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

August 30, 2021

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

RE: Notice of Exempt Modification // Site: ROCKY HILL IV CT (ATC: 302479)
699 West Street Rocky Hill, CT 06067
N 41.6518 // W 72.6685

Dear Ms. Bachman,

Cellco Partnership d/b/a Verizon Wireless currently maintains 12 antennas at the 90-ft level on the existing 100-foot monopole tower, located at 699 West Street Rocky Hill, CT. The tower is owned by American Tower. The property is also owned by The Connecticut Light and Power Co. The Council approved Verizon Wireless use of the existing tower in 2008. Verizon Wireless now intends to remove 3 antennas and install 3 new ones for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless will remove 6 Remote Radio Heads (RRHs) and install with 12 new RRHs, remove 1 OVPs and install with 1 new OVP, and remove (2) Non Li- Hybrid Cables and replace with (2) 6x12 1-5/8" 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 Lisa Marotta, Mayor of Rocky Hill, its Zoning Enforcement Officer, Kim Ricci, the tower owner, American Tower, and the property owner, The Connecticut Light and Power Co.

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 August 9, 2021, by Dewberry Engineers, Inc., a structural analysis dated June 14, 2021, by A.T. Engineering, PLLC., and a structural mount analysis by Maser Consulting Connecticut date July 9, 2021, and radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

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

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

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

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

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

6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis by A.T. Engineering, PLLC, dated June 14, 2021, and a structural mount analysis by Maser Consulting Connecticut, dated July 9, 2021, pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final construction drawings, signed and stamped dated August 9, 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: Lisa Marotta, Mayor of Rocky Hill – Chief Elected Official
Mary Ann Chinatti, Town Planner of Plainfield - as P&Z official
American Tower Corporation - as tower owner
The Connecticut Light and Power Co. - as ground owner

UPS CampusShip: View/Print Label

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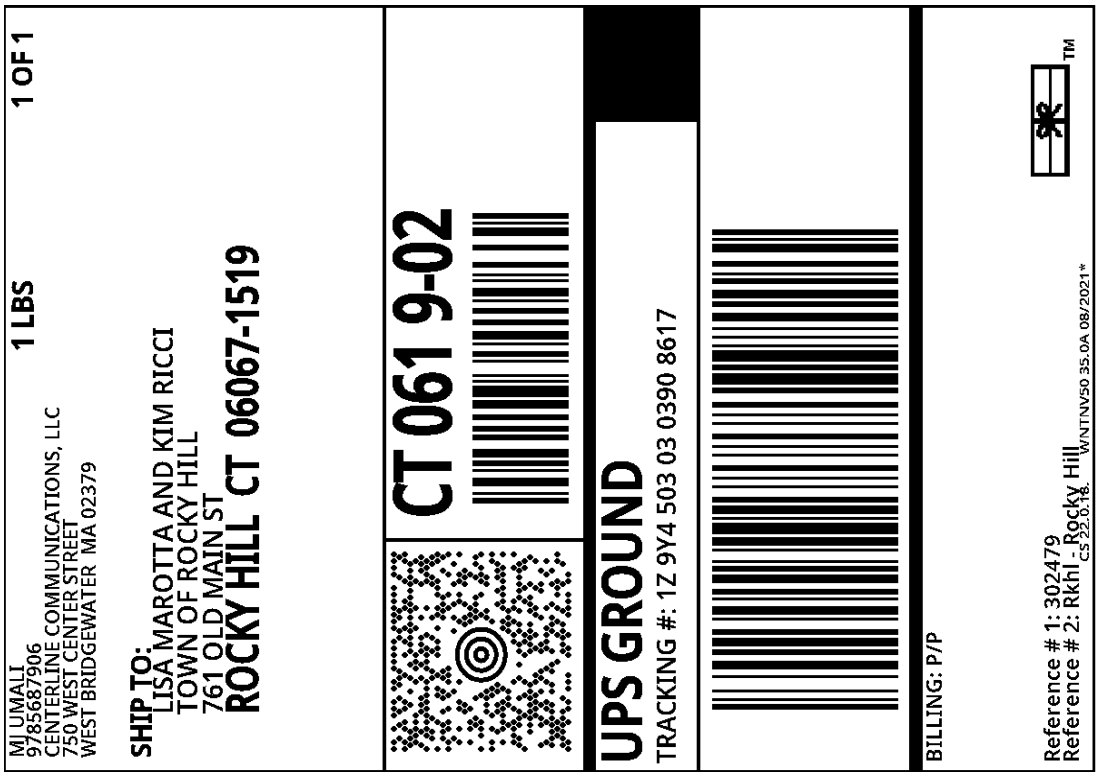

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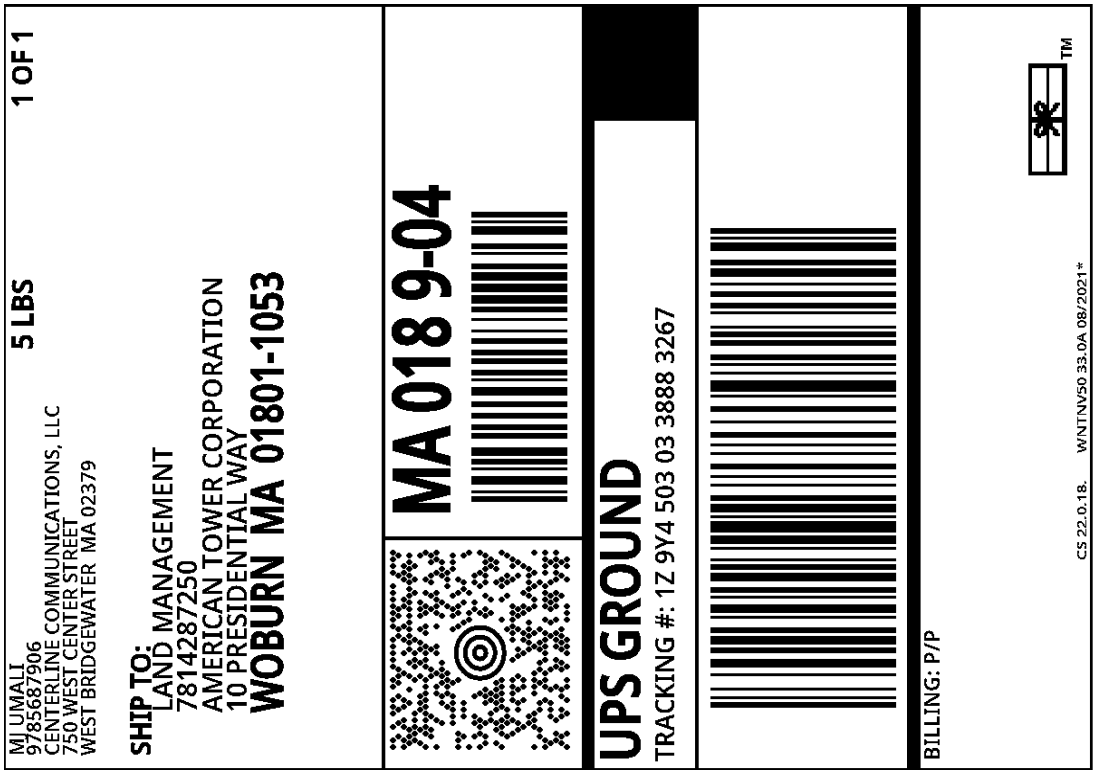

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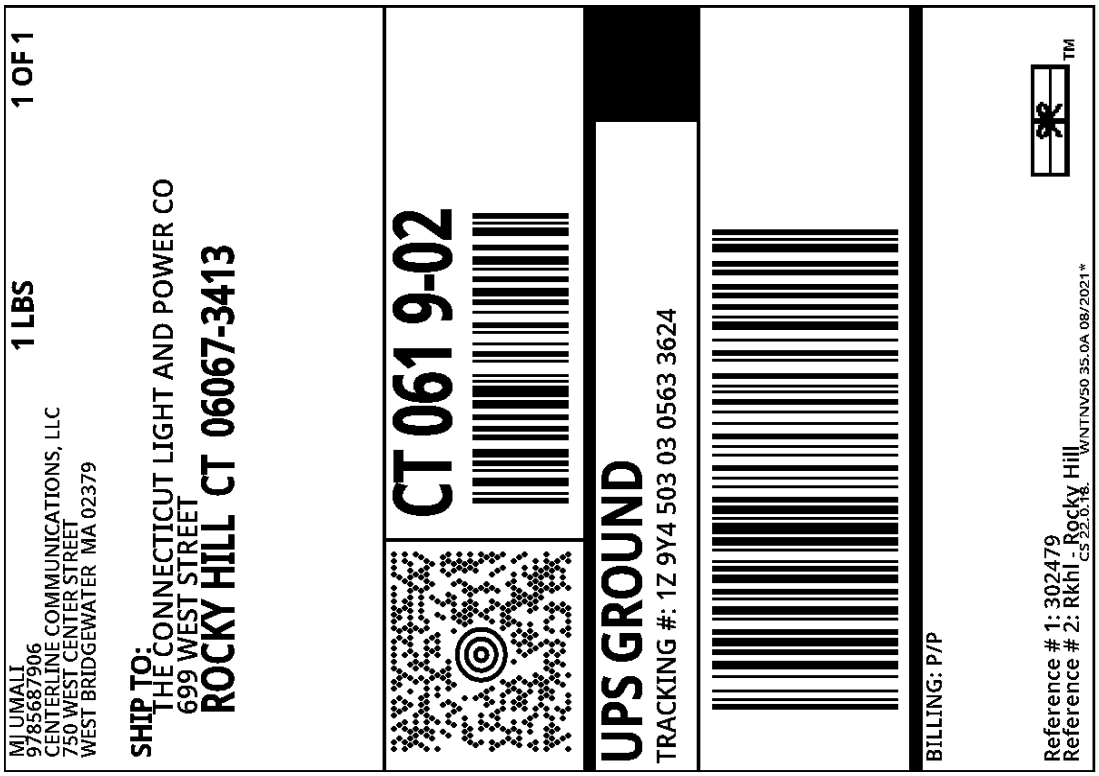

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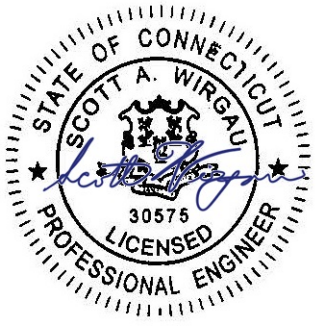
Structural Analysis Report

Structure	:	**100 ft Monopole**
ATC Site Name	:	**Rkhl - Rocky Hill, CT**
ATC Asset Number	:	**302479**
Engineering Number	:	**13678056_C3_02**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**ROCKY HILL IV CT**
Carrier Site Number	:	**535833**
Site Location	:	**699 West Street** **Rocky Hill, CT 06067-1924** **41.651800,-72.668500**
County	:	**Hartford**
Date	:	**June 14, 2021**
Max Usage	:	**76%**
Result	:	**Pass**



Prepared By:
Lyle Morin
Structural Engineer I

Reviewed By:

COA: PEC.0001553

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Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 100 ft monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	ITT Meyer Type D, AT&T Technologies #AT-8935, dated April 13, 1984 Mapping by Hightower Solutions, Project #1981, dated August 9, 2007
Foundation Drawing	SNET Site: Rocky Hill, Conn, dated November 12, 1991
Geotechnical Report	S&ME Job #1261-08-049Q, dated April 24, 2008
Modifications	ATC Engineering #40737338, dated May 5, 2008

Analysis

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

Basic Wind Speed:	118 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1 1/2" radial ice concurrent
Code:	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Spectral Response:	Ss = 0.20, S_1 = 0.05
Site Class:	D - Stiff Soil

Conclusion

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

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

Existing and Reserved Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
105.0	3	CCI HPA-65R-BUU-H6	Platform with Handrails	(12) 1 1/4" Coax (2) 0.39" (10mm) Fiber Trunk (4) 0.78" (19.7mm) 8 AWG 6 (2) 3" conduit	AT&T MOBILITY
	12	Powerwave Allgon 7020.00 Dual Band RET			
103.0	3	Powerwave Allgon 7770.00			
	3	Quintel QS66512-2			
100.0	6	Powerwave Allgon LGP21401			
	6	Kaelus DBC0061F1V51-2			
	2	Raycap DC6-48-60-18-8F (23.5" Height)			
	3	Ericsson RRUS 32 (55.1 lbs)			
	3	Ericsson RRUS 32 B66			
	3	Ericsson RRUS 11 (Band 12)			
	3	Ericsson RRUS 32 B2			
90.0	6	Andrew SBNHH-1D65B	Low Profile Platform	(6) 1 5/8" Coax (2) 1 5/8" Hybriflex	VERIZON WIRELESS
	3	Andrew LNX-6514DS-VTM			
80.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8" Coax	METRO PCS INC

Equipment to be Removed

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
90.0	3	Alcatel-Lucent B25 RRH4x30	-	(6) 1 5/8" Coax	VERIZON WIRELESS
	3	Alcatel-Lucent B13 RRH4x30-4R 700U			
	3	Amphenol Antel BXA-70063-6CF-EDIN-X			
	2	RFS DB-T1-6Z-8AB-0Z			
	3	Alcatel-Lucent RRH4X45-B66 w/ Solar Shield			

Proposed Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
90.0	3	Samsung Outdoor CBRS 20W RRH –Clip-on Antenna	Low Profile Platform	-	VERIZON WIRELESS
	3	Samsung RT4401-48A			
	3	Samsung B5/B13 RRH-BR04C			
	3	Samsung B2/B66A RRH-BR049			
	2	Raycap RCMDC-6627-PF-48			
	3	Samsung MT6407-77A			

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

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	25%	Pass
Shaft	76%	Pass
Base Plate	49%	Pass
Reinforcement	76%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	1,053.8	43%
Axial (Kips)	26.3	13%
Shear (Kips)	14.0	21%

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

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
90.0	Samsung Outdoor CBRS 20W RRH –Clip-on Antenna	VERIZON WIRELESS	0.701	0.916
	Samsung RT4401-48A			
	Samsung B5/B13 RRH-BR04C			
	Samsung B2/B66A RRH-BR049			
	Raycap RCMDC-6627-PF-48			
	Samsung MT6407-77A			

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

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Standard Conditions

All engineering services performed by A.T. Engineering Service, PLLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

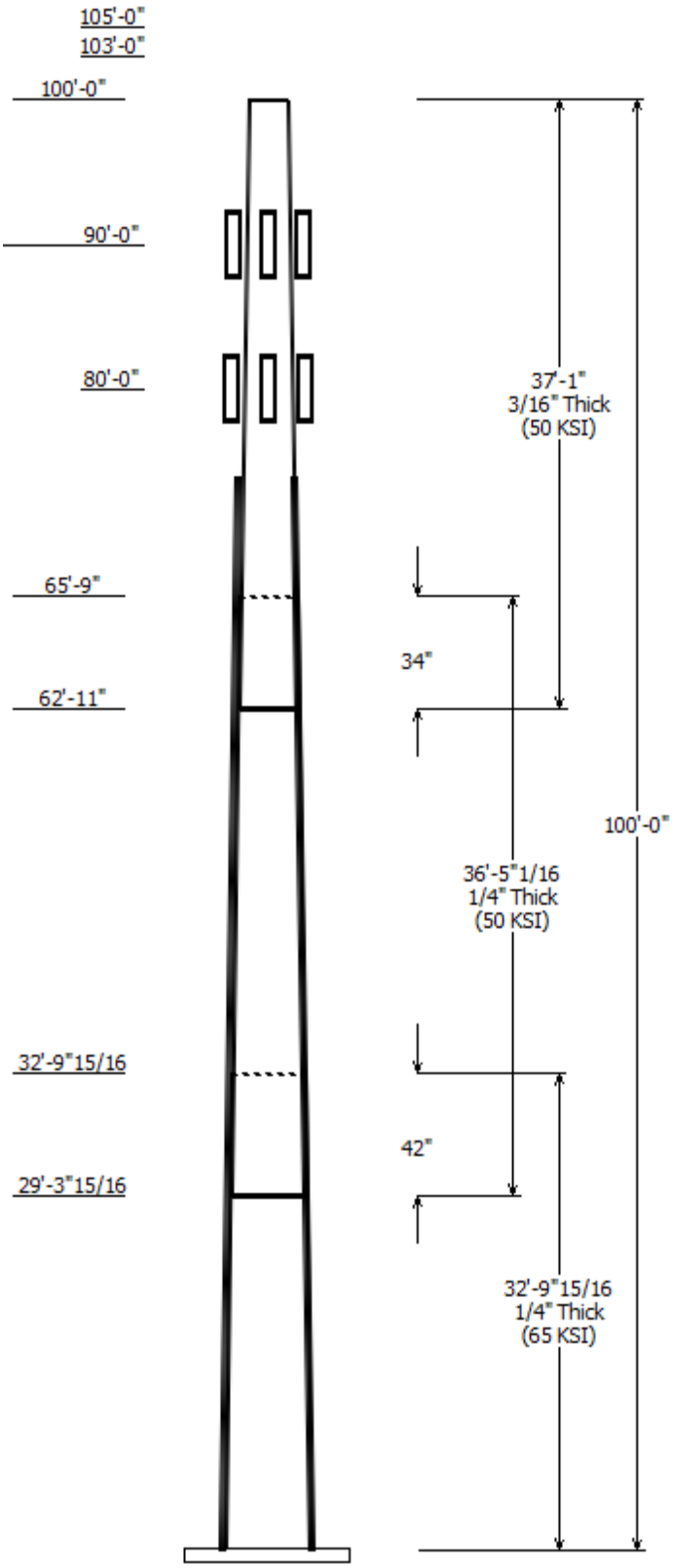
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC and used in the performance of our engineering services is correct and complete.

All assets of American Tower Corporation, its affiliates and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

Unless explicitly agreed by both the client and A.T. Engineering Service, PLLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Service, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.



Job Information

Client :	VERIZON WIRELESS		
Pole :	302479	Code:	ANSI/TIA-222-H
Location :	Rkhl - Rocky Hill, CT		
Description :	100 ft Monopole	Risk Category :	II
Shape :	12 Sides	Exposure :	B
Height :	100.00 (ft)	Topo Method :	Method 1
Base Elev (ft):	0.00	Topographic Category :	1
Taper:	0.163760 (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	32.830	24.62	30.00	0.250		0.000	12 Sides	65
2	36.420	19.73	25.69	0.250	Slip Joint	42.000	12 Sides	50
3	37.083	14.50	20.57	0.188	Slip Joint	34.000	12 Sides	50

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
105.000	105.000	3	CCI HPA-65R-BUU-H6
105.000	105.000	12	Powerwave Allgon 7020.00
103.000	106.000	3	Quintel QS66512-2
103.000	106.000	3	Powerwave Allgon 7770.00
100.000	100.000	1	Flat Platform with Handrails
100.000	100.000	3	Ericsson RRUS 32 (55.1 lbs)
100.000	100.000	3	Ericsson RRUS 32 B66
100.000	100.000	3	Ericsson RRUS 32 B2
100.000	100.000	3	Ericsson RRUS 11 (Band 12)
100.000	100.000	2	Raycap DC6-48-60-18-8F (23.5"
100.000	100.000	6	Powerwave Allgon LGP21401
100.000	100.000	6	Kaelus DBC0061F1V51-2
90.000	90.000	1	Round Low Profile Platform
90.000	90.000	6	Andrew SBNHH-1D65B
90.000	90.000	3	Andrew LNX-6514DS-VTM
90.000	90.000	3	Samsung MT6407-77A
90.000	90.000	2	Raycap RCMDC-6627-PF-48
90.000	90.000	3	Samsung B2/B66A RRH-BR049
90.000	90.000	3	Samsung B5/B13 RRH-BR04C
90.000	90.000	3	Samsung RT4401-48A
90.000	90.000	3	Samsung Outdoor CBRS 20W
80.000	80.000	3	RFS APXV18-206517S-C

Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
5.000	80.000	1 5/8" Coax	Yes
5.000	90.000	1 5/8" Coax	Yes
5.000	90.000	1 5/8" Hybriflex	Yes
5.000	100.0	0.39" (10mm)	No
5.000	100.0	0.78" (19.7mm) 8	No
5.000	100.0	3" conduit	No
5.000	103.0	1 1/4" Coax	No
0.000	78.400	Reinf.	Yes
0.000	78.400	Reinf.	Yes
0.000	78.400	Reinf.	Yes
0.000	78.400	Reinf.	Yes

Load Cases

1.2D + 1.0W	118 mph with No Ice

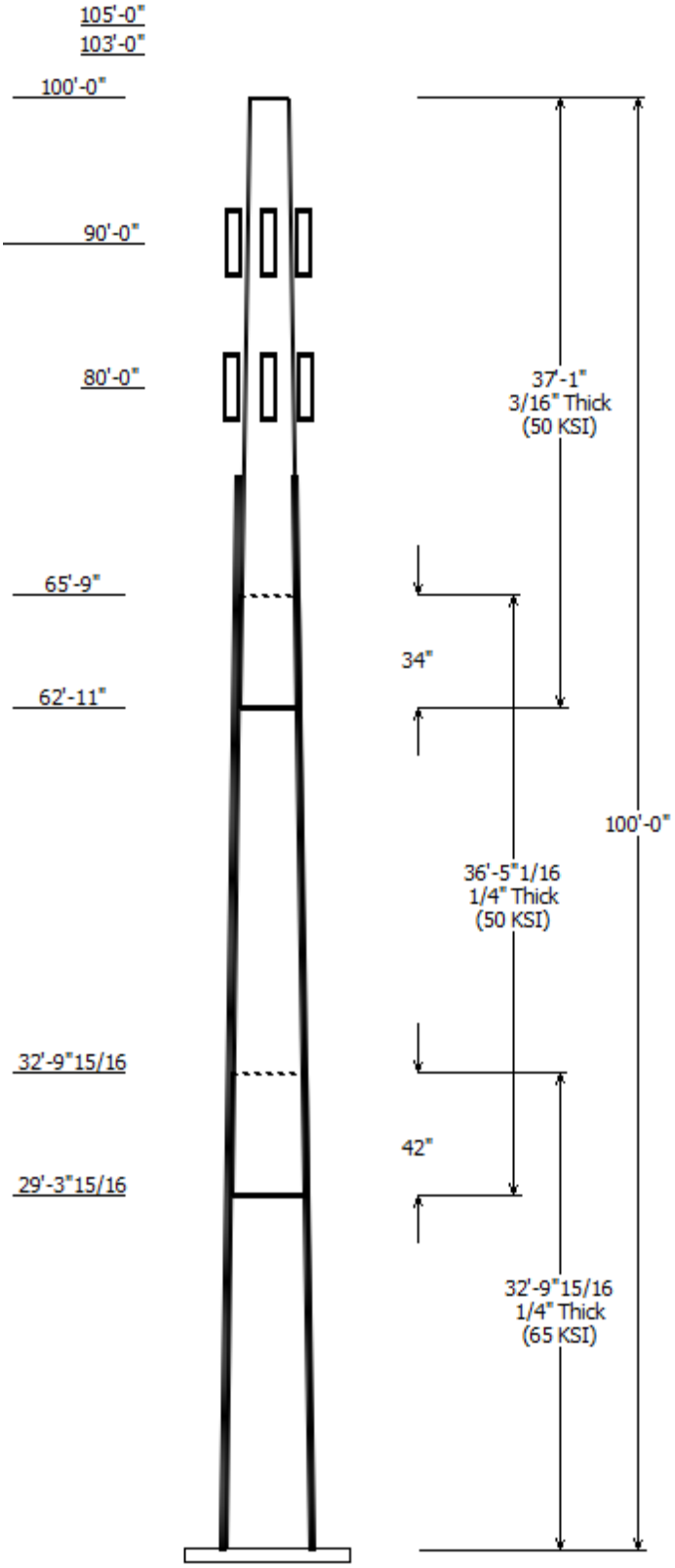
0.9D + 1.0W	118 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.50 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

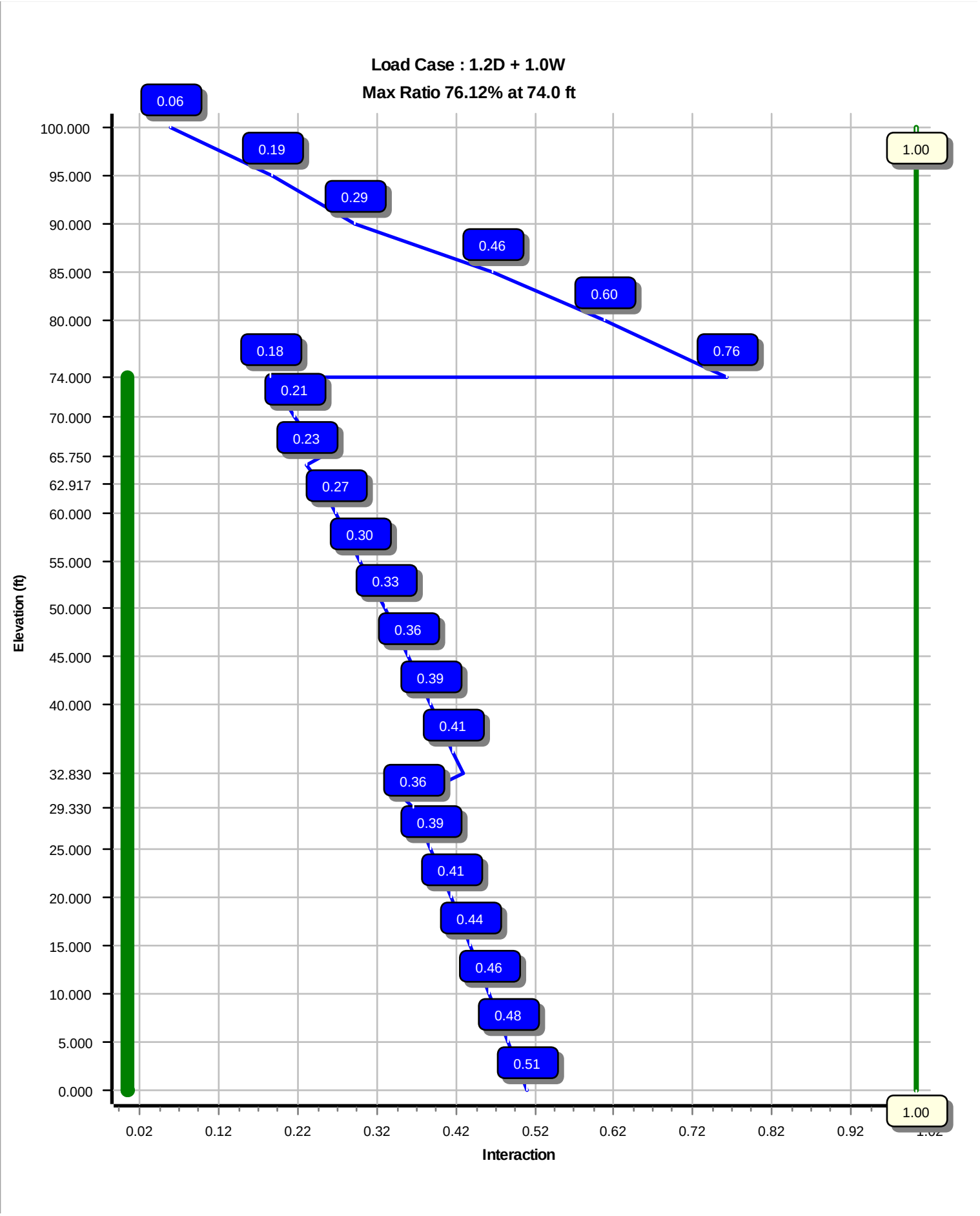
Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	1053.84	14.01	26.31
0.9D + 1.0W	1042.12	13.99	19.73
1.2D + 1.0Di + 1.0Wi	285.27	3.52	41.11
1.2D + 1.0Ev + 1.0Eh	73.75	0.87	26.27
0.9D - 1.0Ev + 1.0Eh	72.74	0.87	18.12
1.0D + 1.0W	242.15	3.24	21.95

Dish Deflections

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




Load Case : 1.2D + 1.0W
Max Ratio 76.12% at 74.0 ft
0.06
0.19
0.29
0.46
0.60
0.76
0.18
0.21
0.23
0.27
0.30
0.33
0.36
0.39
0.41
0.36
0.39
0.41
0.44
0.46
0.48
0.51
1.00
1.00
100.000
95.000
90.000
85.000
80.000
74.000
70.000
65.750
62.917
60.000
55.000
50.000
45.000
40.000
32.830
29.330
25.000
20.000
15.000
10.000
5.000
0.000
Elevation (ft)
0.02
0.12
0.22
0.32
0.42
0.52
0.62
0.72
0.82
0.92
Interaction

Site Number: 302479 | Code: ANSI/TIA-222-H |

Site Name: Rkhl - Rocky Hill, CT | Engineering Number:13678056_C3_02 | 6/14/2021 4:44:14 PM

Customer: VERIZON WIRELESS

Analysis Parameters

Location :	Hartford County, CT	Height (ft) :	100
Code :	ANSI/TIA-222-H	Base Diameter (in) :	30.00
Shape :	12 Sides	Top Diameter (in) :	14.50
Pole Type :	Taper	Taper (in/ft) :	0.164
Pole Manfacturer :	ITT Meyer	Rotation (deg) :	0.00
Kd (non-service) :	0.95	Ke :	0.99

Ice & Wind Parameters

Exposure Category:	B	Design Wind Speed Without Ice:	118 mph
Risk Category:	II	Design Wind Speed With Ice:	50 mph
Topographic Factor Procedure:	Method 1	Operational Wind Speed:	60 mph
Topographic Category:	1	Design Ice Thickness:	1.50 in
Crest Height:	0 ft	HMSL:	197.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil				
Period Based on Rayleigh Method (sec):	1.93				
T_L (sec):	6	p:	1.3	C_s:	0.030
S_s:	0.201	S_1:	0.055	C_s Max:	0.030
F_a:	1.600	F_v:	2.400	C_s Min:	0.030
S_{ds}:	0.214	S_{d1}:	0.088		

Load Cases

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

Site Number: 302479 Code: ANSI/TIA-222-H

Site Name: Rkhl - Rocky Hill, CT Engineering Number:13678056_C3_02 6/14/2021 4:44:14 PM

Customer: VERIZON WIRELESS

Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint Len (in)	Weight (lb)	Bottom Dia (in)	Bottom Elev (ft)	Bottom Area (in²)	Bottom Ix (in⁴)	Bottom W/t Ratio	Bottom D/t Ratio	Top Dia (in)	Top Elev (ft)	Top Area (in²)	Top Ix (in⁴)	Top W/t Ratio	Top D/t Ratio	Taper (in/ft)
1-12	32.830	0.2500	65		0.00	2,434	30.00	0.00	23.95	2705.5	29.47	120.00	24.62	32.83	19.62	1487.8	23.71	98.50	0.163760
2-12	36.420	0.2500	50	Slip	42.00	2,241	25.69	29.33	20.48	1693.1	24.86	102.79	19.73	65.75	15.68	759.9	18.47	78.93	0.163760
3-12	37.083	0.1880	50	Slip	34.00	1,325	20.57	62.92	12.34	654.5	26.64	109.43	14.50	100.00	8.66	226.5	17.99	77.13	0.163760
				Shaft Weight		6,000													

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
105.00	Powerwave Allgon 7020.00 Dual	12	0.75	0.000	2.20	0.339	0.50	12.00	0.732	0.50
105.00	CCI HPA-65R-BUU-H6	3	0.75	0.000	51.00	9.658	0.69	261.58	12.319	0.69
103.00	Powerwave Allgon 7770.00	3	0.75	3.000	35.00	5.508	0.65	163.23	6.517	0.65
103.00	Quintel QS66512-2	3	0.75	3.000	111.00	8.133	0.74	302.27	10.809	0.74
100.00	Kaelus DBC0061F1V51-2	6	0.75	0.000	25.50	0.433	0.50	43.23	0.864	0.50
100.00	Powerwave Allgon LGP21401	6	0.75	0.000	14.10	1.104	0.50	38.05	1.789	0.50
100.00	Raycap DC6-48-60-18-8F (23.5"	2	0.75	0.000	20.00	1.260	1.00	70.54	1.892	1.00
100.00	Ericsson RRUS 11 (Band 12)	3	0.75	0.000	50.00	2.566	0.50	115.43	3.571	0.50
100.00	Ericsson RRUS 32 B2	3	0.75	0.000	53.00	2.743	0.50	123.59	3.865	0.50
100.00	Ericsson RRUS 32 B66	3	0.75	0.000	53.00	2.743	0.50	123.59	3.865	0.50
100.00	Ericsson RRUS 32 (55.1 lbs)	3	0.75	0.000	55.10	2.852	0.50	129.56	3.992	0.50
100.00	Flat Platform with Handrails	1	1.00	0.000	2,000.00	42.400	1.00	3,364.05	62.529	1.00
90.00	Samsung Outdoor CBRS 20W	3	0.80	0.000	4.40	0.892	0.50	21.49	1.499	0.50
90.00	Samsung RT4401-48A	3	0.80	0.000	18.60	0.996	0.50	44.24	1.646	0.50
90.00	Samsung B5/B13 RRH-BR04C	3	0.80	0.000	70.30	1.875	0.50	124.61	2.732	0.50
90.00	Samsung B2/B66A RRH-BR049	3	0.80	0.000	84.40	1.875	0.50	144.97	2.732	0.50
90.00	Raycap RCMDC-6627-PF-48	2	0.80	0.000	32.00	4.056	0.79	152.67	5.352	0.79
90.00	Samsung MT6407-77A	3	0.80	0.000	81.60	4.709	0.61	178.38	6.151	0.61
90.00	Andrew LNX-6514DS-VTM	3	0.80	0.000	33.10	8.079	0.69	198.64	10.724	0.69
90.00	Andrew SBNHH-1D65B	6	0.80	0.000	50.70	8.173	0.69	217.31	10.860	0.69
90.00	Round Low Profile Platform	1	1.00	0.000	1,500.00	21.700	1.00	2,115.15	39.929	1.00
80.00	RFS APXV18-206517S-C	3	1.00	0.000	26.40	5.160	0.68	113.31	7.379	0.68
Totals	Num Loadings:22	78			6,352.90			13,995.88		

