M52A	X	-1.044	-1.044	0	%100
56	M52A	Z	-1.809	-1.809	0	%100
57	M53	X	-1.634	-1.634	0	%100
58	M53	Z	-2.83	-2.83	0	%100
59	M56	X	-1.202	-1.202	0	%100
60	M56	Z	-2.082	-2.082	0	%100
61	M57	X	0	0	0	%100
62	M57	Z	0	0	0	%100
63	M61	X	-.536	-.536	0	%100
64	M61	Z	-.928	-.928	0	%100
65	M62	X	-1.631	-1.631	0	%100
66	M62	Z	-2.825	-2.825	0	%100
67	M64	X	-1.703	-1.703	0	%100
68	M64	Z	-2.949	-2.949	0	%100
69	M66	X	-.536	-.536	0	%100
70	M66	Z	-.928	-.928	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	0	0	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	0	0	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-1.269	-1.269	0	%100
78	M75	Z	-2.199	-2.199	0	%100
79	MP4A	X	-1.364	-1.364	0	%100
80	MP4A	Z	-2.363	-2.363	0	%100
81	MP3A	X	-1.51	-1.51	0	%100
82	MP3A	Z	-2.616	-2.616	0	%100
83	MP2A	X	-1.364	-1.364	0	%100
84	MP2A	Z	-2.363	-2.363	0	%100
85	MP1A	X	-1.364	-1.364	0	%100
86	MP1A	Z	-2.363	-2.363	0	%100
87	MP4C	X	-1.364	-1.364	0	%100
88	MP4C	Z	-2.363	-2.363	0	%100
89	MP3C	X	-1.51	-1.51	0	%100
90	MP3C	Z	-2.616	-2.616	0	%100
91	MP2C	X	-1.364	-1.364	0	%100
92	MP2C	Z	-2.363	-2.363	0	%100
93	MP1C	X	-1.364	-1.364	0	%100
94	MP1C	Z	-2.363	-2.363	0	%100
95	MP4B	X	-1.364	-1.364	0	%100
96	MP4B	Z	-2.363	-2.363	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,%]
97	MP3B	X	-1.51	-1.51	0	%100
98	MP3B	Z	-2.616	-2.616	0	%100
99	MP2B	X	-1.364	-1.364	0	%100
100	MP2B	Z	-2.363	-2.363	0	%100
101	MP1B	X	-1.364	-1.364	0	%100
102	MP1B	Z	-2.363	-2.363	0	%100
103	OVP	X	-1.251	-1.251	0	%100
104	OVP	Z	-2.168	-2.168	0	%100
105	M107	X	-1.133	-1.133	0	%100
106	M107	Z	-1.962	-1.962	0	%100
107	M115A	X	0	0	0	%100
108	M115A	Z	0	0	0	%100
109	M116A	X	-1.133	-1.133	0	%100
110	M116A	Z	-1.962	-1.962	0	%100
111	M123	X	-1.094	-1.094	0	%100
112	M123	Z	-1.896	-1.896	0	%100
113	M124	X	-1.094	-1.094	0	%100
114	M124	Z	-1.896	-1.896	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.735	-.735	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.632	-.632	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	-.632	-.632	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	-1.261	-1.261	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	-.175	-.175	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	-.175	-.175	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	-.321	-.321	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	-.338	-.338	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-.321	-.321	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-.338	-.338	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.56	-.56	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.158	-.158	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.158	-.158	0	%100
33	M29	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,%]
34	M29	Z	-.315	-.315	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-.175	-.175	0	%100
37	M33	X	0	0	0	%100
38	M33	Z	-.7	-.7	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-.946	-.946	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	-.321	-.321	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-.338	-.338	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-.946	-.946	0	%100
47	M43A	X	0	0	0	%100
48	M43A	Z	-1.284	-1.284	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-1.353	-1.353	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-.56	-.56	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-.158	-.158	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-.158	-.158	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	-.315	-.315	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-.7	-.7	0	%100
61	M57	X	0	0	0	%100
62	M57	Z	-.175	-.175	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-.946	-.946	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	-1.284	-1.284	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	-1.353	-1.353	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-.946	-.946	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	-.321	-.321	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	-.338	-.338	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.184	-.184	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.184	-.184	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	-.499	-.499	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	-.604	-.604	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	-.499	-.499	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-.499	-.499	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-.499	-.499	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-.604	-.604	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,%]
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-.499	-.499	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-.499	-.499	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-.499	-.499	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-.604	-.604	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-.499	-.499	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.499	-.499	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	-.455	-.455	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	-.604	-.604	0	%100
107	M115A	X	0	0	0	%100
108	M115A	Z	-.151	-.151	0	%100
109	M116A	X	0	0	0	%100
110	M116A	Z	-.151	-.151	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.18	-.18	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-.718	-.718	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.18	-.18	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.276	.276	0	%100
2	M1	Z	-.478	-.478	0	%100
3	M4	X	.093	.093	0	%100
4	M4	Z	-.162	-.162	0	%100
5	M10	X	.237	.237	0	%100
6	M10	Z	-.411	-.411	0	%100
7	M43	X	.237	.237	0	%100
8	M43	Z	-.411	-.411	0	%100
9	M46	X	.473	.473	0	%100
10	M46	Z	-.819	-.819	0	%100
11	M51B	X	.263	.263	0	%100
12	M51B	Z	-.455	-.455	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	.158	.158	0	%100
16	M76	Z	-.273	-.273	0	%100
17	M77	X	.482	.482	0	%100
18	M77	Z	-.834	-.834	0	%100
19	M80	X	.507	.507	0	%100
20	M80	Z	-.879	-.879	0	%100
21	M84	X	.158	.158	0	%100
22	M84	Z	-.273	-.273	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M26	X	.093	.093	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,%]
28	M26	Z	-.162	-.162	0	%100
29	M27	X	.237	.237	0	%100
30	M27	Z	-.411	-.411	0	%100
31	M28	X	.237	.237	0	%100
32	M28	Z	-.411	-.411	0	%100
33	M29	X	.473	.473	0	%100
34	M29	Z	-.819	-.819	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M33	X	.263	.263	0	%100
38	M33	Z	-.455	-.455	0	%100
39	M37	X	.158	.158	0	%100
40	M37	Z	-.273	-.273	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	.158	.158	0	%100
46	M42	Z	-.273	-.273	0	%100
47	M43A	X	.482	.482	0	%100
48	M43A	Z	-.834	-.834	0	%100
49	M45	X	.507	.507	0	%100
50	M45	Z	-.879	-.879	0	%100
51	M50A	X	.374	.374	0	%100
52	M50A	Z	-.647	-.647	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M56	X	.263	.263	0	%100
60	M56	Z	-.455	-.455	0	%100
61	M57	X	.263	.263	0	%100
62	M57	Z	-.455	-.455	0	%100
63	M61	X	.63	.63	0	%100
64	M61	Z	-1.092	-1.092	0	%100
65	M62	X	.482	.482	0	%100
66	M62	Z	-.834	-.834	0	%100
67	M64	X	.507	.507	0	%100
68	M64	Z	-.879	-.879	0	%100
69	M66	X	.63	.63	0	%100
70	M66	Z	-1.092	-1.092	0	%100
71	M67	X	.482	.482	0	%100
72	M67	Z	-.834	-.834	0	%100
73	M69	X	.507	.507	0	%100
74	M69	Z	-.879	-.879	0	%100
75	M74	X	.276	.276	0	%100
76	M74	Z	-.478	-.478	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP4A	X	.25	.25	0	%100
80	MP4A	Z	-.432	-.432	0	%100
81	MP3A	X	.302	.302	0	%100
82	MP3A	Z	-.523	-.523	0	%100
83	MP2A	X	.25	.25	0	%100
84	MP2A	Z	-.432	-.432	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,%]
85	MP1A	X	.25	.25	0	%100
86	MP1A	Z	-.432	-.432	0	%100
87	MP4C	X	.25	.25	0	%100
88	MP4C	Z	-.432	-.432	0	%100
89	MP3C	X	.302	.302	0	%100
90	MP3C	Z	-.523	-.523	0	%100
91	MP2C	X	.25	.25	0	%100
92	MP2C	Z	-.432	-.432	0	%100
93	MP1C	X	.25	.25	0	%100
94	MP1C	Z	-.432	-.432	0	%100
95	MP4B	X	.25	.25	0	%100
96	MP4B	Z	-.432	-.432	0	%100
97	MP3B	X	.302	.302	0	%100
98	MP3B	Z	-.523	-.523	0	%100
99	MP2B	X	.25	.25	0	%100
100	MP2B	Z	-.432	-.432	0	%100
101	MP1B	X	.25	.25	0	%100
102	MP1B	Z	-.432	-.432	0	%100
103	OVP	X	.227	.227	0	%100
104	OVP	Z	-.394	-.394	0	%100
105	M107	X	.227	.227	0	%100
106	M107	Z	-.392	-.392	0	%100
107	M115A	X	.227	.227	0	%100
108	M115A	Z	-.392	-.392	0	%100
109	M116A	X	0	0	0	%100
110	M116A	Z	0	0	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	.269	.269	0	%100
114	M124	Z	-.466	-.466	0	%100
115	M125	X	.269	.269	0	%100
116	M125	Z	-.466	-.466	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.159	.159	0	%100
2	M1	Z	-.092	-.092	0	%100
3	M4	X	.485	.485	0	%100
4	M4	Z	-.28	-.28	0	%100
5	M10	X	.137	.137	0	%100
6	M10	Z	-.079	-.079	0	%100
7	M43	X	.137	.137	0	%100
8	M43	Z	-.079	-.079	0	%100
9	M46	X	.273	.273	0	%100
10	M46	Z	-.158	-.158	0	%100
11	M51B	X	.606	.606	0	%100
12	M51B	Z	-.35	-.35	0	%100
13	M52B	X	.152	.152	0	%100
14	M52B	Z	-.088	-.088	0	%100
15	M76	X	.819	.819	0	%100
16	M76	Z	-.473	-.473	0	%100
17	M77	X	1.112	1.112	0	%100
18	M77	Z	-.642	-.642	0	%100
19	M80	X	1.171	1.171	0	%100
20	M80	Z	-.676	-.676	0	%100
21	M84	X	.819	.819	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M84	Z	-.473	-.473	0	%100
23	M85	X	.278	.278	0	%100
24	M85	Z	-.161	-.161	0	%100
25	M91	X	.293	.293	0	%100
26	M91	Z	-.169	-.169	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	.547	.547	0	%100
30	M27	Z	-.316	-.316	0	%100
31	M28	X	.547	.547	0	%100
32	M28	Z	-.316	-.316	0	%100
33	M29	X	1.092	1.092	0	%100
34	M29	Z	-.63	-.63	0	%100
35	M32	X	.152	.152	0	%100
36	M32	Z	-.088	-.088	0	%100
37	M33	X	.152	.152	0	%100
38	M33	Z	-.088	-.088	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	.278	.278	0	%100
42	M38	Z	-.161	-.161	0	%100
43	M40	X	.293	.293	0	%100
44	M40	Z	-.169	-.169	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M43A	X	.278	.278	0	%100
48	M43A	Z	-.161	-.161	0	%100
49	M45	X	.293	.293	0	%100
50	M45	Z	-.169	-.169	0	%100
51	M50A	X	.485	.485	0	%100
52	M50A	Z	-.28	-.28	0	%100
53	M51C	X	.137	.137	0	%100
54	M51C	Z	-.079	-.079	0	%100
55	M52A	X	.137	.137	0	%100
56	M52A	Z	-.079	-.079	0	%100
57	M53	X	.273	.273	0	%100
58	M53	Z	-.158	-.158	0	%100
59	M56	X	.152	.152	0	%100
60	M56	Z	-.088	-.088	0	%100
61	M57	X	.606	.606	0	%100
62	M57	Z	-.35	-.35	0	%100
63	M61	X	.819	.819	0	%100
64	M61	Z	-.473	-.473	0	%100
65	M62	X	.278	.278	0	%100
66	M62	Z	-.161	-.161	0	%100
67	M64	X	.293	.293	0	%100
68	M64	Z	-.169	-.169	0	%100
69	M66	X	.819	.819	0	%100
70	M66	Z	-.473	-.473	0	%100
71	M67	X	1.112	1.112	0	%100
72	M67	Z	-.642	-.642	0	%100
73	M69	X	1.171	1.171	0	%100
74	M69	Z	-.676	-.676	0	%100
75	M74	X	.637	.637	0	%100
76	M74	Z	-.368	-.368	0	%100
77	M75	X	.159	.159	0	%100
78	M75	Z	-.092	-.092	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,%]
79	MP4A	X	.432	.432	0	%100
80	MP4A	Z	-.25	-.25	0	%100
81	MP3A	X	.523	.523	0	%100
82	MP3A	Z	-.302	-.302	0	%100
83	MP2A	X	.432	.432	0	%100
84	MP2A	Z	-.25	-.25	0	%100
85	MP1A	X	.432	.432	0	%100
86	MP1A	Z	-.25	-.25	0	%100
87	MP4C	X	.432	.432	0	%100
88	MP4C	Z	-.25	-.25	0	%100
89	MP3C	X	.523	.523	0	%100
90	MP3C	Z	-.302	-.302	0	%100
91	MP2C	X	.432	.432	0	%100
92	MP2C	Z	-.25	-.25	0	%100
93	MP1C	X	.432	.432	0	%100
94	MP1C	Z	-.25	-.25	0	%100
95	MP4B	X	.432	.432	0	%100
96	MP4B	Z	-.25	-.25	0	%100
97	MP3B	X	.523	.523	0	%100
98	MP3B	Z	-.302	-.302	0	%100
99	MP2B	X	.432	.432	0	%100
100	MP2B	Z	-.25	-.25	0	%100
101	MP1B	X	.432	.432	0	%100
102	MP1B	Z	-.25	-.25	0	%100
103	OVP	X	.394	.394	0	%100
104	OVP	Z	-.227	-.227	0	%100
105	M107	X	.131	.131	0	%100
106	M107	Z	-.076	-.076	0	%100
107	M115A	X	.523	.523	0	%100
108	M115A	Z	-.302	-.302	0	%100
109	M116A	X	.131	.131	0	%100
110	M116A	Z	-.076	-.076	0	%100
111	M123	X	.155	.155	0	%100
112	M123	Z	-.09	-.09	0	%100
113	M124	X	.155	.155	0	%100
114	M124	Z	-.09	-.09	0	%100
115	M125	X	.622	.622	0	%100
116	M125	Z	-.359	-.359	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.747	.747	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	.525	.525	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	.525	.525	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	1.261	1.261	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,%]
16	M76	Z	0	0	0	%100
17	M77	X	.963	.963	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	1.014	1.014	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	1.261	1.261	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	.963	.963	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	1.014	1.014	0	%100
26	M91	Z	0	0	0	%100
27	M26	X	.187	.187	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	.474	.474	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	.474	.474	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	.946	.946	0	%100
34	M29	Z	0	0	0	%100
35	M32	X	.525	.525	0	%100
36	M32	Z	0	0	0	%100
37	M33	X	0	0	0	%100
38	M33	Z	0	0	0	%100
39	M37	X	.315	.315	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	.963	.963	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	1.014	1.014	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	.315	.315	0	%100
46	M42	Z	0	0	0	%100
47	M43A	X	0	0	0	%100
48	M43A	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M50A	X	.187	.187	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	.474	.474	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	.474	.474	0	%100
56	M52A	Z	0	0	0	%100
57	M53	X	.946	.946	0	%100
58	M53	Z	0	0	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M57	X	.525	.525	0	%100
62	M57	Z	0	0	0	%100
63	M61	X	.315	.315	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M66	X	.315	.315	0	%100
70	M66	Z	0	0	0	%100
71	M67	X	.963	.963	0	%100
72	M67	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M69	X	1.014	1.014	0	%100
74	M69	Z	0	0	0	%100
75	M74	X	.552	.552	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.552	.552	0	%100
78	M75	Z	0	0	0	%100
79	MP4A	X	.499	.499	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	.604	.604	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	.499	.499	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	.499	.499	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	.499	.499	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	.604	.604	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	.499	.499	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	.499	.499	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	.499	.499	0	%100
96	MP4B	Z	0	0	0	%100
97	MP3B	X	.604	.604	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	.499	.499	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	.499	.499	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	.455	.455	0	%100
104	OVP	Z	0	0	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	0	0	0	%100
107	M115A	X	.453	.453	0	%100
108	M115A	Z	0	0	0	%100
109	M116A	X	.453	.453	0	%100
110	M116A	Z	0	0	0	%100
111	M123	X	.539	.539	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	.539	.539	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.159	.159	0	%100
2	M1	Z	.092	.092	0	%100
3	M4	X	.485	.485	0	%100
4	M4	Z	.28	.28	0	%100
5	M10	X	.137	.137	0	%100
6	M10	Z	.079	.079	0	%100
7	M43	X	.137	.137	0	%100
8	M43	Z	.079	.079	0	%100
9	M46	X	.273	.273	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,%]
10	M46	Z	.158	.158	0	%100
11	M51B	X	.152	.152	0	%100
12	M51B	Z	.088	.088	0	%100
13	M52B	X	.606	.606	0	%100
14	M52B	Z	.35	.35	0	%100
15	M76	X	.819	.819	0	%100
16	M76	Z	.473	.473	0	%100
17	M77	X	.278	.278	0	%100
18	M77	Z	.161	.161	0	%100
19	M80	X	.293	.293	0	%100
20	M80	Z	.169	.169	0	%100
21	M84	X	.819	.819	0	%100
22	M84	Z	.473	.473	0	%100
23	M85	X	1.112	1.112	0	%100
24	M85	Z	.642	.642	0	%100
25	M91	X	1.171	1.171	0	%100
26	M91	Z	.676	.676	0	%100
27	M26	X	.485	.485	0	%100
28	M26	Z	.28	.28	0	%100
29	M27	X	.137	.137	0	%100
30	M27	Z	.079	.079	0	%100
31	M28	X	.137	.137	0	%100
32	M28	Z	.079	.079	0	%100
33	M29	X	.273	.273	0	%100
34	M29	Z	.158	.158	0	%100
35	M32	X	.606	.606	0	%100
36	M32	Z	.35	.35	0	%100
37	M33	X	.152	.152	0	%100
38	M33	Z	.088	.088	0	%100
39	M37	X	.819	.819	0	%100
40	M37	Z	.473	.473	0	%100
41	M38	X	1.112	1.112	0	%100
42	M38	Z	.642	.642	0	%100
43	M40	X	1.171	1.171	0	%100
44	M40	Z	.676	.676	0	%100
45	M42	X	.819	.819	0	%100
46	M42	Z	.473	.473	0	%100
47	M43A	X	.278	.278	0	%100
48	M43A	Z	.161	.161	0	%100
49	M45	X	.293	.293	0	%100
50	M45	Z	.169	.169	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	.547	.547	0	%100
54	M51C	Z	.316	.316	0	%100
55	M52A	X	.547	.547	0	%100
56	M52A	Z	.316	.316	0	%100
57	M53	X	1.092	1.092	0	%100
58	M53	Z	.63	.63	0	%100
59	M56	X	.152	.152	0	%100
60	M56	Z	.088	.088	0	%100
61	M57	X	.152	.152	0	%100
62	M57	Z	.088	.088	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	.278	.278	0	%100
66	M62	Z	.161	.161	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,%]
67	M64	X	.293	.293	0	%100
68	M64	Z	.169	.169	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M67	X	.278	.278	0	%100
72	M67	Z	.161	.161	0	%100
73	M69	X	.293	.293	0	%100
74	M69	Z	.169	.169	0	%100
75	M74	X	.159	.159	0	%100
76	M74	Z	.092	.092	0	%100
77	M75	X	.637	.637	0	%100
78	M75	Z	.368	.368	0	%100
79	MP4A	X	.432	.432	0	%100
80	MP4A	Z	.25	.25	0	%100
81	MP3A	X	.523	.523	0	%100
82	MP3A	Z	.302	.302	0	%100
83	MP2A	X	.432	.432	0	%100
84	MP2A	Z	.25	.25	0	%100
85	MP1A	X	.432	.432	0	%100
86	MP1A	Z	.25	.25	0	%100
87	MP4C	X	.432	.432	0	%100
88	MP4C	Z	.25	.25	0	%100
89	MP3C	X	.523	.523	0	%100
90	MP3C	Z	.302	.302	0	%100
91	MP2C	X	.432	.432	0	%100
92	MP2C	Z	.25	.25	0	%100
93	MP1C	X	.432	.432	0	%100
94	MP1C	Z	.25	.25	0	%100
95	MP4B	X	.432	.432	0	%100
96	MP4B	Z	.25	.25	0	%100
97	MP3B	X	.523	.523	0	%100
98	MP3B	Z	.302	.302	0	%100
99	MP2B	X	.432	.432	0	%100
100	MP2B	Z	.25	.25	0	%100
101	MP1B	X	.432	.432	0	%100
102	MP1B	Z	.25	.25	0	%100
103	OVP	X	.394	.394	0	%100
104	OVP	Z	.227	.227	0	%100
105	M107	X	.131	.131	0	%100
106	M107	Z	.076	.076	0	%100
107	M115A	X	.131	.131	0	%100
108	M115A	Z	.076	.076	0	%100
109	M116A	X	.523	.523	0	%100
110	M116A	Z	.302	.302	0	%100
111	M123	X	.622	.622	0	%100
112	M123	Z	.359	.359	0	%100
113	M124	X	.155	.155	0	%100
114	M124	Z	.09	.09	0	%100
115	M125	X	.155	.155	0	%100
116	M125	Z	.09	.09	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.276	.276	0	%100
2	M1	Z	.478	.478	0	%100
3	M4	X	.093	.093	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,%]
4	M4	Z	.162	.162	0	%100
5	M10	X	.237	.237	0	%100
6	M10	Z	.411	.411	0	%100
7	M43	X	.237	.237	0	%100
8	M43	Z	.411	.411	0	%100
9	M46	X	.473	.473	0	%100
10	M46	Z	.819	.819	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	.263	.263	0	%100
14	M52B	Z	.455	.455	0	%100
15	M76	X	.158	.158	0	%100
16	M76	Z	.273	.273	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	.158	.158	0	%100
22	M84	Z	.273	.273	0	%100
23	M85	X	.482	.482	0	%100
24	M85	Z	.834	.834	0	%100
25	M91	X	.507	.507	0	%100
26	M91	Z	.879	.879	0	%100
27	M26	X	.374	.374	0	%100
28	M26	Z	.647	.647	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M32	X	.263	.263	0	%100
36	M32	Z	.455	.455	0	%100
37	M33	X	.263	.263	0	%100
38	M33	Z	.455	.455	0	%100
39	M37	X	.63	.63	0	%100
40	M37	Z	1.092	1.092	0	%100
41	M38	X	.482	.482	0	%100
42	M38	Z	.834	.834	0	%100
43	M40	X	.507	.507	0	%100
44	M40	Z	.879	.879	0	%100
45	M42	X	.63	.63	0	%100
46	M42	Z	1.092	1.092	0	%100
47	M43A	X	.482	.482	0	%100
48	M43A	Z	.834	.834	0	%100
49	M45	X	.507	.507	0	%100
50	M45	Z	.879	.879	0	%100
51	M50A	X	.093	.093	0	%100
52	M50A	Z	.162	.162	0	%100
53	M51C	X	.237	.237	0	%100
54	M51C	Z	.411	.411	0	%100
55	M52A	X	.237	.237	0	%100
56	M52A	Z	.411	.411	0	%100
57	M53	X	.473	.473	0	%100
58	M53	Z	.819	.819	0	%100
59	M56	X	.263	.263	0	%100
60	M56	Z	.455	.455	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,%]
61	M57	X	0	0	0	%100
62	M57	Z	0	0	0	%100
63	M61	X	.158	.158	0	%100
64	M61	Z	.273	.273	0	%100
65	M62	X	.482	.482	0	%100
66	M62	Z	.834	.834	0	%100
67	M64	X	.507	.507	0	%100
68	M64	Z	.879	.879	0	%100
69	M66	X	.158	.158	0	%100
70	M66	Z	.273	.273	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	0	0	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	0	0	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.276	.276	0	%100
78	M75	Z	.478	.478	0	%100
79	MP4A	X	.25	.25	0	%100
80	MP4A	Z	.432	.432	0	%100
81	MP3A	X	.302	.302	0	%100
82	MP3A	Z	.523	.523	0	%100
83	MP2A	X	.25	.25	0	%100
84	MP2A	Z	.432	.432	0	%100
85	MP1A	X	.25	.25	0	%100
86	MP1A	Z	.432	.432	0	%100
87	MP4C	X	.25	.25	0	%100
88	MP4C	Z	.432	.432	0	%100
89	MP3C	X	.302	.302	0	%100
90	MP3C	Z	.523	.523	0	%100
91	MP2C	X	.25	.25	0	%100
92	MP2C	Z	.432	.432	0	%100
93	MP1C	X	.25	.25	0	%100
94	MP1C	Z	.432	.432	0	%100
95	MP4B	X	.25	.25	0	%100
96	MP4B	Z	.432	.432	0	%100
97	MP3B	X	.302	.302	0	%100
98	MP3B	Z	.523	.523	0	%100