Linear Appurtenance Properties

Load Case Azimuth (deg) : 30

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
5.00	103.00	12	1 1/4" Coax	1.55	0.63	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
5.00	100.00	2	0.39" (10mm) Fiber	0.39	0.06	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
5.00	100.00	4	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
5.00	100.00	2	3" conduit	3.50	7.58	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
5.00	90.00	6	1 5/8" Coax	1.98	0.82	N	6	0.00	0.00	150	0.00	Y	VERIZON WIRELESS
5.00	90.00	2	1 5/8" Hybriflex	1.98	1.30	N	1	0.00	0.00	185	0.00	Y	VERIZON WIRELESS
5.00	80.00	6	1 5/8" Coax	1.98	0.82	N	3	0.00	0.00	240	0.00	Y	METRO PCS INC
0.00	78.40	1	Reinf.	2.50	4.00	N	1	0.00	0.00	15	0.00	Y	
0.00	78.40	1	Reinf.	2.50	4.00	N	1	0.00	0.00	105	0.00	Y	
0.00	78.40	1	Reinf.	2.50	4.00	N	1	0.00	0.00	195	0.00	Y	
0.00	78.40	1	Reinf.	2.50	4.00	N	1	0.00	0.00	285	0.00	Y	

Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	Intermediate Connections			Connectors	Continuation?
						Description	Spacing (in)	Len (in)		
0.00	74.00	4	SOL #20 All Thread	80	2.20	6" Angle Bracket	30.0	3.31	5/8" A36 U-Bolt	No

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)	Additional Reinforcing Area (in^2)	Additional Reinforcing Ix (in^4)	Additional Reinforcing Weight (lb)
0.00		0.2500	30.000	23.949	2,705.5	29.47	120.00	72.6	174.2	0.0	0.0	19.64	3,350	0.0
5.00		0.2500	29.181	23.290	2,488.2	28.60	116.72	73.5	164.7	0.0	401.9	19.64	3,203	334.0
10.00		0.2500	28.362	22.630	2,282.8	27.72	113.45	74.5	155.5	0.0	390.6	19.64	3,060	334.0
15.00		0.2500	27.544	21.971	2,089.1	26.84	110.17	75.4	146.5	0.0	379.4	19.64	2,920	334.0
20.00		0.2500	26.725	21.312	1,906.7	25.96	106.90	76.4	137.8	0.0	368.2	19.64	2,783	334.0
25.00		0.2500	25.906	20.653	1,735.2	25.09	103.62	77.4	129.4	0.0	357.0	19.64	2,649	334.0
29.33	Bot - Section 2	0.2500	25.197	20.082	1,595.3	24.33	100.79	78.2	122.3	0.0	300.1	19.64	2,536	289.2
30.00		0.2500	25.087	19.994	1,574.3	24.21	100.35	78.3	121.2	0.0	92.3	19.64	2,598	44.8
32.83	Top - Section 1	0.2500	25.124	20.023	1,581.3	24.25	100.50	62.7	121.6	0.0	385.3	19.64	2,525	189.0
35.00		0.2500	24.768	19.737	1,514.5	23.87	99.07	63.0	118.1	0.0	146.8	19.64	2,469	145.0
40.00		0.2500	23.950	19.078	1,367.7	22.99	95.80	63.0	110.3	0.0	330.2	19.64	2,344	334.0
45.00		0.2500	23.131	18.419	1,230.8	22.11	92.52	63.0	102.8	0.0	319.0	19.64	2,221	334.0
50.00		0.2500	22.312	17.760	1,103.4	21.23	89.25	63.0	95.5	0.0	307.8	19.64	2,102	334.0
55.00		0.2500	21.493	17.101	985.0	20.36	85.97	63.0	88.5	0.0	296.6	19.64	1,986	334.0
60.00		0.2500	20.674	16.442	875.4	19.48	82.70	63.0	81.8	0.0	285.3	19.64	1,874	334.0
62.92	Bot - Section 3	0.2500	20.197	16.057	815.5	18.97	80.79	63.0	78.0	0.0	161.3	19.64	1,810	194.8
65.00		0.2500	19.856	15.783	774.3	18.60	79.42	63.0	75.3	0.0	199.6	19.64	1,814	139.2
65.75	Top - Section 2	0.1880	20.109	12.059	610.8	25.98	106.96	61.4	58.7	0.0	71.0	19.64	1,798	50.1
70.00		0.1880	19.413	11.638	549.0	24.99	103.26	62.2	54.6	0.0	171.4	19.64	1,707	283.9
74.00	Reinf. Top	0.1880	18.758	11.241	494.8	24.06	99.78	62.8	51.0	0.0	155.7	19.64	1,623	267.2
75.00		0.1880	18.594	11.142	481.8	23.82	98.90	63.0	50.1	0.0	38.1			
80.00		0.1880	17.775	10.647	420.3	22.65	94.55	63.0	45.7	0.0	185.4			
85.00		0.1880	16.956	10.151	364.3	21.49	90.19	63.0	41.5	0.0	176.9			
90.00		0.1880	16.138	9.655	313.5	20.32	85.84	63.0	37.5	0.0	168.5			
95.00		0.1880	15.319	9.160	267.7	19.15	81.48	63.0	33.8	0.0	160.1			
100.0		0.1880	14.500	8.664	226.5	17.99	77.13	63.0	30.2	0.0	151.6			
											6,000.0			4,943.2

Site Number: 302479 | Code: ANSI/TIA-222-H |

Site Name: Rkhl - Rocky Hill, CT | Engineering Number:13678056_C3_02 | 6/14/2021 4:44:14 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W | 118 mph with No Ice | 21 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		157.0	0.0					0.0	0.0	157.0	0.0	0.0	0.0
5.00		341.3	482.2					0.0	496.8	341.3	979.0	0.0	0.0
10.00		367.2	468.8					0.0	722.6	367.2	1,191.4	0.0	0.0
15.00		364.4	455.3					0.0	722.6	364.4	1,177.9	0.0	0.0
20.00		361.7	441.9					0.0	722.6	361.7	1,164.5	0.0	0.0
25.00		335.2	428.4					0.0	722.6	335.2	1,151.0	0.0	0.0
29.33	Bot - Section 2	179.4	360.1					0.0	625.8	179.4	985.9	0.0	0.0
30.00		128.6	110.8					0.0	96.8	128.6	207.6	0.0	0.0
32.83	Top - Section 1	184.3	462.4					0.0	409.0	184.3	871.4	0.0	0.0
35.00		269.1	176.2					0.0	313.6	269.1	489.8	0.0	0.0
40.00		383.7	396.2					0.0	722.6	383.7	1,118.9	0.0	0.0
45.00		394.4	382.8					0.0	722.6	394.4	1,105.4	0.0	0.0
50.00		404.1	369.3					0.0	722.6	404.1	1,092.0	0.0	0.0
55.00		413.1	355.9					0.0	722.6	413.1	1,078.5	0.0	0.0
60.00		332.3	342.4					0.0	722.6	332.3	1,065.0	0.0	0.0
62.92	Bot - Section 3	213.7	193.5					0.0	421.5	213.7	615.0	0.0	0.0
65.00		122.5	239.5					0.0	301.1	122.5	540.7	0.0	0.0
65.75	Top - Section 2	214.6	85.2					0.0	108.4	214.6	193.6	0.0	0.0
70.00		353.1	205.6					0.0	614.3	353.1	819.9	0.0	0.0
74.00	Reinf. Top	213.2	186.8					54.7	578.1	267.9	765.0	0.0	0.0
75.00		250.1	45.7					13.8	64.4	264.0	110.1	0.0	0.0
80.00	Appurtenance(s)	331.0	222.4	361.0	0.0	0.0	95.0	70.0	291.1	762.0	608.6	0.0	0.0
85.00		242.4	212.3					1.9	196.3	244.2	408.6	0.0	0.0
90.00	Appurtenance(s)	234.5	202.2	2,870.4	0.0	0.0	3,294.5	2.1	196.3	3,107.0	3,693.0	0.0	0.0
95.00		226.0	192.1					0.0	151.2	226.0	343.3	0.0	0.0
100.00	Appurtenance(s)	110.9	181.9	2,193.5	0.0	0.0	3,493.1	0.0	151.2	2,304.4	3,826.2	0.0	0.0
								Totals:		12,695.1	25,602.3	0.00	0.00

Load Case: 1.2D + 1.0W 118 mph with No Ice 21 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	-26.31	-14.01	0.00	-1,053.84	0.00	1,053.84	1,564.13	420.30	1,179.53	948.21	0.00	0.00	0.507
5.00	-25.28	-13.77	0.00	-983.80	0.00	983.80	1,541.14	408.73	1,115.51	908.35	0.13	-0.24	0.483
10.00	-24.03	-13.50	0.00	-914.94	0.00	914.94	1,517.02	397.16	1,053.28	868.61	0.51	-0.48	0.460
15.00	-22.81	-13.21	0.00	-847.47	0.00	847.47	1,491.76	385.60	992.84	829.05	1.13	-0.71	0.436
20.00	-21.60	-12.92	0.00	-781.41	0.00	781.41	1,465.37	374.03	934.18	789.73	2.00	-0.94	0.411
25.00	-20.40	-12.64	0.00	-716.81	0.00	716.81	1,437.84	362.46	877.31	750.70	3.11	-1.17	0.386
29.33	-19.40	-12.47	0.00	-662.09	0.00	662.09	1,413.08	352.44	829.50	717.19	4.27	-1.36	0.365
30.00	-19.18	-12.37	0.00	-653.73	0.00	653.73	1,409.18	350.89	822.22	712.03	4.46	-1.39	0.354
32.83	-18.29	-12.20	0.00	-618.73	0.00	618.73	1,130.06	270.32	634.34	571.84	5.32	-1.52	0.427
35.00	-17.77	-11.96	0.00	-592.27	0.00	592.27	1,119.11	266.45	616.35	558.13	6.04	-1.61	0.413
40.00	-16.63	-11.60	0.00	-532.48	0.00	532.48	1,081.73	257.56	575.89	521.29	7.83	-1.81	0.386
45.00	-15.50	-11.22	0.00	-474.48	0.00	474.48	1,044.36	248.66	536.79	485.71	9.83	-2.00	0.357
50.00	-14.39	-10.82	0.00	-418.39	0.00	418.39	1,006.99	239.76	499.08	451.39	12.03	-2.19	0.328
55.00	-13.30	-10.40	0.00	-364.29	0.00	364.29	969.61	230.86	462.73	418.33	14.41	-2.36	0.297
60.00	-12.23	-10.05	0.00	-312.27	0.00	312.27	932.24	221.96	427.76	386.52	16.98	-2.52	0.265
62.92	-11.61	-9.83	0.00	-282.95	0.00	282.95	910.44	216.77	408.00	368.55	18.55	-2.61	0.246
65.00	-11.07	-9.69	0.00	-262.48	0.00	262.48	894.87	213.06	394.17	355.97	19.70	-2.67	0.228
65.75	-10.87	-9.48	0.00	-255.21	0.00	255.21	666.75	162.80	305.95	270.38	20.12	-2.70	0.249
70.00	-10.05	-9.10	0.00	-214.94	0.00	214.94	651.10	157.11	284.95	254.72	22.57	-2.81	0.214
74.00	-9.29	-8.81	0.00	-178.52	0.00	178.52	635.86	151.76	265.87	240.20	24.97	-2.91	0.182
74.00	-9.29	-8.81	0.00	-178.52	0.00	178.52	635.86	151.76	265.87	240.20	24.97	-2.91	0.761
75.00	-9.16	-8.58	0.00	-169.72	0.00	169.72	631.77	150.42	261.20	236.53	25.58	-2.93	0.735
80.00	-8.54	-7.84	0.00	-126.84	0.00	126.84	603.66	143.73	238.49	215.85	28.89	-3.37	0.605
85.00	-8.11	-7.62	0.00	-87.63	0.00	87.63	575.56	137.04	216.81	196.12	32.62	-3.73	0.464
90.00	-4.62	-4.29	0.00	-49.54	0.00	49.54	547.45	130.35	196.16	177.33	36.68	-4.00	0.289
95.00	-4.28	-4.05	0.00	-28.11	0.00	28.11	519.35	123.65	176.54	159.49	40.96	-4.17	0.186
100.00	0.00	-3.72	0.00	-7.88	0.00	7.88	491.24	116.96	157.96	142.60	45.39	-4.27	0.056

Site Number: 302479 | Code: ANSI/TIA-222-H |

Site Name: Rkhl - Rocky Hill, CT | Engineering Number:13678056_C3_02 | 6/14/2021 4:44:16 PM

Customer: VERIZON WIRELESS

Load Case: 0.9D + 1.0W — 118 mph with No Ice (Reduced DL) — 21 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		157.0	0.0					0.0	0.0	157.0	0.0	0.0	0.0
5.00		341.3	361.7					0.0	372.6	341.3	734.3	0.0	0.0
10.00		367.2	351.6					0.0	542.0	367.2	893.6	0.0	0.0
15.00		364.4	341.5					0.0	542.0	364.4	883.5	0.0	0.0
20.00		361.7	331.4					0.0	542.0	361.7	873.4	0.0	0.0
25.00		335.2	321.3					0.0	542.0	335.2	863.3	0.0	0.0
29.33	Bot - Section 2	179.4	270.1					0.0	469.3	179.4	739.4	0.0	0.0
30.00		128.6	83.1					0.0	72.6	128.6	155.7	0.0	0.0
32.83	Top - Section 1	184.3	346.8					0.0	306.7	184.3	653.6	0.0	0.0
35.00		269.1	132.1					0.0	235.2	269.1	367.4	0.0	0.0
40.00		383.7	297.2					0.0	542.0	383.7	839.2	0.0	0.0
45.00		394.4	287.1					0.0	542.0	394.4	829.1	0.0	0.0
50.00		404.1	277.0					0.0	542.0	404.1	819.0	0.0	0.0
55.00		413.1	266.9					0.0	542.0	413.1	808.9	0.0	0.0
60.00		332.3	256.8					0.0	542.0	332.3	798.8	0.0	0.0
62.92	Bot - Section 3	213.7	145.1					0.0	316.1	213.7	461.3	0.0	0.0
65.00		122.5	179.7					0.0	225.8	122.5	405.5	0.0	0.0
65.75	Top - Section 2	214.6	63.9					0.0	81.3	214.6	145.2	0.0	0.0
70.00		353.1	154.2					0.0	460.7	353.1	614.9	0.0	0.0
74.00	Reinf. Top	213.2	140.1					54.7	433.6	267.9	573.7	0.0	0.0
75.00		250.1	34.3					13.8	48.3	264.0	82.6	0.0	0.0
80.00	Appurtenance(s)	331.0	166.8	361.0	0.0	0.0	71.3	70.0	218.3	762.0	456.4	0.0	0.0
85.00		242.4	159.2					1.9	147.2	244.2	306.5	0.0	0.0
90.00	Appurtenance(s)	234.5	151.6	2,870.4	0.0	0.0	2,470.9	2.1	147.2	3,107.0	2,769.7	0.0	0.0
95.00		226.0	144.1					0.0	113.4	226.0	257.5	0.0	0.0
100.00	Appurtenance(s)	110.9	136.5	2,193.5	0.0	0.0	2,619.8	0.0	113.4	2,304.4	2,869.7	0.0	0.0
								Totals:		12,695.1	19,201.7	0.00	0.00

Load Case: 0.9D + 1.0W 118 mph with No Ice (Reduced DL) 21 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	-19.73	-13.99	0.00	-1,042.12	0.00	1,042.12	1,564.13	420.30	1,179.53	948.21	0.00	0.00	0.499
5.00	-18.94	-13.73	0.00	-972.15	0.00	972.15	1,541.14	408.73	1,115.51	908.35	0.13	-0.24	0.476
10.00	-17.99	-13.43	0.00	-903.50	0.00	903.50	1,517.02	397.16	1,053.28	868.61	0.50	-0.47	0.452
15.00	-17.06	-13.13	0.00	-836.35	0.00	836.35	1,491.76	385.60	992.84	829.05	1.12	-0.70	0.428
20.00	-16.14	-12.82	0.00	-770.73	0.00	770.73	1,465.37	374.03	934.18	789.73	1.98	-0.93	0.404
25.00	-15.24	-12.52	0.00	-706.65	0.00	706.65	1,437.84	362.46	877.31	750.70	3.08	-1.15	0.379
29.33	-14.48	-12.35	0.00	-652.44	0.00	652.44	1,413.08	352.44	829.50	717.19	4.21	-1.35	0.358
30.00	-14.31	-12.24	0.00	-644.17	0.00	644.17	1,409.18	350.89	822.22	712.03	4.40	-1.38	0.348
32.83	-13.64	-12.06	0.00	-609.53	0.00	609.53	1,130.06	270.32	634.34	571.84	5.26	-1.50	0.419
35.00	-13.25	-11.82	0.00	-583.35	0.00	583.35	1,119.11	266.45	616.35	558.13	5.96	-1.59	0.405
40.00	-12.38	-11.45	0.00	-524.27	0.00	524.27	1,081.73	257.56	575.89	521.29	7.73	-1.79	0.378
45.00	-11.53	-11.07	0.00	-467.01	0.00	467.01	1,044.36	248.66	536.79	485.71	9.70	-1.98	0.350
50.00	-10.70	-10.67	0.00	-411.67	0.00	411.67	1,006.99	239.76	499.08	451.39	11.87	-2.16	0.321
55.00	-9.87	-10.25	0.00	-358.34	0.00	358.34	969.61	230.86	462.73	418.33	14.22	-2.33	0.291
60.00	-9.07	-9.90	0.00	-307.08	0.00	307.08	932.24	221.96	427.76	386.52	16.75	-2.49	0.259
62.92	-8.61	-9.68	0.00	-278.19	0.00	278.19	910.44	216.77	408.00	368.55	18.30	-2.58	0.241
65.00	-8.20	-9.55	0.00	-258.02	0.00	258.02	894.87	213.06	394.17	355.97	19.43	-2.64	0.223
65.75	-8.05	-9.34	0.00	-250.86	0.00	250.86	666.75	162.80	305.95	270.38	19.85	-2.66	0.243
70.00	-7.44	-8.97	0.00	-211.19	0.00	211.19	651.10	157.11	284.95	254.72	22.27	-2.77	0.209
74.00	-6.87	-8.68	0.00	-175.32	0.00	175.32	635.86	151.76	265.87	240.20	24.63	-2.86	0.178
74.00	-6.87	-8.68	0.00	-175.32	0.00	175.32	635.86	151.76	265.87	240.20	24.63	-2.86	0.744
75.00	-6.77	-8.44	0.00	-166.64	0.00	166.64	631.77	150.42	261.20	236.53	25.23	-2.89	0.718
80.00	-6.30	-7.70	0.00	-124.45	0.00	124.45	603.66	143.73	238.49	215.85	28.49	-3.32	0.590
85.00	-5.97	-7.47	0.00	-85.97	0.00	85.97	575.56	137.04	216.81	196.12	32.16	-3.67	0.452
90.00	-3.40	-4.19	0.00	-48.64	0.00	48.64	547.45	130.35	196.16	177.33	36.16	-3.94	0.282
95.00	-3.15	-3.96	0.00	-27.67	0.00	27.67	519.35	123.65	176.54	159.49	40.37	-4.11	0.181
100.00	0.00	-3.72	0.00	-7.88	0.00	7.88	491.24	116.96	157.96	142.60	44.73	-4.20	0.056

Site Number: 302479 Code: ANSI/TIA-222-H

Site Name: Rkhl - Rocky Hill, CT Engineering Number:13678056_C3_02 6/14/2021 4:44:18 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.50 in Radial Ice 20 Iterations

Gust Response Factor :1.10 Ice Dead Load Factor :1.00

Dead Load Factor :1.20 Ice Importance Factor :1.00

Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		38.3	0.0					0.0	0.0	38.3	0.0	0.0	0.0
5.00		75.9	709.8					0.0	540.4	75.9	1,250.2	0.0	0.0
10.00		74.4	717.0					0.0	914.4	74.4	1,631.4	0.0	0.0
15.00		72.7	709.9					0.0	924.9	72.7	1,634.8	0.0	0.0
20.00		70.9	698.1					0.0	932.2	70.9	1,630.3	0.0	0.0
25.00		64.6	683.9					0.0	937.8	64.6	1,621.7	0.0	0.0
29.33	Bot - Section 2	34.2	579.9					8.8	815.9	43.0	1,395.8	0.0	0.0
30.00		24.1	145.6					1.4	126.6	25.5	272.2	0.0	0.0
32.83	Top - Section 1	34.6	607.9					6.2	535.2	40.8	1,143.1	0.0	0.0
35.00		50.1	287.1					4.9	411.2	55.0	698.4	0.0	0.0
40.00		70.3	646.6					12.2	950.0	82.5	1,596.5	0.0	0.0
45.00		70.6	628.3					13.6	953.1	84.2	1,581.3	0.0	0.0
50.00		70.6	609.5					14.9	955.9	85.5	1,565.3	0.0	0.0
55.00		70.2	590.2					16.2	958.4	86.5	1,548.6	0.0	0.0
60.00		55.3	570.6					17.6	960.8	72.9	1,531.4	0.0	0.0
62.92	Bot - Section 3	34.9	324.7					10.9	561.4	45.8	886.2	0.0	0.0
65.00		19.9	333.8					8.1	401.5	28.0	735.3	0.0	0.0
65.75	Top - Section 2	34.8	119.0					3.5	144.6	38.4	263.6	0.0	0.0
70.00		57.0	391.9					22.4	820.4	79.5	1,212.3	0.0	0.0
74.00	Reinf. Top	34.3	357.8					31.6	773.4	65.9	1,131.1	0.0	0.0
75.00		40.5	88.2					8.9	113.4	49.4	201.6	0.0	0.0
80.00	Appurtenance(s)	66.7	427.4	92.7	0.0	0.0	315.9	41.1	516.0	200.5	1,259.2	0.0	0.0
85.00		65.3	409.9					75.2	312.7	140.5	722.6	0.0	0.0
90.00	Appurtenance(s)	63.7	392.3	762.6	0.0	0.0	5,939.3	76.8	313.4	903.1	6,645.1	0.0	0.0
95.00		62.0	374.5					0.0	151.2	62.0	525.7	0.0	0.0
100.00	Appurtenance(s)	30.6	356.6	581.1	0.0	0.0	5,668.9	0.0	151.2	611.6	6,176.6	0.0	0.0
								Totals:		3,197.30	38,860.4	0.00	0.00

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.50 in Radial Ice 20 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	-41.11	-3.52	0.00	-285.27	0.00	285.27	1,564.13	420.30	1,179.53	948.21	0.00	0.00	0.149
5.00	-39.86	-3.48	0.00	-267.69	0.00	267.69	1,541.14	408.73	1,115.51	908.35	0.03	-0.06	0.143
10.00	-38.22	-3.45	0.00	-250.27	0.00	250.27	1,517.02	397.16	1,053.28	868.61	0.14	-0.13	0.137
15.00	-36.58	-3.41	0.00	-233.02	0.00	233.02	1,491.76	385.60	992.84	829.05	0.31	-0.19	0.130
20.00	-34.95	-3.37	0.00	-215.96	0.00	215.96	1,465.37	374.03	934.18	789.73	0.55	-0.26	0.124
25.00	-33.32	-3.34	0.00	-199.09	0.00	199.09	1,437.84	362.46	877.31	750.70	0.85	-0.32	0.117
29.33	-31.93	-3.30	0.00	-184.64	0.00	184.64	1,413.08	352.44	829.50	717.19	1.17	-0.37	0.111
30.00	-31.65	-3.29	0.00	-182.43	0.00	182.43	1,409.18	350.89	822.22	712.03	1.22	-0.38	0.108
32.83	-30.51	-3.25	0.00	-173.13	0.00	173.13	1,130.06	270.32	634.34	571.84	1.46	-0.42	0.130
35.00	-29.81	-3.21	0.00	-166.07	0.00	166.07	1,119.11	266.45	616.35	558.13	1.65	-0.44	0.127
40.00	-28.21	-3.15	0.00	-150.00	0.00	150.00	1,081.73	257.56	575.89	521.29	2.15	-0.50	0.119
45.00	-26.63	-3.07	0.00	-134.27	0.00	134.27	1,044.36	248.66	536.79	485.71	2.70	-0.55	0.111
50.00	-25.06	-2.99	0.00	-118.91	0.00	118.91	1,006.99	239.76	499.08	451.39	3.31	-0.61	0.103
55.00	-23.51	-2.91	0.00	-103.94	0.00	103.94	969.61	230.86	462.73	418.33	3.97	-0.66	0.094
60.00	-21.98	-2.83	0.00	-89.40	0.00	89.40	932.24	221.96	427.76	386.52	4.68	-0.70	0.085
62.92	-21.09	-2.78	0.00	-81.14	0.00	81.14	910.44	216.77	408.00	368.55	5.12	-0.73	0.079
65.00	-20.35	-2.75	0.00	-75.34	0.00	75.34	894.87	213.06	394.17	355.97	5.44	-0.75	0.074
65.75	-20.09	-2.71	0.00	-73.28	0.00	73.28	666.75	162.80	305.95	270.38	5.56	-0.75	0.080
70.00	-18.88	-2.63	0.00	-61.74	0.00	61.74	651.10	157.11	284.95	254.72	6.25	-0.78	0.070
74.00	-17.75	-2.55	0.00	-51.22	0.00	51.22	635.86	151.76	265.87	240.20	6.92	-0.81	0.060
74.00	-17.75	-2.55	0.00	-51.22	0.00	51.22	635.86	151.76	265.87	240.20	6.92	-0.81	0.241
75.00	-17.54	-2.52	0.00	-48.67	0.00	48.67	631.77	150.42	261.20	236.53	7.09	-0.82	0.234
80.00	-16.28	-2.33	0.00	-36.06	0.00	36.06	603.66	143.73	238.49	215.85	8.01	-0.94	0.194
85.00	-15.56	-2.21	0.00	-24.39	0.00	24.39	575.56	137.04	216.81	196.12	9.06	-1.05	0.152
90.00	-8.93	-1.19	0.00	-13.37	0.00	13.37	547.45	130.35	196.16	177.33	10.20	-1.12	0.092
95.00	-8.41	-1.12	0.00	-7.44	0.00	7.44	519.35	123.65	176.54	159.49	11.40	-1.17	0.063
100.00	0.00	-0.94	0.00	-1.85	0.00	1.85	491.24	116.96	157.96	142.60	12.64	-1.19	0.013

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

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

Applied Segment Forces Summary

		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		36.3	0.0					0.0	0.0	36.3	0.0	0.0	0.0
5.00		78.9	401.9					0.0	414.0	78.9	815.9	0.0	0.0
10.00		84.9	390.6					0.0	602.2	84.9	992.8	0.0	0.0
15.00		84.3	379.4					0.0	602.2	84.3	981.6	0.0	0.0
20.00		83.7	368.2					0.0	602.2	83.7	970.4	0.0	0.0
25.00		77.5	357.0					0.0	602.2	77.5	959.2	0.0	0.0
29.33	Bot - Section 2	41.5	300.1					0.0	521.5	41.5	821.6	0.0	0.0
30.00		29.7	92.3					0.0	80.7	29.7	173.0	0.0	0.0
32.83	Top - Section 1	42.6	385.3					0.0	340.8	42.6	726.2	0.0	0.0
35.00		62.3	146.8					0.0	261.4	62.3	408.2	0.0	0.0
40.00		88.8	330.2					0.0	602.2	88.8	932.4	0.0	0.0
45.00		91.2	319.0					0.0	602.2	91.2	921.2	0.0	0.0
50.00		93.5	307.8					0.0	602.2	93.5	910.0	0.0	0.0
55.00		95.6	296.6					0.0	602.2	95.6	898.8	0.0	0.0
60.00		76.9	285.3					0.0	602.2	76.9	887.5	0.0	0.0
62.92	Bot - Section 3	49.4	161.3					0.0	351.3	49.4	512.5	0.0	0.0
65.00		28.3	199.6					0.0	250.9	28.3	450.5	0.0	0.0
65.75	Top - Section 2	49.6	71.0					0.0	90.3	49.6	161.3	0.0	0.0
70.00		81.7	171.4					0.0	511.9	81.7	683.2	0.0	0.0
74.00	Reinf. Top	49.3	155.7					12.7	481.8	62.0	637.5	0.0	0.0
75.00		57.9	38.1					3.2	53.6	61.1	91.7	0.0	0.0
80.00	Appurtenance(s)	76.6	185.4	83.5	0.0	0.0	79.2	16.2	242.6	176.3	507.2	0.0	0.0
85.00		56.1	176.9					0.4	163.6	56.5	340.5	0.0	0.0
90.00	Appurtenance(s)	54.2	168.5	664.0	0.0	0.0	2,745.4	0.5	163.6	718.7	3,077.5	0.0	0.0
95.00		52.5	160.1					0.0	126.0	52.5	286.1	0.0	0.0
100.00	Appurtenance(s)	25.8	151.6	507.4	0.0	0.0	2,910.9	0.0	126.0	533.3	3,188.5	0.0	0.0
								Totals:		2,937.13	21,335.2	0.00	0.00

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

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-21.95	-3.24	0.00	-242.15	0.00	242.15	1,564.13	420.30	1,179.53	948.21	0.00	0.00	0.122
5.00	-21.13	-3.18	0.00	-225.96	0.00	225.96	1,541.14	408.73	1,115.51	908.35	0.03	-0.05	0.116
10.00	-20.14	-3.11	0.00	-210.06	0.00	210.06	1,517.02	397.16	1,053.28	868.61	0.12	-0.11	0.110
15.00	-19.15	-3.04	0.00	-194.50	0.00	194.50	1,491.76	385.60	992.84	829.05	0.26	-0.16	0.105
20.00	-18.18	-2.97	0.00	-179.28	0.00	179.28	1,465.37	374.03	934.18	789.73	0.46	-0.22	0.099
25.00	-17.22	-2.91	0.00	-164.42	0.00	164.42	1,437.84	362.46	877.31	750.70	0.72	-0.27	0.093
29.33	-16.40	-2.87	0.00	-151.83	0.00	151.83	1,413.08	352.44	829.50	717.19	0.98	-0.31	0.088
30.00	-16.22	-2.84	0.00	-149.91	0.00	149.91	1,409.18	350.89	822.22	712.03	1.02	-0.32	0.085
32.83	-15.49	-2.80	0.00	-141.87	0.00	141.87	1,130.06	270.32	634.34	571.84	1.22	-0.35	0.103
35.00	-15.09	-2.75	0.00	-135.79	0.00	135.79	1,119.11	266.45	616.35	558.13	1.39	-0.37	0.099
40.00	-14.15	-2.66	0.00	-122.06	0.00	122.06	1,081.73	257.56	575.89	521.29	1.80	-0.42	0.093
45.00	-13.23	-2.57	0.00	-108.75	0.00	108.75	1,044.36	248.66	536.79	485.71	2.26	-0.46	0.086
50.00	-12.32	-2.48	0.00	-95.88	0.00	95.88	1,006.99	239.76	499.08	451.39	2.76	-0.50	0.079
55.00	-11.42	-2.39	0.00	-83.48	0.00	83.48	969.61	230.86	462.73	418.33	3.31	-0.54	0.072
60.00	-10.53	-2.30	0.00	-71.55	0.00	71.55	932.24	221.96	427.76	386.52	3.90	-0.58	0.064
62.92	-10.02	-2.25	0.00	-64.83	0.00	64.83	910.44	216.77	408.00	368.55	4.26	-0.60	0.060
65.00	-9.57	-2.22	0.00	-60.13	0.00	60.13	894.87	213.06	394.17	355.97	4.52	-0.61	0.055
65.75	-9.41	-2.17	0.00	-58.47	0.00	58.47	666.75	162.80	305.95	270.38	4.62	-0.62	0.060
70.00	-8.72	-2.09	0.00	-49.23	0.00	49.23	651.10	157.11	284.95	254.72	5.18	-0.64	0.052
74.00	-8.09	-2.02	0.00	-40.88	0.00	40.88	635.86	151.76	265.87	240.20	5.73	-0.67	0.045
74.00	-8.09	-2.02	0.00	-40.88	0.00	40.88	635.86	151.76	265.87	240.20	5.73	-0.67	0.183
75.00	-7.99	-1.97	0.00	-38.86	0.00	38.86	631.77	150.42	261.20	236.53	5.87	-0.67	0.177
80.00	-7.49	-1.80	0.00	-29.03	0.00	29.03	603.66	143.73	238.49	215.85	6.63	-0.77	0.147
85.00	-7.14	-1.74	0.00	-20.06	0.00	20.06	575.56	137.04	216.81	196.12	7.49	-0.86	0.115
90.00	-4.08	-0.98	0.00	-11.35	0.00	11.35	547.45	130.35	196.16	177.33	8.42	-0.92	0.071
95.00	-3.79	-0.92	0.00	-6.45	0.00	6.45	519.35	123.65	176.54	159.49	9.40	-0.96	0.048
100.00	0.00	-0.86	0.00	-1.82	0.00	1.82	491.24	116.96	157.96	142.60	10.42	-0.98	0.013