99	MP2B	X	.25	.25	0	%100
100	MP2B	Z	.432	.432	0	%100
101	MP1B	X	.25	.25	0	%100
102	MP1B	Z	.432	.432	0	%100
103	OVP	X	.227	.227	0	%100
104	OVP	Z	.394	.394	0	%100
105	M107	X	.227	.227	0	%100
106	M107	Z	.392	.392	0	%100
107	M115A	X	0	0	0	%100
108	M115A	Z	0	0	0	%100
109	M116A	X	.227	.227	0	%100
110	M116A	Z	.392	.392	0	%100
111	M123	X	.269	.269	0	%100
112	M123	Z	.466	.466	0	%100
113	M124	X	.269	.269	0	%100
114	M124	Z	.466	.466	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.735	.735	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.632	.632	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	.632	.632	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	1.261	1.261	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	.175	.175	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	.175	.175	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	.321	.321	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	.338	.338	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	.321	.321	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	.338	.338	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.56	.56	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.158	.158	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.158	.158	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	.315	.315	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	.175	.175	0	%100
37	M33	X	0	0	0	%100
38	M33	Z	.7	.7	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	.946	.946	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	.321	.321	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	.338	.338	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	.946	.946	0	%100
47	M43A	X	0	0	0	%100
48	M43A	Z	1.284	1.284	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	1.353	1.353	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	.56	.56	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	.158	.158	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	.158	.158	0	%100
57	M53	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	M53	Z	.315	.315	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	.7	.7	0	%100
61	M57	X	0	0	0	%100
62	M57	Z	.175	.175	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	.946	.946	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	1.284	1.284	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	1.353	1.353	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	.946	.946	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	.321	.321	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	.338	.338	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.184	.184	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.184	.184	0	%100
79	MP4A	X	0	0	0	%100
80	MP4A	Z	.499	.499	0	%100
81	MP3A	X	0	0	0	%100
82	MP3A	Z	.604	.604	0	%100
83	MP2A	X	0	0	0	%100
84	MP2A	Z	.499	.499	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	.499	.499	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	.499	.499	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	.604	.604	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.499	.499	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	.499	.499	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	.499	.499	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	.604	.604	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	.499	.499	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.499	.499	0	%100
103	OVP	X	0	0	0	%100
104	OVP	Z	.455	.455	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	.604	.604	0	%100
107	M115A	X	0	0	0	%100
108	M115A	Z	.151	.151	0	%100
109	M116A	X	0	0	0	%100
110	M116A	Z	.151	.151	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.18	.18	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	.718	.718	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,%]
115	M125	X	0	0	0	%100
116	M125	Z	.18	.18	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.276	-.276	0	%100
2	M1	Z	.478	.478	0	%100
3	M4	X	-.093	-.093	0	%100
4	M4	Z	.162	.162	0	%100
5	M10	X	-.237	-.237	0	%100
6	M10	Z	.411	.411	0	%100
7	M43	X	-.237	-.237	0	%100
8	M43	Z	.411	.411	0	%100
9	M46	X	-.473	-.473	0	%100
10	M46	Z	.819	.819	0	%100
11	M51B	X	-.263	-.263	0	%100
12	M51B	Z	.455	.455	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-.158	-.158	0	%100
16	M76	Z	.273	.273	0	%100
17	M77	X	-.482	-.482	0	%100
18	M77	Z	.834	.834	0	%100
19	M80	X	-.507	-.507	0	%100
20	M80	Z	.879	.879	0	%100
21	M84	X	-.158	-.158	0	%100
22	M84	Z	.273	.273	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M26	X	-.093	-.093	0	%100
28	M26	Z	.162	.162	0	%100
29	M27	X	-.237	-.237	0	%100
30	M27	Z	.411	.411	0	%100
31	M28	X	-.237	-.237	0	%100
32	M28	Z	.411	.411	0	%100
33	M29	X	-.473	-.473	0	%100
34	M29	Z	.819	.819	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M33	X	-.263	-.263	0	%100
38	M33	Z	.455	.455	0	%100
39	M37	X	-.158	-.158	0	%100
40	M37	Z	.273	.273	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	-.158	-.158	0	%100
46	M42	Z	.273	.273	0	%100
47	M43A	X	-.482	-.482	0	%100
48	M43A	Z	.834	.834	0	%100
49	M45	X	-.507	-.507	0	%100
50	M45	Z	.879	.879	0	%100
51	M50A	X	-.374	-.374	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,%]
52	M50A	Z	.647	.647	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M56	X	-.263	-.263	0	%100
60	M56	Z	.455	.455	0	%100
61	M57	X	-.263	-.263	0	%100
62	M57	Z	.455	.455	0	%100
63	M61	X	-.63	-.63	0	%100
64	M61	Z	1.092	1.092	0	%100
65	M62	X	-.482	-.482	0	%100
66	M62	Z	.834	.834	0	%100
67	M64	X	-.507	-.507	0	%100
68	M64	Z	.879	.879	0	%100
69	M66	X	-.63	-.63	0	%100
70	M66	Z	1.092	1.092	0	%100
71	M67	X	-.482	-.482	0	%100
72	M67	Z	.834	.834	0	%100
73	M69	X	-.507	-.507	0	%100
74	M69	Z	.879	.879	0	%100
75	M74	X	-.276	-.276	0	%100
76	M74	Z	.478	.478	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP4A	X	-.25	-.25	0	%100
80	MP4A	Z	.432	.432	0	%100
81	MP3A	X	-.302	-.302	0	%100
82	MP3A	Z	.523	.523	0	%100
83	MP2A	X	-.25	-.25	0	%100
84	MP2A	Z	.432	.432	0	%100
85	MP1A	X	-.25	-.25	0	%100
86	MP1A	Z	.432	.432	0	%100
87	MP4C	X	-.25	-.25	0	%100
88	MP4C	Z	.432	.432	0	%100
89	MP3C	X	-.302	-.302	0	%100
90	MP3C	Z	.523	.523	0	%100
91	MP2C	X	-.25	-.25	0	%100
92	MP2C	Z	.432	.432	0	%100
93	MP1C	X	-.25	-.25	0	%100
94	MP1C	Z	.432	.432	0	%100
95	MP4B	X	-.25	-.25	0	%100
96	MP4B	Z	.432	.432	0	%100
97	MP3B	X	-.302	-.302	0	%100
98	MP3B	Z	.523	.523	0	%100
99	MP2B	X	-.25	-.25	0	%100
100	MP2B	Z	.432	.432	0	%100
101	MP1B	X	-.25	-.25	0	%100
102	MP1B	Z	.432	.432	0	%100
103	OVP	X	-.227	-.227	0	%100
104	OVP	Z	.394	.394	0	%100
105	M107	X	-.227	-.227	0	%100
106	M107	Z	.392	.392	0	%100
107	M115A	X	-.227	-.227	0	%100
108	M115A	Z	.392	.392	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,%]
109	M116A	X	0	0	0	%100
110	M116A	Z	0	0	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-.269	-.269	0	%100
114	M124	Z	.466	.466	0	%100
115	M125	X	-.269	-.269	0	%100
116	M125	Z	.466	.466	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.159	-.159	0	%100
2	M1	Z	.092	.092	0	%100
3	M4	X	-.485	-.485	0	%100
4	M4	Z	.28	.28	0	%100
5	M10	X	-.137	-.137	0	%100
6	M10	Z	.079	.079	0	%100
7	M43	X	-.137	-.137	0	%100
8	M43	Z	.079	.079	0	%100
9	M46	X	-.273	-.273	0	%100
10	M46	Z	.158	.158	0	%100
11	M51B	X	-.606	-.606	0	%100
12	M51B	Z	.35	.35	0	%100
13	M52B	X	-.152	-.152	0	%100
14	M52B	Z	.088	.088	0	%100
15	M76	X	-.819	-.819	0	%100
16	M76	Z	.473	.473	0	%100
17	M77	X	-1.112	-1.112	0	%100
18	M77	Z	.642	.642	0	%100
19	M80	X	-1.171	-1.171	0	%100
20	M80	Z	.676	.676	0	%100
21	M84	X	-.819	-.819	0	%100
22	M84	Z	.473	.473	0	%100
23	M85	X	-.278	-.278	0	%100
24	M85	Z	.161	.161	0	%100
25	M91	X	-.293	-.293	0	%100
26	M91	Z	.169	.169	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-.547	-.547	0	%100
30	M27	Z	.316	.316	0	%100
31	M28	X	-.547	-.547	0	%100
32	M28	Z	.316	.316	0	%100
33	M29	X	-1.092	-1.092	0	%100
34	M29	Z	.63	.63	0	%100
35	M32	X	-.152	-.152	0	%100
36	M32	Z	.088	.088	0	%100
37	M33	X	-.152	-.152	0	%100
38	M33	Z	.088	.088	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M38	X	-.278	-.278	0	%100
42	M38	Z	.161	.161	0	%100
43	M40	X	-.293	-.293	0	%100
44	M40	Z	.169	.169	0	%100
45	M42	X	0	0	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,%]
46	M42	Z	0	0	0	%100
47	M43A	X	-.278	-.278	0	%100
48	M43A	Z	.161	.161	0	%100
49	M45	X	-.293	-.293	0	%100
50	M45	Z	.169	.169	0	%100
51	M50A	X	-.485	-.485	0	%100
52	M50A	Z	.28	.28	0	%100
53	M51C	X	-.137	-.137	0	%100
54	M51C	Z	.079	.079	0	%100
55	M52A	X	-.137	-.137	0	%100
56	M52A	Z	.079	.079	0	%100
57	M53	X	-.273	-.273	0	%100
58	M53	Z	.158	.158	0	%100
59	M56	X	-.152	-.152	0	%100
60	M56	Z	.088	.088	0	%100
61	M57	X	-.606	-.606	0	%100
62	M57	Z	.35	.35	0	%100
63	M61	X	-.819	-.819	0	%100
64	M61	Z	.473	.473	0	%100
65	M62	X	-.278	-.278	0	%100
66	M62	Z	.161	.161	0	%100
67	M64	X	-.293	-.293	0	%100
68	M64	Z	.169	.169	0	%100
69	M66	X	-.819	-.819	0	%100
70	M66	Z	.473	.473	0	%100
71	M67	X	-1.112	-1.112	0	%100
72	M67	Z	.642	.642	0	%100
73	M69	X	-1.171	-1.171	0	%100
74	M69	Z	.676	.676	0	%100
75	M74	X	-.637	-.637	0	%100
76	M74	Z	.368	.368	0	%100
77	M75	X	-.159	-.159	0	%100
78	M75	Z	.092	.092	0	%100
79	MP4A	X	-.432	-.432	0	%100
80	MP4A	Z	.25	.25	0	%100
81	MP3A	X	-.523	-.523	0	%100
82	MP3A	Z	.302	.302	0	%100
83	MP2A	X	-.432	-.432	0	%100
84	MP2A	Z	.25	.25	0	%100
85	MP1A	X	-.432	-.432	0	%100
86	MP1A	Z	.25	.25	0	%100
87	MP4C	X	-.432	-.432	0	%100
88	MP4C	Z	.25	.25	0	%100
89	MP3C	X	-.523	-.523	0	%100
90	MP3C	Z	.302	.302	0	%100
91	MP2C	X	-.432	-.432	0	%100
92	MP2C	Z	.25	.25	0	%100
93	MP1C	X	-.432	-.432	0	%100
94	MP1C	Z	.25	.25	0	%100
95	MP4B	X	-.432	-.432	0	%100
96	MP4B	Z	.25	.25	0	%100
97	MP3B	X	-.523	-.523	0	%100
98	MP3B	Z	.302	.302	0	%100
99	MP2B	X	-.432	-.432	0	%100
100	MP2B	Z	.25	.25	0	%100
101	MP1B	X	-.432	-.432	0	%100
102	MP1B	Z	.25	.25	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,%]
103	OVP	X	-.394	-.394	0	%100
104	OVP	Z	.227	.227	0	%100
105	M107	X	-.131	-.131	0	%100
106	M107	Z	.076	.076	0	%100
107	M115A	X	-.523	-.523	0	%100
108	M115A	Z	.302	.302	0	%100
109	M116A	X	-.131	-.131	0	%100
110	M116A	Z	.076	.076	0	%100
111	M123	X	-.155	-.155	0	%100
112	M123	Z	.09	.09	0	%100
113	M124	X	-.155	-.155	0	%100
114	M124	Z	.09	.09	0	%100
115	M125	X	-.622	-.622	0	%100
116	M125	Z	.359	.359	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.747	-.747	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	-.525	-.525	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-.525	-.525	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-1.261	-1.261	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	-.963	-.963	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	-1.014	-1.014	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-1.261	-1.261	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	-.963	-.963	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	-1.014	-1.014	0	%100
26	M91	Z	0	0	0	%100
27	M26	X	-.187	-.187	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-.474	-.474	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-.474	-.474	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-.946	-.946	0	%100
34	M29	Z	0	0	0	%100
35	M32	X	-.525	-.525	0	%100
36	M32	Z	0	0	0	%100
37	M33	X	0	0	0	%100
38	M33	Z	0	0	0	%100
39	M37	X	-.315	-.315	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,%]
40	M37	Z	0	0	0	%100
41	M38	X	-.963	-.963	0	%100
42	M38	Z	0	0	0	%100
43	M40	X	-1.014	-1.014	0	%100
44	M40	Z	0	0	0	%100
45	M42	X	-.315	-.315	0	%100
46	M42	Z	0	0	0	%100
47	M43A	X	0	0	0	%100
48	M43A	Z	0	0	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	0	0	0	%100
51	M50A	X	-.187	-.187	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-.474	-.474	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-.474	-.474	0	%100
56	M52A	Z	0	0	0	%100
57	M53	X	-.946	-.946	0	%100
58	M53	Z	0	0	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M57	X	-.525	-.525	0	%100
62	M57	Z	0	0	0	%100
63	M61	X	-.315	-.315	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	0	0	0	%100
66	M62	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M66	X	-.315	-.315	0	%100
70	M66	Z	0	0	0	%100
71	M67	X	-.963	-.963	0	%100
72	M67	Z	0	0	0	%100
73	M69	X	-1.014	-1.014	0	%100
74	M69	Z	0	0	0	%100
75	M74	X	-.552	-.552	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.552	-.552	0	%100
78	M75	Z	0	0	0	%100
79	MP4A	X	-.499	-.499	0	%100
80	MP4A	Z	0	0	0	%100
81	MP3A	X	-.604	-.604	0	%100
82	MP3A	Z	0	0	0	%100
83	MP2A	X	-.499	-.499	0	%100
84	MP2A	Z	0	0	0	%100
85	MP1A	X	-.499	-.499	0	%100
86	MP1A	Z	0	0	0	%100
87	MP4C	X	-.499	-.499	0	%100
88	MP4C	Z	0	0	0	%100
89	MP3C	X	-.604	-.604	0	%100
90	MP3C	Z	0	0	0	%100
91	MP2C	X	-.499	-.499	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-.499	-.499	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4B	X	-.499	-.499	0	%100
96	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP3B	X	-.604	-.604	0	%100
98	MP3B	Z	0	0	0	%100
99	MP2B	X	-.499	-.499	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-.499	-.499	0	%100
102	MP1B	Z	0	0	0	%100
103	OVP	X	-.455	-.455	0	%100
104	OVP	Z	0	0	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	0	0	0	%100
107	M115A	X	-.453	-.453	0	%100
108	M115A	Z	0	0	0	%100
109	M116A	X	-.453	-.453	0	%100
110	M116A	Z	0	0	0	%100
111	M123	X	-.539	-.539	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-.539	-.539	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.159	-.159	0	%100
2	M1	Z	-.092	-.092	0	%100
3	M4	X	-.485	-.485	0	%100
4	M4	Z	-.28	-.28	0	%100
5	M10	X	-.137	-.137	0	%100
6	M10	Z	-.079	-.079	0	%100
7	M43	X	-.137	-.137	0	%100
8	M43	Z	-.079	-.079	0	%100
9	M46	X	-.273	-.273	0	%100
10	M46	Z	-.158	-.158	0	%100
11	M51B	X	-.152	-.152	0	%100
12	M51B	Z	-.088	-.088	0	%100
13	M52B	X	-.606	-.606	0	%100
14	M52B	Z	-.35	-.35	0	%100
15	M76	X	-.819	-.819	0	%100
16	M76	Z	-.473	-.473	0	%100
17	M77	X	-.278	-.278	0	%100
18	M77	Z	-.161	-.161	0	%100
19	M80	X	-.293	-.293	0	%100
20	M80	Z	-.169	-.169	0	%100
21	M84	X	-.819	-.819	0	%100
22	M84	Z	-.473	-.473	0	%100
23	M85	X	-1.112	-1.112	0	%100
24	M85	Z	-.642	-.642	0	%100
25	M91	X	-1.171	-1.171	0	%100
26	M91	Z	-.676	-.676	0	%100
27	M26	X	-.485	-.485	0	%100
28	M26	Z	-.28	-.28	0	%100
29	M27	X	-.137	-.137	0	%100
30	M27	Z	-.079	-.079	0	%100
31	M28	X	-.137	-.137	0	%100
32	M28	Z	-.079	-.079	0	%100
33	M29	X	-.273	-.273	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,%]
34	M29	Z	-.158	-.158	0	%100
35	M32	X	-.606	-.606	0	%100
36	M32	Z	-.35	-.35	0	%100
37	M33	X	-.152	-.152	0	%100
38	M33	Z	-.088	-.088	0	%100
39	M37	X	-.819	-.819	0	%100
40	M37	Z	-.473	-.473	0	%100
41	M38	X	-1.112	-1.112	0	%100
42	M38	Z	-.642	-.642	0	%100
43	M40	X	-1.171	-1.171	0	%100
44	M40	Z	-.676	-.676	0	%100
45	M42	X	-.819	-.819	0	%100
46	M42	Z	-.473	-.473	0	%100
47	M43A	X	-.278	-.278	0	%100
48	M43A	Z	-.161	-.161	0	%100
49	M45	X	-.293	-.293	0	%100
50	M45	Z	-.169	-.169	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-.547	-.547	0	%100
54	M51C	Z	-.316	-.316	0	%100
55	M52A	X	-.547	-.547	0	%100
56	M52A	Z	-.316	-.316	0	%100
57	M53	X	-1.092	-1.092	0	%100
58	M53	Z	-.63	-.63	0	%100
59	M56	X	-.152	-.152	0	%100
60	M56	Z	-.088	-.088	0	%100
61	M57	X	-.152	-.152	0	%100
62	M57	Z	-.088	-.088	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M62	X	-.278	-.278	0	%100
66	M62	Z	-.161	-.161	0	%100
67	M64	X	-.293	-.293	0	%100
68	M64	Z	-.169	-.169	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M67	X	-.278	-.278	0	%100
72	M67	Z	-.161	-.161	0	%100
73	M69	X	-.293	-.293	0	%100
74	M69	Z	-.169	-.169	0	%100
75	M74	X	-.159	-.159	0	%100
76	M74	Z	-.092	-.092	0	%100
77	M75	X	-.637	-.637	0	%100
78	M75	Z	-.368	-.368	0	%100
79	MP4A	X	-.432	-.432	0	%100
80	MP4A	Z	-.25	-.25	0	%100
81	MP3A	X	-.523	-.523	0	%100
82	MP3A	Z	-.302	-.302	0	%100
83	MP2A	X	-.432	-.432	0	%100
84	MP2A	Z	-.25	-.25	0	%100
85	MP1A	X	-.432	-.432	0	%100
86	MP1A	Z	-.25	-.25	0	%100
87	MP4C	X	-.432	-.432	0	%100
88	MP4C	Z	-.25	-.25	0	%100
89	MP3C	X	-.523	-.523	0	%100
90	MP3C	Z	-.302	-.302	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,%]
91	MP2C	X	-.432	-.432	0	%100
92	MP2C	Z	-.25	-.25	0	%100
93	MP1C	X	-.432	-.432	0	%100
94	MP1C	Z	-.25	-.25	0	%100
95	MP4B	X	-.432	-.432	0	%100
96	MP4B	Z	-.25	-.25	0	%100
97	MP3B	X	-.523	-.523	0	%100
98	MP3B	Z	-.302	-.302	0	%100
99	MP2B	X	-.432	-.432	0	%100
100	MP2B	Z	-.25	-.25	0	%100
101	MP1B	X	-.432	-.432	0	%100
102	MP1B	Z	-.25	-.25	0	%100
103	OVP	X	-.394	-.394	0	%100
104	OVP	Z	-.227	-.227	0	%100
105	M107	X	-.131	-.131	0	%100
106	M107	Z	-.076	-.076	0	%100
107	M115A	X	-.131	-.131	0	%100
108	M115A	Z	-.076	-.076	0	%100
109	M116A	X	-.523	-.523	0	%100
110	M116A	Z	-.302	-.302	0	%100
111	M123	X	-.622	-.622	0	%100
112	M123	Z	-.359	-.359	0	%100
113	M124	X	-.155	-.155	0	%100
114	M124	Z	-.09	-.09	0	%100
115	M125	X	-.155	-.155	0	%100
116	M125	Z	-.09	-.09	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.276	-.276	0	%100
2	M1	Z	-.478	-.478	0	%100
3	M4	X	-.093	-.093	0	%100
4	M4	Z	-.162	-.162	0	%100
5	M10	X	-.237	-.237	0	%100
6	M10	Z	-.411	-.411	0	%100
7	M43	X	-.237	-.237	0	%100
8	M43	Z	-.411	-.411	0	%100
9	M46	X	-.473	-.473	0	%100
10	M46	Z	-.819	-.819	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-.263	-.263	0	%100
14	M52B	Z	-.455	-.455	0	%100
15	M76	X	-.158	-.158	0	%100
16	M76	Z	-.273	-.273	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-.158	-.158	0	%100
22	M84	Z	-.273	-.273	0	%100
23	M85	X	-.482	-.482	0	%100
24	M85	Z	-.834	-.834	0	%100
25	M91	X	-.507	-.507	0	%100
26	M91	Z	-.879	-.879	0	%100
27	M26	X	-.374	-.374	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,%]
28	M26	Z	-.647	-.647	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M32	X	-.263	-.263	0	%100
36	M32	Z	-.455	-.455	0	%100
37	M33	X	-.263	-.263	0	%100
38	M33	Z	-.455	-.455	0	%100
39	M37	X	-.63	-.63	0	%100
40	M37	Z	-1.092	-1.092	0	%100
41	M38	X	-.482	-.482	0	%100
42	M38	Z	-.834	-.834	0	%100
43	M40	X	-.507	-.507	0	%100
44	M40	Z	-.879	-.879	0	%100
45	M42	X	-.63	-.63	0	%100
46	M42	Z	-1.092	-1.092	0	%100
47	M43A	X	-.482	-.482	0	%100
48	M43A	Z	-.834	-.834	0	%100
49	M45	X	-.507	-.507	0	%100
50	M45	Z	-.879	-.879	0	%100
51	M50A	X	-.093	-.093	0	%100
52	M50A	Z	-.162	-.162	0	%100
53	M51C	X	-.237	-.237	0	%100
54	M51C	Z	-.411	-.411	0	%100
55	M52A	X	-.237	-.237	0	%100
56	M52A	Z	-.411	-.411	0	%100
57	M53	X	-.473	-.473	0	%100
58	M53	Z	-.819	-.819	0	%100
59	M56	X	-.263	-.263	0	%100
60	M56	Z	-.455	-.455	0	%100
61	M57	X	0	0	0	%100
62	M57	Z	0	0	0	%100
63	M61	X	-.158	-.158	0	%100
64	M61	Z	-.273	-.273	0	%100
65	M62	X	-.482	-.482	0	%100
66	M62	Z	-.834	-.834	0	%100
67	M64	X	-.507	-.507	0	%100
68	M64	Z	-.879	-.879	0	%100
69	M66	X	-.158	-.158	0	%100
70	M66	Z	-.273	-.273	0	%100
71	M67	X	0	0	0	%100
72	M67	Z	0	0	0	%100
73	M69	X	0	0	0	%100
74	M69	Z	0	0	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.276	-.276	0	%100
78	M75	Z	-.478	-.478	0	%100
79	MP4A	X	-.25	-.25	0	%100
80	MP4A	Z	-.432	-.432	0	%100
81	MP3A	X	-.302	-.302	0	%100
82	MP3A	Z	-.523	-.523	0	%100
83	MP2A	X	-.25	-.25	0	%100
84	MP2A	Z	-.432	-.432	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,%]
85	MP1A	X	-.25	-.25	0	%100
86	MP1A	Z	-.432	-.432	0	%100
87	MP4C	X	-.25	-.25	0	%100
88	MP4C	Z	-.432	-.432	0	%100
89	MP3C	X	-.302	-.302	0	%100
90	MP3C	Z	-.523	-.523	0	%100
91	MP2C	X	-.25	-.25	0	%100
92	MP2C	Z	-.432	-.432	0	%100
93	MP1C	X	-.25	-.25	0	%100
94	MP1C	Z	-.432	-.432	0	%100
95	MP4B	X	-.25	-.25	0	%100
96	MP4B	Z	-.432	-.432	0	%100
97	MP3B	X	-.302	-.302	0	%100
98	MP3B	Z	-.523	-.523	0	%100
99	MP2B	X	-.25	-.25	0	%100
100	MP2B	Z	-.432	-.432	0	%100
101	MP1B	X	-.25	-.25	0	%100
102	MP1B	Z	-.432	-.432	0	%100
103	OVP	X	-.227	-.227	0	%100
104	OVP	Z	-.394	-.394	0	%100
105	M107	X	-.227	-.227	0	%100
106	M107	Z	-.392	-.392	0	%100
107	M115A	X	0	0	0	%100
108	M115A	Z	0	0	0	%100
109	M116A	X	-.227	-.227	0	%100
110	M116A	Z	-.392	-.392	0	%100
111	M123	X	-.269	-.269	0	%100
112	M123	Z	-.466	-.466	0	%100
113	M124	X	-.269	-.269	0	%100
114	M124	Z	-.466	-.466	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M32	Y	-1.661	-4.228	0	.832
2	M32	Y	-4.228	-6.902	.832	1.665
3	M32	Y	-6.902	-8.189	1.665	2.497
4	M32	Y	-8.189	-6.545	2.497	3.329
5	M32	Y	-6.545	-3.463	3.329	4.162
6	M33	Y	-3.462	-6.573	0	.832
7	M33	Y	-6.573	-8.26	.832	1.665
8	M33	Y	-8.26	-7.044	1.665	2.497
9	M33	Y	-7.044	-4.426	2.497	3.329
10	M33	Y	-4.426	-1.884	3.329	4.162
11	M56	Y	-1.879	-4.428	0	.832
12	M56	Y	-4.428	-7.042	.832	1.665
13	M56	Y	-7.042	-8.256	1.665	2.497
14	M56	Y	-8.256	-6.578	2.497	3.329
15	M56	Y	-6.578	-3.47	3.329	4.162
16	M57	Y	-3.463	-6.545	0	.832
17	M57	Y	-6.545	-8.189	.832	1.665
18	M57	Y	-8.189	-6.9	1.665	2.497
19	M57	Y	-6.9	-4.227	2.497	3.329
20	M57	Y	-4.227	-1.665	3.329	4.162
21	M51B	Y	-1.884	-4.426	0	.832

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,%]
22	M51B	Y	-4.426	-7.044	.832	1.665
23	M51B	Y	-7.044	-8.26	1.665	2.497
24	M51B	Y	-8.26	-6.573	2.497	3.329
25	M51B	Y	-6.573	-3.462	3.329	4.162
26	M52B	Y	-3.463	-6.545	0	.832
27	M52B	Y	-6.545	-8.189	.832	1.665
28	M52B	Y	-8.189	-6.902	1.665	2.497
29	M52B	Y	-6.902	-4.228	2.497	3.329
30	M52B	Y	-4.228	-1.661	3.329	4.162

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	M32	Y	-3.514	-8.944	0	.832
2	M32	Y	-8.944	-14.6	.832	1.665
3	M32	Y	-14.6	-17.322	1.665	2.497
4	M32	Y	-17.322	-13.844	2.497	3.329
5	M32	Y	-13.844	-7.326	3.329	4.162
6	M33	Y	-7.323	-13.905	0	.832
7	M33	Y	-13.905	-17.474	.832	1.665
8	M33	Y	-17.474	-14.902	1.665	2.497
9	M33	Y	-14.902	-9.363	2.497	3.329
10	M33	Y	-9.363	-3.986	3.329	4.162
11	M56	Y	-3.976	-9.367	0	.832
12	M56	Y	-9.367	-14.896	.832	1.665
13	M56	Y	-14.896	-17.465	1.665	2.497
14	M56	Y	-17.465	-13.915	2.497	3.329
15	M56	Y	-13.915	-7.34	3.329	4.162
16	M57	Y	-7.325	-13.844	0	.832
17	M57	Y	-13.844	-17.322	.832	1.665
18	M57	Y	-17.322	-14.596	1.665	2.497
19	M57	Y	-14.596	-8.941	2.497	3.329
20	M57	Y	-8.941	-3.523	3.329	4.162
21	M51B	Y	-3.986	-9.363	0	.832
22	M51B	Y	-9.363	-14.902	.832	1.665
23	M51B	Y	-14.902	-17.474	1.665	2.497
24	M51B	Y	-17.474	-13.905	2.497	3.329
25	M51B	Y	-13.905	-7.323	3.329	4.162
26	M52B	Y	-7.326	-13.844	0	.832
27	M52B	Y	-13.844	-17.322	.832	1.665
28	M52B	Y	-17.322	-14.6	1.665	2.497
29	M52B	Y	-14.6	-8.944	2.497	3.329
30	M52B	Y	-8.944	-3.514	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N59	N57	N34	N35	Y	Two Way	-.005
2	N63	N64	N88	N86	Y	Two Way	-.005
3	N7	N6	N87C	N87B	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N59	N57	N34	N35	Y	Two Way	-.011
2	N63	N64	N88	N86	Y	Two Way	-.011
3	N7	N6	N87C	N87B	Y	Two Way	-.011