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}):	0.09
Seismic Response Coefficient (C_s):	0.03
Upper Limit C_s	0.03
Lower Limit C_s	0.03
Period based on Rayleigh Method (sec):	1.93
Redundancy Factor (p):	1.30
Seismic Force Distribution Exponent (k):	1.72
Total Unfactored Dead Load:	21.95 k
Seismic Base Shear (E):	0.87 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)
25	97.50	278	716	0.026	23	345
24	92.50	286	674	0.025	21	356
23	87.50	332	712	0.026	23	413
22	82.50	341	660	0.024	21	423
21	77.50	428	745	0.027	24	532
20	74.50	92	149	0.005	5	114
19	72.00	637	978	0.036	31	792
18	67.87	683	947	0.035	30	849
17	65.37	161	210	0.008	7	201
16	63.96	451	564	0.021	18	560
15	61.46	513	599	0.022	19	637
14	57.50	888	926	0.034	29	1,103
13	52.50	899	802	0.029	25	1,117
12	47.50	910	684	0.025	22	1,131
11	42.50	921	572	0.021	18	1,145
10	37.50	932	467	0.017	15	1,159
9	33.91	408	172	0.006	5	507
8	31.41	726	269	0.010	8	903
7	29.66	173	58	0.002	2	215
6	27.16	822	237	0.009	7	1,021
5	22.50	959	200	0.007	6	1,192
4	17.50	970	132	0.005	4	1,206
3	12.50	982	75	0.003	2	1,220
2	7.50	993	31	0.001	1	1,234
1	2.50	816	4	0.000	0	1,014

Powerwave Allgon 702	100.00	26	71	0.003	2	33
CCI HPA-65R-BUU-H6	100.00	153	412	0.015	13	190
Powerwave Allgon 777	100.00	105	283	0.010	9	131
Quintel QS66512-2	100.00	333	897	0.033	28	414
Kaelus DBC0061F1V51-	100.00	153	412	0.015	13	190
Powerwave Allgon LGP	100.00	85	228	0.008	7	105
Raycap DC6-48-60-18-	100.00	40	108	0.004	3	50
Ericsson RRUS 11 (Ba	100.00	150	404	0.015	13	186
Ericsson RRUS 32 B2	100.00	159	428	0.016	14	198
Ericsson RRUS 32 B66	100.00	159	428	0.016	14	198
Ericsson RRUS 32 (55	100.00	165	445	0.016	14	205
Flat Platform with H	100.00	2,000	5,389	0.197	171	2,486
Samsung Outdoor CBRS	90.00	13	30	0.001	1	16
Samsung RT4401-48A	90.00	56	125	0.005	4	69
Samsung B5/B13 RRH-B	90.00	211	474	0.017	15	262
Samsung B2/B66A RRH-	90.00	253	569	0.021	18	315
Raycap RCMDC-6627-PF	90.00	64	144	0.005	5	80
Samsung MT6407-77A	90.00	245	551	0.020	17	304
Andrew LNX-6514DS-VT	90.00	99	223	0.008	7	123
Andrew SBNHH-1D65B	90.00	304	684	0.025	22	378
Round Low Profile Pl	90.00	1,500	3,373	0.123	107	1,864
RFS APXV18-206517S-C	80.00	79	146	0.005	5	98
		21,953	27,407	1.000	867	27,285

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)
25	97.50	278	716	0.026	23	238
24	92.50	286	674	0.025	21	245
23	87.50	332	712	0.026	23	285
22	82.50	341	660	0.024	21	292
21	77.50	428	745	0.027	24	367
20	74.50	92	149	0.005	5	79
19	72.00	637	978	0.036	31	546
18	67.87	683	947	0.035	30	586
17	65.37	161	210	0.008	7	138
16	63.96	451	564	0.021	18	386
15	61.46	513	599	0.022	19	439
14	57.50	888	926	0.034	29	761
13	52.50	899	802	0.029	25	770
12	47.50	910	684	0.025	22	780
11	42.50	921	572	0.021	18	790
10	37.50	932	467	0.017	15	799
9	33.91	408	172	0.006	5	350
8	31.41	726	269	0.010	8	622
7	29.66	173	58	0.002	2	148
6	27.16	822	237	0.009	7	704
5	22.50	959	200	0.007	6	822
4	17.50	970	132	0.005	4	832
3	12.50	982	75	0.003	2	841
2	7.50	993	31	0.001	1	851
1	2.50	816	4	0.000	0	699
Powerwave Allgon 702	100.00	26	71	0.003	2	23
CCI HPA-65R-BUU-H6	100.00	153	412	0.015	13	131
Powerwave Allgon 777	100.00	105	283	0.010	9	90
Quintel QS66512-2	100.00	333	897	0.033	28	285
Kaelus DBC0061F1V51-	100.00	153	412	0.015	13	131
Powerwave Allgon LGP	100.00	85	228	0.008	7	73
Raycap DC6-48-60-18-	100.00	40	108	0.004	3	34
Ericsson RRUS 11 (Ba	100.00	150	404	0.015	13	129

Ericsson RRUS 32 B2	100.00	159	428	0.016	14	136
Ericsson RRUS 32 B66	100.00	159	428	0.016	14	136
Ericsson RRUS 32 (55	100.00	165	445	0.016	14	142
Flat Platform with H	100.00	2,000	5,389	0.197	171	1,714
Samsung Outdoor CBRS	90.00	13	30	0.001	1	11
Samsung RT4401-48A	90.00	56	125	0.005	4	48
Samsung B5/B13 RRH-B	90.00	211	474	0.017	15	181
Samsung B2/B66A RRH-	90.00	253	569	0.021	18	217
Raycap RCMDC-6627-PF	90.00	64	144	0.005	5	55
Samsung MT6407-77A	90.00	245	551	0.020	17	210
Andrew LNX-6514DS-VT	90.00	99	223	0.008	7	85
Andrew SBNHH-1D65B	90.00	304	684	0.025	22	261
Round Low Profile Pl	90.00	1,500	3,373	0.123	107	1,286
RFS APXV18-206517S-C	80.00	79	146	0.005	5	68
		21,953	27,407	1.000	867	18,816

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	-26.27	-0.87	0.00	-73.75	0.00	73.75	1,564.13	420.30	1,179.53	948.21	0.00	0.00	0.044
5.00	-25.04	-0.88	0.00	-69.40	0.00	69.40	1,541.14	408.73	1,115.51	908.35	0.01	-0.02	0.042
10.00	-23.82	-0.88	0.00	-65.02	0.00	65.02	1,517.02	397.16	1,053.28	868.61	0.04	-0.03	0.040
15.00	-22.61	-0.88	0.00	-60.61	0.00	60.61	1,491.76	385.60	992.84	829.05	0.08	-0.05	0.038
20.00	-21.42	-0.88	0.00	-56.20	0.00	56.20	1,465.37	374.03	934.18	789.73	0.14	-0.07	0.037
25.00	-20.40	-0.88	0.00	-51.79	0.00	51.79	1,437.84	362.46	877.31	750.70	0.22	-0.08	0.035
29.33	-20.18	-0.88	0.00	-47.99	0.00	47.99	1,413.08	352.44	829.50	717.19	0.30	-0.10	0.033
30.00	-19.28	-0.87	0.00	-47.41	0.00	47.41	1,409.18	350.89	822.22	712.03	0.32	-0.10	0.032
32.83	-18.77	-0.87	0.00	-44.94	0.00	44.94	1,130.06	270.32	634.34	571.84	0.38	-0.11	0.039
35.00	-17.61	-0.85	0.00	-43.06	0.00	43.06	1,119.11	266.45	616.35	558.13	0.43	-0.12	0.037
40.00	-16.47	-0.84	0.00	-38.80	0.00	38.80	1,081.73	257.56	575.89	521.29	0.56	-0.13	0.035
45.00	-15.34	-0.82	0.00	-34.62	0.00	34.62	1,044.36	248.66	536.79	485.71	0.70	-0.14	0.033
50.00	-14.22	-0.79	0.00	-30.54	0.00	30.54	1,006.99	239.76	499.08	451.39	0.86	-0.16	0.030
55.00	-13.12	-0.76	0.00	-26.59	0.00	26.59	969.61	230.86	462.73	418.33	1.03	-0.17	0.027
60.00	-12.48	-0.74	0.00	-22.79	0.00	22.79	932.24	221.96	427.76	386.52	1.22	-0.18	0.025
62.92	-11.92	-0.72	0.00	-20.62	0.00	20.62	910.44	216.77	408.00	368.55	1.33	-0.19	0.023
65.00	-11.72	-0.72	0.00	-19.11	0.00	19.11	894.87	213.06	394.17	355.97	1.41	-0.19	0.022
65.75	-10.87	-0.68	0.00	-18.58	0.00	18.58	666.75	162.80	305.95	270.38	1.44	-0.19	0.024
70.00	-10.08	-0.65	0.00	-15.67	0.00	15.67	651.10	157.11	284.95	254.72	1.62	-0.20	0.021
74.00	-9.96	-0.65	0.00	-13.06	0.00	13.06	635.86	151.76	265.87	240.20	1.79	-0.21	0.018
74.00	-9.96	-0.65	0.00	-13.06	0.00	13.06	635.86	151.76	265.87	240.20	1.79	-0.21	0.070
75.00	-9.43	-0.63	0.00	-12.41	0.00	12.41	631.77	150.42	261.20	236.53	1.84	-0.21	0.067
80.00	-8.91	-0.60	0.00	-9.28	0.00	9.28	603.66	143.73	238.49	215.85	2.08	-0.24	0.058
85.00	-8.50	-0.58	0.00	-6.27	0.00	6.27	575.56	137.04	216.81	196.12	2.35	-0.27	0.047
90.00	-4.73	-0.35	0.00	-3.36	0.00	3.36	547.45	130.35	196.16	177.33	2.64	-0.29	0.028
95.00	-4.38	-0.32	0.00	-1.62	0.00	1.62	519.35	123.65	176.54	159.49	2.95	-0.30	0.019
100.00	0.00	-0.30	0.00	0.00	0.00	0.00	491.24	116.96	157.96	142.60	3.27	-0.30	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	-18.12	-0.87	0.00	-72.74	0.00	72.74	1,564.13	420.30	1,179.53	948.21	0.00	0.00	0.041
5.00	-17.27	-0.87	0.00	-68.39	0.00	68.39	1,541.14	408.73	1,115.51	908.35	0.01	-0.02	0.039
10.00	-16.42	-0.88	0.00	-64.03	0.00	64.03	1,517.02	397.16	1,053.28	868.61	0.04	-0.03	0.037
15.00	-15.59	-0.88	0.00	-59.65	0.00	59.65	1,491.76	385.60	992.84	829.05	0.08	-0.05	0.036
20.00	-14.77	-0.87	0.00	-55.27	0.00	55.27	1,465.37	374.03	934.18	789.73	0.14	-0.07	0.034
25.00	-14.07	-0.87	0.00	-50.91	0.00	50.91	1,437.84	362.46	877.31	750.70	0.22	-0.08	0.032
29.33	-13.92	-0.87	0.00	-47.16	0.00	47.16	1,413.08	352.44	829.50	717.19	0.30	-0.10	0.030
30.00	-13.29	-0.86	0.00	-46.58	0.00	46.58	1,409.18	350.89	822.22	712.03	0.31	-0.10	0.029
32.83	-12.94	-0.85	0.00	-44.15	0.00	44.15	1,130.06	270.32	634.34	571.84	0.37	-0.11	0.036
35.00	-12.14	-0.84	0.00	-42.29	0.00	42.29	1,119.11	266.45	616.35	558.13	0.42	-0.11	0.034
40.00	-11.36	-0.82	0.00	-38.09	0.00	38.09	1,081.73	257.56	575.89	521.29	0.55	-0.13	0.032
45.00	-10.58	-0.80	0.00	-33.97	0.00	33.97	1,044.36	248.66	536.79	485.71	0.69	-0.14	0.030
50.00	-9.80	-0.78	0.00	-29.96	0.00	29.96	1,006.99	239.76	499.08	451.39	0.85	-0.15	0.027
55.00	-9.04	-0.75	0.00	-26.07	0.00	26.07	969.61	230.86	462.73	418.33	1.01	-0.17	0.025
60.00	-8.60	-0.73	0.00	-22.33	0.00	22.33	932.24	221.96	427.76	386.52	1.20	-0.18	0.023
62.92	-8.22	-0.71	0.00	-20.21	0.00	20.21	910.44	216.77	408.00	368.55	1.31	-0.19	0.021
65.00	-8.08	-0.70	0.00	-18.73	0.00	18.73	894.87	213.06	394.17	355.97	1.39	-0.19	0.020
65.75	-7.49	-0.67	0.00	-18.20	0.00	18.20	666.75	162.80	305.95	270.38	1.42	-0.19	0.021
70.00	-6.95	-0.64	0.00	-15.34	0.00	15.34	651.10	157.11	284.95	254.72	1.59	-0.20	0.019
74.00	-6.87	-0.64	0.00	-12.78	0.00	12.78	635.86	151.76	265.87	240.20	1.76	-0.21	0.016
74.00	-6.87	-0.64	0.00	-12.78	0.00	12.78	635.86	151.76	265.87	240.20	1.76	-0.21	0.064
75.00	-6.50	-0.61	0.00	-12.14	0.00	12.14	631.77	150.42	261.20	236.53	1.81	-0.21	0.062
80.00	-6.14	-0.59	0.00	-9.07	0.00	9.07	603.66	143.73	238.49	215.85	2.04	-0.24	0.052
85.00	-5.86	-0.57	0.00	-6.12	0.00	6.12	575.56	137.04	216.81	196.12	2.31	-0.26	0.041
90.00	-3.26	-0.34	0.00	-3.28	0.00	3.28	547.45	130.35	196.16	177.33	2.59	-0.28	0.024
95.00	-3.02	-0.32	0.00	-1.58	0.00	1.58	519.35	123.65	176.54	159.49	2.90	-0.29	0.016
100.00	0.00	-0.30	0.00	0.00	0.00	0.00	491.24	116.96	157.96	142.60	3.21	-0.30	0.000

Analysis Summary

	Reactions						Max Usage	
Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W	14.01	0.00	26.31	0.00	0.00	1053.84	74.00	0.76
0.9D + 1.0W	13.99	0.00	19.73	0.00	0.00	1042.12	74.00	0.74
1.2D + 1.0Di + 1.0Wi	3.52	0.00	41.11	0.00	0.00	285.27	74.00	0.24
1.2D + 1.0Ev + 1.0Eh	0.87	0.00	26.27	0.00	0.00	73.75	74.00	0.07
0.9D - 1.0Ev + 1.0Eh	0.87	0.00	18.12	0.00	0.00	72.74	74.00	0.06
1.0D + 1.0W	3.24	0.00	21.95	0.00	0.00	242.15	74.00	0.18

Additional Steel Summary

Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors VQ/I (lb/in)	Shear Applied (kips)	Shear phiVn (kips)	Ratio	Max Member Pu (kip)	phiPn (kip)	Ratio
0.00	74.00	(4) SOL-#20 All Thread Bar	261.9	7.9	16.8	0.467	192.1	330.5	0.581

Elev From (ft)	Elev To (ft)	Member	Upper Termination Connectors MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	Ratio	Lower Termination Connectors MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	Ratio
0.00	74.00	(4) SOL-#20 All Thread Bar	63.7	12.0	6	7	0.758	0.0	12.0	0	0	0.000

Site Name: Rkhl-Rocky Hill, CT
Site Number: 302479
Tower Type: MP
Design Loads (Factored) - Analysis per TIA-222-H Standards

Monolithic Mat & Pier Foundation Analysis

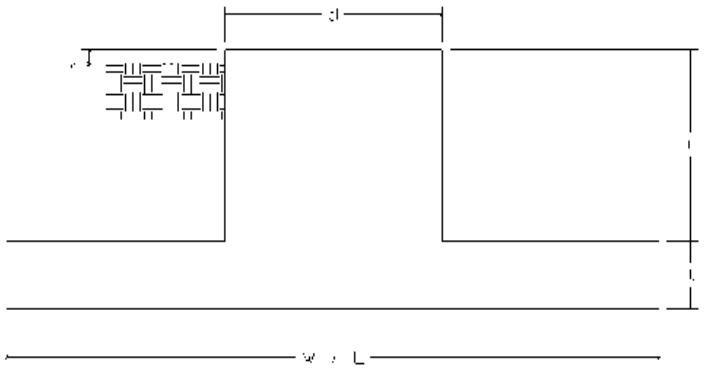
Foundation Analysis Parameters		
Design / Analysis / Mapping:	Analysis	-
Compression/Leg:	26.3	k
Uplift/Leg:	0.0	k
Total Shear:	14.0	k
Moment:	1,053.8	k-ft
Tower + Appurtenance Weight:	26.3	k
Depth to Base of Foundation (l + t - h):	8	ft
Diameter of Pier (d):	6.77	ft
Length of Pier (l):	5.5	ft
Height of Pier above Ground (h):	0.5	ft
Width of Pad (W):	18	ft
Length of Pad (L):	18	ft
Thickness of Pad (t):	3	ft
Tower Leg Center to Center:	0	ft
Number of Tower Legs:	1	-
Tower Center from Mat Center:	0	ft
Depth Below Ground Surface to Water Table:	99	ft
Unit Weight of Concrete:	150	pcf
Unit Weight of Soil Above Water Table:	100	pcf
Unit Weight of Water:	62.4	pcf
Unit Weight of Soil Below Water Table:	37.6	pcf
Friction Angle of Uplift:	0	°
Coefficient of Shear Friction:	0.35	-
Ultimate Compressive Bearing Pressure:	30,000	psf
Ultimate Passive Pressure on Pad Face:	0	psf
$f_{Soil\ and\ Concrete\ Weight}$:	0.9	-
f_{Soil}:	0.75	-

Overturning Moment Usage		
Design OTM:	1172.9	k-ft
OTM Resistance:	2747.8	k-ft
Design OTM / OTM Resistance:	43%	Pass

Soil Bearing Pressure Usage		
Net Bearing Pressure:	2848	psf
Factored Nominal Bearing Pressure:	22500	psf
Factored Nominal (Net) Bearing Pressure:	13%	Pass
Load Direction Controling Design Bearing Pressure:	*Diagonal to Pad Edge*	

Sliding Factor of Safety		
Ultimate Friction Resistance:	119.5	k
Ultimate Passive Pressure Resistance:	0.0	k
Total Factored Sliding Resistance:	89.6	k
Sliding Design / Sliding Resistance:	16%	Pass

Foundation Steel Parameters		
Shear/Leg (Compression):	9.3	k
Shear/Leg (Uplift):	7.7	k
Concrete Strength (f'_c):	3,000	psi
Pad Tension Steel Depth:	32.38	in
Dead Load Factor:	0.9	-
f_{Shear}:	0.75	-
$f_{Flexure\ /\ Tension}$:	0.9	-
$f_{Compression:}$	0.65	-
b:	0.85	-
Bottom Pad Rebar Size #:	10	-
# of Bottom Pad Rebar:	35	-
Pad Bottom Steel Area:	44.45	in^2
Pad Steel F_y:	60,000	psi
Top Pad Rebar Size #:	5	-
# of Top Pad Rebar:	35	-
Pad Top Steel Area:	10.85	in^2
Pier Rebar Size #:	11	-
Pier Steel Area (Single Bar):	1.56	in^2
# of Pier Rebar:	52	-
Pier Steel F_y:	60,000	psi
Pier Cage Diameter:	72.9	in
Rebar Strain Limit:	0.008	-
Steel Elastic Modulus:	29,000	ksi
Tie Rebar Size #:	4	-
Tie Steel Area (Single Bar):	0.20	in^2
Tie Spacing:	12	in
Tie Steel F_y:	60,000	psi
Clear Cover:	3	in



Pad Strength Capacity			
Factored One Way Shear (V_u):	88.4	k	
One Way Shear Capacity (fV_c):	424.2	k	*ACI 318-14 25.5.5.1*
V_u / fV_c:	21%	Pass	
Load Direction Controling Shear Capacity:	*Diagonal to Pad Edge*		
Lower Steel Pad Factored Moment (M_u):	531.9	k-ft	
Lower Steel Pad Moment Capacity (fM_n):	6215.3	k-ft	*ACI 318-14 22.3.1.1*
M_u / fM_n:	9%	Pass	
Load Direction Controling Flexural Capacity:	*Diagonal to Pad Edge*		
Upper Steel Pad Factored Moment (M_u):	250.4	k-ft	
Upper Steel Pad Moment Capacity (fM_n):	1556.2	k-ft	
M_u / fM_n:	16%	Pass	
Lower Pad Flexural Reinforcement Ratio:	0.0064		*OK - ACI 318-14 7.6.1.1 & 8.6.1.1*
Upper Pad Flexural Reinforcement Ratio:	0.0016		*OK - ACI 318-14 7.6.1.1 & 8.6.1.1*
Pad Shrinkage Reinforcement Ratio:	0.0079		*OK - ACI 318-14 24.4.3.2*
Lower Pad Reinforcement Spacing:	6.2	in	*OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3*
Upper Pad Reinforcement Spacing:	6.2	in	*OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3*
Ultimate Punching Shear Stress, v_u:	11.34	psi	*ACI 318-14 R8.4.4.2.3*
Nominal Punching Shear Capacity (f_cv_c):	164.3	psi	*ACI 318-14 22.6.5.2*
v_u / f_cv_c:	7%	Pass	
Pier Moment Pad Flexure Transfer Ratio, γ_f:	0.60		*TIA-222-H 9.4.2*
Moment Transfer Effective Flexural Width, B_{eff}:	15.77	ft	*TIA-222-H 9.4.2*
Moment Transfer Through Pad Flexure:	8142.44	k-in	*TIA-222-H 9.4.2*
Moment Transfer Flexural Capacity ($fM_{sc,f}$):	65816.31	k-in	
g_fM_{sc} / $fM_{sc,f}$:	0%	Pass	

Pier Strength Capacity			
Factored Moment in Pier (M_u):	1130.9	k-ft	
Pier Moment Capacity (fM_n):	13005.5	k-ft	
M_u / fM_n:	9%	Pass	
Factored Shear in Pier (V_u):	14.0	k	
Pier Shear Capacity (fV_n):	524.4	k	*ACI 318-14 22.5.1.1*
V_u / fV_c:	3%	Pass	
Pier Shear Reinforcement Ratio:	0.0004		*OK - No Ties Necessary for Shear - ACI11.5.6.1*
Factored Tension in Pier (T_u):	0.0	k	
Pier Tension Capacity (fT_n):	4380.5	k	
T_u / fT_n:	0%	Pass	
Factored Compression in Pier (P_u):	26.3	k	
Pier Compression Capacity (fP_n):	6814.5	k	*ACI 318-14 22.4.2.1*
P_u / fP_n:	0%	Pass	
Pier Compression Reinforcement Ratio:	0.016		*OK - TIA-222-H 9.4.1*
Minimum Depth to Develop Vertical Rebar:	63	in	*ACI 318-14 25.4.2.3*
Minimum Hook Development Length:	31	in	*ACI 318-14 25.4.3.1*
Minimum Mat Thickness / Edge Distance from Pier:	34.0	in	
Minimum Foundation Depth:	8.35	ft	
$M_u/f_BM_n + T_u/f_TT_n$:	9%	Pass	

Base Plate & Anchor Rod Analysis

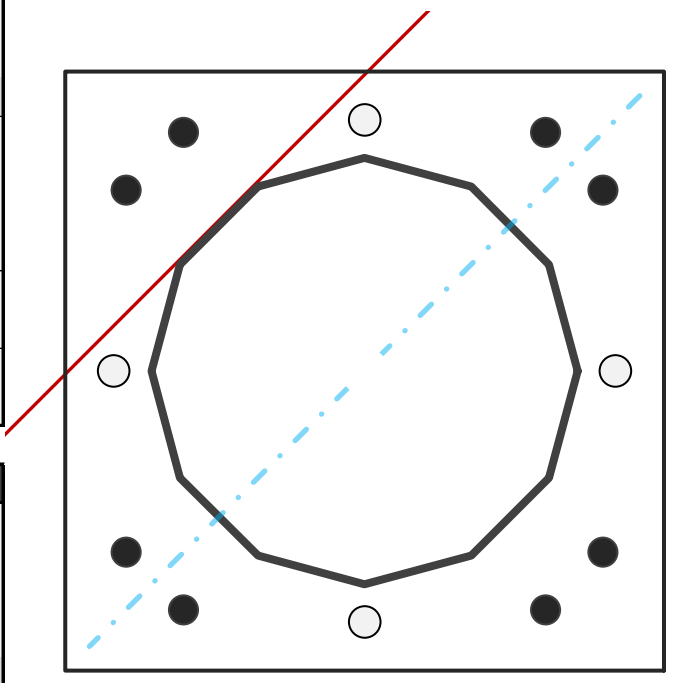
Pole Dimensions		
Number of Sides	12	-
Diameter	30	in
Thickness	1/4	in
Orientation Offset		°

Base Reactions		
Moment, Mu	1,053.8	k-ft
Axial, Pu	26.3	k
Shear, Vu	14.0	k
Neutral Axis	45	°

Report Capacities		
Component	Capacity	Result
Base Plate	49%	Pass
Anchor Rods	25%	Pass
Dwyidag	36%	Pass

Base Plate		
Shape	Square	-
Width	44	in
Thickness	2	in
Grade	A572-60	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Clip	0	in
Orientation Offset	0	°
Anchor Rod Detail	c	η=0.55
Clear Distance	N/A	in
Applied Moment, Mu	840.7	k
Bending Stress, ϕMn	1726.7	k

Dywidag Reinforcement		
Quantity	4	-
Bar Size	#20	in
Diameter, ø	2.5	in
Bracket Type	Angle	-
Circle	36.88	in
Orientation Offset	0	°
Applied Force, Pu	140.9	k
Dywidag Bar, ϕPn	392.7	k



Original Anchor Rods		
Arrangement	Cluster	-
Quantity	8	-
Diameter, ø	2 1/4	in
Bolt Circle	44	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	6.0	in
Orientation Offset	0	°
Applied Force, Pu	63.0	k
Anchor Rods, ϕPn	259.8	k

Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	14.0	456.4	0.43
Anchor Rod Forces	14.0	456.4	0.43
Additional Bolt (Grp1) Forces	0.0	0.0	0.00
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	597.4	0.57
Stiffener Forces	0.0	0.0	0.00

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in^2	in^2	in^4	#	in^4
Pole	23.0996	1.9250	0.0403		2556.06
Bolt	3.9761	3.2477	0.8393	4.5	6294.24
Bolt1	0.0000	0.0000	0.0000	0	0.00
Bolt2	0.0000	0.0000	0.0000	0	0.00
Dywidag	4.9087	4.9087	1.9175		3345.94
Stiffener	0.0000	0.0000	0.0000		0.00

Base Plate		
Shape	Square	-
Width, W	44	in
Thickness, t	2	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Base Plate Chord	32.187	in
Detail Type	c	-
Detail Factor	0.55	-
Clear Distance	N/A	-

Anchor Rods		
Anchor Rod Quantity, N	8	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	44	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	63.0	k
Applied Shear, Vu	0.4	k
Compressive Capacity, ϕPn	259.8	k
Tensile Capacity, ϕRnt	0.243	OK
Interaction Capacity	0.246	OK

External Base Plate		
Chord Length AA	31.975	in
Additional AA	0.000	in
Section Modulus, Z	31.975	in^3
Applied Moment, Mu	840.7	k-ft
Bending Capacity, ϕMn	1726.7	k-ft
Capacity, Mu/ϕMn	0.487	OK
Chord Length AB	30.908	in
Additional AB	0.000	in
Section Modulus, Z	30.908	in^3
Applied Moment, Mu	773.5	k-ft
Bending Capacity, ϕMn	1669.0	k-ft
Capacity, Mu/ϕMn	0.463	OK
Bend Line Length	0.000	in
Additional Bend Line	0.000	in
Section Modulus, Z	0.000	in^3
Applied Moment, Mu	0.0	k-ft
Bending Capacity, ϕMn	0.0	k-ft
Capacity, Mu/ϕMn		

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

Dywidag Reinforcement		
Dywidag Quantity, N	4	-
Dywidag Diameter, d	2.5	in
Bolt Circle, BC	36.88	in
Yield Strength, Fy	80	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	140.9	k
Compressive Capacity, ϕPn	392.7	k
Capacity, Pu/ϕPn	0.359	OK

Maser Consulting Connecticut
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Mount Laurel, NJ 08054
856.797.0412
Peter.Albano@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10082847
Maser Consulting Connecticut Project #: 21777941A

July 9, 2021

Site Information	*Site ID:*	*535833-VZW / ROCKY HILL 4 CT*
	Site Name:	*ROCKY HILL 4 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*2 West Street* *Rocky Hill, Connecticut 06067* *Hartford County*
	Latitude:	*41.651764°*
	Longitude:	*-72.668472°*
Structure Information	*Tower Type:*	*107-Ft Monopole*
	Mount Type:	*12.00-Ft Platform*

FUZE ID # 16502069

Analysis Results

Platform: **41.4% Pass**

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

Report Prepared By: Lauren Luzier

Digitally signed by Derek Hartzell
Date: 2021.07.09 08:58:59-07'00'

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 675027, dated May 3, 2021*
Mount Mapping Report	*Structural Components, Site ID: 16502069, May 4, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut Project #: 21777941A, dated June 25, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut Project #: 21777941A, dated July 8, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	118 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.993
Seismic Parameters:	S_S:	0.201
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
89.50	91.50	3	Samsung	MT6407-77A	Added
	90.00	3	Commscope	LNX-6514DS-A1M	Retained
		6	Andrew	SBNHH-1D65B	
		3	Samsung	B2/B66A RRH-BR049	Added
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
	88.00	3	Samsung	XXDWMM-12.5-65 - CBRS	

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
RC3DC-3315-PF-48	6	OVP-6
RHSDC-6627-PF-48	12	OVP-12

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	*15.9 %*	*Pass*
Platform Crossmember	*32.4 %*	*Pass*
Dual Mount Pipe	*24.6 %*	*Pass*
Mount Pipe	*30.9 %*	*Pass*
Grating Support	*19.8 %*	*Pass*
Face Horizontal	*12.2 %*	*Pass*
Cross Arm Plate	*41.4 %*	*Pass*
Corner Plate	*40.6 %*	*Pass*
Kickers	*8.7 %*	*Pass*
Support Rail	*13.4 %*	*Pass*
Support Rail Corner	*20.7 %*	*Pass*
Mount Connection	*22.2 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**41.4%**

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


05.04.2021 10:31


05.04.2021 13:19

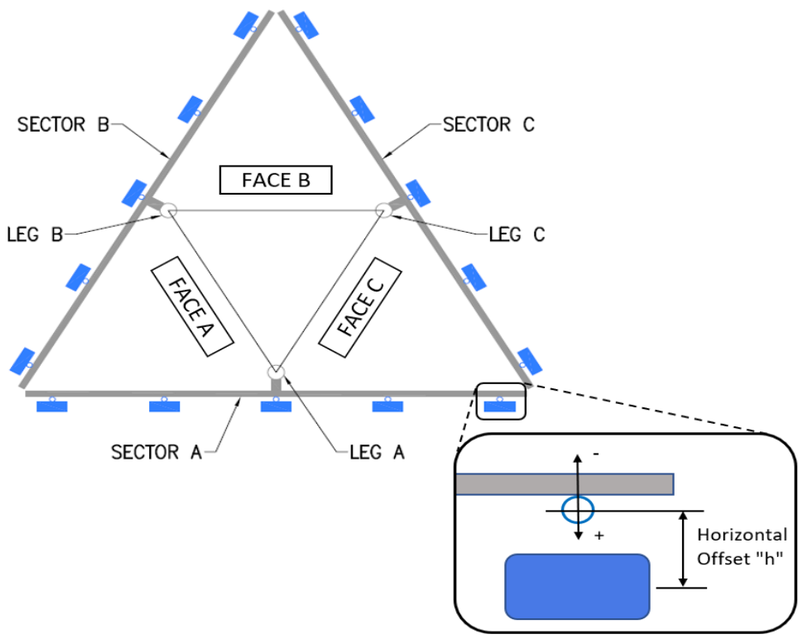
V4.0 Updated on 3-31-2021

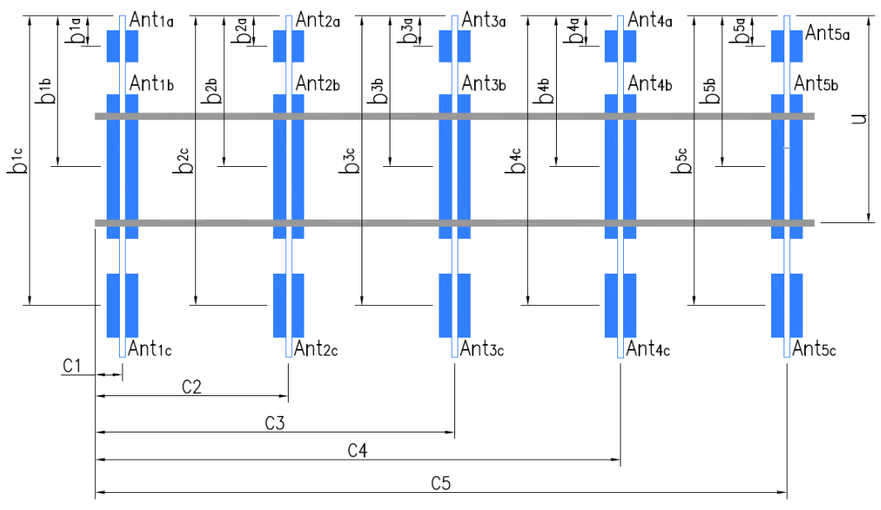
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1286220

Tower Owner:	American Tower	**Mapping Date:**	5/4/2021
Site Name:	RKHL- Rocky hill	**Tower Type:**	Monopole
Site Number or ID:	16502069	**Tower Height (Ft.):**	107
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	88

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





Antenna Layout (Looking Out From Tower)