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	N3	max	800.735	10	2342.19	13	2265.747	1	4.846	13	1.256	4	.326	4
2		min	-801.424	4	683.029	7	-2425.884	7	.48	7	-1.264	10	-.436	10
3	N32	max	1622.254	9	2149.924	21	1326.37	2	-.423	2	1.243	12	-.576	3
4		min	-1756.514	3	630.029	3	-1239.619	8	-2.521	44	-1.244	6	-3.791	21
5	N61	max	1951.67	11	2183.882	17	994.885	12	-.23	12	1.206	8	4.074	17
6		min	-1816.914	5	635.379	11	-916.124	6	-2.461	30	-1.213	2	.704	11
7	Totals:	max	4135.31	10	6447.167	22	4472.955	1						
8		min	-4135.311	4	3012.345	4	-4472.953	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M1	PIPE_3.0	.164	9.391	16	.053	7.956		18	28171.8...	65205	5.749	5.749	1....	H1-1b
2	M4	HSS4X4X4	.303	0	13	.077	0	y	23	124657....	139518	16.181	16.181	3....	H1-1b
3	M10	HSS4X4X4	.147	2.375	14	.047	2.375	y	18	136263....	139518	16.181	16.181	1....	H1-1b
4	M43	HSS4X4X4	.146	0	24	.056	0	y	20	136263....	139518	16.181	16.181	1....	H1-1b
5	M46	PL1/2x6	.171	.516	2	.140	.516	y	16	66009.2...	97200	1.012	12.15	1....	H1-1b
6	M51B	L2x2x3	.134	0	2	.013	0	y	17	9823.122	23392.8	.558	1.084	1....	H2-1
7	M52B	L2x2x3	.150	0	12	.011	0	y	21	9823.122	23392.8	.558	1.085	1....	H2-1
8	M76	PL3/8x6	.219	0	2	.169	0	y	21	70647.0...	72900	.57	9.113	1....	H1-1b
9	M77	PL3/8x6	.224	.167	8	.297	0	y	14	71583.5...	72900	.57	9.113	1....	H1-1b
10	M80	PL1/2x6	.059	.112	1	.055	.112	y	5	96757.5...	97200	1.012	12.15	1....	H1-1b
11	M84	PL3/8x6	.094	0	1	.063	0	y	5	70647.0...	72900	.57	9.113	1....	H1-1b
12	M85	PL3/8x6	.244	.167	6	.308	0	y	24	71583.5...	72900	.57	9.113	2....	H1-1b
13	M91	PL1/2x6	.048	.112	1	.063	0	y	3	96757.5...	97200	1.012	12.15	1....	H1-1b
14	M26	HSS4X4X4	.282	0	19	.092	0	y	43	124657....	139518	16.181	16.181	3....	H1-1b
15	M27	HSS4X4X4	.144	2.375	22	.046	2.375	y	13	136263....	139518	16.181	16.181	1....	H1-1b
16	M28	HSS4X4X4	.144	0	20	.056	0	y	16	136263....	139518	16.181	16.181	1....	H1-1b
17	M29	PL1/2x6	.165	.516	10	.141	.516	y	48	66009.2...	97200	1.012	12.15	1....	H1-1b
18	M32	L2x2x3	.127	0	10	.013	0	y	13	9823.122	23392.8	.558	1.085	1....	H2-1
19	M33	L2x2x3	.147	0	8	.011	0	y	17	9823.122	23392.8	.558	1.084	1....	H2-1
20	M37	PL3/8x6	.217	0	10	.166	0	y	16	70647.0...	72900	.57	9.113	1....	H1-1b
21	M38	PL3/8x6	.208	.167	4	.293	0	y	22	71583.5...	72900	.57	9.113	1....	H1-1b
22	M40	PL1/2x6	.056	.112	9	.063	.112	y	1	96757.5...	97200	1.012	12.15	1....	H1-1b
23	M42	PL3/8x6	.122	0	6	.100	0	y	43	70647.0...	72900	.57	9.113	1....	H1-1b
24	M43A	PL3/8x6	.237	.167	2	.307	0	y	19	71583.5...	72900	.57	9.113	2....	H1-1b
25	M45	PL1/2x6	.046	.112	9	.087	0	y	47	96757.5...	97200	1.012	12.15	1....	H1-1b
26	M50A	HSS4X4X4	.287	0	15	.079	0	y	31	124657....	139518	16.181	16.181	3....	H1-1b
27	M51C	HSS4X4X4	.146	2.375	18	.051	2.375	y	32	136263....	139518	16.181	16.181	1....	H1-1b
28	M52A	HSS4X4X4	.148	0	16	.057	0	y	13	136263....	139518	16.181	16.181	1....	H1-1b
29	M53	PL1/2x6	.173	.516	6	.135	.516	y	20	66009.2...	97200	1.012	12.15	1....	H1-1b
30	M56	L2x2x3	.133	0	6	.012	0	y	21	9823.122	23392.8	.558	1.084	1....	H2-1
31	M57	L2x2x3	.144	0	4	.011	0	y	13	9823.122	23392.8	.558	1.085	1....	H2-1
32	M61	PL3/8x6	.221	0	6	.170	0	y	24	70647.0...	72900	.57	9.113	1....	H1-1b
33	M62	PL3/8x6	.223	.167	12	.294	0	y	18	71583.5...	72900	.57	9.113	1....	H1-1b
34	M64	PL1/2x6	.058	.112	5	.070	0	y	26	96757.5...	97200	1.012	12.15	1....	H1-1b
35	M66	PL3/8x6	.120	0	2	.114	0	y	34	70647.0...	72900	.57	9.113	1....	H1-1b
36	M67	PL3/8x6	.231	.167	10	.313	0	y	15	71583.5...	72900	.57	9.113	2....	H1-1b
37	M69	PL1/2x6	.047	.112	5	.069	0	y	7	96757.5...	97200	1.012	12.15	1....	H1-1b
38	M74	PIPE_3.0	.165	9.391	24	.052	7.956		14	28171.8...	65205	5.749	5.749	1....	H1-1b
39	M75	PIPE_3.0	.157	9.391	20	.051	7.956		22	28171.8...	65205	5.749	5.749	1....	H1-1b
40	MP4A	PIPE_2.0	.162	.75	6	.072	.75		7	20866.7...	32130	1.872	1.872	3....	H1-1b
41	MP3A	PIPE_2.5	.247	3	5	.100	3		4	37773.8...	50715	3.596	3.596	1....	H1-1b
42	MP2A	PIPE_2.0	.276	2.938	9	.100	1.125		8	20866.7...	32130	1.872	1.872	3....	H1-1b
43	MP1A	PIPE_2.0	.182	3	21	.097	.813		8	20866.7...	32130	1.872	1.872	1....	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
44	MP4C	PIPE_2.0	.164	.75	2	.070	.75		3	20866.7...	32130	1.872	1.872	3....	H1-1b
45	MP3C	PIPE_2.5	.259	3	1	.102	3		12	37773.8...	50715	3.596	3.596	1....	H1-1b
46	MP2C	PIPE_2.0	.274	2.938	5	.097	1.125		4	20866.7...	32130	1.872	1.872	3....	H1-1b
47	MP1C	PIPE_2.0	.188	3	17	.094	.813		4	20866.7...	32130	1.872	1.872	2....	H1-1b
48	MP4B	PIPE_2.0	.148	.75	10	.066	.75		11	20866.7...	32130	1.872	1.872	1....	H1-1b
49	MP3B	PIPE_2.5	.254	3	8	.100	3		9	37773.8...	50715	3.596	3.596	1....	H1-1b
50	MP2B	PIPE_2.0	.292	2.938	1	.092	2.938		12	20866.7...	32130	1.872	1.872	3....	H1-1b
51	MP1B	PIPE_2.0	.189	3	13	.097	.813		12	20866.7...	32130	1.872	1.872	1....	H1-1b
52	OVP	PIPE_2.0	.195	3.5	12	.016	3.5		12	26521.4...	32130	1.872	1.872	1....	H1-1b
53	M107	PIPE_2.5	.133	9.635	6	.073	11.328		7	14558.7...	50715	3.596	3.596	2....	H1-1b
54	M115A	PIPE_2.5	.135	9.635	1	.072	11.328		3	14558.7...	50715	3.596	3.596	2....	H1-1b
55	M116A	PIPE_2.5	.126	9.635	9	.070	11.328		12	14558.7...	50715	3.596	3.596	2....	H1-1b
56	M123	L3X3X4	.208	0	3	.035	0	z	8	44195.4...	46656	1.688	3.756	2....	H2-1
57	M124	L3X3X4	.200	0	11	.033	.358	z	4	44195.4...	46656	1.688	3.756	2....	H2-1
58	M125	L3X3X4	.209	0	7	.035	0	z	12	44195.4...	46656	1.688	3.756	2....	H2-1

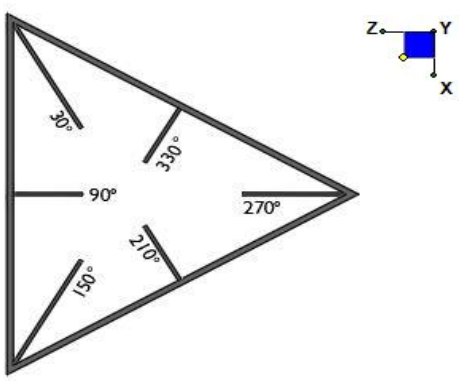
Client:	Verizon	Date:	6/7/2021
Site Name:	West Haven SW CT		
Project No.	21777444A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

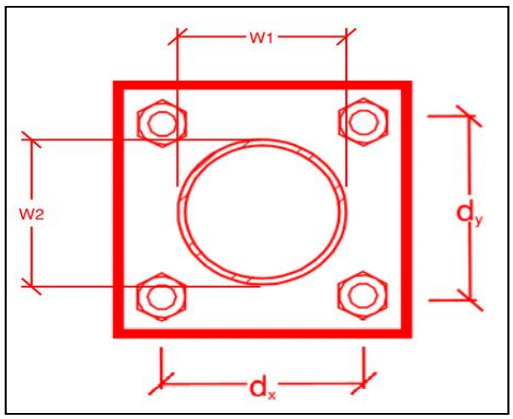
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N32	30
N61	150
N3	270



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)*:	6.5
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	18.2
Required Shear Strength (kips):	3.9
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**22.0%***
Shear Capacity Overall:	**7.8%**



**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):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	7
Phi*Rn (kip/in):	9.74
Required Weld Strength (kip/in):	2.75
Plate Bending Capacity:	**36.3%**
Weld Capacity:	**28.3%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)*:	11.4
Phi*Mn_{xx} *(kip-in)*:	31.6
Mu_{yy} *(kip-in)*:	0.1
Phi*Mn_{yy} *(kip-in)*:	31.6

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 to install 48" long P2.0 STD mount pipe on standoff horizontal between Beta & Gamma sector. Attach proposed mount pipe to the standoff with crossover plate (Site Pro 1 – SQCX4-K, or EOR approved equivalent). Contractor shall attach proposed OVP 12" from top of mount pipe.

Contractor to Install safety climb wire clip on existing mount collar such that the existing safety climb wire does not contact the existing mount members.

Contractor to replace mount pipe in position 3 with 72" long P2.5 STD pipe. Connect to existing face horizontal with crossover plates (Site Pro 1 Part #: SP219-H).

Response:

Schedule A – Photo & Document File Structure

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

Structure: 469425-VZW - WEST HAVEN SW CT

Sector: **A**

Structure Type: Monopole

Mount Elev: 133.00

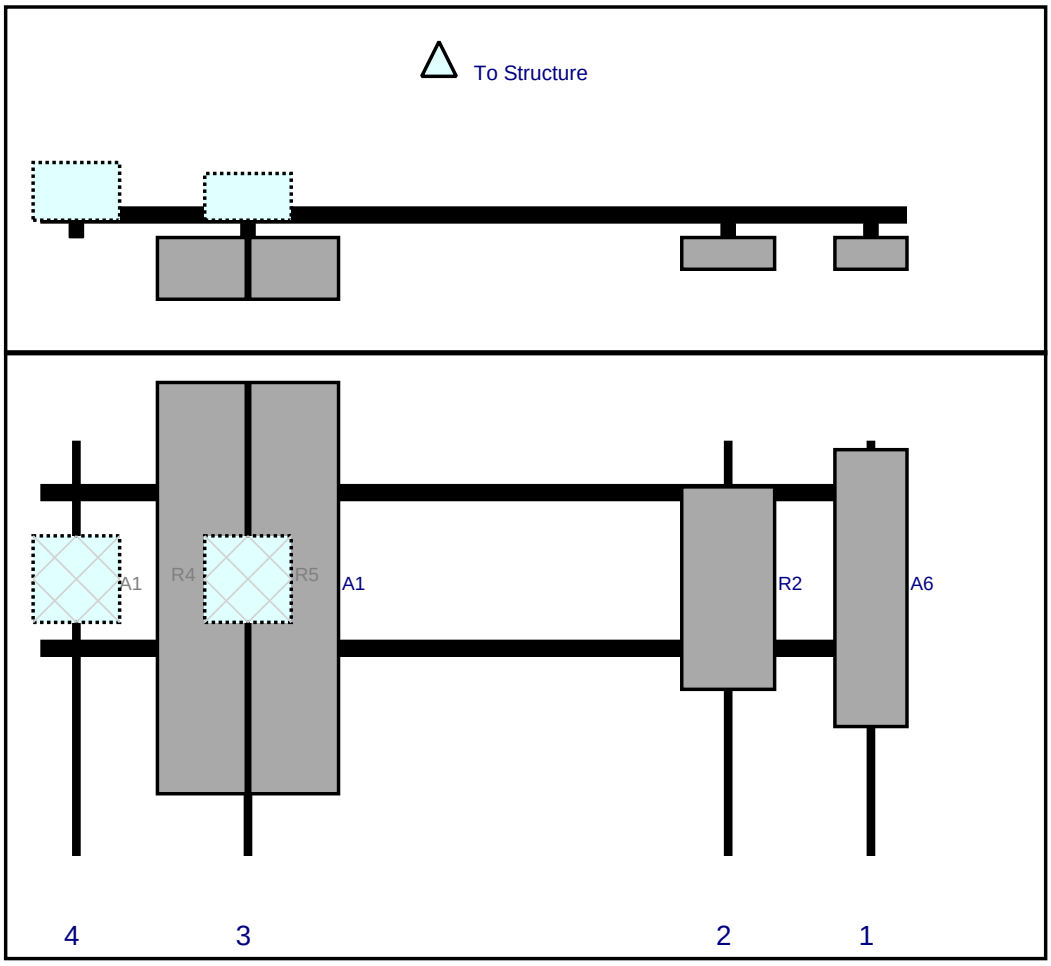
6/7/2021

Page: 1

MASER CONSULTING — CONNECTICUT —

Plan View

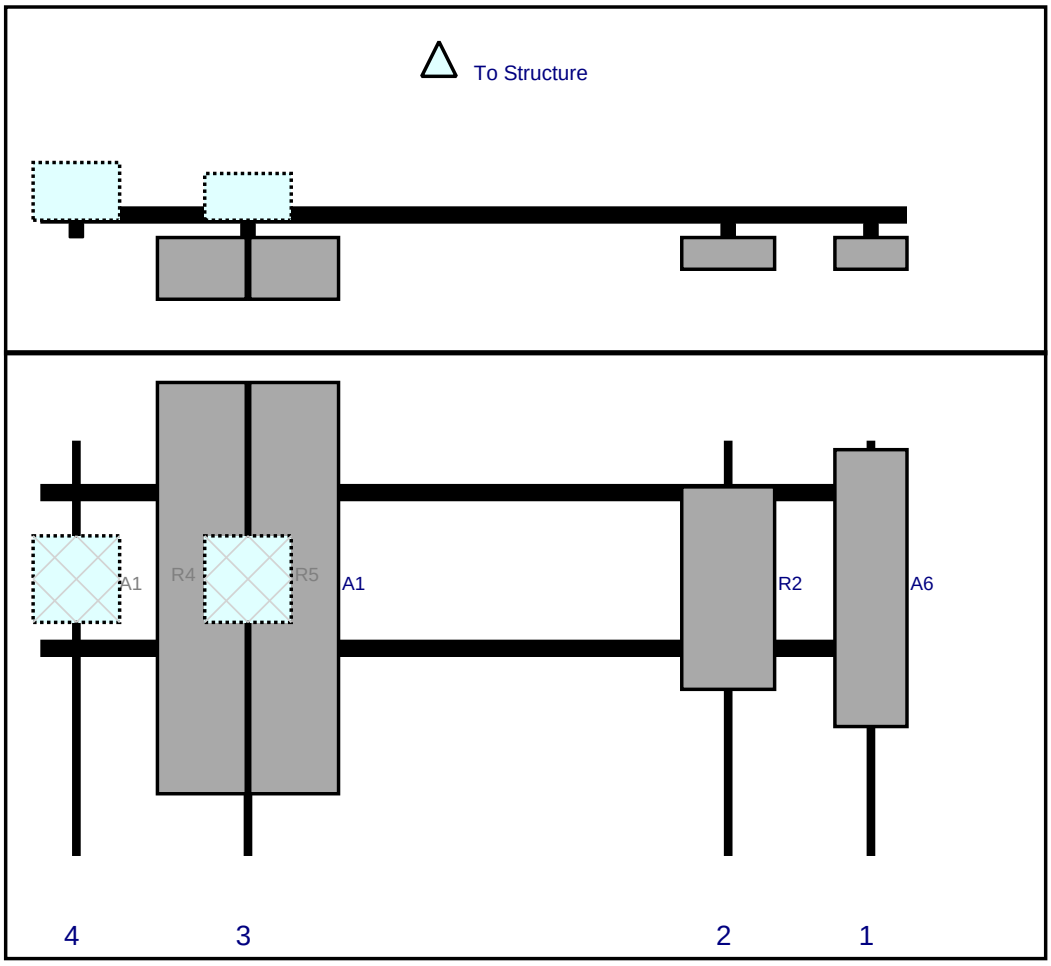
Front View
Looking at Structure



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
A6	DB854DG65ESX	48	12.5	144	1	a	Front	25.56	0	Retained	01/04/2021
R2	MT6407-77A	35.1	16.1	119.25	2	a	Front	25.56	0	Added	
A1	MX06FRO660-03	71.3	15.4	36	3	a	Front	25.56	8	Added	
A1	MX06FRO660-03	71.3	15.4	36	3	b	Front	25.56	-8	Added	
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	36	3	a	Behind	24	0	Added	
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	6.25	4	a	Behind	24	0	Added	

Plan View

Front View
Looking at Structure



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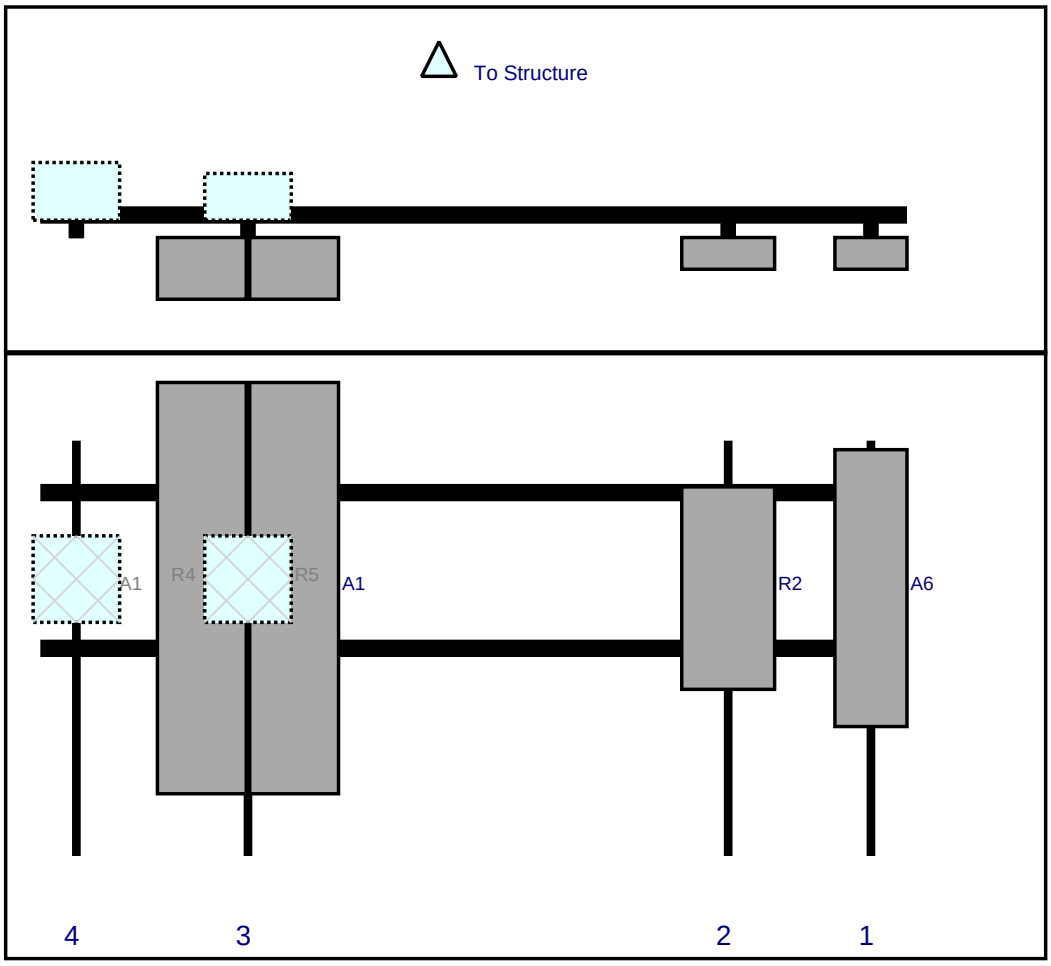
Plan View

Front View
Looking at Structure



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R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	6.25	4	a	Behind	24	0	Added	

Maser Consulting Connecticut

MASER CONSULTING
— CONNECTICUT —

Subject:	*TIA-222-H Usage*	
Site Information	*Site ID:*	*469425-VZW / WEST HAVEN SW CT*
	Site Name:	*WEST HAVEN SW CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*668 Jones Hill Rd.* *West Haven, Connecticut 06516* *New Haven County*
	Latitude:	*41.256403°*
	Longitude:	*-72.972361°*
Structure Information	*Tower Type:*	*150-Ft Monopole*
	Mount Type:	*12.52-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

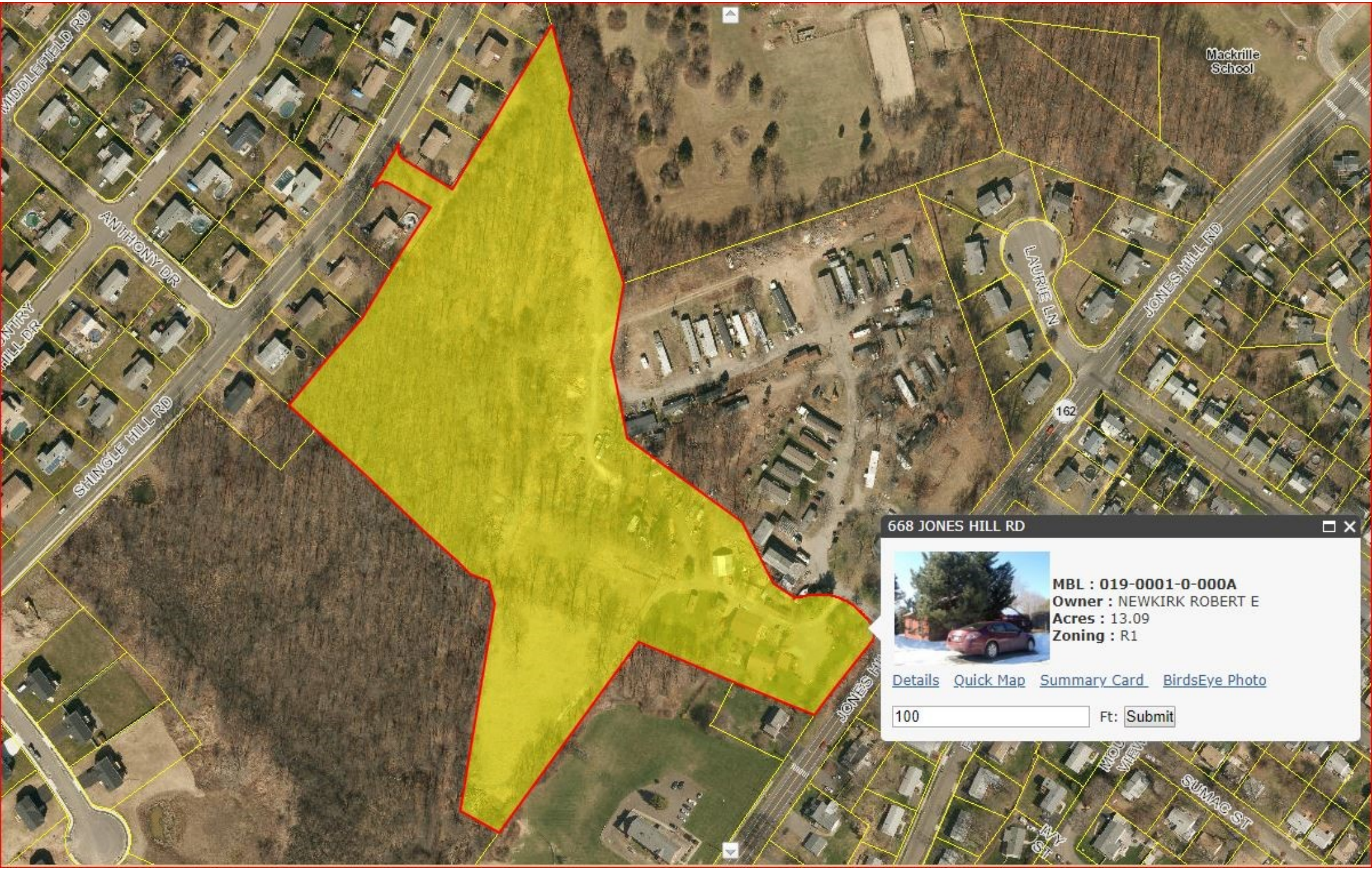
Site Name: ***BRANFORD WEST CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	634	2534	102	0.0088	0.5007	1.75%
VZW CDMA	877.26	2	489	977	102	0.0034	0.5848	0.58%
VZW Cellular	874	4	725	2902	102	0.0100	0.5827	1.72%
VZW PCS	1975	4	1525	6100	102	0.0211	1.0000	2.11%
VZW AWS	2120	4	1493	5973	102	0.0206	1.0000	2.06%
VZW CBAND	3730.08	4	6531	26125	102	0.0903	1.0000	9.03%
Total Percentage of Maximum Permissible Exposure								17.25%

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

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

Absolute worst case maximum values used.


Mackrille School
MIDDLEFIELD RD
ANTHONY DR
SHINGLE HILL RD
LAURIE LN
JONES HILL RD
162
668 JONES HILL RD
MBL : 019-0001-0-000A
Owner : NEWKIRK ROBERT E
Acres : 13.09
Zoning : R1
Details
Quick Map
Summary Card
BirdsEye Photo
100
Ft:
Submit
SUMAC ST
IVY ST

City of West Haven, CT

Property Listing Report

Map Block Lot	019-0001-0-000A-C	Building #	1	Section #	1	Account	00019113

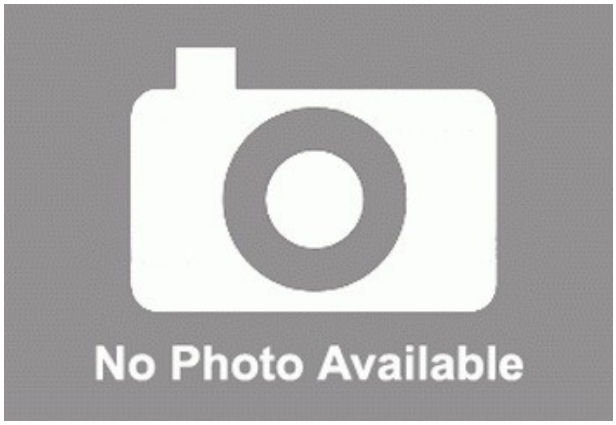
Property Information

Property Location	668 JONES HILL RD
Owner	AMERICAN TOWERS INC.
Co-Owner	ATTN TAX DEPT
Mailing Address	PO BOX 723597 ATLANTA GA 31139
Land Use	431V TEL REL TW MDL-00
Land Class	I
Zoning Code	
Census Tract	

Street Index	
Acreage	0
Utilities	
Lot Setting/Desc	
Additional Info	

Photo

Sketch



Primary Construction Details

Year Built	0
Stories	
Building Style	UNKNOWN
Building Use	Vacant
Building Condition	
Occupancy	
Extra Fixtures	0
Bath Style	NA
Kitchen Style	NA
AC Type	
Heating Type	
Heating Fuel	

Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Total Rooms	0
Roof Style	
Roof Cover	
Interior Floors 1	
Interior Floors 2	
Exterior Walls	
Exterior Walls 2	NA
Interior Walls	
Interior Walls 2	NA

(*Industrial / Commercial Details)

Building Desc.	TEL REL TW
Building Grade	NA
Heat / AC	NA
Frame Type	NA
Baths / Plumbing	NA
Ceiling / Wall	NA
Rooms / Prtns	NA
Wall Height	NA
First Floor Use	NA

Report Created On 7/6/2021

City of West Haven, CT

Property Listing Report

Map Block Lot	019-0001-0-000A-C	Building #	1	Section #	1	Account	00019113

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	0	0
Extras	0	0
Improvements		
Outbuildings	431800	302260
Land	0	0
Total	431800	302260

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area		0

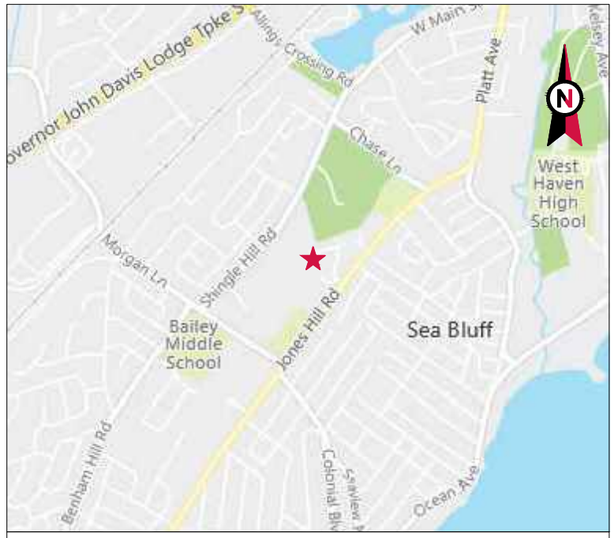
Outbuilding and Extra Features

Type	Description
TOWER	2 SITES
CELL SHED	288 S.F.
FENCE-6' CHAIN	200 L.F.

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
AMERICAN TOWERS INC.	0000/0000	2010-10-01	0

Report Created On 7/6/2021



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: WEST HAVEN & RT 162 CT
ATC SITE NUMBER: 243036
VERIZON SITE NAME: WEST HAVEN SW CT
VERIZON SITE NUMBER: 469425
SITE ADDRESS: 668 JONES HILL ROAD
WEST HAVEN, CT 06516

LOCATION MAP

VERIZON
5G L-SUB6-CARRIER ADD ANTENNA AMENDMENT DRAWINGS

COMPLIANCE CODE

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

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

UTILITY COMPANIES

POWER COMPANY: UNITED ILLUMINATING CO.
PHONE: (800) 722-5584

TELEPHONE COMPANY: N/A
PHONE: N/A

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

PROJECT SUMMARY

SITE ADDRESS:

668 JONES HILL ROAD

WEST HAVEN, CT 06516

COUNTY: NEW HAVEN

GEOGRAPHIC COORDINATES:

LATITUDE: 41.2564

LONGITUDE: -72.97236

GROUND ELEVATION: 135' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS
118 FLANDERS ROAD
WESTBOROUGH, MA 01581

ENGINEER:

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

PROPERTY OWNER:

ROBERT E. NEWKIRK
668 JONES HILL ROAD
WEST HAVEN, CT 06516

PROJECT DESCRIPTION

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

TOWER:

REMOVE (9) ANTENNA(s), (6) RRH(s), (6) DIPLEXER(s), (1) OVP, (1) 1-5/8" COAX CABLE AND (1) 1-5/8" 6X12 NON-LI HYBRID CABLE

INSTALL (9) ANTENNA(s), (6) RRH(s), (1) OVP AND (2) 1-5/8" 6X12 LI HYBRID CABLE(s)

EXISTING (3) ANTENNA(s) AND (11) 1-5/8" COAX CABLE(s) TO REMAIN

GROUND:

REMOVE (6) DIPLEXER(s)

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 BOSTON - TAKE I-95 SOUTH INTO CT AND FOLLOW TO EXIT 42. TAKE RIGHT ONTO RT162 AND FOLLOW INTO WEST HAVEN - STAY ON RT 162 AND FOLLOW TO 668 JONES HILL ROAD

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	06/25/21	JI
G-002	GENERAL NOTES	0	06/25/21	JI
C-101	DETAILED SITE PLAN	0	06/25/21	JI
C-201	TOWER ELEVATION	0	06/25/21	JI
C-401	ANTENNA INFORMATION & SCHEDULE	0	06/25/21	JI
C-501	CONSTRUCTION DETAILS	0	06/25/21	JI
E-501	GROUNDING DETAILS	0	06/25/21	JI
R-601	SUPPLEMENTAL			
R-602	SUPPLEMENTAL			
	MOUNT MODIFICATION (11 PAGES)			

AMERICAN TOWER®

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

REV.	DESCRIPTION	BY	DATE
A	PRELIM	XH	05/18/21
0	FINAL	JI	06/25/21

ATC SITE NUMBER:
243036

ATC SITE NAME:
WEST HAVEN & RT 162 CT

VERIZON SITE NAME:
WEST HAVEN SW CT

SITE ADDRESS:
668 JONES HILL ROAD
WEST HAVEN, CT 06516

SEAL:

verizon

DATE DRAWN:	05/18/21
ATC JOB NO:	13668986
CUSTOMER ID:	WEST HAVEN SW CT
CUSTOMER #:	469425

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.

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	XH	05/18/21
0	FINAL	JI	06/25/21

ATC SITE NUMBER:
243036

ATC SITE NAME:
WEST HAVEN & RT 162 CT

VERIZON SITE NAME:
WEST HAVEN SW CT

SITE ADDRESS:
668 JONES HILL ROAD
WEST HAVEN, CT 06516

SEAL:

verizon

DATE DRAWN:	05/18/21
ATC JOB NO:	13668986
CUSTOMER ID:	WEST HAVEN SW CT
CUSTOMER #:	469425

GENERAL NOTES

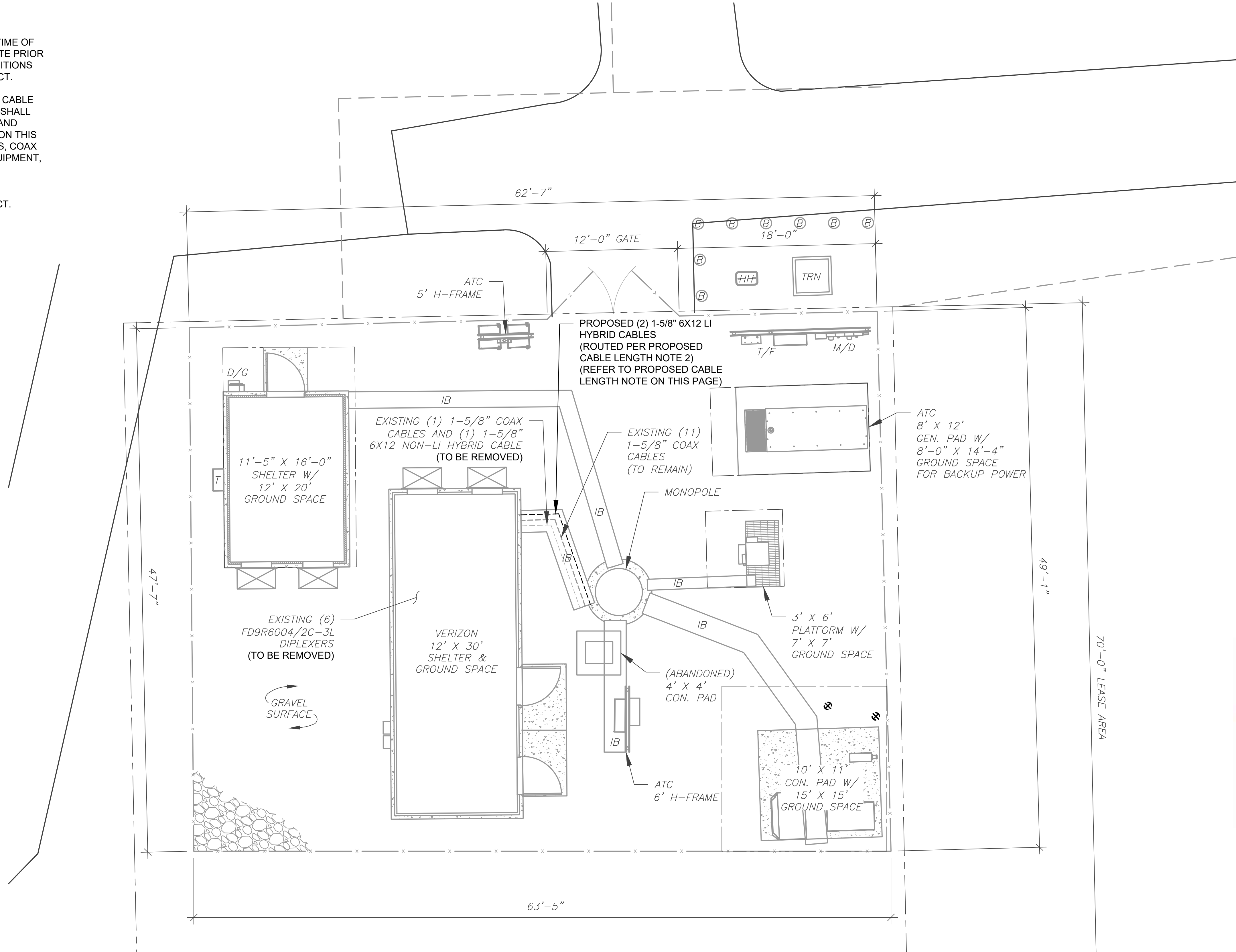
SHEET NUMBER:	REVISION:
G-002	0

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. NO ELECTRICAL SCOPE IS INCLUDED IN THIS PROJECT.

LEGEND

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



1 DETAILED SITE PLAN

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 UNIT = 10 FEET

PROPOSED CABLE LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **172'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).