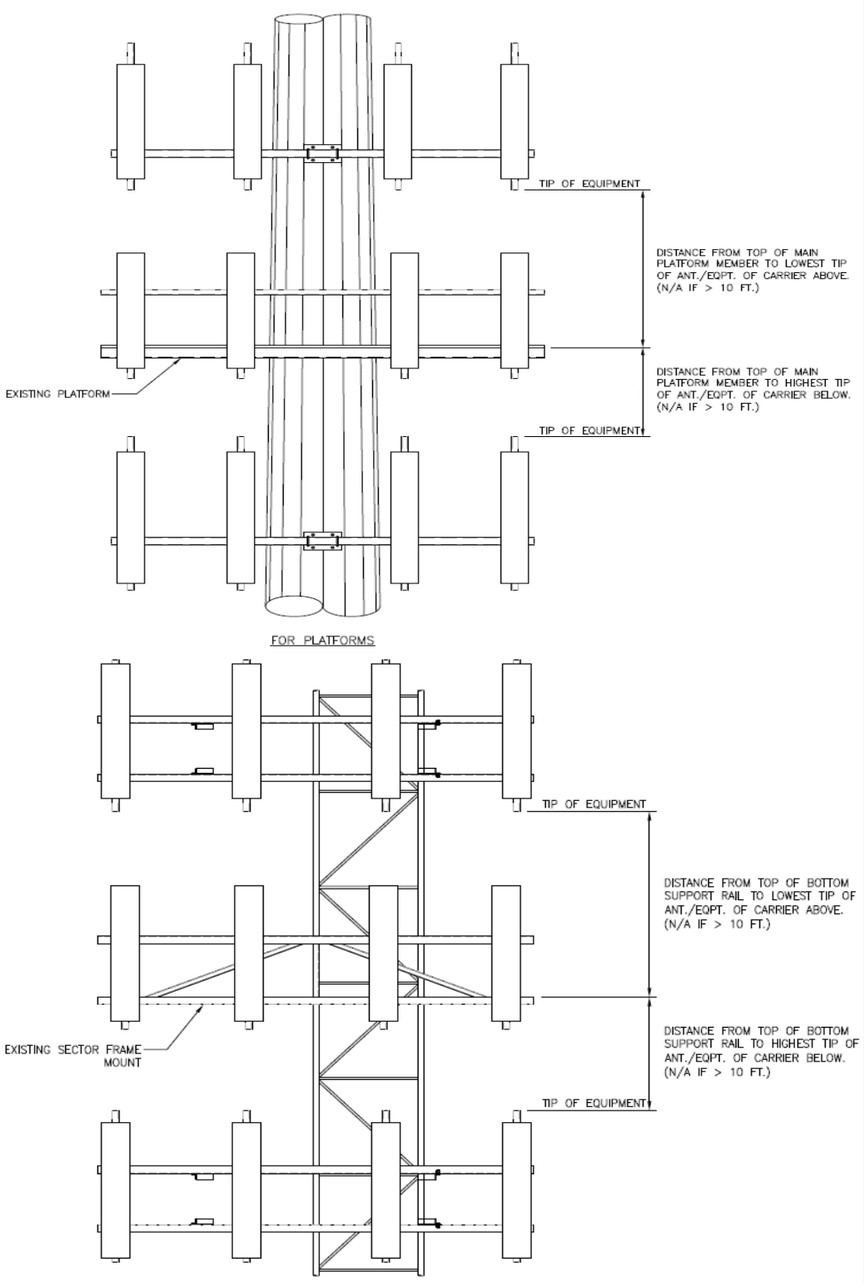
Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2-3/8x .16x 72	38.00	16.00	C1	2-3/8x .16x 72	38.50	16.00
A2	2-3/8x .16x 72	38.25	51.50	C2	2-3/8x .16x 72	38.25	51.50
A3	2-3/8x .16x 72	38.50	103.75	C3	2-3/8x .16x 72	39.00	102.75
A4	2-3/8x .16x 72	38.00	127.75	C4	2-3/8x .16x 72	38.25	126.75
A5				C5			
A6				C6			
B1	2-3/8x .16x 72	38.00	17.00	D1			
B2	2-3/8x .16x 72	38.00	52.50	D2			
B3	2-3/8x .16x 72	38.00	94.25	D3			
B4	2-3/8x .16x 72	38.25	127.25	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							44
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							59
Please enter additional infomation or comments below.							
Column R31 keeps changing my fractions and decimals for weld size into dates it was 3/8 inch							
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):					14.8
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.							8-Mar

	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}	sbnhh-1d65b	12.00	7.50	73.00	jumper	88.2083	35.50	9.25	56.00	21,126
Ant_{1c}	b4 rrh2x60-4r	10.50	5.75	37.00	brid jump	90.4583	8.50	-3.75		21,134
Ant_{2a}										
Ant_{2b}	bxa-70063-6cf-edin	11.00	5.00	71.00	(2)1-5/8tx	88.5208	32.00	9.50	56.00	22,147
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	sbnhh-1d65b	12.00	7.50	73.00	jumper	88.4583	33.00	9.25	56.00	23,159
Ant_{3c}	b13 rrh4x30	12.00	8.00	20.50	brid jump	90.2708	11.25	-7.50		23,163
Ant_{4a}										
Ant_{4b}	LNX-6514DS-A1M	12.00	7.25	72.75	(2)1-5/8tx	88.5521	31.38	7.88	51.00	169
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	56.00	Deg	Leg A:		Deg
Sector B:	176.00	Deg	Leg B:		Deg
Sector C:	296.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	260.00 Deg	N/A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.

Please insert a photo of the mount centerline measurement here.



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

Sector B										
Ant_{1a}										
Ant_{1b}	sbnhh-1d65b	12.00	7.50	73.00	jumper	88.2083	35.50	9.00	156.00	25,200
Ant_{1c}	b4 rrh2x60-4r	10.50	5.75	37.00	brid jumpe	90.3333	10.00	-7.38		25,204
Ant_{2a}										
Ant_{2b}	bxa-70063-6cf-edin	11.00	5.00	71.00	(2)1-5/8tx	88.5	32.00	9.00	156.00	25,213
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	sbnhh-1d65b	12.00	7.50	73.00	jumper	88.3333	34.00	9.50	156.00	26,222
Ant_{3c}	b13 rrh4x30	12.00	8.00	20.50	brid jumpe	90.6042	6.75	-7.00		26,226
Ant_{4a}										
Ant_{4b}	LNX-6514DS-A1M	12.00	7.25	72.75	(2)1-5/8tx	88.1563	36.38	7.63	156.00	26,229
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	rc3dc-3315-pf-48	14.00	9.50	19.00	-5/8 hybrid		-7.50	7.00		182,183
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	sbnhh-1d65b	12.00	7.50	73.00	jumper	88.1667	36.50	9.25	296.00	29,255
Ant_{1c}	b4 rrh2x60-4r	10.50	5.75	37.00	brid jumpe	90.4167	9.50	-6.88		29,259
Ant_{2a}										
Ant_{2b}	swcp 2x5514	14.00	11.00	52.00	(2)1-5/8tx	88.4375	33.00	11.50	286.00	267,268
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	sbnhh-1d65b	12.00	7.50	73.00	jumper	88.3333	35.00	9.50	296.00	30,281
Ant_{3c}	b13 rrh4x30	12.00	8.00	20.50	brid jumpe	90.3125	11.25	-6.38		30,285
Ant_{4a}										
Ant_{4b}	LNX-6514DS-A1M	12.00	7.25	72.75	(2)1-5/8tx	88.3646	33.88	7.13	296.00	30,292
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	rc3dc-3315-pf-48	14.00	9.50	19.00	-5/8 hybrid		-7.50	7.00		241,242
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	Missing a large amount of step pegs and extremely loose step pegs in a lot of spots.	2-8&303-305
2	Safety climb was tagged out unsafe by the general manager.	306&307
3		
4		
5		
6		
7		
8		

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

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

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

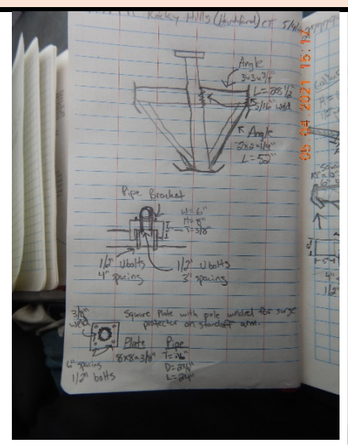
V4.0 Updated on 3-31-2021

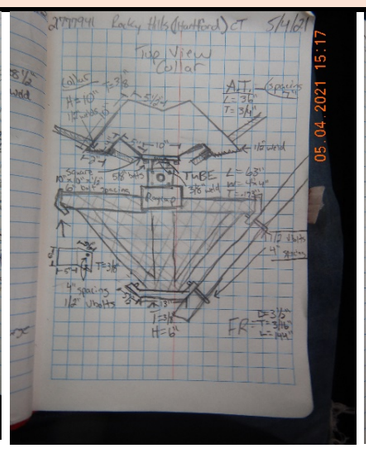
Antenna Mount Mapping Form (PATENT PENDING)

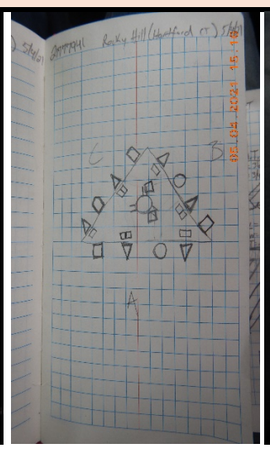
FCC #
1286220

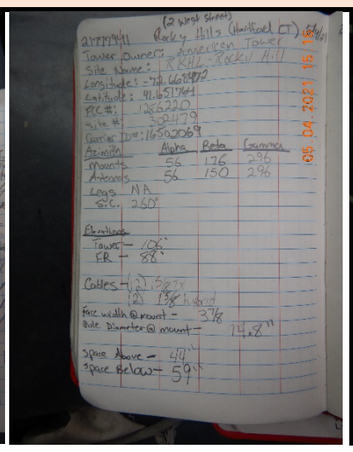
Tower Owner:	American Tower	**Mapping Date:**	5/4/2021
Site Name:	RKHL- Rocky hill	**Tower Type:**	Monopole
Site Number or ID:	16502069	**Tower Height (Ft.):**	107
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	88

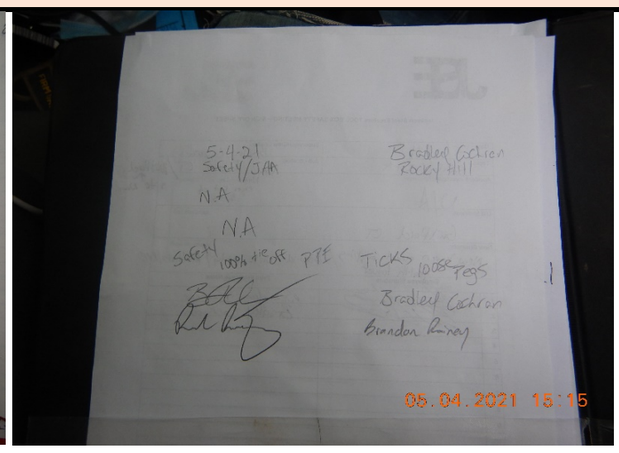
Please Insert Sketches of the Antenna Mount

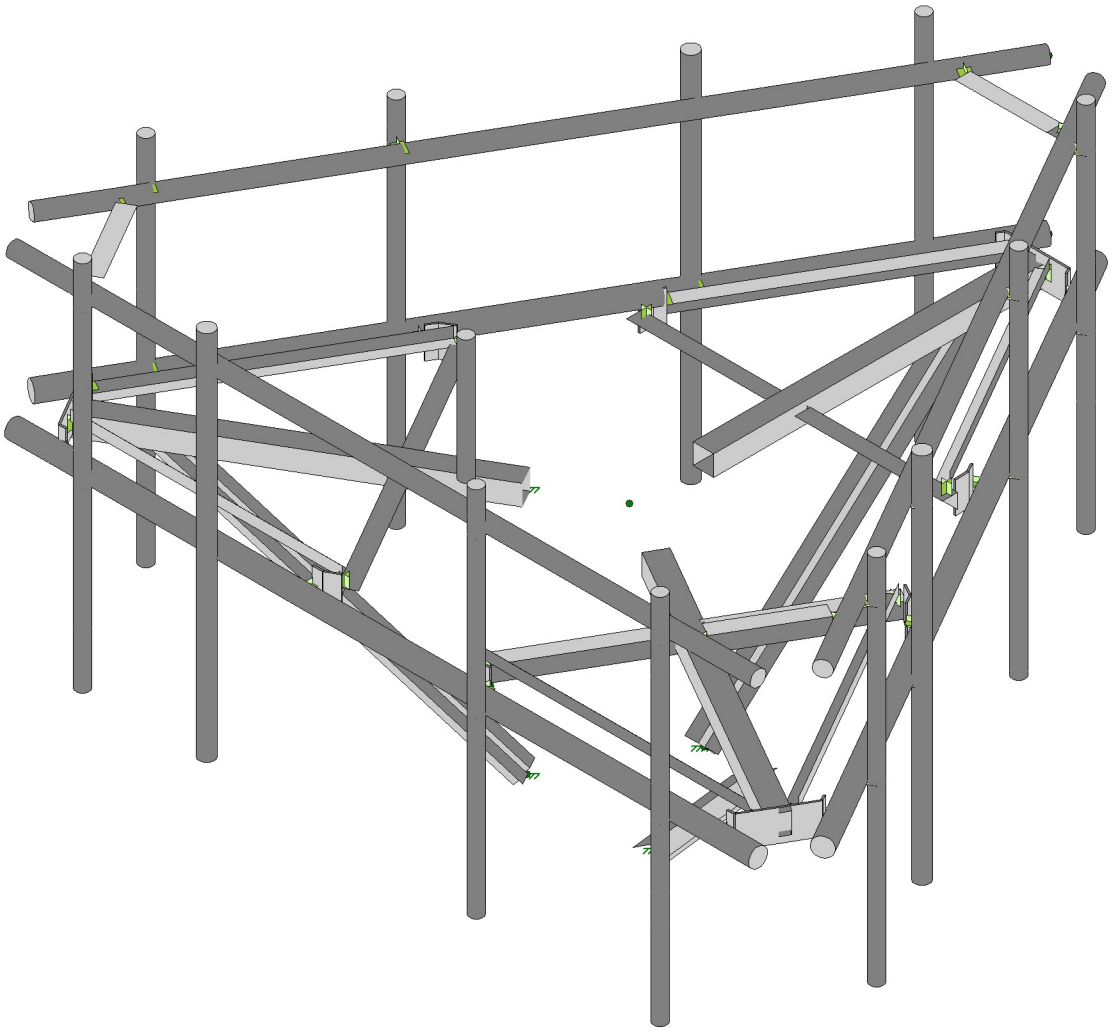






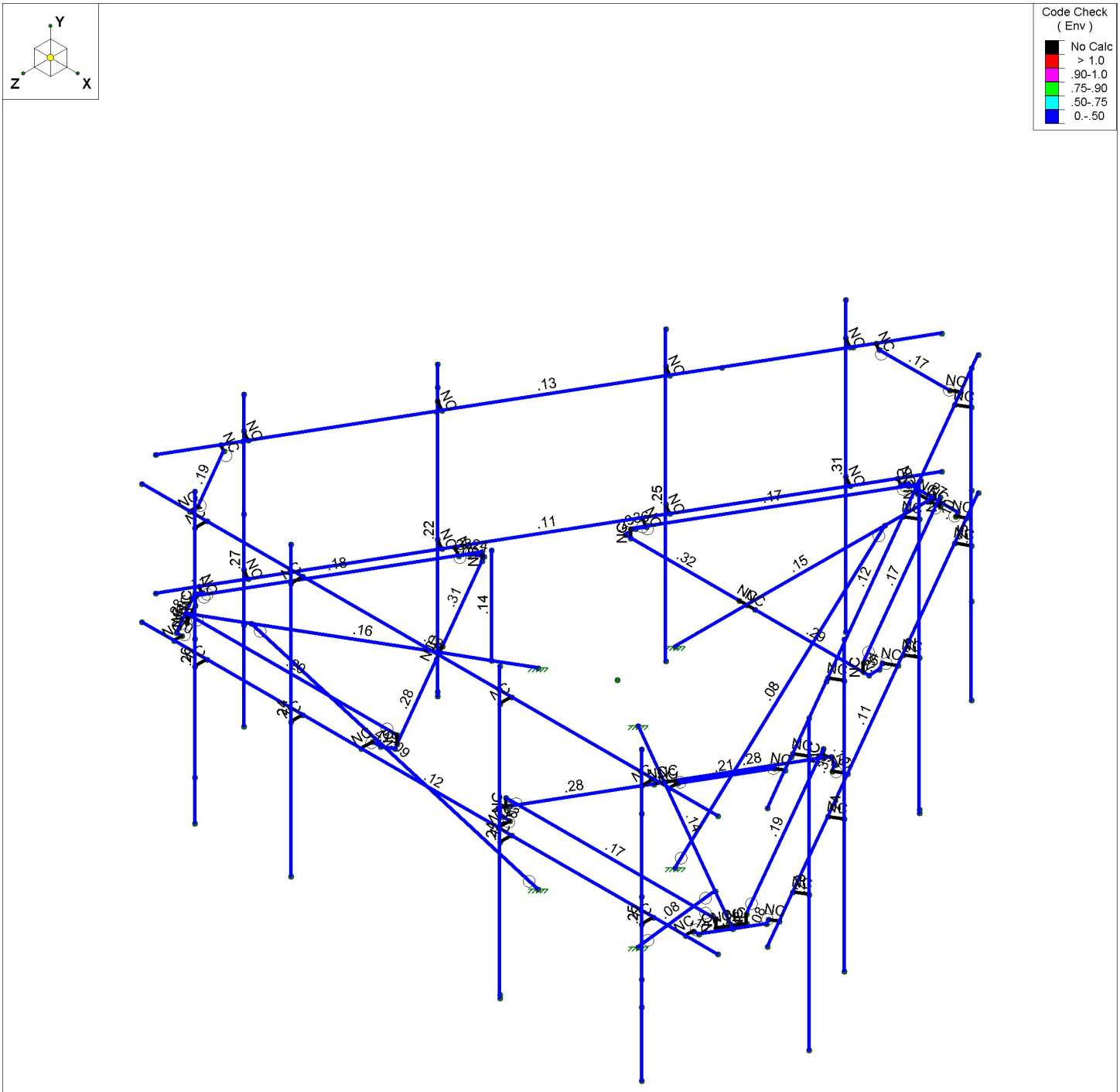






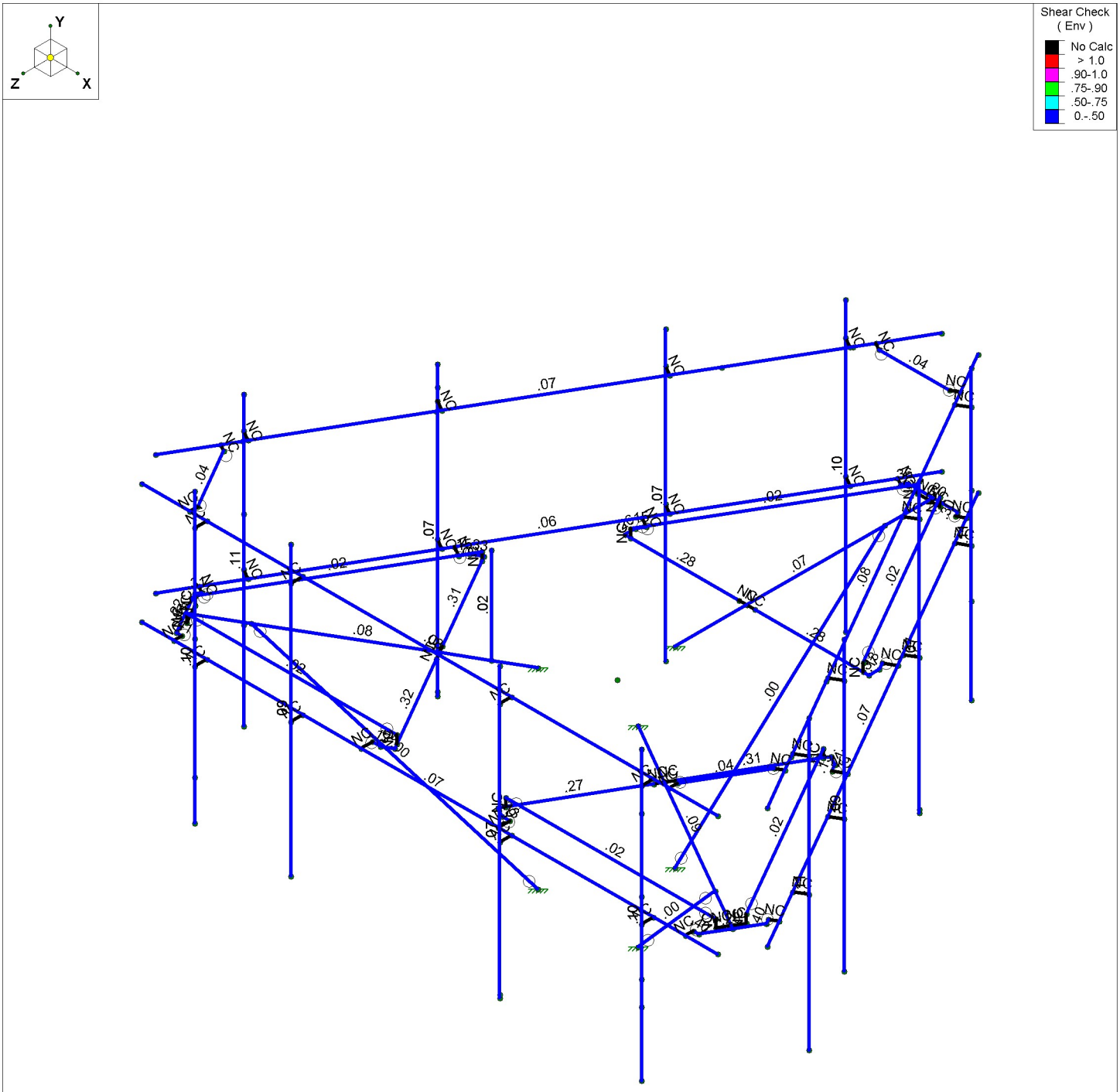
Envelope Only Solution

Maser Consulting	535833-VZW_MT_LO_H	SK - 1
SEA		July 6, 2021 at 1:56 PM
		535833-VZW_MT_LO_H MOD.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	535833-VZW_MT_LO_H	SK - 2
SEA		July 6, 2021 at 1:56 PM
		535833-VZW_MT_LO_H MOD.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	535833-VZW_MT_LO_H	SK - 3
SEA		July 6, 2021 at 1:56 PM
		535833-VZW_MT_LO_H MOD.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					102			
2	Antenna Di	None					102			
3	Antenna Wo (0 Deg)	None					102			
4	Antenna Wo (30 Deg)	None					102			
5	Antenna Wo (60 Deg)	None					102			
6	Antenna Wo (90 Deg)	None					102			
7	Antenna Wo (120 Deg)	None					102			
8	Antenna Wo (150 Deg)	None					102			
9	Antenna Wo (180 Deg)	None					102			
10	Antenna Wo (210 Deg)	None					102			
11	Antenna Wo (240 Deg)	None					102			
12	Antenna Wo (270 Deg)	None					102			
13	Antenna Wo (300 Deg)	None					102			
14	Antenna Wo (330 Deg)	None					102			
15	Antenna Wi (0 Deg)	None					102			
16	Antenna Wi (30 Deg)	None					102			
17	Antenna Wi (60 Deg)	None					102			
18	Antenna Wi (90 Deg)	None					102			
19	Antenna Wi (120 Deg)	None					102			
20	Antenna Wi (150 Deg)	None					102			
21	Antenna Wi (180 Deg)	None					102			
22	Antenna Wi (210 Deg)	None					102			
23	Antenna Wi (240 Deg)	None					102			
24	Antenna Wi (270 Deg)	None					102			
25	Antenna Wi (300 Deg)	None					102			
26	Antenna Wi (330 Deg)	None					102			
27	Antenna Wm (0 Deg)	None					102			
28	Antenna Wm (30 Deg)	None					102			
29	Antenna Wm (60 Deg)	None					102			
30	Antenna Wm (90 Deg)	None					102			
31	Antenna Wm (120 Deg)	None					102			
32	Antenna Wm (150 Deg)	None					102			
33	Antenna Wm (180 Deg)	None					102			
34	Antenna Wm (210 Deg)	None					102			
35	Antenna Wm (240 Deg)	None					102			
36	Antenna Wm (270 Deg)	None					102			
37	Antenna Wm (300 Deg)	None					102			
38	Antenna Wm (330 Deg)	None					102			
39	Structure D	None		-1					3	
40	Structure Di	None						61	3	
41	Structure Wo (0 Deg)	None						122		
42	Structure Wo (30 Deg)	None						122		
43	Structure Wo (60 Deg)	None						122		
44	Structure Wo (90 Deg)	None						122		
45	Structure Wo (120 D...	None						122		
46	Structure Wo (150 D...	None						122		
47	Structure Wo (180 D...	None						122		
48	Structure Wo (210 D...	None						122		
49	Structure Wo (240 D...	None						122		
50	Structure Wo (270 D...	None						122		
51	Structure Wo (300 D...	None						122		
52	Structure Wo (330 D...	None						122		
53	Structure Wi (0 Deg)	None						122		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
54	Structure Wi (30 Deg)	None						122		
55	Structure Wi (60 Deg)	None						122		
56	Structure Wi (90 Deg)	None						122		
57	Structure Wi (120 De...	None						122		
58	Structure Wi (150 De...	None						122		
59	Structure Wi (180 De...	None						122		
60	Structure Wi (210 De...	None						122		
61	Structure Wi (240 De...	None						122		
62	Structure Wi (270 De...	None						122		
63	Structure Wi (300 De...	None						122		
64	Structure Wi (330 De...	None						122		
65	Structure Wm (0 Deg)	None						122		
66	Structure Wm (30 De...	None						122		
67	Structure Wm (60 De...	None						122		
68	Structure Wm (90 De...	None						122		
69	Structure Wm (120 D...	None						122		
70	Structure Wm (150 D...	None						122		
71	Structure Wm (180 D...	None						122		
72	Structure Wm (210 D...	None						122		
73	Structure Wm (240 D...	None						122		
74	Structure Wm (270 D...	None						122		
75	Structure Wm (300 D...	None						122		
76	Structure Wm (330 D...	None						122		
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	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 ...	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60...	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90...	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (12...	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (15...	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (18...	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (21...	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (24...	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (27...	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (33...	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6	0	3.904273	0	
2	N2	-6	0	3.904273	0	
3	N3	0	0	-1.208333	0	
4	N5	-2.541667	0	-2.708333	0	
5	N8	4.666667	0	3.904273	0	
6	N9	4.666667	0	4.154273	0	
7	N10	-4.645833	0	3.904273	0	
8	N11	-4.645833	0	4.154273	0	
9	N12	1.708333	0	3.904273	0	
10	N13	1.708333	0	4.154273	0	
11	N14	-2.645833	0	3.904273	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
12	N15	-2.645833	0	4.154273	0	
13	N16	-2.645833	-2.791667	4.154273	0	
14	N17	-2.645833	3.208333	4.154273	0	
15	N18	-4.645833	-2.833333	4.154273	0	
16	N19	-4.645833	3.166667	4.154273	0	
17	N20	1.708333	-2.8125	4.154273	0	
18	N21	1.708333	3.1875	4.154273	0	
19	N22	4.666667	-2.833333	4.154273	0	
20	N23	4.666667	3.166667	4.154273	0	
21	N24	0	0	-2.708333	0	
22	N27	0	0	-6.583333	0	
23	CP	0	0	0	0	
24	N101	2.541667	0	-2.708333	0	
25	N102	-0.166667	0	-2.708333	0	
26	N103A	0.166667	0	-2.708333	0	
27	N104A	-2.541667	0	-2.927083	0	
28	N105	2.541667	0	-2.927083	0	
29	N131	2.458333	0	-3.071421	0	
30	N135	0.571615	0	-6.486357	0	
31	N144	-2.458333	0	-3.071421	0	
32	N148	-0.571615	0	-6.486357	0	
33	N86A	2.665819	0	-3.191213	0	
34	N86B	-2.665819	0	-3.191213	0	
35	N86C	-0.515625	0	-6.583333	0	
36	N87A	0.515625	0	-6.583333	0	
37	N86D	0.715429	0	-6.569388	0	
38	N86E	-0.715429	0	-6.569388	0	
39	N88A	0	0	-6.5	0	
40	N87C	0.234238	0.166667	-6.5	0	
41	N86G	0.234238	0	-6.5	0	
42	N87B	-0.234238	0.166667	-6.5	0	
43	N88C	-0.234238	0	-6.5	0	
44	N140B	4.666667	.5	4.154273	0	
45	N141A	4.666667	-1	4.154273	0	
46	N142A	1.708333	2.75	4.154273	0	
47	N143	1.708333	-2.75	4.154273	0	
48	N52	-1.046447	0	0.604167	0	
49	N53	-1.074652	0	3.555315	0	
50	N55	-1.133807	0.166667	3.452856	0	
51	N56	-2.345485	0	1.354167	0	
52	N57	-5.701334	0	3.291667	0	
53	N60	-3.616319	0	-0.846981	0	
54	N61	-2.262152	0	1.498504	0	
55	N62	-2.428819	0	1.209829	0	
56	N63	-1.264095	0	3.66469	0	
57	N64	-3.805762	0	-0.737606	0	
58	N65	-3.889095	0	-0.593269	0	
59	N66	-5.903157	0	2.748146	0	
60	N67	-1.430762	0	3.66469	0	
61	N68	-5.331542	0	3.738211	0	
62	N69	-4.096581	0	-0.71306	0	
63	N70	-1.430762	0	3.904273	0	
64	N71	-5.443521	0	3.738211	0	
65	N72	-5.959146	0	2.845122	0	
66	N73	-6.046971	0	2.665114	0	
67	N74	-5.331542	0	3.904273	0	
68	N75	-5.629165	0	3.25	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
69	N76	-5.746284	0.166667	3.047144	0	
70	N77	-5.746284	0	3.047144	0	
71	N78	-5.512046	0.166667	3.452856	0	
72	N79	-5.512046	0	3.452856	0	
73	N80	0.3812	0	-7.148289	0	
74	N81	6.3812	0	3.244016	0	
75	N82	1.047866	0	-5.993589	0	
76	N83	1.264373	0	-6.118589	0	
77	N84	5.66245	0	1.999104	0	
78	N85	5.878956	0	1.874104	0	
79	N87	2.527033	0	-3.431597	0	
80	N88	4.66245	0	0.267053	0	
81	N89	4.878956	0	0.142053	0	
82	N90	4.878956	-2.75	0.142053	0	
83	N91	4.878956	3.25	0.142053	0	
84	N92	5.878956	-2.8125	1.874104	0	
85	N93	5.878956	3.1875	1.874104	0	
86	N94	2.74354	-2.8125	-3.556597	0	
87	N95	2.74354	3.1875	-3.556597	0	
88	N96	1.264373	-2.791667	-6.118589	0	
89	N97	1.264373	3.208333	-6.118589	0	
90	N98	1.264373	1	-6.118589	0	
91	N99	1.264373	-1	-6.118589	0	
92	N100	2.74354	0	-3.556597	0	
93	N101A	2.74354	-2.75	-3.556597	0	
94	N102A	1.046447	0	0.604167	0	
95	N103	1.074652	0	3.555315	0	
96	N106	2.345485	0	1.354167	0	
97	N107	5.701334	0	3.291667	0	
98	N110	3.616319	0	-0.846981	0	
99	N111	2.262152	0	1.498504	0	
100	N112	2.428819	0	1.209829	0	
101	N113	1.264095	0	3.66469	0	
102	N114	3.805762	0	-0.737606	0	
103	N115	3.889095	0	-0.593269	0	
104	N116	5.903157	0	2.748146	0	
105	N117	1.430762	0	3.66469	0	
106	N118	5.331542	0	3.738211	0	
107	N119	4.096581	0	-0.71306	0	
108	N120	1.430762	0	3.904273	0	
109	N121	5.443521	0	3.738211	0	
110	N122	5.959146	0	2.845122	0	
111	N123	6.046971	0	2.665114	0	
112	N124	5.331542	0	3.904273	0	
113	N125	5.629165	0	3.25	0	
114	N126	5.746284	0.166667	3.047144	0	
115	N127	5.746284	0	3.047144	0	
116	N128	5.512046	0.166667	3.452856	0	
117	N129	5.512046	0	3.452856	0	
118	N130	-6.3812	0	3.244016	0	
119	N131A	-0.3812	0	-7.148289	0	
120	N132	-5.672866	0	2.017146	0	
121	N133	-5.889373	0	1.892146	0	
122	N134	-1.079116	0	-5.939462	0	
123	N135A	-1.295623	0	-6.064462	0	
124	N136	-4.1937	0	-0.544845	0	
125	N137	-4.410206	0	-0.669845	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
126	N138	-2.454116	0	-3.557892	0	
127	N139	-2.670623	0	-3.682892	0	
128	N140	-2.670623	-2.833333	-3.682892	0	
129	N141	-2.670623	3.166667	-3.682892	0	
130	N142	-1.295623	-2.8125	-6.064462	0	
131	N143A	-1.295623	3.1875	-6.064462	0	
132	N144A	-4.410206	-2.833333	-0.669845	0	
133	N145	-4.410206	3.166667	-0.669845	0	
134	N146	-5.889373	-2.833333	1.892146	0	
135	N147	-5.889373	3.166667	1.892146	0	
136	N148A	-5.889373	1	1.892146	0	
137	N149	-5.889373	-1	1.892146	0	
138	N150	-4.410206	2.75	-0.669845	0	
139	N151	-4.410206	-2.75	-0.669845	0	
140	N152	-1.659882	0	0.958333	0	
141	N153	-1.659882	2	0.958333	0	
142	N154	-4.645833	.5	4.154273	0	
143	N155	-4.645833	2.5	4.154273	0	
144	N156	-4.645833	-2	4.154273	0	
145	N157	4.666667	2	4.154273	0	
146	N158	4.666667	-1.5	4.154273	0	
147	N159	4.666667	2.5	4.154273	0	
148	N159A	-1.133807	0	3.452856	0	
149	N149A	1.133807	0.166667	3.452856	0	
150	N150A	3.557164	0.166667	-0.744522	0	
151	N153A	2.423357	0.166667	-2.708333	0	
152	N158A	-2.423357	0.166667	-2.708333	0	
153	N159B	-3.557164	0.166667	-0.744522	0	
154	N155A	1.133807	0	3.452856	0	
155	N156A	3.557164	0	-0.744522	0	
156	N158B	2.423357	0	-2.708333	0	
157	N163	-2.423357	0	-2.708333	0	
158	N164	-3.557164	0	-0.744522	0	
159	N159C	0	0	-5.583333	0	
160	N160	0	-4	-1.208333	0	
161	N163A	-4.835309	0	2.791667	0	
162	N164A	-1.046447	-4	0.604167	0	
163	N167	4.835309	0	2.791667	0	
164	N168	1.046447	-4	0.604167	0	
165	N165	6	2.5	3.904273	0	
166	N166	-6	2.5	3.904273	0	
167	N167A	4.666667	2.5	3.904273	0	
168	N169	-4.645833	2.5	3.904273	0	
169	N171	1.708333	2.5	3.904273	0	
170	N172	1.708333	2.5	4.154273	0	
171	N173	-2.645833	2.5	3.904273	0	
172	N174	-2.645833	2.5	4.154273	0	
173	N173A	-5	2.5	3.904273	0	
174	N174A	5	2.5	3.904273	0	
175	N178	0.3812	2.5	-7.148289	0	
176	N179	6.3812	2.5	3.244016	0	
177	N180	1.047866	2.5	-5.993589	0	
178	N181	5.704116	2.5	2.071273	0	
179	N182	2.527033	2.5	-3.431597	0	
180	N184	4.704116	2.5	0.339222	0	
181	N189	-6.3812	2.5	3.244016	0	
182	N190	-0.3812	2.5	-7.148289	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
183	N191	-5.714533	2.5	2.089315	0	
184	N192	-1.058283	2.5	-5.975546	0	
185	N193	-4.235366	2.5	-0.472677	0	
186	N195	-2.058283	2.5	-4.243496	0	
187	N195A	-5	2.5	3.737607	0	
188	N196A	5	2.5	3.737607	0	
189	N198	5.8812	2.5	2.37799	0	
190	N199	0.8812	2.5	-6.282264	0	
191	N200	5.736862	2.5	2.461324	0	
192	N201	0.736862	2.5	-6.19893	0	
193	N203	-0.8812	2.5	-6.282264	0	
194	N204	-5.8812	2.5	2.37799	0	
195	N205	-0.736862	2.5	-6.19893	0	
196	N206	-5.736862	2.5	2.461324	0	
197	N198A	1.264373	2.5	-6.118589	0	
198	N199A	5.66245	2.5	1.999104	0	
199	N200A	5.878956	2.5	1.874104	0	
200	N202	4.66245	2.5	0.267053	0	
201	N203A	4.878956	2.5	0.142053	0	
202	N204A	2.74354	2.5	-3.556597	0	
203	N205A	-5.672866	2.5	2.017146	0	
204	N206A	-5.889373	2.5	1.892146	0	
205	N207	-1.079116	2.5	-5.939462	0	
206	N208	-1.295623	2.5	-6.064462	0	
207	N209	-4.1937	2.5	-0.544845	0	
208	N210	-4.410206	2.5	-0.669845	0	
209	N211	-2.454116	2.5	-3.557892	0	
210	N212	-2.670623	2.5	-3.682892	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	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	HSS4X4X3	Beam	SquareT...	A500 Gr.B Rect	Typical	2.58	6.21	6.21	10
3	Corner Plate	PL3/8x6	Beam	BAR	A36 Gr.36	Typical	2.25	.026	6.75	.101
4	Platform Crossme...	L3X3X6	Beam	Single A...	A36 Gr.36	Typical	2.11	1.75	1.75	.101
5	Grating Support	L2x2x4	Beam	Single A...	A36 Gr.36	Typical	.944	.346	.346	.021
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	MOD KICKERS	LL3x3x3x3	Column	Double ...	A36 Gr.36	Typical	2.18	4.09	1.9	.027
9	MOD SR CONNEC...	L3X3X4	Column	Single A...	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	MOD HORIZONTAL	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	DUAL MOUNT PIPE	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