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WEST HAVEN, CT 06516

SEAL:

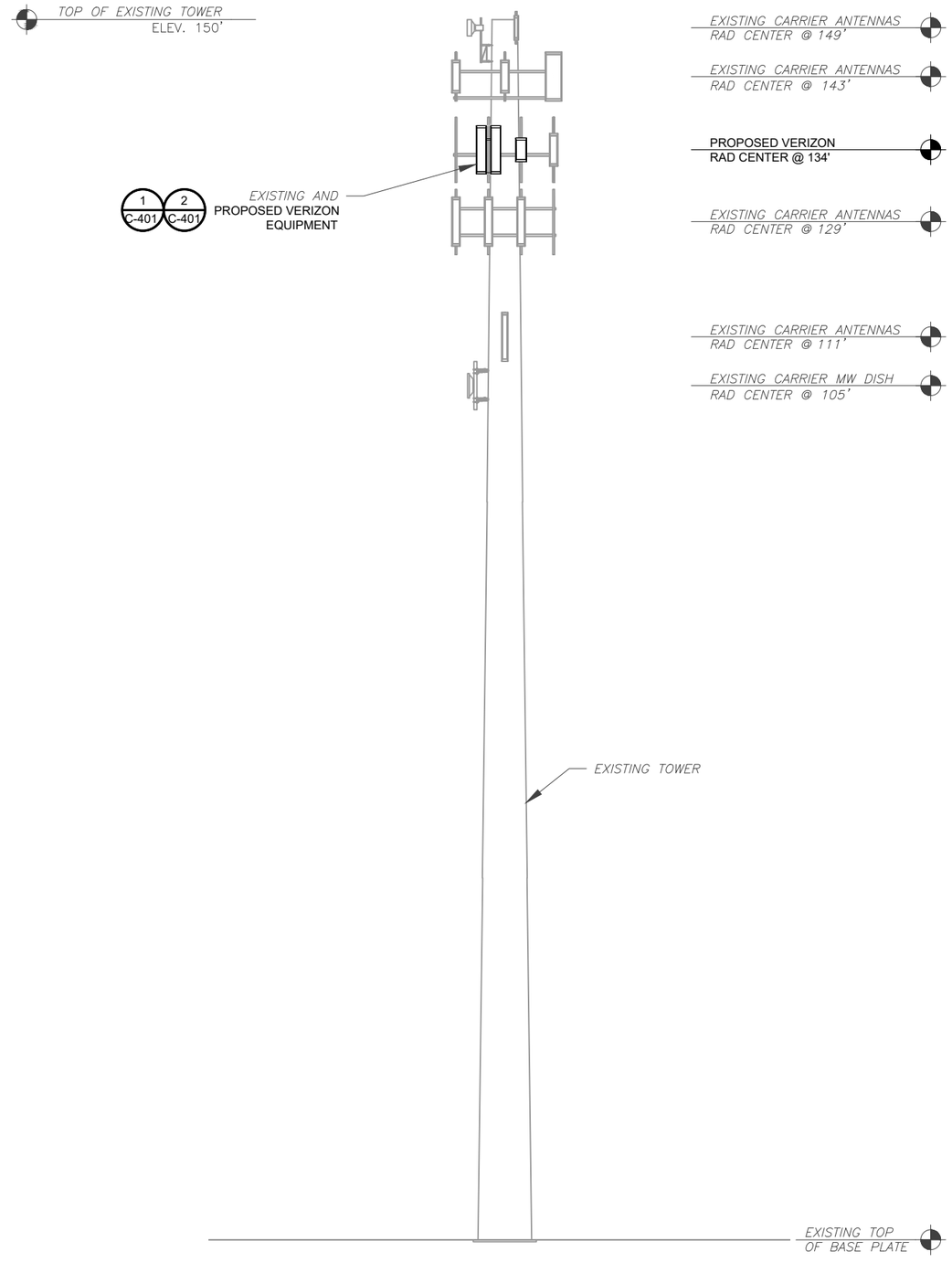
STATE OF CONNECTICUT · LICENSED PROFESSIONAL ENGINEER · 28971

verizon✓

DATE DRAWN:	05/18/21
ATC JOB NO:	13668986
CUSTOMER ID:	WEST HAVEN SW CT
CUSTOMER #:	469425

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0



1 TOWER ELEVATION
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING CONNECTICUT, DATED 06/10/21, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT

TOWER NOTE:

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

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A	PRELIM	XH	05/18/21
0	FINAL	JI	06/25/21

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WEST HAVEN, CT 06516

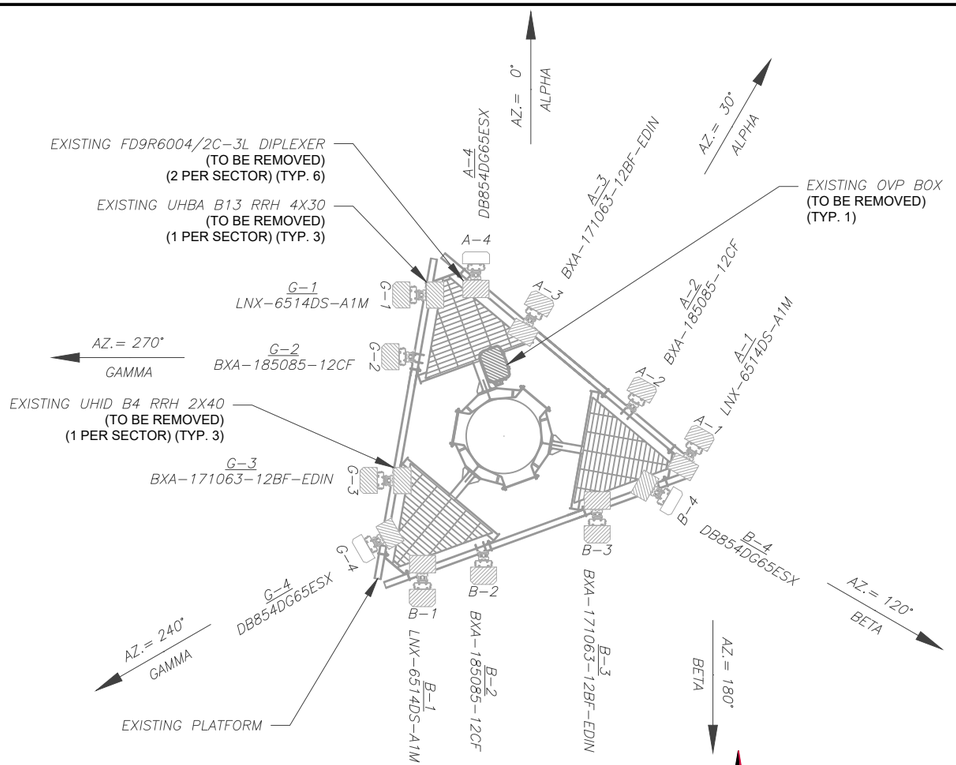
SEAL:

verizon

DATE DRAWN:	05/18/21
ATC JOB NO:	13668986
CUSTOMER ID:	WEST HAVEN SW CT
CUSTOMER #:	469425

TOWER ELEVATION

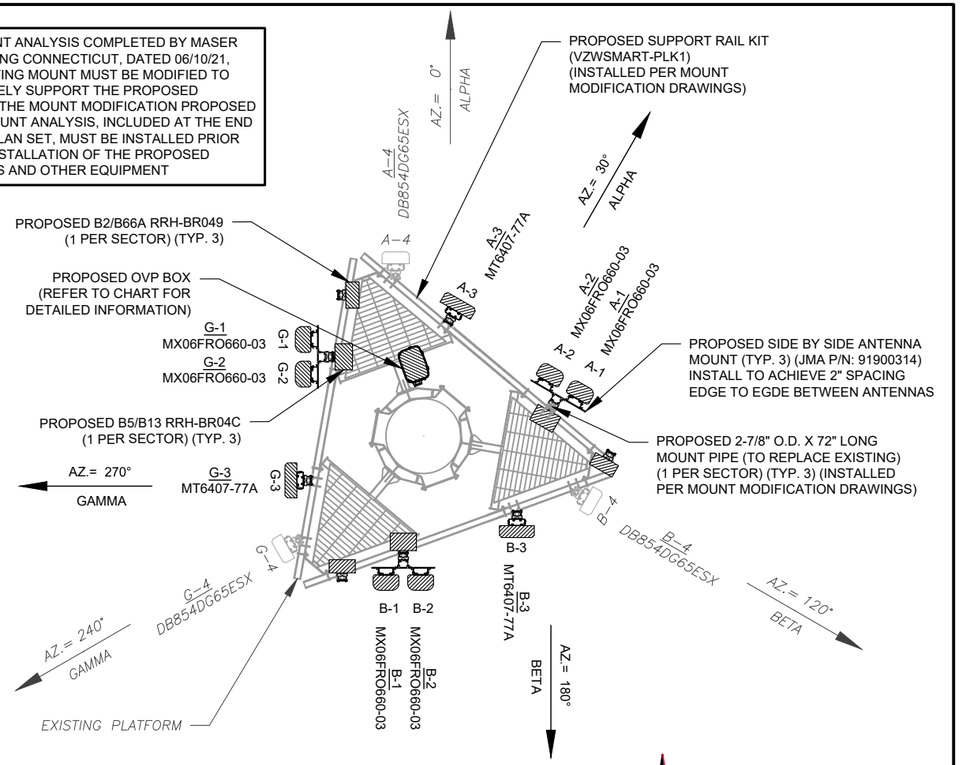
SHEET NUMBER:	REVISION:
C-201	0



1 EXISTING ANTENNA PLAN

SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING CONNECTICUT, DATED 06/10/21, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT



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	134'	30°	A1	LNX-6514DS-A1M	700	0/7	RMV	UHBA B13 RRH 4X30	RMV
			A2	BXA-185085-12CF	-	-	RMV	-	-
			A3	BXA-171063-12BF-EDIN	AWS	2/2	RMV	UHID B4 RRH 2X40	RMV
		0°	A4	DB854DG65ESX	CDMA 850	0/0	RMN	FD9R6004/2C-3L	RMV
BETA	134'	180°	B1	LNX-6514DS-A1M	700	0/0	RMV	UHBA B13 RRH 4X30	RMV
			B2	BXA-185085-12CF	-	-	RMV	-	-
			B3	BXA-171063-12BF-EDIN	AWS	0/2	RMV	UHID B4 RRH 2X40	RMV
		120°	B4	DB854DG65ESX	CDMA 850	0/0	RMN	FD9R6004/2C-3L	RMV
GAMMA	134'	270°	G1	LNX-6514DS-A1M	700	0/5	RMV	UHBA B13 RRH 4X30	RMV
			G2	BXA-185085-12CF	-	-	RMV	-	-
			G3	BXA-171063-12BF-EDIN	AWS	0/2	RMV	UHID B4 RRH 2X40	RMV
		240°	G4	DB854DG65ESX	CDMA 850	0/0	RMN	FD9R6004/2C-3L	RMV

NOTES

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

STATUS ABBREVIATIONS

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

CABLE LENGTHS FOR JUMPERS

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

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	134'	30°	A1	MX06FRO660-03	700/850/1900/AWS	0/7,7,4,4	ADD	B2/B66A RRH-BR049	ADD
			A2	MX06FRO660-03	700/850/1900/AWS	0/7,7,4,4	ADD	B5/B13 RRH-BR04C	ADD
			A3	MT6407-77A	L-SUB6	0/6	ADD	-	-
		0°	A4	DB854DG65ESX	CDMA 850	0/0	RMN	-	-
BETA	134'	180°	B1	MX06FRO660-03	700/850/1900/AWS	0/2,8,2,2	ADD	B2/B66A RRH-BR049	ADD
			B2	MX06FRO660-03	700/850/1900/AWS	0/2,8,2,2	ADD	B5/B13 RRH-BR04C	ADD
			B3	MT6407-77A	L-SUB6	0/6	ADD	-	-
		120°	B4	DB854DG65ESX	CDMA 850	0/0	RMN	-	-
GAMMA	134'	270°	G1	MX06FRO660-03	700/850/1900/AWS	0/5,5,2,2	ADD	B2/B66A RRH-BR049	ADD
			G2	MX06FRO660-03	700/850/1900/AWS	0/5,5,2,2	ADD	B5/B13 RRH-BR04C	ADD
			G3	MT6407-77A	L-SUB6	0/6	ADD	-	-
		240°	G4	DB854DG65ESX	CDMA 850	0/0	RMN	-	-

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(1) OVP-6	RMV	(1) 1-5/8"	(1) 1-5/8" 6X12 NON-LI	RMV
-	-	(11) 1-5/8"	-	RMN

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(1) RCMDC-6627-PF-48	ADD	-	(2) 1-5/8" 6X12 LI	ADD
-	-	(11) 1-5/8"	-	RMN

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	XH	05/18/21
0	FINAL	JI	06/25/21

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243036

ATC SITE NAME:
WEST HAVEN & RT 162 CT

VERIZON SITE NAME:
WEST HAVEN SW CT

SITE ADDRESS:
668 JONES HILL ROAD
WEST HAVEN, CT 06516

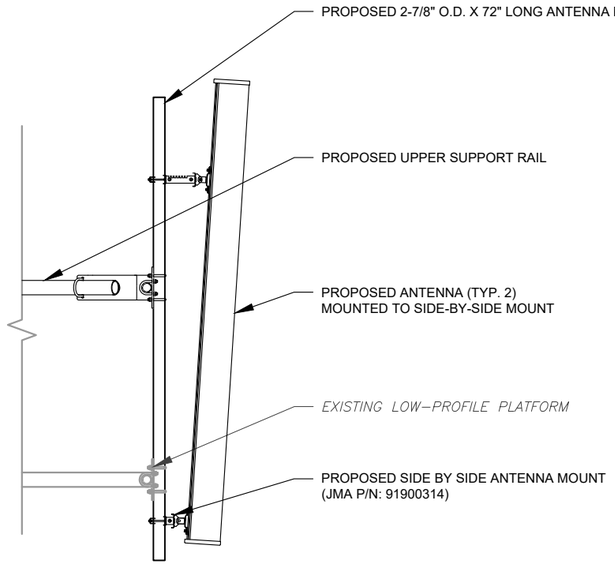
SEAL:

verizon

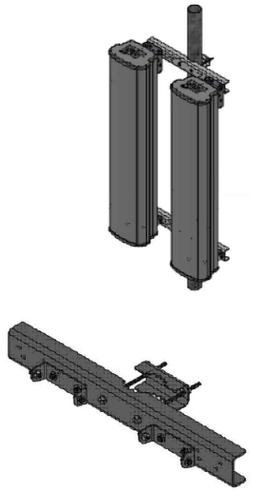
DATE DRAWN:	05/18/21
ATC JOB NO:	13668986
CUSTOMER ID:	WEST HAVEN SW CT
CUSTOMER #:	469425

ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:	REVISION:
C-401	0



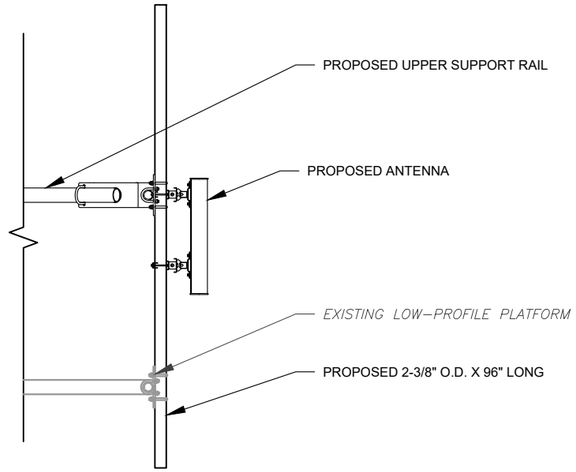
PROFILE VIEW



ISOMETRIC VIEW (BY MANUFACTURER)

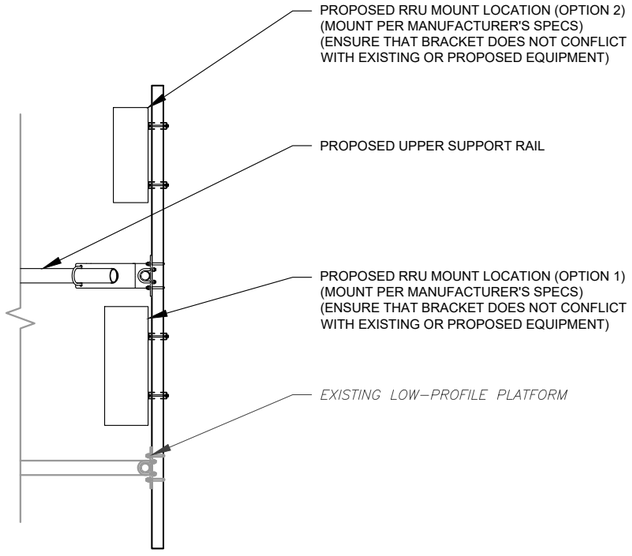
1 PROPOSED SIDE-BY-SIDE MOUNT

SCALE: NOT TO SCALE



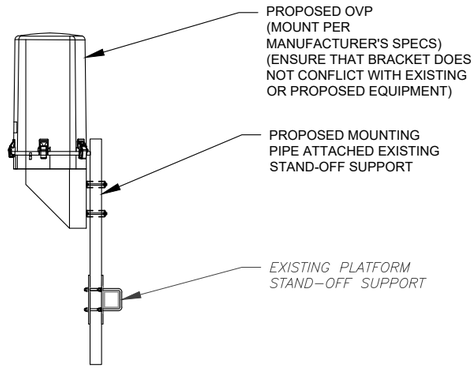
2 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



4 PROPOSED OVP MOUNTING

SCALE: N.T.S.

AMERICAN TOWER®

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

REV.	DESCRIPTION	BY	DATE
A	PRELIM	XH	05/18/21
0	FINAL	JI	06/25/21

ATC SITE NUMBER:
243036

ATC SITE NAME:
WEST HAVEN & RT 162 CT

VERIZON SITE NAME:
WEST HAVEN SW CT

SITE ADDRESS:
668 JONES HILL ROAD
WEST HAVEN, CT 06516

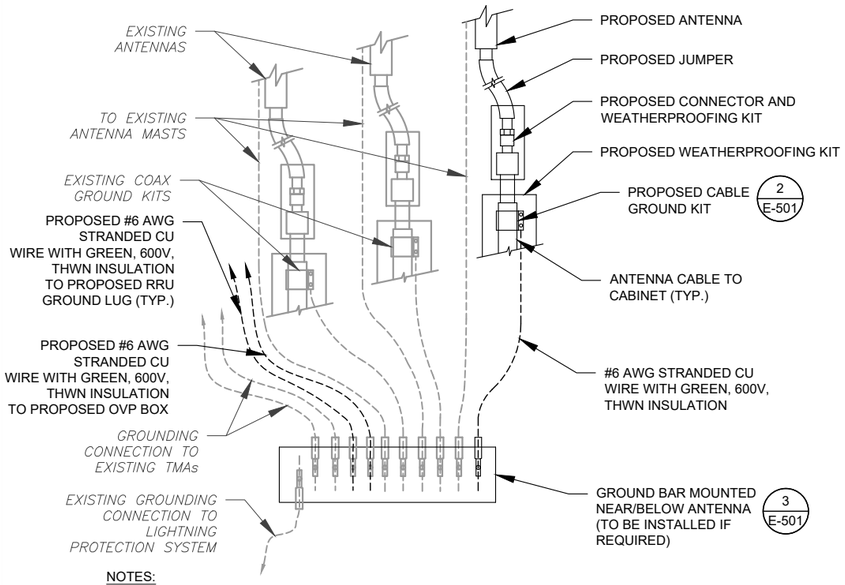
SEAL:

verizon

DATE DRAWN:	05/18/21
ATC JOB NO:	13668986
CUSTOMER ID:	WEST HAVEN SW CT
CUSTOMER #:	469425

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

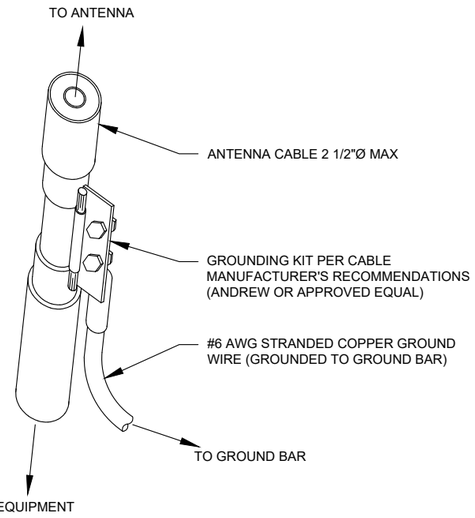


NOTES:

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.