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	M4	Standoff Ho...	5.375			Lbyy						Lateral
2	M34	Standoff Ho...	5.375			Lbyy						Lateral
3	M67	Standoff Ho...	5.375			Lbyy						Lateral
4	M10	Platform Cr...	2.375			Lbyy						Lateral
5	M43	Platform Cr...	2.375			Lbyy						Lateral
6	M35	Platform Cr...	2.375			Lbyy						Lateral
7	M36	Platform Cr...	2.375			Lbyy						Lateral
8	M68	Platform Cr...	2.375			Lbyy						Lateral
9	M69	Platform Cr...	2.375			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
10	MP3A	DUAL MOU...	6			Lbyy						Lateral
11	MP4A	Mount Pipe	6			Lbyy						Lateral
12	MP2A	Mount Pipe	6			Lbyy						Lateral
13	MP1A	Mount Pipe	6			Lbyy						Lateral
14	MP3C	DUAL MOU...	6			Lbyy						Lateral
15	MP4C	Mount Pipe	6			Lbyy						Lateral
16	MP2C	Mount Pipe	6			Lbyy						Lateral
17	MP1C	Mount Pipe	6			Lbyy						Lateral
18	MP3B	DUAL MOU...	6			Lbyy						Lateral
19	MP4B	Mount Pipe	6			Lbyy						Lateral
20	MP2B	Mount Pipe	6			Lbyy						Lateral
21	MP1B	Mount Pipe	6			Lbyy						Lateral
22	M100	Mount Pipe	2									Lateral
23	M41	Grating Sup...	4.378			Lbyy						Lateral
24	M1	Face Horizo...	12			Lbyy						Lateral
25	M58A	Face Horizo...	12			Lbyy						Lateral
26	M91A	Face Horizo...	12			Lbyy						Lateral
27	M76	Cross Arm ...	.219									Lateral
28	M77	Cross Arm ...	.167									Lateral
29	M84	Cross Arm ...	.219									Lateral
30	M85	Cross Arm ...	.167									Lateral
31	M45	Cross Arm ...	.219									Lateral
32	M46A	Cross Arm ...	.167									Lateral
33	M50A	Cross Arm ...	.219									Lateral
34	M51C	Cross Arm ...	.167									Lateral
35	M78	Cross Arm ...	.219									Lateral
36	M79A	Cross Arm ...	.167									Lateral
37	M83A	Cross Arm ...	.219									Lateral
38	M84A	Cross Arm ...	.167									Lateral
39	M46	Corner Plate	1.031			Lbyy						Lateral
40	M80	Corner Plate	.112			Lbyy						Lateral
41	M91	Corner Plate	.112			Lbyy						Lateral
42	M37	Corner Plate	1.031			Lbyy						Lateral
43	M48	Corner Plate	.112			Lbyy						Lateral
44	M53	Corner Plate	.112			Lbyy						Lateral
45	M70	Corner Plate	1.031			Lbyy						Lateral
46	M81	Corner Plate	.112			Lbyy						Lateral
47	M86	Corner Plate	.112			Lbyy						Lateral
48	M91B	Grating Sup...	4.378			Lbyy						Lateral
49	M92B	Grating Sup...	4.378			Lbyy						Lateral
50	M93A	Grating Sup...	4.378			Lbyy						Lateral
51	M96	Grating Sup...	4.378			Lbyy						Lateral
52	M97	Grating Sup...	4.378			Lbyy						Lateral
53	M101	MOD KICK...	5.928									Lateral
54	M102	MOD KICK...	5.928									Lateral
55	M103A	MOD KICK...	5.928									Lateral
56	M108	MOD HORI...	12			Lbyy						Lateral
57	M113	MOD HORI...	12			Lbyy						Lateral
58	M118	MOD HORI...	12			Lbyy						Lateral
59	M125	MOD SR C...	1.474									Lateral
60	M126	MOD SR C...	1.474									Lateral
61	M127	MOD SR C...	1.474									Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M34	N52	N57			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M67	N102A	N107			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M21	N12	N13			RIGID	None	None	RIGID	Typical
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
9	M58	N102	N24			RIGID	None	None	RIGID	Typical
10	M59	N24	N103A			RIGID	None	None	RIGID	Typical
11	M79	N131	N86A			RIGID	None	None	RIGID	Typical
12	M83	N135	N86D			RIGID	None	None	RIGID	Typical
13	M88	N144	N86B			RIGID	None	None	RIGID	Typical
14	M92	N148	N86E			RIGID	None	None	RIGID	Typical
15	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
16	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
17	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
18	M38	N55	N159A			RIGID	None	None	RIGID	Typical
19	M42	N78	N79			RIGID	None	None	RIGID	Typical
20	M43A	N61	N56			RIGID	None	None	RIGID	Typical
21	M44	N56	N62			RIGID	None	None	RIGID	Typical
22	M47	N65	N69			RIGID	None	None	RIGID	Typical
23	M49	N66	N73			RIGID	None	None	RIGID	Typical
24	M52A	N67	N70			RIGID	None	None	RIGID	Typical
25	M54	N68	N74			RIGID	None	None	RIGID	Typical
26	M55	N79	N75			RIGID	None	None	RIGID	Typical
27	M56	N75	N77			RIGID	None	None	RIGID	Typical
28	M57	N76	N77			RIGID	None	None	RIGID	Typical
29	M59A	N82	N83			RIGID	None	None	RIGID	Typical
30	M60	N84	N85			RIGID	None	None	RIGID	Typical
31	M62	N88	N89			RIGID	None	None	RIGID	Typical
32	M75	N128	N129			RIGID	None	None	RIGID	Typical
33	M76A	N111	N106			RIGID	None	None	RIGID	Typical
34	M77A	N106	N112			RIGID	None	None	RIGID	Typical
35	M80A	N115	N119			RIGID	None	None	RIGID	Typical
36	M82	N116	N123			RIGID	None	None	RIGID	Typical
37	M85A	N117	N120			RIGID	None	None	RIGID	Typical
38	M87	N118	N124			RIGID	None	None	RIGID	Typical
39	M88A	N129	N125			RIGID	None	None	RIGID	Typical
40	M89	N125	N127			RIGID	None	None	RIGID	Typical
41	M90	N126	N127			RIGID	None	None	RIGID	Typical
42	M92A	N132	N133			RIGID	None	None	RIGID	Typical
43	M93	N134	N135A			RIGID	None	None	RIGID	Typical
44	M94	N136	N137			RIGID	None	None	RIGID	Typical
45	M95	N138	N139			RIGID	None	None	RIGID	Typical
46	M10	N101	N103A		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
47	M43	N102	N5		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
48	M35	N60	N62		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
49	M36	N61	N53		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
50	M68	N110	N112		90	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
51	M69	N111	N103		90	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
52	MP3A	N17	N16			DUAL MOUNT...	Beam	Pipe	A53 Gr.B	Typical
53	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
54	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
55	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
56	MP3C	N91	N90			DUAL MOUNT...	Beam	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
57	MP4C	N93	N92			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
58	MP2C	N95	N94			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
59	MP1C	N97	N96			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
60	MP3B	N141	N140			DUAL MOUNT...	Beam	Pipe	A53 Gr.B	Typical
61	MP4B	N143A	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
62	MP2B	N145	N144A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
63	MP1B	N147	N146			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
64	M100	N153	N152			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
65	M41	N55	N78			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
66	M1	N2	N1			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
67	M58A	N80	N81			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
68	M91A	N130	N131A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
69	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
71	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
72	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
73	M45	N60	N64			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
74	M46A	N64	N65			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
75	M50A	N53	N63			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
76	M51C	N63	N67			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
77	M78	N110	N114			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
78	M79A	N114	N115			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
79	M83A	N103	N113			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
80	M84A	N113	N117			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
81	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
82	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
83	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
84	M37	N71	N72			Corner Plate	Beam	BAR	A36 Gr.36	Typical
85	M48	N72	N66			Corner Plate	Beam	BAR	A36 Gr.36	Typical
86	M53	N71	N68			Corner Plate	Beam	BAR	A36 Gr.36	Typical
87	M70	N121	N122			Corner Plate	Beam	BAR	A36 Gr.36	Typical
88	M81	N122	N116			Corner Plate	Beam	BAR	A36 Gr.36	Typical
89	M86	N121	N118			Corner Plate	Beam	BAR	A36 Gr.36	Typical
90	M91B	N149A	N128		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
91	M92B	N150A	N126			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
92	M93A	N153A	N87C		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
93	M96	N158A	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
94	M97	N159B	N76		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
95	M98	N149A	N155A			RIGID	None	None	RIGID	Typical
96	M99	N150A	N156A			RIGID	None	None	RIGID	Typical
97	M100A	N153A	N158B			RIGID	None	None	RIGID	Typical
98	M103	N158A	N163			RIGID	None	None	RIGID	Typical
99	M104	N159B	N164			RIGID	None	None	RIGID	Typical
100	M100B	N87	N100			RIGID	None	None	RIGID	Typical
101	M101	N159C	N160			MOD KICKERS	Column	Double Angle (...	A36 Gr.36	Typical
102	M102	N163A	N164A			MOD KICKERS	Column	Double Angle (...	A36 Gr.36	Typical
103	M103A	N167	N168			MOD KICKERS	Column	Double Angle (...	A36 Gr.36	Typical
104	M104A	N167A	N159			RIGID	None	None	RIGID	Typical
105	M105	N169	N155			RIGID	None	None	RIGID	Typical
106	M106	N171	N172			RIGID	None	None	RIGID	Typical
107	M107	N173	N174			RIGID	None	None	RIGID	Typical
108	M108	N166	N165			MOD HORIZO...	Beam	Pipe	A53 Gr.B	Typical
109	M113	N179	N178			MOD HORIZO...	Beam	Pipe	A53 Gr.B	Typical
110	M118	N190	N189			MOD HORIZO...	Beam	Pipe	A53 Gr.B	Typical
111	M119	N173A	N195A			RIGID	None	None	RIGID	Typical
112	M120	N174A	N196A			RIGID	None	None	RIGID	Typical
113	M121	N198	N200			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
114	M122	N199	N201			RIGID	None	None	RIGID	Typical
115	M123	N203	N205			RIGID	None	None	RIGID	Typical
116	M124	N204	N206			RIGID	None	None	RIGID	Typical
117	M125	N195A	N206		90	MOD SR CON...	Column	Single Angle	A36 Gr.36	Typical
118	M126	N200	N196A		90	MOD SR CON...	Column	Single Angle	A36 Gr.36	Typical
119	M127	N205	N201		90	MOD SR CON...	Column	Single Angle	A36 Gr.36	Typical
120	M120A	N180	N198A			RIGID	None	None	RIGID	Typical
121	M121A	N199A	N200A			RIGID	None	None	RIGID	Typical
122	M122A	N202	N203A			RIGID	None	None	RIGID	Typical
123	M123A	N205A	N206A			RIGID	None	None	RIGID	Typical
124	M124A	N207	N208			RIGID	None	None	RIGID	Typical
125	M125A	N209	N210			RIGID	None	None	RIGID	Typical
126	M126A	N211	N212			RIGID	None	None	RIGID	Typical
127	M127A	N182	N204A			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M4						Yes				None
2	M34						Yes				None
3	M67						Yes				None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						Yes	** NA **			None
7	M22						Yes	** NA **			None
8	M52						Yes	** NA **			None
9	M58						Yes	** NA **			None
10	M59						Yes	** NA **			None
11	M79		BenPIN				Yes	** NA **			None
12	M83		BenPIN				Yes	** NA **			None
13	M88		BenPIN				Yes	** NA **			None
14	M92		BenPIN				Yes	** NA **			None
15	M50						Yes	** NA **			None
16	M51						Yes	** NA **			None
17	M51A						Yes	** NA **			None
18	M38						Yes	** NA **			None
19	M42						Yes	** NA **			None
20	M43A						Yes	** NA **			None
21	M44						Yes	** NA **			None
22	M47		BenPIN				Yes	** NA **			None
23	M49		BenPIN				Yes	** NA **			None
24	M52A		BenPIN				Yes	** NA **			None
25	M54		BenPIN				Yes	** NA **			None
26	M55						Yes	** NA **			None
27	M56						Yes	** NA **			None
28	M57						Yes	** NA **			None
29	M59A						Yes	** NA **			None
30	M60						Yes	** NA **			None
31	M62						Yes	** NA **			None
32	M75						Yes	** NA **			None
33	M76A						Yes	** NA **			None
34	M77A						Yes	** NA **			None
35	M80A		BenPIN				Yes	** NA **			None
36	M82		BenPIN				Yes	** NA **			None
37	M85A		BenPIN				Yes	** NA **			None
38	M87		BenPIN				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
39	M88A						Yes	** NA **			None
40	M89						Yes	** NA **			None
41	M90						Yes	** NA **			None
42	M92A						Yes	** NA **			None
43	M93						Yes	** NA **			None
44	M94						Yes	** NA **			None
45	M95						Yes	** NA **			None
46	M10						Yes	Default			None
47	M43						Yes	Default			None
48	M35						Yes	Default			None
49	M36						Yes	Default			None
50	M68						Yes	Default			None
51	M69						Yes	Default			None
52	MP3A						Yes	Default			None
53	MP4A						Yes	** NA **			None
54	MP2A						Yes	** NA **			None
55	MP1A						Yes	** NA **			None
56	MP3C						Yes				None
57	MP4C						Yes	** NA **			None
58	MP2C						Yes	** NA **			None
59	MP1C						Yes	** NA **			None
60	MP3B						Yes				None
61	MP4B						Yes	** NA **			None
62	MP2B						Yes	** NA **			None
63	MP1B						Yes	** NA **			None
64	M100						Yes	** NA **			None
65	M41	OOOOOX	OOOOOX				Yes	Default			None
66	M1						Yes	Default			None
67	M58A						Yes	Default			None
68	M91A						Yes	Default			None
69	M76						Yes	** NA **			None
70	M77						Yes	** NA **			None
71	M84						Yes	** NA **			None
72	M85						Yes	** NA **			None
73	M45						Yes	** NA **			None
74	M46A						Yes	** NA **			None
75	M50A						Yes	** NA **			None
76	M51C						Yes	** NA **			None
77	M78						Yes	** NA **			None
78	M79A						Yes	** NA **			None
79	M83A						Yes	** NA **			None
80	M84A						Yes	** NA **			None
81	M46						Yes	Default			None
82	M80						Yes				None
83	M91						Yes				None
84	M37						Yes	Default			None
85	M48						Yes				None
86	M53						Yes				None
87	M70						Yes	Default			None
88	M81						Yes				None
89	M86						Yes				None
90	M91B	OOOOOX	OOOOOX				Yes	Default			None
91	M92B	OOOOOX	OOOOOX				Yes	Default			None
92	M93A	OOOOOX	OOOOOX				Yes	Default			None
93	M96	OOOOOX	OOOOOX				Yes	Default			None
94	M97	OOOOOX	OOOOOX				Yes	Default			None
95	M98						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
96	M99						Yes	** NA **			None
97	M100A						Yes	** NA **			None
98	M103						Yes	** NA **			None
99	M104						Yes	** NA **			None
100	M100B						Yes	** NA **			None
101	M101	BenPIN	BenPIN				Yes	** NA **			None
102	M102	BenPIN	BenPIN				Yes	** NA **			None
103	M103A	BenPIN	BenPIN				Yes	** NA **			None
104	M104A						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108						Yes	Default			None
109	M113						Yes	Default			None
110	M118						Yes	Default			None
111	M119	OOOOOX					Yes	** NA **			None
112	M120	OOOOOX					Yes	** NA **			None
113	M121	OOOOOX					Yes	** NA **			None
114	M122	OOOOOX					Yes	** NA **			None
115	M123	OOOOOX					Yes	** NA **			None
116	M124	OOOOOX					Yes	** NA **			None
117	M125						Yes	** NA **			None
118	M126						Yes	** NA **			None
119	M127						Yes	** NA **			None
120	M120A						Yes	** NA **			None
121	M121A						Yes	** NA **			None
122	M122A						Yes	** NA **			None
123	M123A						Yes	** NA **			None
124	M124A						Yes	** NA **			None
125	M125A						Yes	** NA **			None
126	M126A						Yes	** NA **			None
127	M127A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-22.95	.17
2	MP4A	My	-.015	.17
3	MP4A	Mz	0	.17
4	MP4A	Y	-22.95	5.17
5	MP4A	My	-.015	5.17
6	MP4A	Mz	0	5.17
7	MP4B	Y	-22.95	.17
8	MP4B	My	0	.17
9	MP4B	Mz	-.015	.17
10	MP4B	Y	-22.95	5.17
11	MP4B	My	0	5.17
12	MP4B	Mz	-.015	5.17
13	MP4C	Y	-22.95	.17
14	MP4C	My	.008	.17
15	MP4C	Mz	.013	.17
16	MP4C	Y	-22.95	5.17
17	MP4C	My	.008	5.17
18	MP4C	Mz	.013	5.17
19	MP3A	Y	-20	.17
20	MP3A	My	-.013	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mz	.013	.17
22	MP3A	Y	-20	5.17
23	MP3A	My	-.013	5.17
24	MP3A	Mz	.013	5.17
25	MP3B	Y	-20	.17
26	MP3B	My	-.013	.17
27	MP3B	Mz	-.013	.17
28	MP3B	Y	-20	5.17
29	MP3B	My	-.013	5.17
30	MP3B	Mz	-.013	5.17
31	MP3C	Y	-20	.17
32	MP3C	My	.018	.17
33	MP3C	Mz	.005	.17
34	MP3C	Y	-20	5.17
35	MP3C	My	.018	5.17
36	MP3C	Mz	.005	5.17
37	MP3A	Y	-20	.17
38	MP3A	My	-.013	.17
39	MP3A	Mz	-.013	.17
40	MP3A	Y	-20	5.17
41	MP3A	My	-.013	5.17
42	MP3A	Mz	-.013	5.17
43	MP3B	Y	-20	.17
44	MP3B	My	.013	.17
45	MP3B	Mz	-.013	.17
46	MP3B	Y	-20	5.17
47	MP3B	My	.013	5.17
48	MP3B	Mz	-.013	5.17
49	MP3C	Y	-20	.17
50	MP3C	My	-.005	.17
51	MP3C	Mz	.018	.17
52	MP3C	Y	-20	5.17
53	MP3C	My	-.005	5.17
54	MP3C	Mz	.018	5.17
55	MP1A	Y	-4.4	4.67
56	MP1A	My	-.001	4.67
57	MP1A	Mz	0	4.67
58	MP1B	Y	-4.4	4.67
59	MP1B	My	0	4.67
60	MP1B	Mz	-.001	4.67
61	MP1C	Y	-4.4	4.67
62	MP1C	My	.000733	4.67
63	MP1C	Mz	.001	4.67
64	MP1A	Y	-43.55	.17
65	MP1A	My	-.018	.17
66	MP1A	Mz	0	.17
67	MP1A	Y	-43.55	2.17
68	MP1A	My	-.018	2.17
69	MP1A	Mz	0	2.17
70	MP1B	Y	-43.55	.17
71	MP1B	My	0	.17
72	MP1B	Mz	-.018	.17
73	MP1B	Y	-43.55	2.17
74	MP1B	My	0	2.17
75	MP1B	Mz	-.018	2.17
76	MP1C	Y	-43.55	.17
77	MP1C	My	.009	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1C	Mz	.016	.17
79	MP1C	Y	-43.55	2.17
80	MP1C	My	.009	2.17
81	MP1C	Mz	.016	2.17
82	MP2A	Y	-84.4	1
83	MP2A	My	.056	1
84	MP2A	Mz	0	1
85	MP2B	Y	-84.4	1
86	MP2B	My	0	1
87	MP2B	Mz	.056	1
88	MP2C	Y	-84.4	1
89	MP2C	My	-.028	1
90	MP2C	Mz	-.049	1
91	MP3A	Y	-70.3	1
92	MP3A	My	.047	1
93	MP3A	Mz	0	1
94	MP3B	Y	-70.3	1
95	MP3B	My	0	1
96	MP3B	Mz	.047	1
97	MP3C	Y	-70.3	1
98	MP3C	My	-.023	1
99	MP3C	Mz	-.041	1
100	M100	Y	-32	.25
101	M100	My	0	.25
102	M100	Mz	0	.25