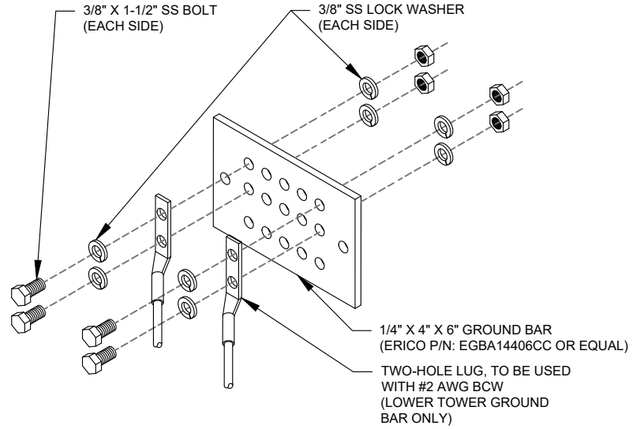


GROUND KIT NOTES:

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

REV.	DESCRIPTION	BY	DATE
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VERIZON SITE NAME:
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SITE ADDRESS:
668 JONES HILL ROAD
WEST HAVEN, CT 06516

SEAL:

verizon

DATE DRAWN:	05/18/21
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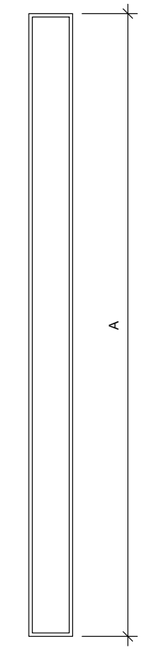
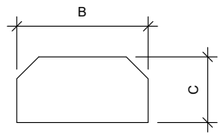
CUSTOMER ID:	WEST HAVEN SW CT
CUSTOMER #:	469425

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0



FRONT VIEW

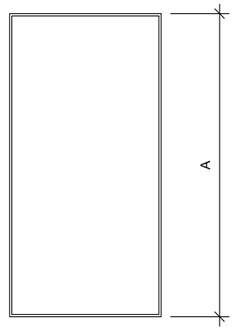


TOP VIEW

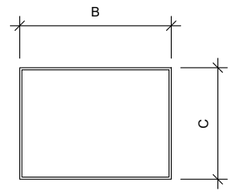
1 ANTENNA SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
MX06FRO660-03	71.3"	15.4"	10.7"	60.0
MT6407-77A	35.1	16.1	5.5	81.6



FRONT VIEW



TOP VIEW

2 RRU SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

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

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ATC SITE NUMBER:
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WEST HAVEN SW CT

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668 JONES HILL ROAD
WEST HAVEN, CT 06516

verizon

DATE DRAWN:	05/18/21
ATC JOB NO:	13668986
CUSTOMER ID:	WEST HAVEN SW CT
CUSTOMER #:	469425

SUPPLEMENTAL

SHEET NUMBER:
R-601

verizon

MASER CONSULTING CONNECTICUT

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10068866
Maser Consulting Connecticut Project #: 21777444A

June 10, 2021

Site Information

Site ID:	*469425-VZW / WEST HAVEN SW CT*
Site Name:	*WEST HAVEN SW CT*
Carrier Name:	*Verizon Wireless*
Address:	*668 Jones Hill Rd.*
	West Haven, Connecticut 06516
	New Haven County
Latitude:	*41.256403°*
Longitude:	*-72.972361°*

Structure Information

Tower Type:	*150-Ft Monopole*
Mount Type:	*12.52-Ft Platform*

FUZE ID # 16227619

Analysis Results

Platform: **36.3% Pass**

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

Report Prepared By: Frank Centone

STATE OF CONNECTICUT · DEJIAN XU · No. 33733 · LICENSED PROFESSIONAL ENGINEER

06/11/2021

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
Face Horizontal	16.5%	Pass
Standoff Horizontal	30.3%	Pass
Platform Crossmember	14.8%	Pass
Corner Plate	17.3%	Pass
Grating Support	15.0%	Pass
Cross Arm Plate	31.3%	Pass
Mount Pipe	29.2%	Pass
Dual Mount Pipe	25.9%	Pass
MOD Support Rail	13.5%	Pass
MOD Support Rail Corner Angle	20.9%	Pass
Connection Check	36.3%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	36.3%

Recommendation:

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

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

Attachments:

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

1 MOUNT ANALYSIS

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

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Dewberry®
Dewberry Engineers Inc.
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SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
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ATC SITE NUMBER:
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verizon

DATE DRAWN:	05/18/21
ATC JOB NO:	13668986
CUSTOMER ID:	WEST HAVEN SW CT
CUSTOMER #:	469425

SUPPLEMENTAL

SHEET NUMBER:
R-602

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 12.52' PLATFORM

SITE NAME: WEST HAVEN SW CT
SITE NUMBER: 469425

668 JONES HILL RD.
WEST HAVEN, CT 06516
NEW HAVEN COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE: 41.256403° N
LONGITUDE: 72.972361° W
JURISDICTION: NEW HAVEN 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 CONNECTICUT
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	MODIFICATION DETAILS
S-7	MOUNT PHOTOS
	SPECIFICATION SHEETS

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10068866
VZW LOCATION CODE (PSLC): 469425
FUZE ID: 16227619

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT
SMART TOOL PROJECT #: 10050395
MASER CONSULTING PROJECT #: 21777444A
ANALYSIS DATE: 5/5/2021

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FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN
JOB NUMBER: 21777444A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
0	6/10/2021	ISSUED FOR CONSTRUCTION	BPC	DX

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:

WEST HAVEN SW CT
469425

668 JONES HILL RD.
WEST HAVEN, CT 06516
NEW HAVEN 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
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	SITE PRO 1	SQCX4-K		
1	-	-	48" LONG, P2.0 STD	GALVANIZED
3	-	-	72" LONG, P2.5 STD	GALVANIZED
3	SITE PRO 1	SP219-H	PIPE MOUNT ASSEMBLY	

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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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

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 = 120 MPH

b. EXPOSURE CATEGORY B

c. TOPOGRAPHIC CATEGORY 1

d. MEAN BASE ELEVATION (AMSL) = 138.77'

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 = .200

c. LONG TERM MCER GROUND MOTION, S_1 = .053

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: AS SHOWN

JOB NUMBER: 21777444A

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STATE OF CONNECTICUT · DEJIAN XU · No. 33733 · LICENSED PROFESSIONAL ENGINEER

06/11/2021

SITE NAME:

WEST HAVEN SW CT
469425

668 JONES HILL RD.
WEST HAVEN, CT 06516
NEW HAVEN 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.

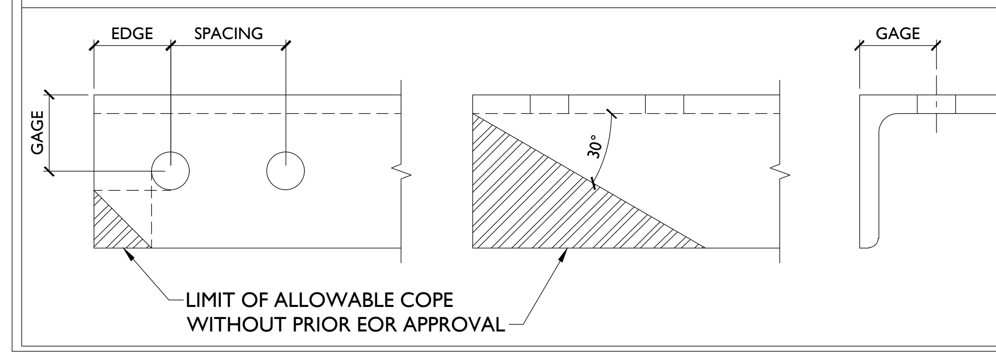
REQUIRED PHOTOS

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

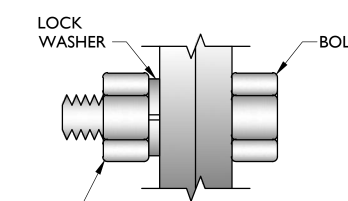
PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

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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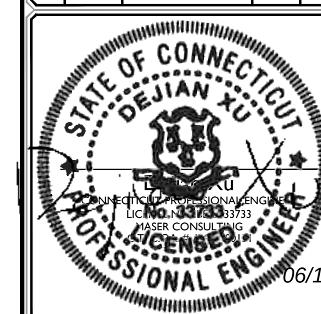

06/11/2021

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NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
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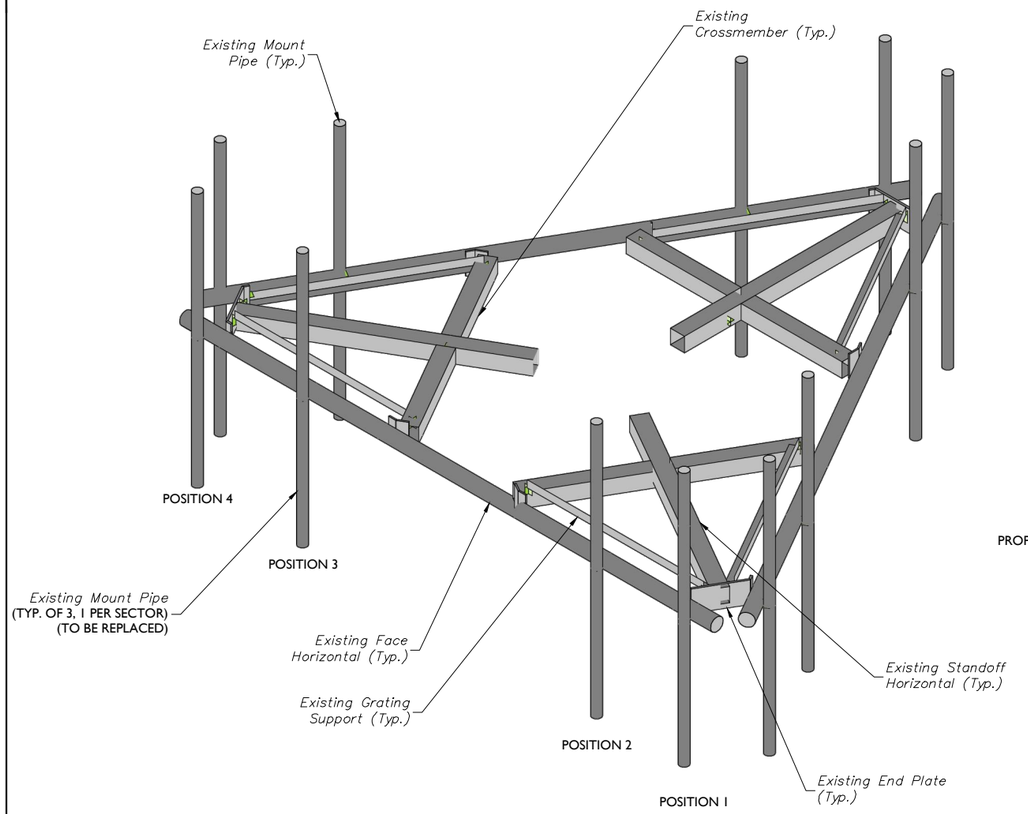
SHEET TITLE : MODIFICATION NOTES

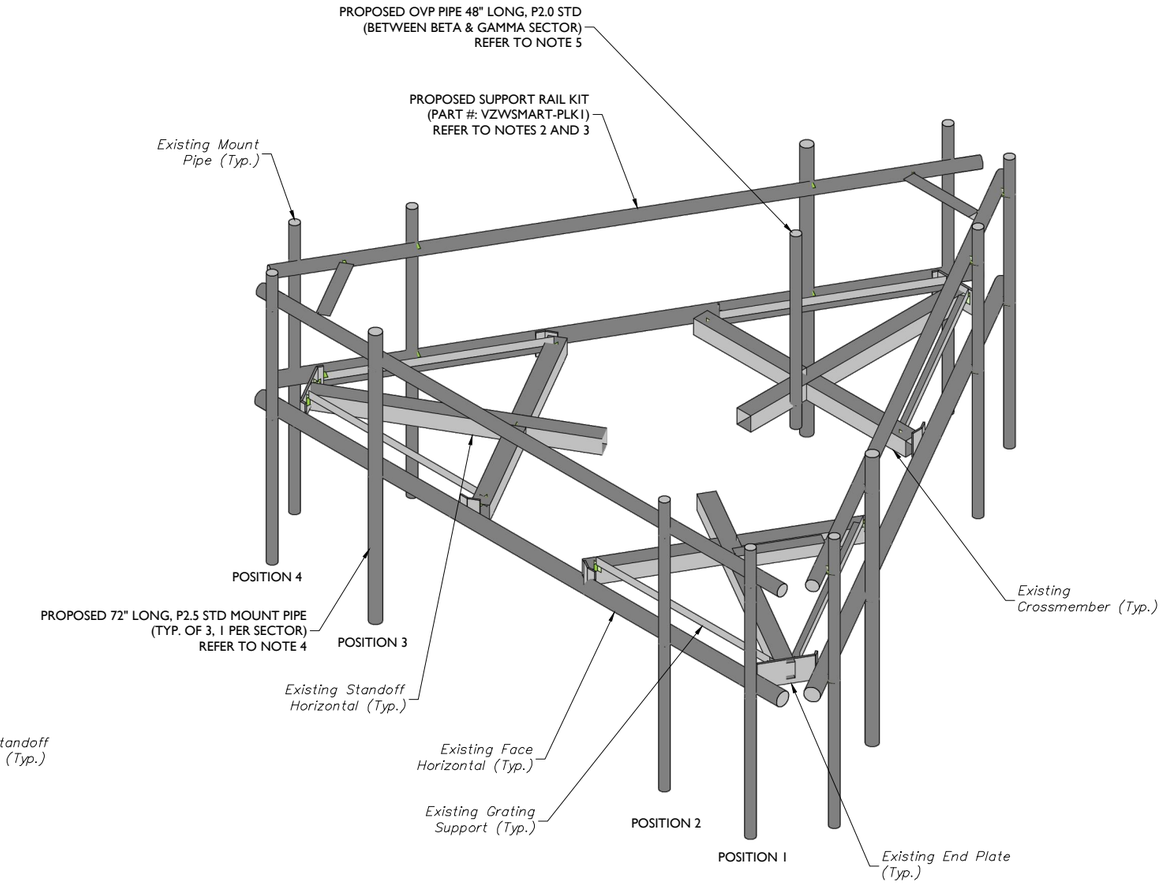
SHEET NUMBER : S-3

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 1/4/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (133'-0") 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. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (SITE PRO 1 PART #: SP219-H).
5. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SQCX4-K, OR EOR APPROVED EQUAL).

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LIC. NO. 33733
MASER CONSULTING
06/11/2021

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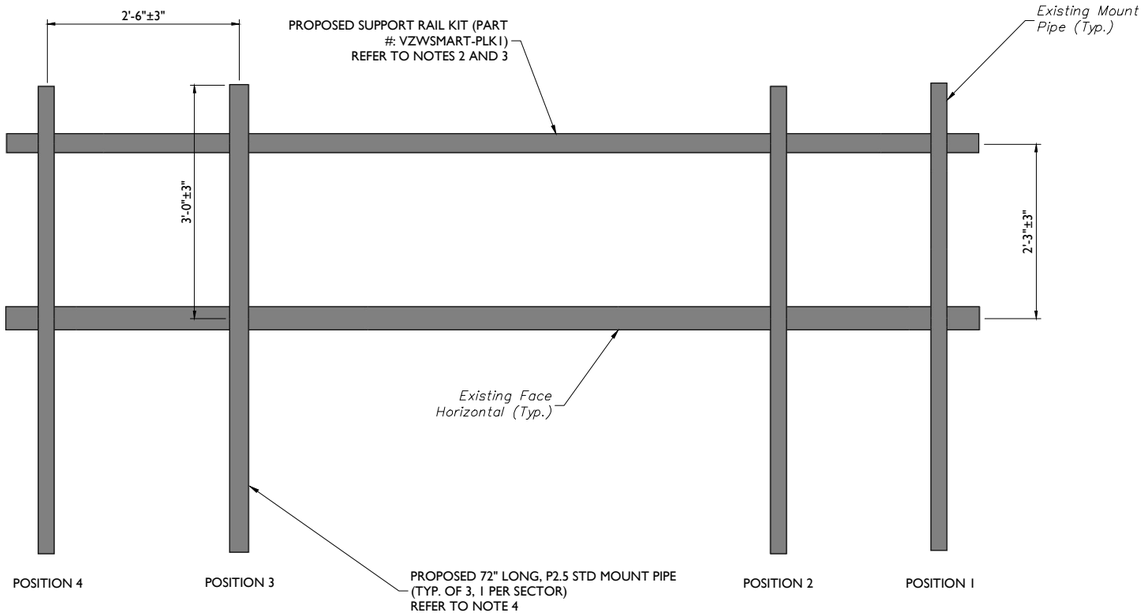
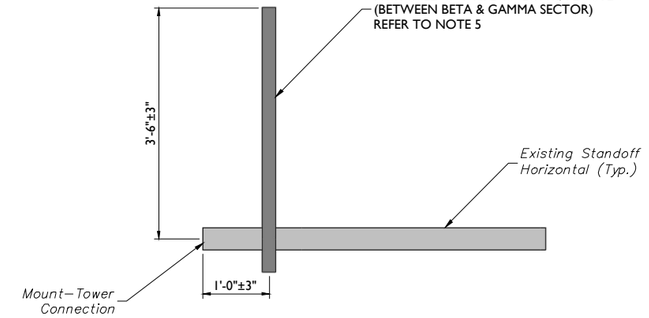
SHEET TITLE :
MODIFICATION DETAILS

SHEET NUMBER :
S-4



1 PROPOSED FRONT ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION

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. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (SITE PRO 1 PART #: SP219-H).
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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.

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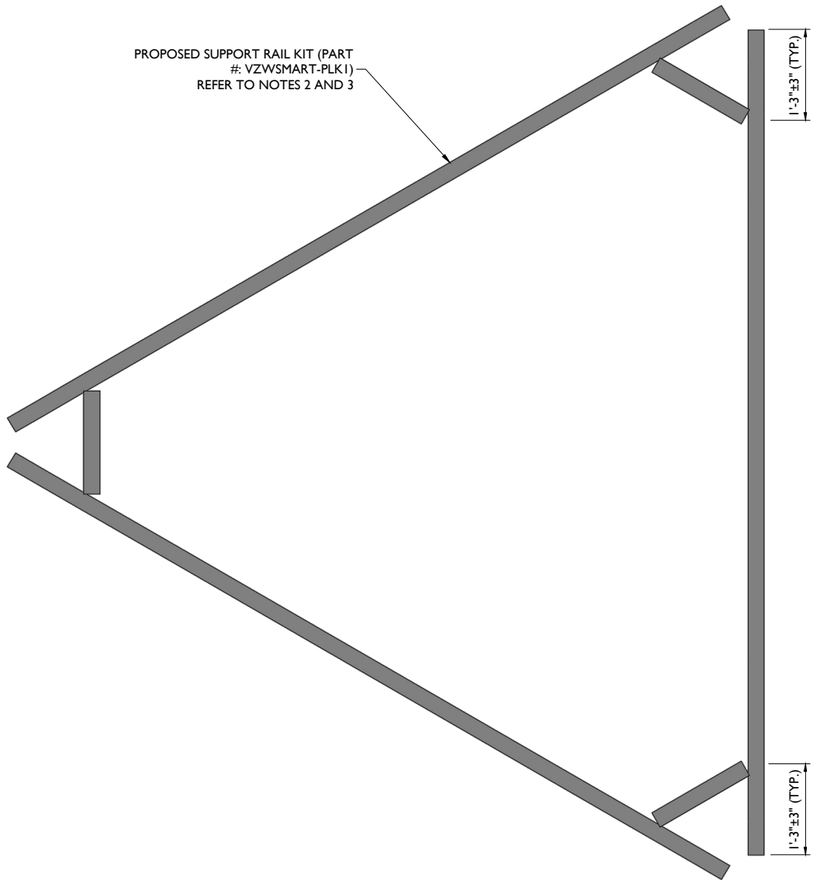
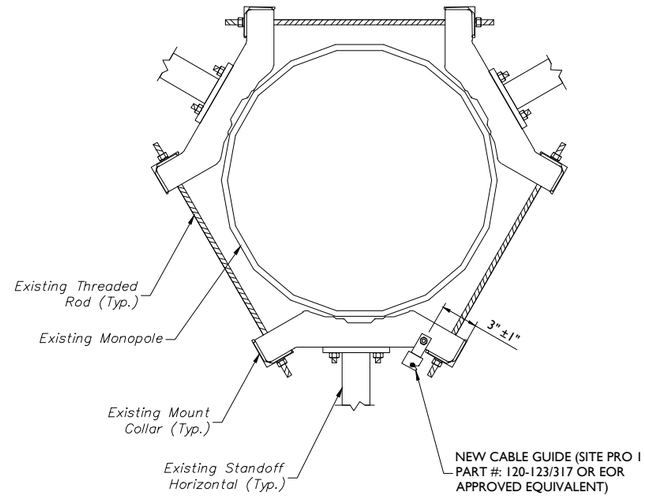
SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-5



1 PROPOSED PLAN VIEW

SCALE : N.T.S.