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-101.028	.17
2	MP4A	My	-.067	.17
3	MP4A	Mz	0	.17
4	MP4A	Y	-101.028	5.17
5	MP4A	My	-.067	5.17
6	MP4A	Mz	0	5.17
7	MP4B	Y	-101.028	.17
8	MP4B	My	0	.17
9	MP4B	Mz	-.067	.17
10	MP4B	Y	-101.028	5.17
11	MP4B	My	0	5.17
12	MP4B	Mz	-.067	5.17
13	MP4C	Y	-101.028	.17
14	MP4C	My	.034	.17
15	MP4C	Mz	.058	.17
16	MP4C	Y	-101.028	5.17
17	MP4C	My	.034	5.17
18	MP4C	Mz	.058	5.17
19	MP3A	Y	-91.745	.17
20	MP3A	My	-.061	.17
21	MP3A	Mz	.061	.17
22	MP3A	Y	-91.745	5.17
23	MP3A	My	-.061	5.17
24	MP3A	Mz	.061	5.17
25	MP3B	Y	-91.745	.17
26	MP3B	My	-.061	.17
27	MP3B	Mz	-.061	.17
28	MP3B	Y	-91.745	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	My	-.061	5.17
30	MP3B	Mz	-.061	5.17
31	MP3C	Y	-91.745	.17
32	MP3C	My	.084	.17
33	MP3C	Mz	.022	.17
34	MP3C	Y	-91.745	5.17
35	MP3C	My	.084	5.17
36	MP3C	Mz	.022	5.17
37	MP3A	Y	-91.745	.17
38	MP3A	My	-.061	.17
39	MP3A	Mz	-.061	.17
40	MP3A	Y	-91.745	5.17
41	MP3A	My	-.061	5.17
42	MP3A	Mz	-.061	5.17
43	MP3B	Y	-91.745	.17
44	MP3B	My	.061	.17
45	MP3B	Mz	-.061	.17
46	MP3B	Y	-91.745	5.17
47	MP3B	My	.061	5.17
48	MP3B	Mz	-.061	5.17
49	MP3C	Y	-91.745	.17
50	MP3C	My	-.022	.17
51	MP3C	Mz	.084	.17
52	MP3C	Y	-91.745	5.17
53	MP3C	My	-.022	5.17
54	MP3C	Mz	.084	5.17
55	MP1A	Y	-21.536	4.67
56	MP1A	My	-.007	4.67
57	MP1A	Mz	0	4.67
58	MP1B	Y	-21.536	4.67
59	MP1B	My	0	4.67
60	MP1B	Mz	-.007	4.67
61	MP1C	Y	-21.536	4.67
62	MP1C	My	.004	4.67
63	MP1C	Mz	.006	4.67
64	MP1A	Y	-53.715	.17
65	MP1A	My	-.022	.17
66	MP1A	Mz	0	.17
67	MP1A	Y	-53.715	2.17
68	MP1A	My	-.022	2.17
69	MP1A	Mz	0	2.17
70	MP1B	Y	-53.715	.17
71	MP1B	My	0	.17
72	MP1B	Mz	-.022	.17
73	MP1B	Y	-53.715	2.17
74	MP1B	My	0	2.17
75	MP1B	Mz	-.022	2.17
76	MP1C	Y	-53.715	.17
77	MP1C	My	.011	.17
78	MP1C	Mz	.019	.17
79	MP1C	Y	-53.715	2.17
80	MP1C	My	.011	2.17
81	MP1C	Mz	.019	2.17
82	MP2A	Y	-68.202	1
83	MP2A	My	.045	1
84	MP2A	Mz	0	1
85	MP2B	Y	-68.202	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP2B	My	0	1
87	MP2B	Mz	.045	1
88	MP2C	Y	-68.202	1
89	MP2C	My	-.023	1
90	MP2C	Mz	-.039	1
91	MP3A	Y	-61.547	1
92	MP3A	My	.041	1
93	MP3A	Mz	0	1
94	MP3B	Y	-61.547	1
95	MP3B	My	0	1
96	MP3B	Mz	.041	1
97	MP3C	Y	-61.547	1
98	MP3C	My	-.021	1
99	MP3C	Mz	-.036	1
100	M100	Y	-114.06	.25
101	M100	My	0	.25
102	M100	Mz	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	.17
2	MP4A	Z	-172.665	.17
3	MP4A	Mx	0	.17
4	MP4A	X	0	5.17
5	MP4A	Z	-172.665	5.17
6	MP4A	Mx	0	5.17
7	MP4B	X	0	.17
8	MP4B	Z	-114.863	.17
9	MP4B	Mx	.077	.17
10	MP4B	X	0	5.17
11	MP4B	Z	-114.863	5.17
12	MP4B	Mx	.077	5.17
13	MP4C	X	0	.17
14	MP4C	Z	-129.313	.17
15	MP4C	Mx	-.075	.17
16	MP4C	X	0	5.17
17	MP4C	Z	-129.313	5.17
18	MP4C	Mx	-.075	5.17
19	MP3A	X	0	.17
20	MP3A	Z	-152.648	.17
21	MP3A	Mx	-.102	.17
22	MP3A	X	0	5.17
23	MP3A	Z	-152.648	5.17
24	MP3A	Mx	-.102	5.17
25	MP3B	X	0	.17
26	MP3B	Z	-100.947	.17
27	MP3B	Mx	.067	.17
28	MP3B	X	0	5.17
29	MP3B	Z	-100.947	5.17
30	MP3B	Mx	.067	5.17
31	MP3C	X	0	.17
32	MP3C	Z	-113.873	.17
33	MP3C	Mx	-.028	.17
34	MP3C	X	0	5.17
35	MP3C	Z	-113.873	5.17
36	MP3C	Mx	-.028	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	0	.17
38	MP3A	Z	-152.648	.17
39	MP3A	Mx	.102	.17
40	MP3A	X	0	5.17
41	MP3A	Z	-152.648	5.17
42	MP3A	Mx	.102	5.17
43	MP3B	X	0	.17
44	MP3B	Z	-100.947	.17
45	MP3B	Mx	.067	.17
46	MP3B	X	0	5.17
47	MP3B	Z	-100.947	5.17
48	MP3B	Mx	.067	5.17
49	MP3C	X	0	.17
50	MP3C	Z	-113.873	.17
51	MP3C	Mx	-.104	.17
52	MP3C	X	0	5.17
53	MP3C	Z	-113.873	5.17
54	MP3C	Mx	-.104	5.17
55	MP1A	X	0	4.67
56	MP1A	Z	-33.298	4.67
57	MP1A	Mx	0	4.67
58	MP1B	X	0	4.67
59	MP1B	Z	-6.53	4.67
60	MP1B	Mx	.002	4.67
61	MP1C	X	0	4.67
62	MP1C	Z	-13.222	4.67
63	MP1C	Mx	-.004	4.67
64	MP1A	X	0	.17
65	MP1A	Z	-87.922	.17
66	MP1A	Mx	0	.17
67	MP1A	X	0	2.17
68	MP1A	Z	-87.922	2.17
69	MP1A	Mx	0	2.17
70	MP1B	X	0	.17
71	MP1B	Z	-34.421	.17
72	MP1B	Mx	.014	.17
73	MP1B	X	0	2.17
74	MP1B	Z	-34.421	2.17
75	MP1B	Mx	.014	2.17
76	MP1C	X	0	.17
77	MP1C	Z	-47.797	.17
78	MP1C	Mx	-.017	.17
79	MP1C	X	0	2.17
80	MP1C	Z	-47.797	2.17
81	MP1C	Mx	-.017	2.17
82	MP2A	X	0	1
83	MP2A	Z	-69.964	1
84	MP2A	Mx	0	1
85	MP2B	X	0	1
86	MP2B	Z	-46.767	1
87	MP2B	Mx	-.031	1
88	MP2C	X	0	1
89	MP2C	Z	-52.566	1
90	MP2C	Mx	.03	1
91	MP3A	X	0	1
92	MP3A	Z	-69.964	1
93	MP3A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP3B	X	0	1
95	MP3B	Z	-37.881	1
96	MP3B	Mx	-.025	1
97	MP3C	X	0	1
98	MP3C	Z	-45.902	1
99	MP3C	Mx	.027	1
100	M100	X	0	.25
101	M100	Z	-129.813	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	79.107	.17
2	MP4A	Z	-137.018	.17
3	MP4A	Mx	-.053	.17
4	MP4A	X	79.107	5.17
5	MP4A	Z	-137.018	5.17
6	MP4A	Mx	-.053	5.17
7	MP4B	X	64.657	.17
8	MP4B	Z	-111.989	.17
9	MP4B	Mx	.075	.17
10	MP4B	X	64.657	5.17
11	MP4B	Z	-111.989	5.17
12	MP4B	Mx	.075	5.17
13	MP4C	X	79.107	.17
14	MP4C	Z	-137.018	.17
15	MP4C	Mx	-.053	.17
16	MP4C	X	79.107	5.17
17	MP4C	Z	-137.018	5.17
18	MP4C	Mx	-.053	5.17
19	MP3A	X	69.861	.17
20	MP3A	Z	-121.004	.17
21	MP3A	Mx	-.127	.17
22	MP3A	X	69.861	5.17
23	MP3A	Z	-121.004	5.17
24	MP3A	Mx	-.127	5.17
25	MP3B	X	56.936	.17
26	MP3B	Z	-98.616	.17
27	MP3B	Mx	.028	.17
28	MP3B	X	56.936	5.17
29	MP3B	Z	-98.616	5.17
30	MP3B	Mx	.028	5.17
31	MP3C	X	69.861	.17
32	MP3C	Z	-121.004	.17
33	MP3C	Mx	.034	.17
34	MP3C	X	69.861	5.17
35	MP3C	Z	-121.004	5.17
36	MP3C	Mx	.034	5.17
37	MP3A	X	69.861	.17
38	MP3A	Z	-121.004	.17
39	MP3A	Mx	.034	.17
40	MP3A	X	69.861	5.17
41	MP3A	Z	-121.004	5.17
42	MP3A	Mx	.034	5.17
43	MP3B	X	56.936	.17
44	MP3B	Z	-98.616	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	.104	.17
46	MP3B	X	56.936	5.17
47	MP3B	Z	-98.616	5.17
48	MP3B	Mx	.104	5.17
49	MP3C	X	69.861	.17
50	MP3C	Z	-121.004	.17
51	MP3C	Mx	-.127	.17
52	MP3C	X	69.861	5.17
53	MP3C	Z	-121.004	5.17
54	MP3C	Mx	-.127	5.17
55	MP1A	X	13.303	4.67
56	MP1A	Z	-23.042	4.67
57	MP1A	Mx	-.004	4.67
58	MP1B	X	6.611	4.67
59	MP1B	Z	-11.451	4.67
60	MP1B	Mx	.004	4.67
61	MP1C	X	13.303	4.67
62	MP1C	Z	-23.042	4.67
63	MP1C	Mx	-.004	4.67
64	MP1A	X	37.274	.17
65	MP1A	Z	-64.56	.17
66	MP1A	Mx	-.016	.17
67	MP1A	X	37.274	2.17
68	MP1A	Z	-64.56	2.17
69	MP1A	Mx	-.016	2.17
70	MP1B	X	23.898	.17
71	MP1B	Z	-41.393	.17
72	MP1B	Mx	.017	.17
73	MP1B	X	23.898	2.17
74	MP1B	Z	-41.393	2.17
75	MP1B	Mx	.017	2.17
76	MP1C	X	37.274	.17
77	MP1C	Z	-64.56	.17
78	MP1C	Mx	-.016	.17
79	MP1C	X	37.274	2.17
80	MP1C	Z	-64.56	2.17
81	MP1C	Mx	-.016	2.17
82	MP2A	X	32.082	1
83	MP2A	Z	-55.568	1
84	MP2A	Mx	.021	1
85	MP2B	X	26.283	1
86	MP2B	Z	-45.524	1
87	MP2B	Mx	-.03	1
88	MP2C	X	32.082	1
89	MP2C	Z	-55.568	1
90	MP2C	Mx	.021	1
91	MP3A	X	30.972	1
92	MP3A	Z	-53.644	1
93	MP3A	Mx	.021	1
94	MP3B	X	22.951	1
95	MP3B	Z	-39.752	1
96	MP3B	Mx	-.027	1
97	MP3C	X	30.972	1
98	MP3C	Z	-53.644	1
99	MP3C	Mx	.021	1
100	M100	X	52.922	.25
101	M100	Z	-91.664	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	111.989	.17
2	MP4A	Z	-64.657	.17
3	MP4A	Mx	-.075	.17
4	MP4A	X	111.989	5.17
5	MP4A	Z	-64.657	5.17
6	MP4A	Mx	-.075	5.17
7	MP4B	X	137.018	.17
8	MP4B	Z	-79.107	.17
9	MP4B	Mx	.053	.17
10	MP4B	X	137.018	5.17
11	MP4B	Z	-79.107	5.17
12	MP4B	Mx	.053	5.17
13	MP4C	X	149.532	.17
14	MP4C	Z	-86.332	.17
15	MP4C	Mx	0	.17
16	MP4C	X	149.532	5.17
17	MP4C	Z	-86.332	5.17
18	MP4C	Mx	0	5.17
19	MP3A	X	98.616	.17
20	MP3A	Z	-56.936	.17
21	MP3A	Mx	-.104	.17
22	MP3A	X	98.616	5.17
23	MP3A	Z	-56.936	5.17
24	MP3A	Mx	-.104	5.17
25	MP3B	X	121.004	.17
26	MP3B	Z	-69.861	.17
27	MP3B	Mx	-.034	.17
28	MP3B	X	121.004	5.17
29	MP3B	Z	-69.861	5.17
30	MP3B	Mx	-.034	5.17
31	MP3C	X	132.197	.17
32	MP3C	Z	-76.324	.17
33	MP3C	Mx	.102	.17
34	MP3C	X	132.197	5.17
35	MP3C	Z	-76.324	5.17
36	MP3C	Mx	.102	5.17
37	MP3A	X	98.616	.17
38	MP3A	Z	-56.936	.17
39	MP3A	Mx	-.028	.17
40	MP3A	X	98.616	5.17
41	MP3A	Z	-56.936	5.17
42	MP3A	Mx	-.028	5.17
43	MP3B	X	121.004	.17
44	MP3B	Z	-69.861	.17
45	MP3B	Mx	.127	.17
46	MP3B	X	121.004	5.17
47	MP3B	Z	-69.861	5.17
48	MP3B	Mx	.127	5.17
49	MP3C	X	132.197	.17
50	MP3C	Z	-76.324	.17
51	MP3C	Mx	-.102	.17
52	MP3C	X	132.197	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-76.324	5.17
54	MP3C	Mx	-.102	5.17
55	MP1A	X	11.451	4.67
56	MP1A	Z	-6.611	4.67
57	MP1A	Mx	-.004	4.67
58	MP1B	X	23.042	4.67
59	MP1B	Z	-13.303	4.67
60	MP1B	Mx	.004	4.67
61	MP1C	X	28.837	4.67
62	MP1C	Z	-16.649	4.67
63	MP1C	Mx	0	4.67
64	MP1A	X	41.393	.17
65	MP1A	Z	-23.898	.17
66	MP1A	Mx	-.017	.17
67	MP1A	X	41.393	2.17
68	MP1A	Z	-23.898	2.17
69	MP1A	Mx	-.017	2.17
70	MP1B	X	64.56	.17
71	MP1B	Z	-37.274	.17
72	MP1B	Mx	.016	.17
73	MP1B	X	64.56	2.17
74	MP1B	Z	-37.274	2.17
75	MP1B	Mx	.016	2.17
76	MP1C	X	76.143	.17
77	MP1C	Z	-43.961	.17
78	MP1C	Mx	0	.17
79	MP1C	X	76.143	2.17
80	MP1C	Z	-43.961	2.17
81	MP1C	Mx	0	2.17
82	MP2A	X	45.524	1
83	MP2A	Z	-26.283	1
84	MP2A	Mx	.03	1
85	MP2B	X	55.568	1
86	MP2B	Z	-32.082	1
87	MP2B	Mx	-.021	1
88	MP2C	X	60.59	1
89	MP2C	Z	-34.982	1
90	MP2C	Mx	0	1
91	MP3A	X	39.752	1
92	MP3A	Z	-22.951	1
93	MP3A	Mx	.027	1
94	MP3B	X	53.644	1
95	MP3B	Z	-30.972	1
96	MP3B	Mx	-.021	1
97	MP3C	X	60.59	1
98	MP3C	Z	-34.982	1
99	MP3C	Mx	0	1
100	M100	X	81.284	.25
101	M100	Z	-46.93	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	114.863	.17
2	MP4A	Z	0	.17
3	MP4A	Mx	-.077	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP4A	X	114.863	5.17
5	MP4A	Z	0	5.17
6	MP4A	Mx	-.077	5.17
7	MP4B	X	172.665	.17
8	MP4B	Z	0	.17
9	MP4B	Mx	0	.17
10	MP4B	X	172.665	5.17
11	MP4B	Z	0	5.17
12	MP4B	Mx	0	5.17
13	MP4C	X	158.214	.17
14	MP4C	Z	0	.17
15	MP4C	Mx	.053	.17
16	MP4C	X	158.214	5.17
17	MP4C	Z	0	5.17
18	MP4C	Mx	.053	5.17
19	MP3A	X	100.947	.17
20	MP3A	Z	0	.17
21	MP3A	Mx	-.067	.17
22	MP3A	X	100.947	5.17
23	MP3A	Z	0	5.17
24	MP3A	Mx	-.067	5.17
25	MP3B	X	152.648	.17
26	MP3B	Z	0	.17
27	MP3B	Mx	-.102	.17
28	MP3B	X	152.648	5.17
29	MP3B	Z	0	5.17
30	MP3B	Mx	-.102	5.17
31	MP3C	X	139.723	.17
32	MP3C	Z	0	.17
33	MP3C	Mx	.127	.17
34	MP3C	X	139.723	5.17
35	MP3C	Z	0	5.17
36	MP3C	Mx	.127	5.17
37	MP3A	X	100.947	.17
38	MP3A	Z	0	.17
39	MP3A	Mx	-.067	.17
40	MP3A	X	100.947	5.17
41	MP3A	Z	0	5.17
42	MP3A	Mx	-.067	5.17
43	MP3B	X	152.648	.17
44	MP3B	Z	0	.17
45	MP3B	Mx	.102	.17
46	MP3B	X	152.648	5.17
47	MP3B	Z	0	5.17
48	MP3B	Mx	.102	5.17
49	MP3C	X	139.723	.17
50	MP3C	Z	0	.17
51	MP3C	Mx	-.034	.17
52	MP3C	X	139.723	5.17
53	MP3C	Z	0	5.17
54	MP3C	Mx	-.034	5.17
55	MP1A	X	6.53	4.67
56	MP1A	Z	0	4.67
57	MP1A	Mx	-.002	4.67
58	MP1B	X	33.298	4.67
59	MP1B	Z	0	4.67
60	MP1B	Mx	0	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP1C	X	26.606	4.67
62	MP1C	Z	0	4.67
63	MP1C	Mx	.004	4.67
64	MP1A	X	34.421	.17
65	MP1A	Z	0	.17
66	MP1A	Mx	-.014	.17
67	MP1A	X	34.421	2.17
68	MP1A	Z	0	2.17
69	MP1A	Mx	-.014	2.17
70	MP1B	X	87.922	.17
71	MP1B	Z	0	.17
72	MP1B	Mx	0	.17
73	MP1B	X	87.922	2.17
74	MP1B	Z	0	2.17
75	MP1B	Mx	0	2.17
76	MP1C	X	74.547	.17
77	MP1C	Z	0	.17
78	MP1C	Mx	.016	.17
79	MP1C	X	74.547	2.17
80	MP1C	Z	0	2.17
81	MP1C	Mx	.016	2.17
82	MP2A	X	46.767	1
83	MP2A	Z	0	1
84	MP2A	Mx	.031	1
85	MP2B	X	69.964	1
86	MP2B	Z	0	1
87	MP2B	Mx	0	1
88	MP2C	X	64.165	1
89	MP2C	Z	0	1
90	MP2C	Mx	-.021	1
91	MP3A	X	37.881	1
92	MP3A	Z	0	1
93	MP3A	Mx	.025	1
94	MP3B	X	69.964	1
95	MP3B	Z	0	1
96	MP3B	Mx	0	1
97	MP3C	X	61.943	1
98	MP3C	Z	0	1
99	MP3C	Mx	-.021	1
100	M100	X	105.844	.25
101	M100	Z	0	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	111.989	.17
2	MP4A	Z	64.657	.17
3	MP4A	Mx	-.075	.17
4	MP4A	X	111.989	5.17
5	MP4A	Z	64.657	5.17
6	MP4A	Mx	-.075	5.17
7	MP4B	X	137.018	.17
8	MP4B	Z	79.107	.17
9	MP4B	Mx	-.053	.17
10	MP4B	X	137.018	5.17
11	MP4B	Z	79.107	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	-.053	5.17
13	MP4C	X	111.989	.17
14	MP4C	Z	64.657	.17
15	MP4C	Mx	.075	.17
16	MP4C	X	111.989	5.17
17	MP4C	Z	64.657	5.17
18	MP4C	Mx	.075	5.17
19	MP3A	X	98.616	.17
20	MP3A	Z	56.936	.17
21	MP3A	Mx	-.028	.17
22	MP3A	X	98.616	5.17
23	MP3A	Z	56.936	5.17
24	MP3A	Mx	-.028	5.17
25	MP3B	X	121.004	.17
26	MP3B	Z	69.861	.17
27	MP3B	Mx	-.127	.17
28	MP3B	X	121.004	5.17
29	MP3B	Z	69.861	5.17
30	MP3B	Mx	-.127	5.17
31	MP3C	X	98.616	.17
32	MP3C	Z	56.936	.17
33	MP3C	Mx	.104	.17
34	MP3C	X	98.616	5.17
35	MP3C	Z	56.936	5.17
36	MP3C	Mx	.104	5.17
37	MP3A	X	98.616	.17
38	MP3A	Z	56.936	.17
39	MP3A	Mx	-.104	.17
40	MP3A	X	98.616	5.17
41	MP3A	Z	56.936	5.17
42	MP3A	Mx	-.104	5.17
43	MP3B	X	121.004	.17
44	MP3B	Z	69.861	.17
45	MP3B	Mx	.034	.17
46	MP3B	X	121.004	5.17
47	MP3B	Z	69.861	5.17
48	MP3B	Mx	.034	5.17
49	MP3C	X	98.616	.17
50	MP3C	Z	56.936	.17
51	MP3C	Mx	.028	.17
52	MP3C	X	98.616	5.17
53	MP3C	Z	56.936	5.17
54	MP3C	Mx	.028	5.17
55	MP1A	X	11.451	4.67
56	MP1A	Z	6.611	4.67
57	MP1A	Mx	-.004	4.67
58	MP1B	X	23.042	4.67
59	MP1B	Z	13.303	4.67
60	MP1B	Mx	-.004	4.67
61	MP1C	X	11.451	4.67
62	MP1C	Z	6.611	4.67
63	MP1C	Mx	.004	4.67
64	MP1A	X	41.393	.17
65	MP1A	Z	23.898	.17
66	MP1A	Mx	-.017	.17
67	MP1A	X	41.393	2.17
68	MP1A	Z	23.898	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP1A	Mx	-.017	2.17
70	MP1B	X	64.56	.17
71	MP1B	Z	37.274	.17
72	MP1B	Mx	-.016	.17
73	MP1B	X	64.56	2.17
74	MP1B	Z	37.274	2.17
75	MP1B	Mx	-.016	2.17
76	MP1C	X	41.393	.17
77	MP1C	Z	23.898	.17
78	MP1C	Mx	.017	.17
79	MP1C	X	41.393	2.17
80	MP1C	Z	23.898	2.17
81	MP1C	Mx	.017	2.17
82	MP2A	X	45.524	1
83	MP2A	Z	26.283	1
84	MP2A	Mx	.03	1
85	MP2B	X	55.568	1
86	MP2B	Z	32.082	1
87	MP2B	Mx	.021	1
88	MP2C	X	45.524	1
89	MP2C	Z	26.283	1
90	MP2C	Mx	-.03	1
91	MP3A	X	39.752	1
92	MP3A	Z	22.951	1
93	MP3A	Mx	.027	1
94	MP3B	X	53.644	1
95	MP3B	Z	30.972	1
96	MP3B	Mx	.021	1
97	MP3C	X	39.752	1
98	MP3C	Z	22.951	1
99	MP3C	Mx	-.027	1
100	M100	X	112.422	.25
101	M100	Z	64.907	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	79.107	.17
2	MP4A	Z	137.018	.17
3	MP4A	Mx	-.053	.17
4	MP4A	X	79.107	5.17
5	MP4A	Z	137.018	5.17
6	MP4A	Mx	-.053	5.17
7	MP4B	X	64.657	.17
8	MP4B	Z	111.989	.17
9	MP4B	Mx	-.075	.17
10	MP4B	X	64.657	5.17
11	MP4B	Z	111.989	5.17
12	MP4B	Mx	-.075	5.17
13	MP4C	X	57.432	.17
14	MP4C	Z	99.474	.17
15	MP4C	Mx	.077	.17
16	MP4C	X	57.432	5.17
17	MP4C	Z	99.474	5.17
18	MP4C	Mx	.077	5.17
19	MP3A	X	69.861	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP3A	Z	121.004	.17
21	MP3A	Mx	.034	.17
22	MP3A	X	69.861	5.17
23	MP3A	Z	121.004	5.17
24	MP3A	Mx	.034	5.17
25	MP3B	X	56.936	.17
26	MP3B	Z	98.616	.17
27	MP3B	Mx	-.104	.17
28	MP3B	X	56.936	5.17
29	MP3B	Z	98.616	5.17
30	MP3B	Mx	-.104	5.17
31	MP3C	X	50.474	.17
32	MP3C	Z	87.423	.17
33	MP3C	Mx	.067	.17
34	MP3C	X	50.474	5.17
35	MP3C	Z	87.423	5.17
36	MP3C	Mx	.067	5.17
37	MP3A	X	69.861	.17
38	MP3A	Z	121.004	.17
39	MP3A	Mx	-.127	.17
40	MP3A	X	69.861	5.17
41	MP3A	Z	121.004	5.17
42	MP3A	Mx	-.127	5.17
43	MP3B	X	56.936	.17
44	MP3B	Z	98.616	.17
45	MP3B	Mx	-.028	.17
46	MP3B	X	56.936	5.17
47	MP3B	Z	98.616	5.17
48	MP3B	Mx	-.028	5.17
49	MP3C	X	50.474	.17
50	MP3C	Z	87.423	.17
51	MP3C	Mx	.067	.17
52	MP3C	X	50.474	5.17
53	MP3C	Z	87.423	5.17
54	MP3C	Mx	.067	5.17
55	MP1A	X	13.303	4.67
56	MP1A	Z	23.042	4.67
57	MP1A	Mx	-.004	4.67
58	MP1B	X	6.611	4.67
59	MP1B	Z	11.451	4.67
60	MP1B	Mx	-.004	4.67
61	MP1C	X	3.265	4.67
62	MP1C	Z	5.655	4.67
63	MP1C	Mx	.002	4.67
64	MP1A	X	37.274	.17
65	MP1A	Z	64.56	.17
66	MP1A	Mx	-.016	.17
67	MP1A	X	37.274	2.17
68	MP1A	Z	64.56	2.17
69	MP1A	Mx	-.016	2.17
70	MP1B	X	23.898	.17
71	MP1B	Z	41.393	.17
72	MP1B	Mx	-.017	.17
73	MP1B	X	23.898	2.17
74	MP1B	Z	41.393	2.17
75	MP1B	Mx	-.017	2.17
76	MP1C	X	17.211	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1C	Z	29.81	.17
78	MP1C	Mx	.014	.17
79	MP1C	X	17.211	2.17
80	MP1C	Z	29.81	2.17
81	MP1C	Mx	.014	2.17
82	MP2A	X	32.082	1
83	MP2A	Z	55.568	1
84	MP2A	Mx	.021	1
85	MP2B	X	26.283	1
86	MP2B	Z	45.524	1
87	MP2B	Mx	.03	1
88	MP2C	X	23.384	1
89	MP2C	Z	40.502	1
90	MP2C	Mx	-.031	1
91	MP3A	X	30.972	1
92	MP3A	Z	53.644	1
93	MP3A	Mx	.021	1
94	MP3B	X	22.951	1
95	MP3B	Z	39.752	1
96	MP3B	Mx	.027	1
97	MP3C	X	18.941	1
98	MP3C	Z	32.806	1
99	MP3C	Mx	-.025	1
100	M100	X	70.899	.25
101	M100	Z	122.801	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	.17
2	MP4A	Z	172.665	.17
3	MP4A	Mx	0	.17
4	MP4A	X	0	5.17
5	MP4A	Z	172.665	5.17
6	MP4A	Mx	0	5.17
7	MP4B	X	0	.17
8	MP4B	Z	114.863	.17
9	MP4B	Mx	-.077	.17
10	MP4B	X	0	5.17
11	MP4B	Z	114.863	5.17
12	MP4B	Mx	-.077	5.17
13	MP4C	X	0	.17
14	MP4C	Z	129.313	.17
15	MP4C	Mx	.075	.17
16	MP4C	X	0	5.17
17	MP4C	Z	129.313	5.17
18	MP4C	Mx	.075	5.17
19	MP3A	X	0	.17
20	MP3A	Z	152.648	.17
21	MP3A	Mx	.102	.17
22	MP3A	X	0	5.17
23	MP3A	Z	152.648	5.17
24	MP3A	Mx	.102	5.17
25	MP3B	X	0	.17
26	MP3B	Z	100.947	.17
27	MP3B	Mx	-.067	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP3B	X	0	5.17
29	MP3B	Z	100.947	5.17
30	MP3B	Mx	-.067	5.17
31	MP3C	X	0	.17
32	MP3C	Z	113.873	.17
33	MP3C	Mx	.028	.17
34	MP3C	X	0	5.17
35	MP3C	Z	113.873	5.17
36	MP3C	Mx	.028	5.17
37	MP3A	X	0	.17
38	MP3A	Z	152.648	.17
39	MP3A	Mx	-.102	.17
40	MP3A	X	0	5.17
41	MP3A	Z	152.648	5.17
42	MP3A	Mx	-.102	5.17
43	MP3B	X	0	.17
44	MP3B	Z	100.947	.17
45	MP3B	Mx	-.067	.17
46	MP3B	X	0	5.17
47	MP3B	Z	100.947	5.17
48	MP3B	Mx	-.067	5.17
49	MP3C	X	0	.17
50	MP3C	Z	113.873	.17
51	MP3C	Mx	.104	.17
52	MP3C	X	0	5.17
53	MP3C	Z	113.873	5.17
54	MP3C	Mx	.104	5.17
55	MP1A	X	0	4.67
56	MP1A	Z	33.298	4.67
57	MP1A	Mx	0	4.67
58	MP1B	X	0	4.67
59	MP1B	Z	6.53	4.67
60	MP1B	Mx	-.002	4.67
61	MP1C	X	0	4.67
62	MP1C	Z	13.222	4.67
63	MP1C	Mx	.004	4.67
64	MP1A	X	0	.17
65	MP1A	Z	87.922	.17
66	MP1A	Mx	0	.17
67	MP1A	X	0	2.17
68	MP1A	Z	87.922	2.17
69	MP1A	Mx	0	2.17
70	MP1B	X	0	.17
71	MP1B	Z	34.421	.17
72	MP1B	Mx	-.014	.17
73	MP1B	X	0	2.17
74	MP1B	Z	34.421	2.17
75	MP1B	Mx	-.014	2.17
76	MP1C	X	0	.17
77	MP1C	Z	47.797	.17
78	MP1C	Mx	.017	.17
79	MP1C	X	0	2.17
80	MP1C	Z	47.797	2.17
81	MP1C	Mx	.017	2.17
82	MP2A	X	0	1
83	MP2A	Z	69.964	1
84	MP2A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP2B	X	0	1
86	MP2B	Z	46.767	1
87	MP2B	Mx	.031	1
88	MP2C	X	0	1
89	MP2C	Z	52.566	1
90	MP2C	Mx	-.03	1
91	MP3A	X	0	1
92	MP3A	Z	69.964	1
93	MP3A	Mx	0	1
94	MP3B	X	0	1
95	MP3B	Z	37.881	1
96	MP3B	Mx	.025	1
97	MP3C	X	0	1
98	MP3C	Z	45.902	1
99	MP3C	Mx	-.027	1
100	M100	X	0	.25
101	M100	Z	129.813	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-79.107	.17
2	MP4A	Z	137.018	.17
3	MP4A	Mx	.053	.17
4	MP4A	X	-79.107	5.17
5	MP4A	Z	137.018	5.17
6	MP4A	Mx	.053	5.17
7	MP4B	X	-64.657	.17
8	MP4B	Z	111.989	.17
9	MP4B	Mx	-.075	.17
10	MP4B	X	-64.657	5.17
11	MP4B	Z	111.989	5.17
12	MP4B	Mx	-.075	5.17
13	MP4C	X	-79.107	.17
14	MP4C	Z	137.018	.17
15	MP4C	Mx	.053	.17
16	MP4C	X	-79.107	5.17
17	MP4C	Z	137.018	5.17
18	MP4C	Mx	.053	5.17
19	MP3A	X	-69.861	.17
20	MP3A	Z	121.004	.17
21	MP3A	Mx	.127	.17
22	MP3A	X	-69.861	5.17
23	MP3A	Z	121.004	5.17
24	MP3A	Mx	.127	5.17
25	MP3B	X	-56.936	.17
26	MP3B	Z	98.616	.17
27	MP3B	Mx	-.028	.17
28	MP3B	X	-56.936	5.17
29	MP3B	Z	98.616	5.17
30	MP3B	Mx	-.028	5.17
31	MP3C	X	-69.861	.17
32	MP3C	Z	121.004	.17
33	MP3C	Mx	-.034	.17
34	MP3C	X	-69.861	5.17
35	MP3C	Z	121.004	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	-.034	5.17
37	MP3A	X	-69.861	.17
38	MP3A	Z	121.004	.17
39	MP3A	Mx	-.034	.17
40	MP3A	X	-69.861	5.17
41	MP3A	Z	121.004	5.17
42	MP3A	Mx	-.034	5.17
43	MP3B	X	-56.936	.17
44	MP3B	Z	98.616	.17
45	MP3B	Mx	-.104	.17
46	MP3B	X	-56.936	5.17
47	MP3B	Z	98.616	5.17
48	MP3B	Mx	-.104	5.17
49	MP3C	X	-69.861	.17
50	MP3C	Z	121.004	.17
51	MP3C	Mx	.127	.17
52	MP3C	X	-69.861	5.17
53	MP3C	Z	121.004	5.17
54	MP3C	Mx	.127	5.17
55	MP1A	X	-13.303	4.67
56	MP1A	Z	23.042	4.67
57	MP1A	Mx	.004	4.67
58	MP1B	X	-6.611	4.67
59	MP1B	Z	11.451	4.67
60	MP1B	Mx	-.004	4.67
61	MP1C	X	-13.303	4.67
62	MP1C	Z	23.042	4.67
63	MP1C	Mx	.004	4.67
64	MP1A	X	-37.274	.17
65	MP1A	Z	64.56	.17
66	MP1A	Mx	.016	.17
67	MP1A	X	-37.274	2.17
68	MP1A	Z	64.56	2.17
69	MP1A	Mx	.016	2.17
70	MP1B	X	-23.898	.17
71	MP1B	Z	41.393	.17
72	MP1B	Mx	-.017	.17
73	MP1B	X	-23.898	2.17
74	MP1B	Z	41.393	2.17
75	MP1B	Mx	-.017	2.17
76	MP1C	X	-37.274	.17
77	MP1C	Z	64.56	.17
78	MP1C	Mx	.016	.17
79	MP1C	X	-37.274	2.17
80	MP1C	Z	64.56	2.17
81	MP1C	Mx	.016	2.17
82	MP2A	X	-32.082	1
83	MP2A	Z	55.568	1
84	MP2A	Mx	-.021	1
85	MP2B	X	-26.283	1
86	MP2B	Z	45.524	1
87	MP2B	Mx	.03	1
88	MP2C	X	-32.082	1
89	MP2C	Z	55.568	1
90	MP2C	Mx	-.021	1
91	MP3A	X	-30.972	1
92	MP3A	Z	53.644	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP3A	Mx	-.021	1
94	MP3B	X	-22.951	1
95	MP3B	Z	39.752	1
96	MP3B	Mx	.027	1
97	MP3C	X	-30.972	1
98	MP3C	Z	53.644	1
99	MP3C	Mx	-.021	1
100	M100	X	-52.922	.25
101	M100	Z	91.664	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-111.989	.17
2	MP4A	Z	64.657	.17
3	MP4A	Mx	.075	.17
4	MP4A	X	-111.989	5.17
5	MP4A	Z	64.657	5.17
6	MP4A	Mx	.075	5.17
7	MP4B	X	-137.018	.17
8	MP4B	Z	79.107	.17
9	MP4B	Mx	-.053	.17
10	MP4B	X	-137.018	5.17
11	MP4B	Z	79.107	5.17
12	MP4B	Mx	-.053	5.17
13	MP4C	X	-149.532	.17
14	MP4C	Z	86.332	.17
15	MP4C	Mx	0	.17
16	MP4C	X	-149.532	5.17
17	MP4C	Z	86.332	5.17
18	MP4C	Mx	0	5.17
19	MP3A	X	-98.616	.17
20	MP3A	Z	56.936	.17
21	MP3A	Mx	.104	.17
22	MP3A	X	-98.616	5.17
23	MP3A	Z	56.936	5.17
24	MP3A	Mx	.104	5.17
25	MP3B	X	-121.004	.17
26	MP3B	Z	69.861	.17
27	MP3B	Mx	.034	.17
28	MP3B	X	-121.004	5.17
29	MP3B	Z	69.861	5.17
30	MP3B	Mx	.034	5.17
31	MP3C	X	-132.197	.17
32	MP3C	Z	76.324	.17
33	MP3C	Mx	-.102	.17
34	MP3C	X	-132.197	5.17
35	MP3C	Z	76.324	5.17
36	MP3C	Mx	-.102	5.17
37	MP3A	X	-98.616	.17
38	MP3A	Z	56.936	.17
39	MP3A	Mx	.028	.17
40	MP3A	X	-98.616	5.17
41	MP3A	Z	56.936	5.17
42	MP3A	Mx	.028	5.17
43	MP3B	X	-121.004	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	69.861	.17
45	MP3B	Mx	-.127	.17
46	MP3B	X	-121.004	5.17
47	MP3B	Z	69.861	5.17
48	MP3B	Mx	-.127	5.17
49	MP3C	X	-132.197	.17
50	MP3C	Z	76.324	.17
51	MP3C	Mx	.102	.17
52	MP3C	X	-132.197	5.17
53	MP3C	Z	76.324	5.17
54	MP3C	Mx	.102	5.17
55	MP1A	X	-11.451	4.67
56	MP1A	Z	6.611	4.67
57	MP1A	Mx	.004	4.67
58	MP1B	X	-23.042	4.67
59	MP1B	Z	13.303	4.67
60	MP1B	Mx	-.004	4.67
61	MP1C	X	-28.837	4.67
62	MP1C	Z	16.649	4.67
63	MP1C	Mx	0	4.67
64	MP1A	X	-41.393	.17
65	MP1A	Z	23.898	.17
66	MP1A	Mx	.017	.17
67	MP1A	X	-41.393	2.17
68	MP1A	Z	23.898	2.17
69	MP1A	Mx	.017	2.17
70	MP1B	X	-64.56	.17
71	MP1B	Z	37.274	.17
72	MP1B	Mx	-.016	.17
73	MP1B	X	-64.56	2.17
74	MP1B	Z	37.274	2.17
75	MP1B	Mx	-.016	2.17
76	MP1C	X	-76.143	.17
77	MP1C	Z	43.961	.17
78	MP1C	Mx	0	.17
79	MP1C	X	-76.143	2.17
80	MP1C	Z	43.961	2.17
81	MP1C	Mx	0	2.17
82	MP2A	X	-45.524	1
83	MP2A	Z	26.283	1
84	MP2A	Mx	-.03	1
85	MP2B	X	-55.568	1
86	MP2B	Z	32.082	1
87	MP2B	Mx	.021	1
88	MP2C	X	-60.59	1
89	MP2C	Z	34.982	1
90	MP2C	Mx	0	1
91	MP3A	X	-39.752	1
92	MP3A	Z	22.951	1
93	MP3A	Mx	-.027	1
94	MP3B	X	-53.644	1
95	MP3B	Z	30.972	1
96	MP3B	Mx	.021	1
97	MP3C	X	-60.59	1
98	MP3C	Z	34.982	1
99	MP3C	Mx	0	1
100	M100	X	-81.284	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	M100	Z	46.93	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-114.863	.17
2	MP4A	Z	0	.17
3	MP4A	Mx	.077	.17
4	MP4A	X	-114.863	5.17
5	MP4A	Z	0	5.17
6	MP4A	Mx	.077	5.17
7	MP4B	X	-172.665	.17
8	MP4B	Z	0	.17
9	MP4B	Mx	0	.17
10	MP4B	X	-172.665	5.17
11	MP4B	Z	0	5.17
12	MP4B	Mx	0	5.17
13	MP4C	X	-158.214	.17
14	MP4C	Z	0	.17
15	MP4C	Mx	-.053	.17
16	MP4C	X	-158.214	5.17
17	MP4C	Z	0	5.17
18	MP4C	Mx	-.053	5.17
19	MP3A	X	-100.947	.17
20	MP3A	Z	0	.17
21	MP3A	Mx	.067	.17
22	MP3A	X	-100.947	5.17
23	MP3A	Z	0	5.17
24	MP3A	Mx	.067	5.17
25	MP3B	X	-152.648	.17
26	MP3B	Z	0	.17
27	MP3B	Mx	.102	.17
28	MP3B	X	-152.648	5.17
29	MP3B	Z	0	5.17
30	MP3B	Mx	.102	5.17
31	MP3C	X	-139.723	.17
32	MP3C	Z	0	.17
33	MP3C	Mx	-.127	.17
34	MP3C	X	-139.723	5.17
35	MP3C	Z	0	5.17
36	MP3C	Mx	-.127	5.17
37	MP3A	X	-100.947	.17
38	MP3A	Z	0	.17
39	MP3A	Mx	.067	.17
40	MP3A	X	-100.947	5.17
41	MP3A	Z	0	5.17
42	MP3A	Mx	.067	5.17
43	MP3B	X	-152.648	.17
44	MP3B	Z	0	.17
45	MP3B	Mx	-.102	.17
46	MP3B	X	-152.648	5.17
47	MP3B	Z	0	5.17
48	MP3B	Mx	-.102	5.17
49	MP3C	X	-139.723	.17
50	MP3C	Z	0	.17
51	MP3C	Mx	.034	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP3C	X	-139.723	5.17
53	MP3C	Z	0	5.17
54	MP3C	Mx	.034	5.17
55	MP1A	X	-6.53	4.67
56	MP1A	Z	0	4.67
57	MP1A	Mx	.002	4.67
58	MP1B	X	-33.298	4.67
59	MP1B	Z	0	4.67
60	MP1B	Mx	0	4.67
61	MP1C	X	-26.606	4.67
62	MP1C	Z	0	4.67
63	MP1C	Mx	-.004	4.67
64	MP1A	X	-34.421	.17
65	MP1A	Z	0	.17
66	MP1A	Mx	.014	.17
67	MP1A	X	-34.421	2.17
68	MP1A	Z	0	2.17
69	MP1A	Mx	.014	2.17
70	MP1B	X	-87.922	.17
71	MP1B	Z	0	.17
72	MP1B	Mx	0	.17
73	MP1B	X	-87.922	2.17
74	MP1B	Z	0	2.17
75	MP1B	Mx	0	2.17
76	MP1C	X	-74.547	.17
77	MP1C	Z	0	.17
78	MP1C	Mx	-.016	.17
79	MP1C	X	-74.547	2.17
80	MP1C	Z	0	2.17
81	MP1C	Mx	-.016	2.17
82	MP2A	X	-46.767	1
83	MP2A	Z	0	1
84	MP2A	Mx	-.031	1
85	MP2B	X	-69.964	1
86	MP2B	Z	0	1
87	MP2B	Mx	0	1
88	MP2C	X	-64.165	1
89	MP2C	Z	0	1
90	MP2C	Mx	.021	1
91	MP3A	X	-37.881	1
92	MP3A	Z	0	1
93	MP3A	Mx	-.025	1
94	MP3B	X	-69.964	1
95	MP3B	Z	0	1
96	MP3B	Mx	0	1
97	MP3C	X	-61.943	1
98	MP3C	Z	0	1
99	MP3C	Mx	.021	1
100	M100	X	-105.844	.25
101	M100	Z	0	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-111.989	.17
2	MP4A	Z	-64.657	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP4A	Mx	.075	.17
4	MP4A	X	-111.989	5.17
5	MP4A	Z	-64.657	5.17
6	MP4A	Mx	.075	5.17
7	MP4B	X	-137.018	.17
8	MP4B	Z	-79.107	.17
9	MP4B	Mx	.053	.17
10	MP4B	X	-137.018	5.17
11	MP4B	Z	-79.107	5.17
12	MP4B	Mx	.053	5.17
13	MP4C	X	-111.989	.17
14	MP4C	Z	-64.657	.17
15	MP4C	Mx	-.075	.17
16	MP4C	X	-111.989	5.17
17	MP4C	Z	-64.657	5.17
18	MP4C	Mx	-.075	5.17
19	MP3A	X	-98.616	.17
20	MP3A	Z	-56.936	.17
21	MP3A	Mx	.028	.17
22	MP3A	X	-98.616	5.17
23	MP3A	Z	-56.936	5.17
24	MP3A	Mx	.028	5.17
25	MP3B	X	-121.004	.17
26	MP3B	Z	-69.861	.17
27	MP3B	Mx	.127	.17
28	MP3B	X	-121.004	5.17
29	MP3B	Z	-69.861	5.17
30	MP3B	Mx	.127	5.17
31	MP3C	X	-98.616	.17
32	MP3C	Z	-56.936	.17
33	MP3C	Mx	-.104	.17
34	MP3C	X	-98.616	5.17
35	MP3C	Z	-56.936	5.17
36	MP3C	Mx	-.104	5.17
37	MP3A	X	-98.616	.17
38	MP3A	Z	-56.936	.17
39	MP3A	Mx	.104	.17
40	MP3A	X	-98.616	5.17
41	MP3A	Z	-56.936	5.17
42	MP3A	Mx	.104	5.17
43	MP3B	X	-121.004	.17
44	MP3B	Z	-69.861	.17
45	MP3B	Mx	-.034	.17
46	MP3B	X	-121.004	5.17
47	MP3B	Z	-69.861	5.17
48	MP3B	Mx	-.034	5.17
49	MP3C	X	-98.616	.17
50	MP3C	Z	-56.936	.17
51	MP3C	Mx	-.028	.17
52	MP3C	X	-98.616	5.17
53	MP3C	Z	-56.936	5.17
54	MP3C	Mx	-.028	5.17
55	MP1A	X	-11.451	4.67
56	MP1A	Z	-6.611	4.67
57	MP1A	Mx	.004	4.67
58	MP1B	X	-23.042	4.67
59	MP1B	Z	-13.303	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1B	Mx	.004	4.67
61	MP1C	X	-11.451	4.67
62	MP1C	Z	-6.611	4.67
63	MP1C	Mx	-.004	4.67
64	MP1A	X	-41.393	.17
65	MP1A	Z	-23.898	.17
66	MP1A	Mx	.017	.17
67	MP1A	X	-41.393	2.17
68	MP1A	Z	-23.898	2.17
69	MP1A	Mx	.017	2.17
70	MP1B	X	-64.56	.17
71	MP1B	Z	-37.274	.17
72	MP1B	Mx	.016	.17
73	MP1B	X	-64.56	2.17
74	MP1B	Z	-37.274	2.17
75	MP1B	Mx	.016	2.17
76	MP1C	X	-41.393	.17
77	MP1C	Z	-23.898	.17
78	MP1C	Mx	-.017	.17
79	MP1C	X	-41.393	2.17
80	MP1C	Z	-23.898	2.17
81	MP1C	Mx	-.017	2.17
82	MP2A	X	-45.524	1
83	MP2A	Z	-26.283	1
84	MP2A	Mx	-.03	1
85	MP2B	X	-55.568	1
86	MP2B	Z	-32.082	1
87	MP2B	Mx	-.021	1
88	MP2C	X	-45.524	1
89	MP2C	Z	-26.283	1
90	MP2C	Mx	.03	1
91	MP3A	X	-39.752	1
92	MP3A	Z	-22.951	1
93	MP3A	Mx	-.027	1
94	MP3B	X	-53.644	1
95	MP3B	Z	-30.972	1
96	MP3B	Mx	-.021	1
97	MP3C	X	-39.752	1
98	MP3C	Z	-22.951	1
99	MP3C	Mx	.027	1
100	M100	X	-112.422	.25
101	M100	Z	-64.907	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-79.107	.17
2	MP4A	Z	-137.018	.17
3	MP4A	Mx	.053	.17
4	MP4A	X	-79.107	5.17
5	MP4A	Z	-137.018	5.17
6	MP4A	Mx	.053	5.17
7	MP4B	X	-64.657	.17
8	MP4B	Z	-111.989	.17
9	MP4B	Mx	.075	.17
10	MP4B	X	-64.657	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP4B	Z	-111.989	5.17
12	MP4B	Mx	.075	5.17
13	MP4C	X	-57.432	.17
14	MP4C	Z	-99.474	.17
15	MP4C	Mx	-.077	.17
16	MP4C	X	-57.432	5.17
17	MP4C	Z	-99.474	5.17
18	MP4C	Mx	-.077	5.17
19	MP3A	X	-69.861	.17
20	MP3A	Z	-121.004	.17
21	MP3A	Mx	-.034	.17
22	MP3A	X	-69.861	5.17
23	MP3A	Z	-121.004	5.17
24	MP3A	Mx	-.034	5.17
25	MP3B	X	-56.936	.17
26	MP3B	Z	-98.616	.17
27	MP3B	Mx	.104	.17
28	MP3B	X	-56.936	5.17
29	MP3B	Z	-98.616	5.17
30	MP3B	Mx	.104	5.17
31	MP3C	X	-50.474	.17
32	MP3C	Z	-87.423	.17
33	MP3C	Mx	-.067	.17
34	MP3C	X	-50.474	5.17
35	MP3C	Z	-87.423	5.17
36	MP3C	Mx	-.067	5.17
37	MP3A	X	-69.861	.17
38	MP3A	Z	-121.004	.17
39	MP3A	Mx	.127	.17
40	MP3A	X	-69.861	5.17
41	MP3A	Z	-121.004	5.17
42	MP3A	Mx	.127	5.17
43	MP3B	X	-56.936	.17
44	MP3B	Z	-98.616	.17
45	MP3B	Mx	.028	.17
46	MP3B	X	-56.936	5.17
47	MP3B	Z	-98.616	5.17
48	MP3B	Mx	.028	5.17
49	MP3C	X	-50.474	.17
50	MP3C	Z	-87.423	.17
51	MP3C	Mx	-.067	.17
52	MP3C	X	-50.474	5.17
53	MP3C	Z	-87.423	5.17
54	MP3C	Mx	-.067	5.17
55	MP1A	X	-13.303	4.67
56	MP1A	Z	-23.042	4.67
57	MP1A	Mx	.004	4.67
58	MP1B	X	-6.611	4.67
59	MP1B	Z	-11.451	4.67
60	MP1B	Mx	.004	4.67
61	MP1C	X	-3.265	4.67
62	MP1C	Z	-5.655	4.67
63	MP1C	Mx	-.002	4.67
64	MP1A	X	-37.274	.17
65	MP1A	Z	-64.56	.17
66	MP1A	Mx	.016	.17
67	MP1A	X	-37.274	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1A	Z	-64.56	2.17
69	MP1A	Mx	.016	2.17
70	MP1B	X	-23.898	.17
71	MP1B	Z	-41.393	.17
72	MP1B	Mx	.017	.17
73	MP1B	X	-23.898	2.17
74	MP1B	Z	-41.393	2.17
75	MP1B	Mx	.017	2.17
76	MP1C	X	-17.211	.17
77	MP1C	Z	-29.81	.17
78	MP1C	Mx	-.014	.17
79	MP1C	X	-17.211	2.17
80	MP1C	Z	-29.81	2.17
81	MP1C	Mx	-.014	2.17
82	MP2A	X	-32.082	1
83	MP2A	Z	-55.568	1
84	MP2A	Mx	-.021	1
85	MP2B	X	-26.283	1
86	MP2B	Z	-45.524	1
87	MP2B	Mx	-.03	1
88	MP2C	X	-23.384	1
89	MP2C	Z	-40.502	1
90	MP2C	Mx	.031	1
91	MP3A	X	-30.972	1
92	MP3A	Z	-53.644	1
93	MP3A	Mx	-.021	1
94	MP3B	X	-22.951	1
95	MP3B	Z	-39.752	1
96	MP3B	Mx	-.027	1
97	MP3C	X	-18.941	1
98	MP3C	Z	-32.806	1
99	MP3C	Mx	.025	1
100	M100	X	-70.899	.25
101	M100	Z	-122.801	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	.17
2	MP4A	Z	-35.526	.17
3	MP4A	Mx	0	.17
4	MP4A	X	0	5.17
5	MP4A	Z	-35.526	5.17
6	MP4A	Mx	0	5.17
7	MP4B	X	0	.17
8	MP4B	Z	-24.952	.17
9	MP4B	Mx	.017	.17
10	MP4B	X	0	5.17
11	MP4B	Z	-24.952	5.17
12	MP4B	Mx	.017	5.17
13	MP4C	X	0	.17
14	MP4C	Z	-27.596	.17
15	MP4C	Mx	-.016	.17
16	MP4C	X	0	5.17
17	MP4C	Z	-27.596	5.17
18	MP4C	Mx	-.016	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP3A	X	0	.17
20	MP3A	Z	-31.539	.17
21	MP3A	Mx	-.021	.17
22	MP3A	X	0	5.17
23	MP3A	Z	-31.539	5.17
24	MP3A	Mx	-.021	5.17
25	MP3B	X	0	.17
26	MP3B	Z	-22.124	.17
27	MP3B	Mx	.015	.17
28	MP3B	X	0	5.17
29	MP3B	Z	-22.124	5.17
30	MP3B	Mx	.015	5.17
31	MP3C	X	0	.17
32	MP3C	Z	-24.478	.17
33	MP3C	Mx	-.006	.17
34	MP3C	X	0	5.17
35	MP3C	Z	-24.478	5.17
36	MP3C	Mx	-.006	5.17
37	MP3A	X	0	.17
38	MP3A	Z	-31.539	.17
39	MP3A	Mx	.021	.17
40	MP3A	X	0	5.17
41	MP3A	Z	-31.539	5.17
42	MP3A	Mx	.021	5.17
43	MP3B	X	0	.17
44	MP3B	Z	-22.124	.17
45	MP3B	Mx	.015	.17
46	MP3B	X	0	5.17
47	MP3B	Z	-22.124	5.17
48	MP3B	Mx	.015	5.17
49	MP3C	X	0	.17
50	MP3C	Z	-24.478	.17
51	MP3C	Mx	-.022	.17
52	MP3C	X	0	5.17
53	MP3C	Z	-24.478	5.17
54	MP3C	Mx	-.022	5.17
55	MP1A	X	0	4.67
56	MP1A	Z	-8.622	4.67
57	MP1A	Mx	0	4.67
58	MP1B	X	0	4.67
59	MP1B	Z	-2.882	4.67
60	MP1B	Mx	.000961	4.67
61	MP1C	X	0	4.67
62	MP1C	Z	-4.317	4.67
63	MP1C	Mx	-.001	4.67
64	MP1A	X	0	.17
65	MP1A	Z	-18.768	.17
66	MP1A	Mx	0	.17
67	MP1A	X	0	2.17
68	MP1A	Z	-18.768	2.17
69	MP1A	Mx	0	2.17
70	MP1B	X	0	.17
71	MP1B	Z	-8.292	.17
72	MP1B	Mx	.003	.17
73	MP1B	X	0	2.17
74	MP1B	Z	-8.292	2.17
75	MP1B	Mx	.003	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1C	X	0	.17
77	MP1C	Z	-10.911	.17
78	MP1C	Mx	-.004	.17
79	MP1C	X	0	2.17
80	MP1C	Z	-10.911	2.17
81	MP1C	Mx	-.004	2.17
82	MP2A	X	0	1
83	MP2A	Z	-16.201	1
84	MP2A	Mx	0	1
85	MP2B	X	0	1
86	MP2B	Z	-11.462	1
87	MP2B	Mx	-.008	1
88	MP2C	X	0	1
89	MP2C	Z	-12.647	1
90	MP2C	Mx	.007	1
91	MP3A	X	0	1
92	MP3A	Z	-16.201	1
93	MP3A	Mx	0	1
94	MP3B	X	0	1
95	MP3B	Z	-9.661	1
96	MP3B	Mx	-.006	1
97	MP3C	X	0	1
98	MP3C	Z	-11.296	1
99	MP3C	Mx	.007	1
100	M100	X	0	.25
101	M100	Z	-28.256	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	16.441	.17
2	MP4A	Z	-28.477	.17
3	MP4A	Mx	-.011	.17
4	MP4A	X	16.441	5.17
5	MP4A	Z	-28.477	5.17
6	MP4A	Mx	-.011	5.17
7	MP4B	X	13.798	.17
8	MP4B	Z	-23.898	.17
9	MP4B	Mx	.016	.17
10	MP4B	X	13.798	5.17
11	MP4B	Z	-23.898	5.17
12	MP4B	Mx	.016	5.17
13	MP4C	X	16.441	.17
14	MP4C	Z	-28.477	.17
15	MP4C	Mx	-.011	.17
16	MP4C	X	16.441	5.17
17	MP4C	Z	-28.477	5.17
18	MP4C	Mx	-.011	5.17
19	MP3A	X	14.593	.17
20	MP3A	Z	-25.275	.17
21	MP3A	Mx	-.027	.17
22	MP3A	X	14.593	5.17
23	MP3A	Z	-25.275	5.17
24	MP3A	Mx	-.027	5.17
25	MP3B	X	12.239	.17
26	MP3B	Z	-21.198	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP3B	Mx	.006	.17
28	MP3B	X	12.239	5.17
29	MP3B	Z	-21.198	5.17
30	MP3B	Mx	.006	5.17
31	MP3C	X	14.593	.17
32	MP3C	Z	-25.275	.17
33	MP3C	Mx	.007	.17
34	MP3C	X	14.593	5.17
35	MP3C	Z	-25.275	5.17
36	MP3C	Mx	.007	5.17
37	MP3A	X	14.593	.17
38	MP3A	Z	-25.275	.17
39	MP3A	Mx	.007	.17
40	MP3A	X	14.593	5.17
41	MP3A	Z	-25.275	5.17
42	MP3A	Mx	.007	5.17
43	MP3B	X	12.239	.17
44	MP3B	Z	-21.198	.17
45	MP3B	Mx	.022	.17
46	MP3B	X	12.239	5.17
47	MP3B	Z	-21.198	5.17
48	MP3B	Mx	.022	5.17
49	MP3C	X	14.593	.17
50	MP3C	Z	-25.275	.17
51	MP3C	Mx	-.027	.17
52	MP3C	X	14.593	5.17
53	MP3C	Z	-25.275	5.17
54	MP3C	Mx	-.027	5.17
55	MP1A	X	3.594	4.67
56	MP1A	Z	-6.224	4.67
57	MP1A	Mx	-.001	4.67
58	MP1B	X	2.159	4.67
59	MP1B	Z	-3.739	4.67
60	MP1B	Mx	.001	4.67
61	MP1C	X	3.594	4.67
62	MP1C	Z	-6.224	4.67
63	MP1C	Mx	-.001	4.67
64	MP1A	X	8.074	.17
65	MP1A	Z	-13.985	.17
66	MP1A	Mx	-.003	.17
67	MP1A	X	8.074	2.17
68	MP1A	Z	-13.985	2.17
69	MP1A	Mx	-.003	2.17
70	MP1B	X	5.455	.17
71	MP1B	Z	-9.449	.17
72	MP1B	Mx	.004	.17
73	MP1B	X	5.455	2.17
74	MP1B	Z	-9.449	2.17
75	MP1B	Mx	.004	2.17
76	MP1C	X	8.074	.17
77	MP1C	Z	-13.985	.17
78	MP1C	Mx	-.003	.17
79	MP1C	X	8.074	2.17
80	MP1C	Z	-13.985	2.17
81	MP1C	Mx	-.003	2.17
82	MP2A	X	7.508	1
83	MP2A	Z	-13.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP2A	Mx	.005	1
85	MP2B	X	6.323	1
86	MP2B	Z	-10.952	1
87	MP2B	Mx	-.007	1
88	MP2C	X	7.508	1
89	MP2C	Z	-13.005	1
90	MP2C	Mx	.005	1
91	MP3A	X	7.283	1
92	MP3A	Z	-12.615	1
93	MP3A	Mx	.005	1
94	MP3B	X	5.648	1
95	MP3B	Z	-9.782	1
96	MP3B	Mx	-.007	1
97	MP3C	X	7.283	1
98	MP3C	Z	-12.615	1
99	MP3C	Mx	.005	1
100	M100	X	11.798	.25
101	M100	Z	-20.434	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	23.898	.17
2	MP4A	Z	-13.798	.17
3	MP4A	Mx	-.016	.17
4	MP4A	X	23.898	5.17
5	MP4A	Z	-13.798	5.17
6	MP4A	Mx	-.016	5.17
7	MP4B	X	28.477	.17
8	MP4B	Z	-16.441	.17
9	MP4B	Mx	.011	.17
10	MP4B	X	28.477	5.17
11	MP4B	Z	-16.441	5.17
12	MP4B	Mx	.011	5.17
13	MP4C	X	30.766	.17
14	MP4C	Z	-17.763	.17
15	MP4C	Mx	0	.17
16	MP4C	X	30.766	5.17
17	MP4C	Z	-17.763	5.17
18	MP4C	Mx	0	5.17
19	MP3A	X	21.198	.17
20	MP3A	Z	-12.239	.17
21	MP3A	Mx	-.022	.17
22	MP3A	X	21.198	5.17
23	MP3A	Z	-12.239	5.17
24	MP3A	Mx	-.022	5.17
25	MP3B	X	25.275	.17
26	MP3B	Z	-14.593	.17
27	MP3B	Mx	-.007	.17
28	MP3B	X	25.275	5.17
29	MP3B	Z	-14.593	5.17
30	MP3B	Mx	-.007	5.17
31	MP3C	X	27.314	.17
32	MP3C	Z	-15.77	.17
33	MP3C	Mx	.021	.17
34	MP3C	X	27.314	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	-15.77	5.17
36	MP3C	Mx	.021	5.17
37	MP3A	X	21.198	.17
38	MP3A	Z	-12.239	.17
39	MP3A	Mx	-.006	.17
40	MP3A	X	21.198	5.17
41	MP3A	Z	-12.239	5.17
42	MP3A	Mx	-.006	5.17
43	MP3B	X	25.275	.17
44	MP3B	Z	-14.593	.17
45	MP3B	Mx	.027	.17
46	MP3B	X	25.275	5.17
47	MP3B	Z	-14.593	5.17
48	MP3B	Mx	.027	5.17
49	MP3C	X	27.314	.17
50	MP3C	Z	-15.77	.17
51	MP3C	Mx	-.021	.17
52	MP3C	X	27.314	5.17
53	MP3C	Z	-15.77	5.17
54	MP3C	Mx	-.021	5.17
55	MP1A	X	3.739	4.67
56	MP1A	Z	-2.159	4.67
57	MP1A	Mx	-.001	4.67
58	MP1B	X	6.224	4.67
59	MP1B	Z	-3.594	4.67
60	MP1B	Mx	.001	4.67
61	MP1C	X	7.467	4.67
62	MP1C	Z	-4.311	4.67
63	MP1C	Mx	0	4.67
64	MP1A	X	9.449	.17
65	MP1A	Z	-5.455	.17
66	MP1A	Mx	-.004	.17
67	MP1A	X	9.449	2.17
68	MP1A	Z	-5.455	2.17
69	MP1A	Mx	-.004	2.17
70	MP1B	X	13.985	.17
71	MP1B	Z	-8.074	.17
72	MP1B	Mx	.003	.17
73	MP1B	X	13.985	2.17
74	MP1B	Z	-8.074	2.17
75	MP1B	Mx	.003	2.17
76	MP1C	X	16.253	.17
77	MP1C	Z	-9.384	.17
78	MP1C	Mx	0	.17
79	MP1C	X	16.253	2.17
80	MP1C	Z	-9.384	2.17
81	MP1C	Mx	0	2.17
82	MP2A	X	10.952	1
83	MP2A	Z	-6.323	1
84	MP2A	Mx	.007	1
85	MP2B	X	13.005	1
86	MP2B	Z	-7.508	1
87	MP2B	Mx	-.005	1
88	MP2C	X	14.031	1
89	MP2C	Z	-8.101	1
90	MP2C	Mx	0	1
91	MP3A	X	9.782	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP3A	Z	-5.648	1
93	MP3A	Mx	.007	1
94	MP3B	X	12.615	1
95	MP3B	Z	-7.283	1
96	MP3B	Mx	-.005	1
97	MP3C	X	14.031	1
98	MP3C	Z	-8.101	1
99	MP3C	Mx	0	1
100	M100	X	18.416	.25
101	M100	Z	-10.633	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	24.952	.17
2	MP4A	Z	0	.17
3	MP4A	Mx	-.017	.17
4	MP4A	X	24.952	5.17
5	MP4A	Z	0	5.17
6	MP4A	Mx	-.017	5.17
7	MP4B	X	35.526	.17
8	MP4B	Z	0	.17
9	MP4B	Mx	0	.17
10	MP4B	X	35.526	5.17
11	MP4B	Z	0	5.17
12	MP4B	Mx	0	5.17
13	MP4C	X	32.883	.17
14	MP4C	Z	0	.17
15	MP4C	Mx	.011	.17
16	MP4C	X	32.883	5.17
17	MP4C	Z	0	5.17
18	MP4C	Mx	.011	5.17
19	MP3A	X	22.124	.17
20	MP3A	Z	0	.17
21	MP3A	Mx	-.015	.17
22	MP3A	X	22.124	5.17
23	MP3A	Z	0	5.17
24	MP3A	Mx	-.015	5.17
25	MP3B	X	31.539	.17
26	MP3B	Z	0	.17
27	MP3B	Mx	-.021	.17
28	MP3B	X	31.539	5.17
29	MP3B	Z	0	5.17
30	MP3B	Mx	-.021	5.17
31	MP3C	X	29.185	.17
32	MP3C	Z	0	.17
33	MP3C	Mx	.027	.17
34	MP3C	X	29.185	5.17
35	MP3C	Z	0	5.17
36	MP3C	Mx	.027	5.17
37	MP3A	X	22.124	.17
38	MP3A	Z	0	.17
39	MP3A	Mx	-.015	.17
40	MP3A	X	22.124	5.17
41	MP3A	Z	0	5.17
42	MP3A	Mx	-.015	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	31.539	.17
44	MP3B	Z	0	.17
45	MP3B	Mx	.021	.17
46	MP3B	X	31.539	5.17
47	MP3B	Z	0	5.17
48	MP3B	Mx	.021	5.17
49	MP3C	X	29.185	.17
50	MP3C	Z	0	.17
51	MP3C	Mx	-.007	.17
52	MP3C	X	29.185	5.17
53	MP3C	Z	0	5.17
54	MP3C	Mx	-.007	5.17
55	MP1A	X	2.882	4.67
56	MP1A	Z	0	4.67
57	MP1A	Mx	-.000961	4.67
58	MP1B	X	8.622	4.67
59	MP1B	Z	0	4.67
60	MP1B	Mx	0	4.67
61	MP1C	X	7.187	4.67
62	MP1C	Z	0	4.67
63	MP1C	Mx	.001	4.67
64	MP1A	X	8.292	.17
65	MP1A	Z	0	.17
66	MP1A	Mx	-.003	.17
67	MP1A	X	8.292	2.17
68	MP1A	Z	0	2.17
69	MP1A	Mx	-.003	2.17
70	MP1B	X	18.768	.17
71	MP1B	Z	0	.17
72	MP1B	Mx	0	.17
73	MP1B	X	18.768	2.17
74	MP1B	Z	0	2.17
75	MP1B	Mx	0	2.17
76	MP1C	X	16.149	.17
77	MP1C	Z	0	.17
78	MP1C	Mx	.003	.17
79	MP1C	X	16.149	2.17
80	MP1C	Z	0	2.17
81	MP1C	Mx	.003	2.17
82	MP2A	X	11.462	1
83	MP2A	Z	0	1
84	MP2A	Mx	.008	1
85	MP2B	X	16.201	1
86	MP2B	Z	0	1
87	MP2B	Mx	0	1
88	MP2C	X	15.016	1
89	MP2C	Z	0	1
90	MP2C	Mx	-.005	1
91	MP3A	X	9.661	1
92	MP3A	Z	0	1
93	MP3A	Mx	.006	1
94	MP3B	X	16.201	1
95	MP3B	Z	0	1
96	MP3B	Mx	0	1
97	MP3C	X	14.566	1
98	MP3C	Z	0	1
99	MP3C	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	M100	X	23.595	.25
101	M100	Z	0	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	23.898	.17
2	MP4A	Z	13.798	.17
3	MP4A	Mx	-.016	.17
4	MP4A	X	23.898	5.17
5	MP4A	Z	13.798	5.17
6	MP4A	Mx	-.016	5.17
7	MP4B	X	28.477	.17
8	MP4B	Z	16.441	.17
9	MP4B	Mx	-.011	.17
10	MP4B	X	28.477	5.17
11	MP4B	Z	16.441	5.17
12	MP4B	Mx	-.011	5.17
13	MP4C	X	23.898	.17
14	MP4C	Z	13.798	.17
15	MP4C	Mx	.016	.17
16	MP4C	X	23.898	5.17
17	MP4C	Z	13.798	5.17
18	MP4C	Mx	.016	5.17
19	MP3A	X	21.198	.17
20	MP3A	Z	12.239	.17
21	MP3A	Mx	-.006	.17
22	MP3A	X	21.198	5.17
23	MP3A	Z	12.239	5.17
24	MP3A	Mx	-.006	5.17
25	MP3B	X	25.275	.17
26	MP3B	Z	14.593	.17
27	MP3B	Mx	-.027	.17
28	MP3B	X	25.275	5.17
29	MP3B	Z	14.593	5.17
30	MP3B	Mx	-.027	5.17
31	MP3C	X	21.198	.17
32	MP3C	Z	12.239	.17
33	MP3C	Mx	.022	.17
34	MP3C	X	21.198	5.17
35	MP3C	Z	12.239	5.17
36	MP3C	Mx	.022	5.17
37	MP3A	X	21.198	.17
38	MP3A	Z	12.239	.17
39	MP3A	Mx	-.022	.17
40	MP3A	X	21.198	5.17
41	MP3A	Z	12.239	5.17
42	MP3A	Mx	-.022	5.17
43	MP3B	X	25.275	.17
44	MP3B	Z	14.593	.17
45	MP3B	Mx	.007	.17
46	MP3B	X	25.275	5.17
47	MP3B	Z	14.593	5.17
48	MP3B	Mx	.007	5.17
49	MP3C	X	21.198	.17
50	MP3C	Z	12.239	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP3C	Mx	.006	.17
52	MP3C	X	21.198	5.17
53	MP3C	Z	12.239	5.17
54	MP3C	Mx	.006	5.17
55	MP1A	X	3.739	4.67
56	MP1A	Z	2.159	4.67
57	MP1A	Mx	-.001	4.67
58	MP1B	X	6.224	4.67
59	MP1B	Z	3.594	4.67
60	MP1B	Mx	-.001	4.67
61	MP1C	X	3.739	4.67
62	MP1C	Z	2.159	4.67
63	MP1C	Mx	.001	4.67
64	MP1A	X	9.449	.17
65	MP1A	Z	5.455	.17
66	MP1A	Mx	-.004	.17
67	MP1A	X	9.449	2.17
68	MP1A	Z	5.455	2.17
69	MP1A	Mx	-.004	2.17
70	MP1B	X	13.985	.17
71	MP1B	Z	8.074	.17
72	MP1B	Mx	-.003	.17
73	MP1B	X	13.985	2.17
74	MP1B	Z	8.074	2.17
75	MP1B	Mx	-.003	2.17
76	MP1C	X	9.449	.17
77	MP1C	Z	5.455	.17
78	MP1C	Mx	.004	.17
79	MP1C	X	9.449	2.17
80	MP1C	Z	5.455	2.17
81	MP1C	Mx	.004	2.17
82	MP2A	X	10.952	1
83	MP2A	Z	6.323	1
84	MP2A	Mx	.007	1
85	MP2B	X	13.005	1
86	MP2B	Z	7.508	1
87	MP2B	Mx	.005	1
88	MP2C	X	10.952	1
89	MP2C	Z	6.323	1
90	MP2C	Mx	-.007	1
91	MP3A	X	9.782	1
92	MP3A	Z	5.648	1
93	MP3A	Mx	.007	1
94	MP3B	X	12.615	1
95	MP3B	Z	7.283	1
96	MP3B	Mx	.005	1
97	MP3C	X	9.782	1
98	MP3C	Z	5.648	1
99	MP3C	Mx	-.007	1
100	M100	X	24.47	.25
101	M100	Z	14.128	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	16.441	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP4A	Z	28.477	.17
3	MP4A	Mx	-.011	.17
4	MP4A	X	16.441	5.17
5	MP4A	Z	28.477	5.17
6	MP4A	Mx	-.011	5.17
7	MP4B	X	13.798	.17
8	MP4B	Z	23.898	.17
9	MP4B	Mx	-.016	.17
10	MP4B	X	13.798	5.17
11	MP4B	Z	23.898	5.17
12	MP4B	Mx	-.016	5.17
13	MP4C	X	12.476	.17
14	MP4C	Z	21.609	.17
15	MP4C	Mx	.017	.17
16	MP4C	X	12.476	5.17
17	MP4C	Z	21.609	5.17
18	MP4C	Mx	.017	5.17
19	MP3A	X	14.593	.17
20	MP3A	Z	25.275	.17
21	MP3A	Mx	.007	.17
22	MP3A	X	14.593	5.17
23	MP3A	Z	25.275	5.17
24	MP3A	Mx	.007	5.17
25	MP3B	X	12.239	.17
26	MP3B	Z	21.198	.17
27	MP3B	Mx	-.022	.17
28	MP3B	X	12.239	5.17
29	MP3B	Z	21.198	5.17
30	MP3B	Mx	-.022	5.17
31	MP3C	X	11.062	.17
32	MP3C	Z	19.16	.17
33	MP3C	Mx	.015	.17
34	MP3C	X	11.062	5.17
35	MP3C	Z	19.16	5.17
36	MP3C	Mx	.015	5.17
37	MP3A	X	14.593	.17
38	MP3A	Z	25.275	.17
39	MP3A	Mx	-.027	.17
40	MP3A	X	14.593	5.17
41	MP3A	Z	25.275	5.17
42	MP3A	Mx	-.027	5.17
43	MP3B	X	12.239	.17
44	MP3B	Z	21.198	.17
45	MP3B	Mx	-.006	.17
46	MP3B	X	12.239	5.17
47	MP3B	Z	21.198	5.17
48	MP3B	Mx	-.006	5.17
49	MP3C	X	11.062	.17
50	MP3C	Z	19.16	.17
51	MP3C	Mx	.015	.17
52	MP3C	X	11.062	5.17
53	MP3C	Z	19.16	5.17
54	MP3C	Mx	.015	5.17
55	MP1A	X	3.594	4.67
56	MP1A	Z	6.224	4.67
57	MP1A	Mx	-.001	4.67
58	MP1B	X	2.159	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP1B	Z	3.739	4.67
60	MP1B	Mx	-.001	4.67
61	MP1C	X	1.441	4.67
62	MP1C	Z	2.496	4.67
63	MP1C	Mx	.000961	4.67
64	MP1A	X	8.074	.17
65	MP1A	Z	13.985	.17
66	MP1A	Mx	-.003	.17
67	MP1A	X	8.074	2.17
68	MP1A	Z	13.985	2.17
69	MP1A	Mx	-.003	2.17
70	MP1B	X	5.455	.17
71	MP1B	Z	9.449	.17
72	MP1B	Mx	-.004	.17
73	MP1B	X	5.455	2.17
74	MP1B	Z	9.449	2.17
75	MP1B	Mx	-.004	2.17
76	MP1C	X	4.146	.17
77	MP1C	Z	7.181	.17
78	MP1C	Mx	.003	.17
79	MP1C	X	4.146	2.17
80	MP1C	Z	7.181	2.17
81	MP1C	Mx	.003	2.17
82	MP2A	X	7.508	1
83	MP2A	Z	13.005	1
84	MP2A	Mx	.005	1
85	MP2B	X	6.323	1
86	MP2B	Z	10.952	1
87	MP2B	Mx	.007	1
88	MP2C	X	5.731	1
89	MP2C	Z	9.926	1
90	MP2C	Mx	-.008	1
91	MP3A	X	7.283	1
92	MP3A	Z	12.615	1
93	MP3A	Mx	.005	1
94	MP3B	X	5.648	1
95	MP3B	Z	9.782	1
96	MP3B	Mx	.007	1
97	MP3C	X	4.83	1
98	MP3C	Z	8.366	1
99	MP3C	Mx	-.006	1
100	M100	X	15.293	.25
101	M100	Z	26.488	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	.17
2	MP4A	Z	35.526	.17
3	MP4A	Mx	0	.17
4	MP4A	X	0	5.17
5	MP4A	Z	35.526	5.17
6	MP4A	Mx	0	5.17
7	MP4B	X	0	.17
8	MP4B	Z	24.952	.17
9	MP4B	Mx	-.017	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP4B	X	0	5.17
11	MP4B	Z	24.952	5.17
12	MP4B	Mx	-.017	5.17
13	MP4C	X	0	.17
14	MP4C	Z	27.596	.17
15	MP4C	Mx	.016	.17
16	MP4C	X	0	5.17
17	MP4C	Z	27.596	5.17
18	MP4C	Mx	.016	5.17
19	MP3A	X	0	.17
20	MP3A	Z	31.539	.17
21	MP3A	Mx	.021	.17
22	MP3A	X	0	5.17
23	MP3A	Z	31.539	5.17
24	MP3A	Mx	.021	5.17
25	MP3B	X	0	.17
26	MP3B	Z	22.124	.17
27	MP3B	Mx	-.015	.17
28	MP3B	X	0	5.17
29	MP3B	Z	22.124	5.17
30	MP3B	Mx	-.015	5.17
31	MP3C	X	0	.17
32	MP3C	Z	24.478	.17
33	MP3C	Mx	.006	.17
34	MP3C	X	0	5.17
35	MP3C	Z	24.478	5.17
36	MP3C	Mx	.006	5.17
37	MP3A	X	0	.17
38	MP3A	Z	31.539	.17
39	MP3A	Mx	-.021	.17
40	MP3A	X	0	5.17
41	MP3A	Z	31.539	5.17
42	MP3A	Mx	-.021	5.17
43	MP3B	X	0	.17
44	MP3B	Z	22.124	.17
45	MP3B	Mx	-.015	.17
46	MP3B	X	0	5.17
47	MP3B	Z	22.124	5.17
48	MP3B	Mx	-.015	5.17
49	MP3C	X	0	.17
50	MP3C	Z	24.478	.17
51	MP3C	Mx	.022	.17
52	MP3C	X	0	5.17
53	MP3C	Z	24.478	5.17
54	MP3C	Mx	.022	5.17
55	MP1A	X	0	4.67
56	MP1A	Z	8.622	4.67
57	MP1A	Mx	0	4.67
58	MP1B	X	0	4.67
59	MP1B	Z	2.882	4.67
60	MP1B	Mx	-.000961	4.67
61	MP1C	X	0	4.67
62	MP1C	Z	4.317	4.67
63	MP1C	Mx	.001	4.67
64	MP1A	X	0	.17
65	MP1A	Z	18.768	.17
66	MP1A	Mx	0	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1A	X	0	2.17
68	MP1A	Z	18.768	2.17
69	MP1A	Mx	0	2.17
70	MP1B	X	0	.17
71	MP1B	Z	8.292	.17
72	MP1B	Mx	-.003	.17
73	MP1B	X	0	2.17
74	MP1B	Z	8.292	2.17
75	MP1B	Mx	-.003	2.17
76	MP1C	X	0	.17
77	MP1C	Z	10.911	.17
78	MP1C	Mx	.004	.17
79	MP1C	X	0	2.17
80	MP1C	Z	10.911	2.17
81	MP1C	Mx	.004	2.17
82	MP2A	X	0	1
83	MP2A	Z	16.201	1
84	MP2A	Mx	0	1
85	MP2B	X	0	1
86	MP2B	Z	11.462	1
87	MP2B	Mx	.008	1
88	MP2C	X	0	1
89	MP2C	Z	12.647	1
90	MP2C	Mx	-.007	1
91	MP3A	X	0	1
92	MP3A	Z	16.201	1
93	MP3A	Mx	0	1
94	MP3B	X	0	1
95	MP3B	Z	9.661	1
96	MP3B	Mx	.006	1
97	MP3C	X	0	1
98	MP3C	Z	11.296	1
99	MP3C	Mx	-.007	1
100	M100	X	0	.25
101	M100	Z	28.256	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-16.441	.17
2	MP4A	Z	28.477	.17
3	MP4A	Mx	.011	.17
4	MP4A	X	-16.441	5.17
5	MP4A	Z	28.477	5.17
6	MP4A	Mx	.011	5.17
7	MP4B	X	-13.798	.17
8	MP4B	Z	23.898	.17
9	MP4B	Mx	-.016	.17
10	MP4B	X	-13.798	5.17
11	MP4B	Z	23.898	5.17
12	MP4B	Mx	-.016	5.17
13	MP4C	X	-16.441	.17
14	MP4C	Z	28.477	.17
15	MP4C	Mx	.011	.17
16	MP4C	X	-16.441	5.17
17	MP4C	Z	28.477	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	.011	5.17
19	MP3A	X	-14.593	.17
20	MP3A	Z	25.275	.17
21	MP3A	Mx	.027	.17
22	MP3A	X	-14.593	5.17
23	MP3A	Z	25.275	5.17
24	MP3A	Mx	.027	5.17
25	MP3B	X	-12.239	.17
26	MP3B	Z	21.198	.17
27	MP3B	Mx	-.006	.17
28	MP3B	X	-12.239	5.17
29	MP3B	Z	21.198	5.17
30	MP3B	Mx	-.006	5.17
31	MP3C	X	-14.593	.17
32	MP3C	Z	25.275	.17
33	MP3C	Mx	-.007	.17
34	MP3C	X	-14.593	5.17
35	MP3C	Z	25.275	5.17
36	MP3C	Mx	-.007	5.17
37	MP3A	X	-14.593	.17
38	MP3A	Z	25.275	.17
39	MP3A	Mx	-.007	.17
40	MP3A	X	-14.593	5.17
41	MP3A	Z	25.275	5.17
42	MP3A	Mx	-.007	5.17
43	MP3B	X	-12.239	.17
44	MP3B	Z	21.198	.17
45	MP3B	Mx	-.022	.17
46	MP3B	X	-12.239	5.17
47	MP3B	Z	21.198	5.17
48	MP3B	Mx	-.022	5.17
49	MP3C	X	-14.593	.17
50	MP3C	Z	25.275	.17
51	MP3C	Mx	.027	.17
52	MP3C	X	-14.593	5.17
53	MP3C	Z	25.275	5.17
54	MP3C	Mx	.027	5.17
55	MP1A	X	-3.594	4.67
56	MP1A	Z	6.224	4.67
57	MP1A	Mx	.001	4.67
58	MP1B	X	-2.159	4.67
59	MP1B	Z	3.739	4.67
60	MP1B	Mx	-.001	4.67
61	MP1C	X	-3.594	4.67
62	MP1C	Z	6.224	4.67
63	MP1C	Mx	.001	4.67
64	MP1A	X	-8.074	.17
65	MP1A	Z	13.985	.17
66	MP1A	Mx	.003	.17
67	MP1A	X	-8.074	2.17
68	MP1A	Z	13.985	2.17
69	MP1A	Mx	.003	2.17
70	MP1B	X	-5.455	.17
71	MP1B	Z	9.449	.17
72	MP1B	Mx	-.004	.17
73	MP1B	X	-5.455	2.17
74	MP1B	Z	9.449	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP1B	Mx	-.004	2.17
76	MP1C	X	-8.074	.17
77	MP1C	Z	13.985	.17
78	MP1C	Mx	.003	.17
79	MP1C	X	-8.074	2.17
80	MP1C	Z	13.985	2.17
81	MP1C	Mx	.003	2.17
82	MP2A	X	-7.508	1
83	MP2A	Z	13.005	1
84	MP2A	Mx	-.005	1
85	MP2B	X	-6.323	1
86	MP2B	Z	10.952	1
87	MP2B	Mx	.007	1
88	MP2C	X	-7.508	1
89	MP2C	Z	13.005	1
90	MP2C	Mx	-.005	1
91	MP3A	X	-7.283	1
92	MP3A	Z	12.615	1
93	MP3A	Mx	-.005	1
94	MP3B	X	-5.648	1
95	MP3B	Z	9.782	1
96	MP3B	Mx	.007	1
97	MP3C	X	-7.283	1
98	MP3C	Z	12.615	1
99	MP3C	Mx	-.005	1
100	M100	X	-11.798	.25
101	M100	Z	20.434	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-23.898	.17
2	MP4A	Z	13.798	.17
3	MP4A	Mx	.016	.17
4	MP4A	X	-23.898	5.17
5	MP4A	Z	13.798	5.17
6	MP4A	Mx	.016	5.17
7	MP4B	X	-28.477	.17
8	MP4B	Z	16.441	.17
9	MP4B	Mx	-.011	.17
10	MP4B	X	-28.477	5.17
11	MP4B	Z	16.441	5.17
12	MP4B	Mx	-.011	5.17
13	MP4C	X	-30.766	.17
14	MP4C	Z	17.763	.17
15	MP4C	Mx	0	.17
16	MP4C	X	-30.766	5.17
17	MP4C	Z	17.763	5.17
18	MP4C	Mx	0	5.17
19	MP3A	X	-21.198	.17
20	MP3A	Z	12.239	.17
21	MP3A	Mx	.022	.17
22	MP3A	X	-21.198	5.17
23	MP3A	Z	12.239	5.17
24	MP3A	Mx	.022	5.17
25	MP3B	X	-25.275	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP3B	Z	14.593	.17
27	MP3B	Mx	.007	.17
28	MP3B	X	-25.275	5.17
29	MP3B	Z	14.593	5.17
30	MP3B	Mx	.007	5.17
31	MP3C	X	-27.314	.17
32	MP3C	Z	15.77	.17
33	MP3C	Mx	-.021	.17
34	MP3C	X	-27.314	5.17
35	MP3C	Z	15.77	5.17
36	MP3C	Mx	-.021	5.17
37	MP3A	X	-21.198	.17
38	MP3A	Z	12.239	.17
39	MP3A	Mx	.006	.17
40	MP3A	X	-21.198	5.17
41	MP3A	Z	12.239	5.17
42	MP3A	Mx	.006	5.17
43	MP3B	X	-25.275	.17
44	MP3B	Z	14.593	.17
45	MP3B	Mx	-.027	.17
46	MP3B	X	-25.275	5.17
47	MP3B	Z	14.593	5.17
48	MP3B	Mx	-.027	5.17
49	MP3C	X	-27.314	.17
50	MP3C	Z	15.77	.17
51	MP3C	Mx	.021	.17
52	MP3C	X	-27.314	5.17
53	MP3C	Z	15.77	5.17
54	MP3C	Mx	.021	5.17
55	MP1A	X	-3.739	4.67
56	MP1A	Z	2.159	4.67
57	MP1A	Mx	.001	4.67
58	MP1B	X	-6.224	4.67
59	MP1B	Z	3.594	4.67
60	MP1B	Mx	-.001	4.67
61	MP1C	X	-7.467	4.67
62	MP1C	Z	4.311	4.67
63	MP1C	Mx	0	4.67
64	MP1A	X	-9.449	.17
65	MP1A	Z	5.455	.17
66	MP1A	Mx	.004	.17
67	MP1A	X	-9.449	2.17
68	MP1A	Z	5.455	2.17
69	MP1A	Mx	.004	2.17
70	MP1B	X	-13.985	.17
71	MP1B	Z	8.074	.17
72	MP1B	Mx	-.003	.17
73	MP1B	X	-13.985	2.17
74	MP1B	Z	8.074	2.17
75	MP1B	Mx	-.003	2.17
76	MP1C	X	-16.253	.17
77	MP1C	Z	9.384	.17
78	MP1C	Mx	0	.17
79	MP1C	X	-16.253	2.17
80	MP1C	Z	9.384	2.17
81	MP1C	Mx	0	2.17
82	MP2A	X	-10.952	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP2A	Z	6.323	1
84	MP2A	Mx	-.007	1
85	MP2B	X	-13.005	1
86	MP2B	Z	7.508	1
87	MP2B	Mx	.005	1
88	MP2C	X	-14.031	1
89	MP2C	Z	8.101	1
90	MP2C	Mx	0	1
91	MP3A	X	-9.782	1
92	MP3A	Z	5.648	1
93	MP3A	Mx	-.007	1
94	MP3B	X	-12.615	1
95	MP3B	Z	7.283	1
96	MP3B	Mx	.005	1
97	MP3C	X	-14.031	1
98	MP3C	Z	8.101	1
99	MP3C	Mx	0	1
100	M100	X	-18.416	.25
101	M100	Z	10.633	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-24.952	.17
2	MP4A	Z	0	.17
3	MP4A	Mx	.017	.17
4	MP4A	X	-24.952	5.17
5	MP4A	Z	0	5.17
6	MP4A	Mx	.017	5.17
7	MP4B	X	-35.526	.17
8	MP4B	Z	0	.17
9	MP4B	Mx	0	.17
10	MP4B	X	-35.526	5.17
11	MP4B	Z	0	5.17
12	MP4B	Mx	0	5.17
13	MP4C	X	-32.883	.17
14	MP4C	Z	0	.17
15	MP4C	Mx	-.011	.17
16	MP4C	X	-32.883	5.17
17	MP4C	Z	0	5.17
18	MP4C	Mx	-.011	5.17
19	MP3A	X	-22.124	.17
20	MP3A	Z	0	.17
21	MP3A	Mx	.015	.17
22	MP3A	X	-22.124	5.17
23	MP3A	Z	0	5.17
24	MP3A	Mx	.015	5.17
25	MP3B	X	-31.539	.17
26	MP3B	Z	0	.17
27	MP3B	Mx	.021	.17
28	MP3B	X	-31.539	5.17
29	MP3B	Z	0	5.17
30	MP3B	Mx	.021	5.17
31	MP3C	X	-29.185	.17
32	MP3C	Z	0	.17
33	MP3C	Mx	-.027	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	-29.185	5.17
35	MP3C	Z	0	5.17
36	MP3C	Mx	-.027	5.17
37	MP3A	X	-22.124	.17
38	MP3A	Z	0	.17
39	MP3A	Mx	.015	.17
40	MP3A	X	-22.124	5.17
41	MP3A	Z	0	5.17
42	MP3A	Mx	.015	5.17
43	MP3B	X	-31.539	.17
44	MP3B	Z	0	.17
45	MP3B	Mx	-.021	.17
46	MP3B	X	-31.539	5.17
47	MP3B	Z	0	5.17
48	MP3B	Mx	-.021	5.17
49	MP3C	X	-29.185	.17
50	MP3C	Z	0	.17
51	MP3C	Mx	.007	.17
52	MP3C	X	-29.185	5.17
53	MP3C	Z	0	5.17
54	MP3C	Mx	.007	5.17
55	MP1A	X	-2.882	4.67
56	MP1A	Z	0	4.67
57	MP1A	Mx	.000961	4.67
58	MP1B	X	-8.622	4.67
59	MP1B	Z	0	4.67
60	MP1B	Mx	0	4.67
61	MP1C	X	-7.187	4.67
62	MP1C	Z	0	4.67
63	MP1C	Mx	-.001	4.67
64	MP1A	X	-8.292	.17
65	MP1A	Z	0	.17
66	MP1A	Mx	.003	.17
67	MP1A	X	-8.292	2.17
68	MP1A	Z	0	2.17
69	MP1A	Mx	.003	2.17
70	MP1B	X	-18.768	.17
71	MP1B	Z	0	.17
72	MP1B	Mx	0	.17
73	MP1B	X	-18.768	2.17
74	MP1B	Z	0	2.17
75	MP1B	Mx	0	2.17
76	MP1C	X	-16.149	.17
77	MP1C	Z	0	.17
78	MP1C	Mx	-.003	.17
79	MP1C	X	-16.149	2.17
80	MP1C	Z	0	2.17
81	MP1C	Mx	-.003	2.17
82	MP2A	X	-11.462	1
83	MP2A	Z	0	1
84	MP2A	Mx	-.008	1
85	MP2B	X	-16.201	1
86	MP2B	Z	0	1
87	MP2B	Mx	0	1
88	MP2C	X	-15.016	1
89	MP2C	Z	0	1
90	MP2C	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP3A	X	-9.661	1
92	MP3A	Z	0	1
93	MP3A	Mx	-.006	1
94	MP3B	X	-16.201	1
95	MP3B	Z	0	1
96	MP3B	Mx	0	1
97	MP3C	X	-14.566	1
98	MP3C	Z	0	1
99	MP3C	Mx	.005	1
100	M100	X	-23.595	.25
101	M100	Z	0	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-23.898	.17
2	MP4A	Z	-13.798	.17
3	MP4A	Mx	.016	.17
4	MP4A	X	-23.898	5.17
5	MP4A	Z	-13.798	5.17
6	MP4A	Mx	.016	5.17
7	MP4B	X	-28.477	.17
8	MP4B	Z	-16.441	.17
9	MP4B	Mx	.011	.17
10	MP4B	X	-28.477	5.17
11	MP4B	Z	-16.441	5.17
12	MP4B	Mx	.011	5.17
13	MP4C	X	-23.898	.17
14	MP4C	Z	-13.798	.17
15	MP4C	Mx	-.016	.17
16	MP4C	X	-23.898	5.17
17	MP4C	Z	-13.798	5.17
18	MP4C	Mx	-.016	5.17
19	MP3A	X	-21.198	.17
20	MP3A	Z	-12.239	.17
21	MP3A	Mx	.006	.17
22	MP3A	X	-21.198	5.17
23	MP3A	Z	-12.239	5.17
24	MP3A	Mx	.006	5.17
25	MP3B	X	-25.275	.17
26	MP3B	Z	-14.593	.17
27	MP3B	Mx	.027	.17
28	MP3B	X	-25.275	5.17
29	MP3B	Z	-14.593	5.17
30	MP3B	Mx	.027	5.17
31	MP3C	X	-21.198	.17
32	MP3C	Z	-12.239	.17
33	MP3C	Mx	-.022	.17
34	MP3C	X	-21.198	5.17
35	MP3C	Z	-12.239	5.17
36	MP3C	Mx	-.022	5.17
37	MP3A	X	-21.198	.17
38	MP3A	Z	-12.239	.17
39	MP3A	Mx	.022	.17
40	MP3A	X	-21.198	5.17
41	MP3A	Z	-12.239	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3A	Mx	.022	5.17
43	MP3B	X	-25.275	.17
44	MP3B	Z	-14.593	.17
45	MP3B	Mx	-.007	.17
46	MP3B	X	-25.275	5.17
47	MP3B	Z	-14.593	5.17
48	MP3B	Mx	-.007	5.17
49	MP3C	X	-21.198	.17
50	MP3C	Z	-12.239	.17
51	MP3C	Mx	-.006	.17
52	MP3C	X	-21.198	5.17
53	MP3C	Z	-12.239	5.17
54	MP3C	Mx	-.006	5.17
55	MP1A	X	-3.739	4.67
56	MP1A	Z	-2.159	4.67
57	MP1A	Mx	.001	4.67
58	MP1B	X	-6.224	4.67
59	MP1B	Z	-3.594	4.67
60	MP1B	Mx	.001	4.67
61	MP1C	X	-3.739	4.67
62	MP1C	Z	-2.159	4.67
63	MP1C	Mx	-.001	4.67
64	MP1A	X	-9.449	.17
65	MP1A	Z	-5.455	.17
66	MP1A	Mx	.004	.17
67	MP1A	X	-9.449	2.17
68	MP1A	Z	-5.455	2.17
69	MP1A	Mx	.004	2.17
70	MP1B	X	-13.985	.17
71	MP1B	Z	-8.074	.17
72	MP1B	Mx	.003	.17
73	MP1B	X	-13.985	2.17
74	MP1B	Z	-8.074	2.17
75	MP1B	Mx	.003	2.17
76	MP1C	X	-9.449	.17
77	MP1C	Z	-5.455	.17
78	MP1C	Mx	-.004	.17
79	MP1C	X	-9.449	2.17
80	MP1C	Z	-5.455	2.17
81	MP1C	Mx	-.004	2.17
82	MP2A	X	-10.952	1
83	MP2A	Z	-6.323	1
84	MP2A	Mx	-.007	1
85	MP2B	X	-13.005	1
86	MP2B	Z	-7.508	1
87	MP2B	Mx	-.005	1
88	MP2C	X	-10.952	1
89	MP2C	Z	-6.323	1
90	MP2C	Mx	.007	1
91	MP3A	X	-9.782	1
92	MP3A	Z	-5.648	1
93	MP3A	Mx	-.007	1
94	MP3B	X	-12.615	1
95	MP3B	Z	-7.283	1
96	MP3B	Mx	-.005	1
97	MP3C	X	-9.782	1
98	MP3C	Z	-5.648	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP3C	Mx	.007	1
100	M100	X	-24.47	.25
101	M100	Z	-14.128	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-16.441	.17
2	MP4A	Z	-28.477	.17
3	MP4A	Mx	.011	.17
4	MP4A	X	-16.441	5.17
5	MP4A	Z	-28.477	5.17
6	MP4A	Mx	.011	5.17
7	MP4B	X	-13.798	.17
8	MP4B	Z	-23.898	.17
9	MP4B	Mx	.016	.17
10	MP4B	X	-13.798	5.17
11	MP4B	Z	-23.898	5.17
12	MP4B	Mx	.016	5.17
13	MP4C	X	-12.476	.17
14	MP4C	Z	-21.609	.17
15	MP4C	Mx	-.017	.17
16	MP4C	X	-12.476	5.17
17	MP4C	Z	-21.609	5.17
18	MP4C	Mx	-.017	5.17
19	MP3A	X	-14.593	.17
20	MP3A	Z	-25.275	.17
21	MP3A	Mx	-.007	.17
22	MP3A	X	-14.593	5.17
23	MP3A	Z	-25.275	5.17
24	MP3A	Mx	-.007	5.17
25	MP3B	X	-12.239	.17
26	MP3B	Z	-21.198	.17
27	MP3B	Mx	.022	.17
28	MP3B	X	-12.239	5.17
29	MP3B	Z	-21.198	5.17
30	MP3B	Mx	.022	5.17
31	MP3C	X	-11.062	.17
32	MP3C	Z	-19.16	.17
33	MP3C	Mx	-.015	.17
34	MP3C	X	-11.062	5.17
35	MP3C	Z	-19.16	5.17
36	MP3C	Mx	-.015	5.17
37	MP3A	X	-14.593	.17
38	MP3A	Z	-25.275	.17
39	MP3A	Mx	.027	.17
40	MP3A	X	-14.593	5.17
41	MP3A	Z	-25.275	5.17
42	MP3A	Mx	.027	5.17
43	MP3B	X	-12.239	.17
44	MP3B	Z	-21.198	.17
45	MP3B	Mx	.006	.17
46	MP3B	X	-12.239	5.17
47	MP3B	Z	-21.198	5.17
48	MP3B	Mx	.006	5.17
49	MP3C	X	-11.062	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	-19.16	.17
51	MP3C	Mx	-.015	.17
52	MP3C	X	-11.062	5.17
53	MP3C	Z	-19.16	5.17
54	MP3C	Mx	-.015	5.17
55	MP1A	X	-3.594	4.67
56	MP1A	Z	-6.224	4.67
57	MP1A	Mx	.001	4.67
58	MP1B	X	-2.159	4.67
59	MP1B	Z	-3.739	4.67
60	MP1B	Mx	.001	4.67
61	MP1C	X	-1.441	4.67
62	MP1C	Z	-2.496	4.67
63	MP1C	Mx	-.000961	4.67
64	MP1A	X	-8.074	.17
65	MP1A	Z	-13.985	.17
66	MP1A	Mx	.003	.17
67	MP1A	X	-8.074	2.17
68	MP1A	Z	-13.985	2.17
69	MP1A	Mx	.003	2.17
70	MP1B	X	-5.455	.17
71	MP1B	Z	-9.449	.17
72	MP1B	Mx	.004	.17
73	MP1B	X	-5.455	2.17
74	MP1B	Z	-9.449	2.17
75	MP1B	Mx	.004	2.17
76	MP1C	X	-4.146	.17
77	MP1C	Z	-7.181	.17
78	MP1C	Mx	-.003	.17
79	MP1C	X	-4.146	2.17
80	MP1C	Z	-7.181	2.17
81	MP1C	Mx	-.003	2.17
82	MP2A	X	-7.508	1
83	MP2A	Z	-13.005	1
84	MP2A	Mx	-.005	1
85	MP2B	X	-6.323	1
86	MP2B	Z	-10.952	1
87	MP2B	Mx	-.007	1
88	MP2C	X	-5.731	1
89	MP2C	Z	-9.926	1
90	MP2C	Mx	.008	1
91	MP3A	X	-7.283	1
92	MP3A	Z	-12.615	1
93	MP3A	Mx	-.005	1
94	MP3B	X	-5.648	1
95	MP3B	Z	-9.782	1
96	MP3B	Mx	-.007	1
97	MP3C	X	-4.83	1
98	MP3C	Z	-8.366	1
99	MP3C	Mx	.006	1
100	M100	X	-15.293	.25
101	M100	Z	-26.488	.25
102	M100	Mx	0	.25