2 PROPOSED COLLAR ATTACHMENT SAFETY CLIMB - PLAN VIEW

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. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (SITE PRO 1 PART #: SP219-H).
5. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SQCX4-K, OR EOR APPROVED EQUAL).

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811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS 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 : 21777444A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/10/2021	ISSUED FOR CONSTRUCTION	BPC	DX

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

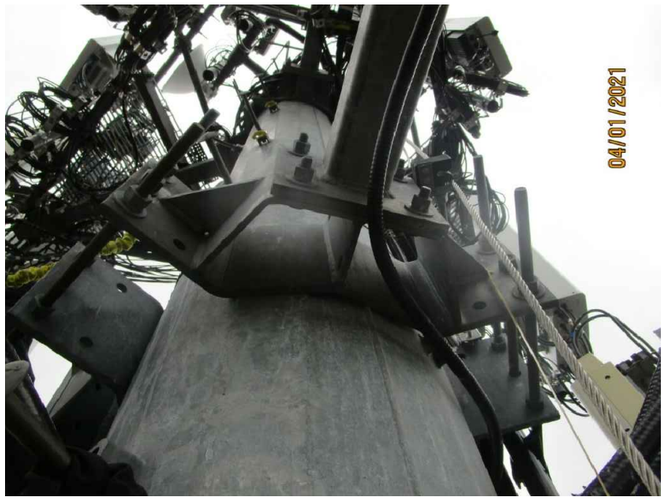
SITE NAME:
WEST HAVEN SW CT
469425
668 JONES HILL RD.
WEST HAVEN, CT 06516
NEW HAVEN COUNTY

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

SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-6

MOUNT PHOTO 1



MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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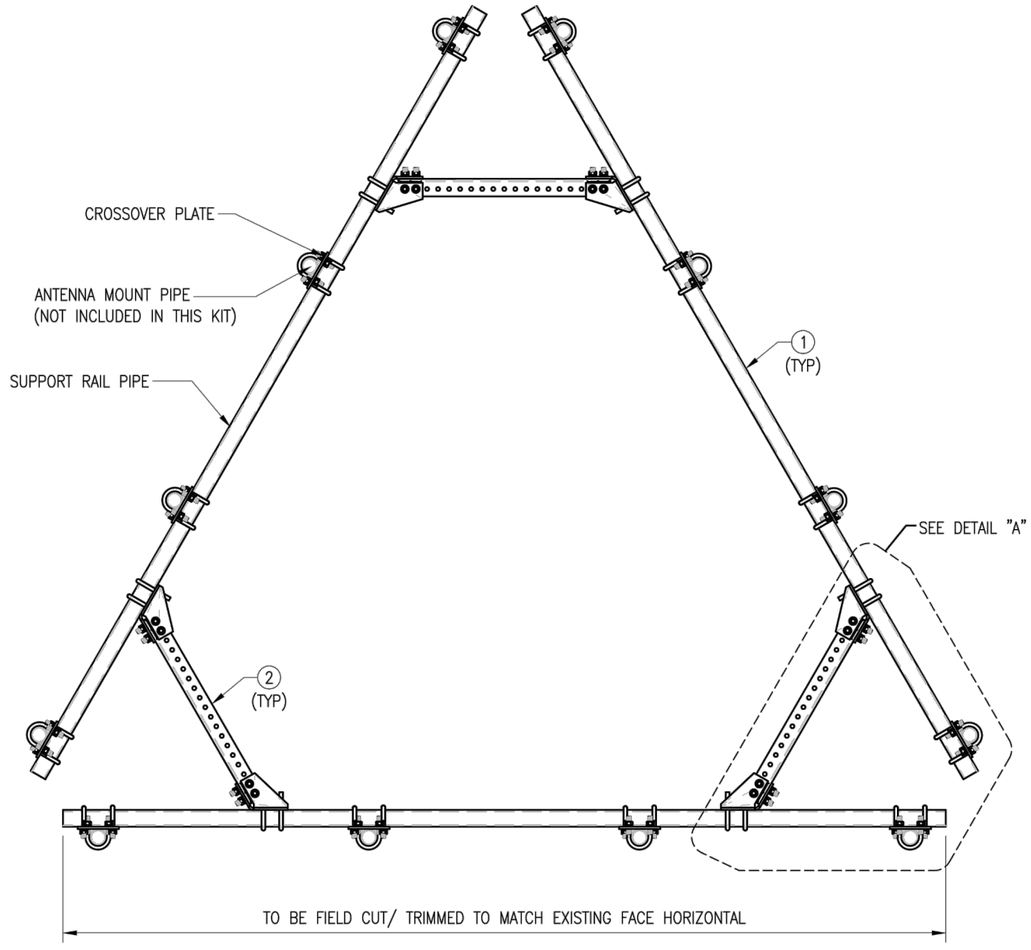
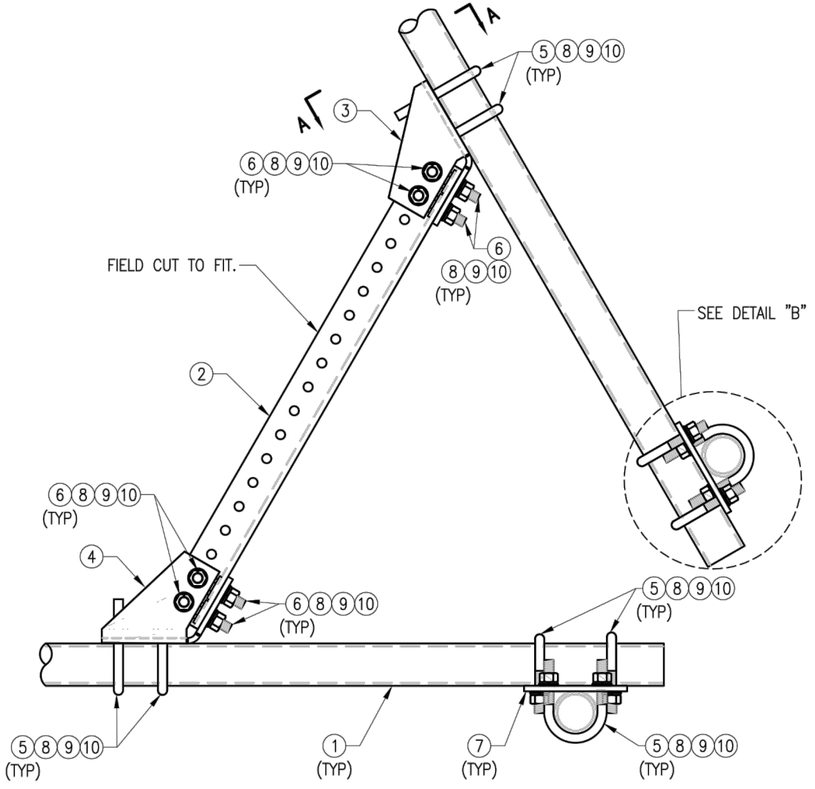
SHEET TITLE : MOUNT PHOTOS

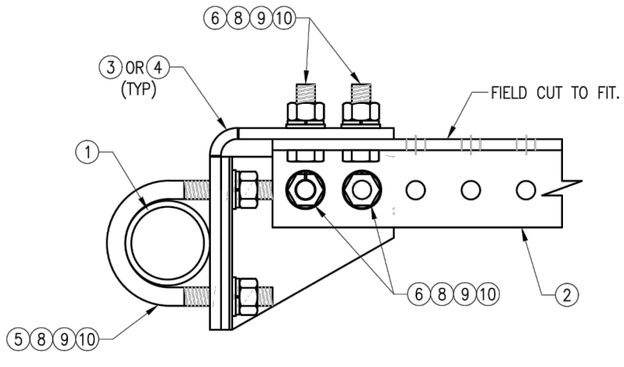
SHEET NUMBER : S-7



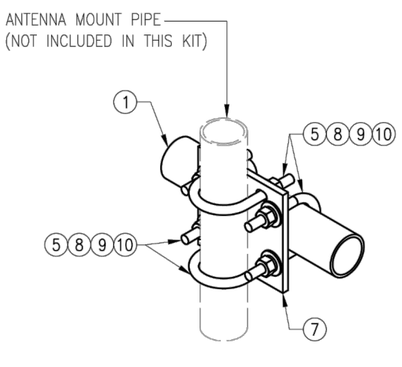
PLAN VIEW



DETAIL "A"



SECTION "A–A"



DETAIL "B"

NOTES:
1. HOT–DIPPED GALVANIZED PER ASTM A123.

VZW SMART–PLK1 (SUPPORT RAIL KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875–12.5	2.5" PST (2.875" O.D. X 0.203" THK.) X 12'–6" A53 GR–B	PLK1–F1	292
2	3	L33375–3	L 3" X 3" X 3/8" X 3'–0" A36	PLK1–F1	66
3	3	CBP–L	CORNER BENT PLATE BRACKET	PLK1–F2	28
4	3	CBP–R	CORNER BENT PLATE BRACKET	PLK1–F2	28
5	60	MS02–625–300–500	RU–BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC–1	82
6	24	---	BOLT 5/8" X 2" A325	---	9
7	12	PL375–857	PL 3/8" X 8 1/2" X 7'–0" A36	PLK1–F3	77
8	144	FW–625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW–625	5/8" HDG LOCK WASHER	---	3
10	144	NUT–625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

VzW SMART Tool© Vendor

verizon

DRAWN BY: H.R | CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

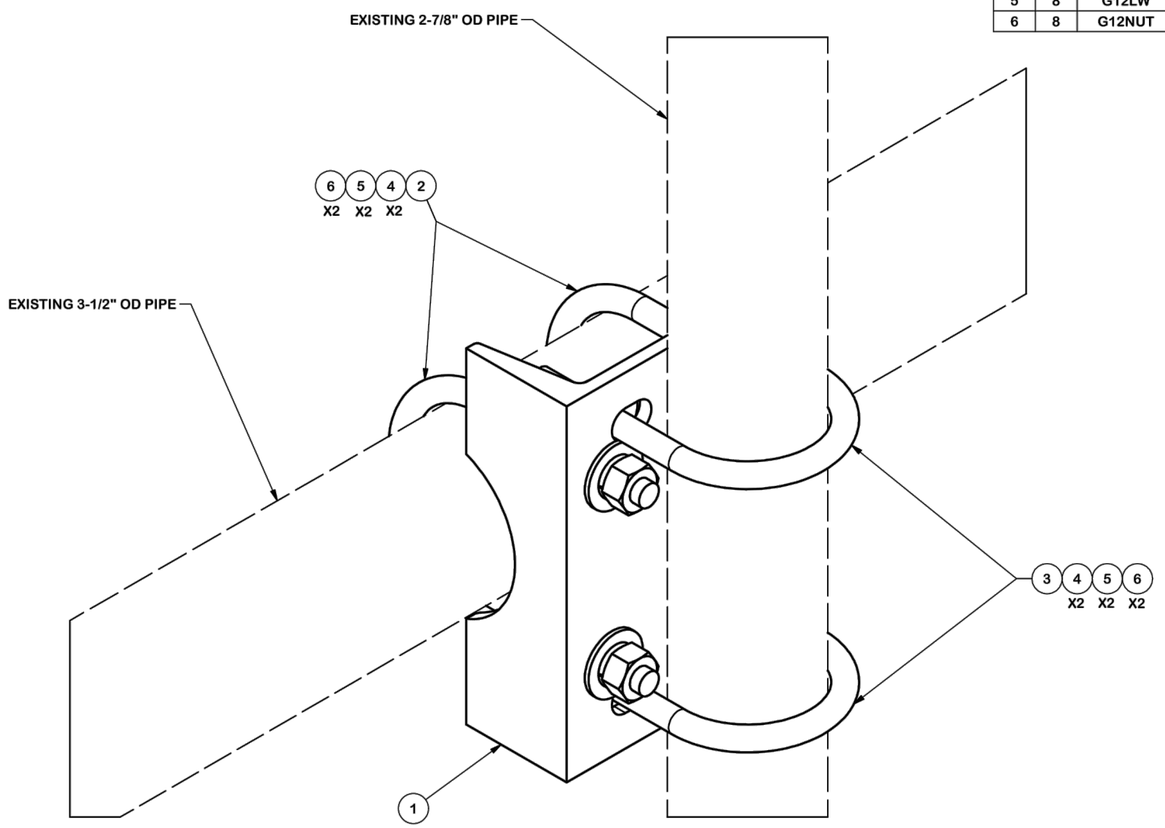
SHEET TITLE:

VZWSMART–PLK1
SUPPORT RAIL KIT

SHEET NUMBER: VZWSMART–PLK1

REV #: 0

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-SP219	SMALL SUPPORT CROSS PLATE	8 1/4 in	8.61	8.61
2	2	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.66	1.31
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.66	1.31
4	8	G12FW	1/2" HDG USS FLATWASHER		0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER		0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	12.61



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	REDRAWN IN INV, UPDATED VIEWS & TABLE		KC8	8-21-2012

REVISION HISTORY

DESCRIPTION
2-7/8" TO 3-1/2"
PIPE MOUNT ASSEMBLY

SITE PRO 1 — A valmont COMPANY

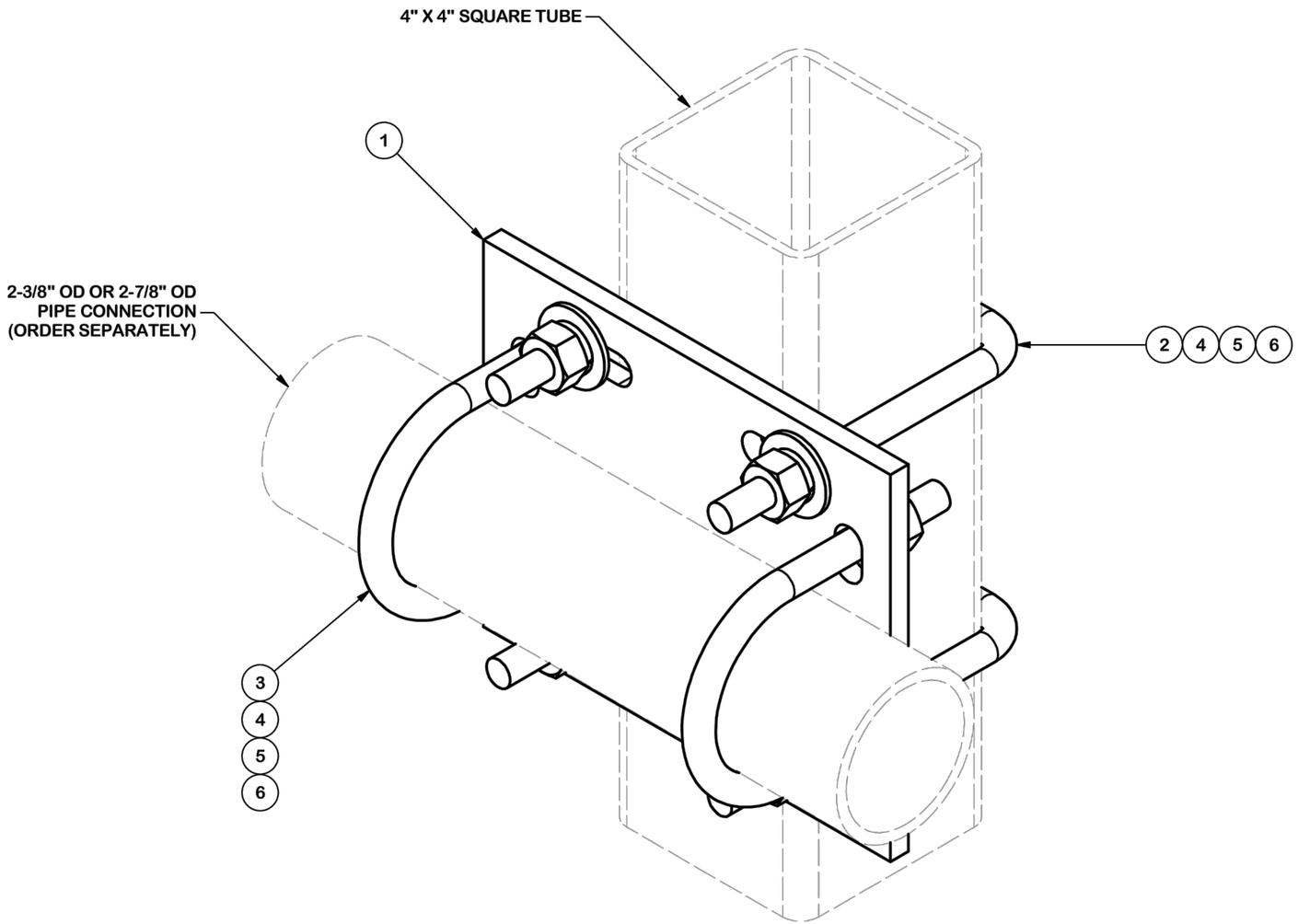
Engineering Support Team: 1-888-753-7446

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

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
4518	BMC 6/3/2009		SP219-H

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	01	CUSTOMER	CEK 2/18/2013	SP219-H

ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	SCX4	CROSSOVER PLATE	8 1/2 in	6.02	6.02
2	2	X-SUB1418	SQUARE U-BOLT 0.5" DIA. X 4.125" IW X 6" IL X 3" TR		0.98	1.95
3	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.60	1.19
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.67	1.34
4	8	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	11.35



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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")

DESCRIPTION
CROSSOVER PLATE KIT
W/ SQUARE U-BOLTS AND STD. U-BOLTS

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A valmont COMPANY
Engineering Support Team:
1-888-753-7446
Locations:
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Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
	CSL 9/18/2018	3RD PARTY	SQCX4-K	1 OF 1

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
87	02	CUSTOMER	BMC 11/12/2018	SQCX4-K