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	.17
2	MP4A	Z	-11.16	.17
3	MP4A	Mx	0	.17
4	MP4A	X	0	5.17
5	MP4A	Z	-11.16	5.17
6	MP4A	Mx	0	5.17
7	MP4B	X	0	.17
8	MP4B	Z	-7.424	.17
9	MP4B	Mx	.005	.17
10	MP4B	X	0	5.17
11	MP4B	Z	-7.424	5.17
12	MP4B	Mx	.005	5.17
13	MP4C	X	0	.17
14	MP4C	Z	-8.358	.17
15	MP4C	Mx	-.005	.17
16	MP4C	X	0	5.17
17	MP4C	Z	-8.358	5.17
18	MP4C	Mx	-.005	5.17
19	MP3A	X	0	.17
20	MP3A	Z	-9.867	.17
21	MP3A	Mx	-.007	.17
22	MP3A	X	0	5.17
23	MP3A	Z	-9.867	5.17
24	MP3A	Mx	-.007	5.17
25	MP3B	X	0	.17
26	MP3B	Z	-6.525	.17
27	MP3B	Mx	.004	.17
28	MP3B	X	0	5.17
29	MP3B	Z	-6.525	5.17
30	MP3B	Mx	.004	5.17
31	MP3C	X	0	.17
32	MP3C	Z	-7.36	.17
33	MP3C	Mx	-.002	.17
34	MP3C	X	0	5.17
35	MP3C	Z	-7.36	5.17
36	MP3C	Mx	-.002	5.17
37	MP3A	X	0	.17
38	MP3A	Z	-9.867	.17
39	MP3A	Mx	.007	.17
40	MP3A	X	0	5.17
41	MP3A	Z	-9.867	5.17
42	MP3A	Mx	.007	5.17
43	MP3B	X	0	.17
44	MP3B	Z	-6.525	.17
45	MP3B	Mx	.004	.17
46	MP3B	X	0	5.17
47	MP3B	Z	-6.525	5.17
48	MP3B	Mx	.004	5.17
49	MP3C	X	0	.17
50	MP3C	Z	-7.36	.17
51	MP3C	Mx	-.007	.17
52	MP3C	X	0	5.17
53	MP3C	Z	-7.36	5.17
54	MP3C	Mx	-.007	5.17
55	MP1A	X	0	4.67
56	MP1A	Z	-2.152	4.67
57	MP1A	Mx	0	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	0	4.67
59	MP1B	Z	-.422	4.67
60	MP1B	Mx	.000141	4.67
61	MP1C	X	0	4.67
62	MP1C	Z	-.855	4.67
63	MP1C	Mx	-.000247	4.67
64	MP1A	X	0	.17
65	MP1A	Z	-5.683	.17
66	MP1A	Mx	0	.17
67	MP1A	X	0	2.17
68	MP1A	Z	-5.683	2.17
69	MP1A	Mx	0	2.17
70	MP1B	X	0	.17
71	MP1B	Z	-2.225	.17
72	MP1B	Mx	.000927	.17
73	MP1B	X	0	2.17
74	MP1B	Z	-2.225	2.17
75	MP1B	Mx	.000927	2.17
76	MP1C	X	0	.17
77	MP1C	Z	-3.089	.17
78	MP1C	Mx	-.001	.17
79	MP1C	X	0	2.17
80	MP1C	Z	-3.089	2.17
81	MP1C	Mx	-.001	2.17
82	MP2A	X	0	1
83	MP2A	Z	-4.522	1
84	MP2A	Mx	0	1
85	MP2B	X	0	1
86	MP2B	Z	-3.023	1
87	MP2B	Mx	-.002	1
88	MP2C	X	0	1
89	MP2C	Z	-3.398	1
90	MP2C	Mx	.002	1
91	MP3A	X	0	1
92	MP3A	Z	-4.522	1
93	MP3A	Mx	0	1
94	MP3B	X	0	1
95	MP3B	Z	-2.449	1
96	MP3B	Mx	-.002	1
97	MP3C	X	0	1
98	MP3C	Z	-2.967	1
99	MP3C	Mx	.002	1
100	M100	X	0	.25
101	M100	Z	-8.391	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	5.113	.17
2	MP4A	Z	-8.856	.17
3	MP4A	Mx	-.003	.17
4	MP4A	X	5.113	5.17
5	MP4A	Z	-8.856	5.17
6	MP4A	Mx	-.003	5.17
7	MP4B	X	4.179	.17
8	MP4B	Z	-7.239	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP4B	Mx	.005	.17
10	MP4B	X	4.179	5.17
11	MP4B	Z	-7.239	5.17
12	MP4B	Mx	.005	5.17
13	MP4C	X	5.113	.17
14	MP4C	Z	-8.856	.17
15	MP4C	Mx	-.003	.17
16	MP4C	X	5.113	5.17
17	MP4C	Z	-8.856	5.17
18	MP4C	Mx	-.003	5.17
19	MP3A	X	4.516	.17
20	MP3A	Z	-7.821	.17
21	MP3A	Mx	-.008	.17
22	MP3A	X	4.516	5.17
23	MP3A	Z	-7.821	5.17
24	MP3A	Mx	-.008	5.17
25	MP3B	X	3.68	.17
26	MP3B	Z	-6.374	.17
27	MP3B	Mx	.002	.17
28	MP3B	X	3.68	5.17
29	MP3B	Z	-6.374	5.17
30	MP3B	Mx	.002	5.17
31	MP3C	X	4.516	.17
32	MP3C	Z	-7.821	.17
33	MP3C	Mx	.002	.17
34	MP3C	X	4.516	5.17
35	MP3C	Z	-7.821	5.17
36	MP3C	Mx	.002	5.17
37	MP3A	X	4.516	.17
38	MP3A	Z	-7.821	.17
39	MP3A	Mx	.002	.17
40	MP3A	X	4.516	5.17
41	MP3A	Z	-7.821	5.17
42	MP3A	Mx	.002	5.17
43	MP3B	X	3.68	.17
44	MP3B	Z	-6.374	.17
45	MP3B	Mx	.007	.17
46	MP3B	X	3.68	5.17
47	MP3B	Z	-6.374	5.17
48	MP3B	Mx	.007	5.17
49	MP3C	X	4.516	.17
50	MP3C	Z	-7.821	.17
51	MP3C	Mx	-.008	.17
52	MP3C	X	4.516	5.17
53	MP3C	Z	-7.821	5.17
54	MP3C	Mx	-.008	5.17
55	MP1A	X	.86	4.67
56	MP1A	Z	-1.489	4.67
57	MP1A	Mx	-.000287	4.67
58	MP1B	X	.427	4.67
59	MP1B	Z	-.74	4.67
60	MP1B	Mx	.000247	4.67
61	MP1C	X	.86	4.67
62	MP1C	Z	-1.489	4.67
63	MP1C	Mx	-.000287	4.67
64	MP1A	X	2.409	.17
65	MP1A	Z	-4.173	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1A	Mx	-.001	.17
67	MP1A	X	2.409	2.17
68	MP1A	Z	-4.173	2.17
69	MP1A	Mx	-.001	2.17
70	MP1B	X	1.545	.17
71	MP1B	Z	-2.676	.17
72	MP1B	Mx	.001	.17
73	MP1B	X	1.545	2.17
74	MP1B	Z	-2.676	2.17
75	MP1B	Mx	.001	2.17
76	MP1C	X	2.409	.17
77	MP1C	Z	-4.173	.17
78	MP1C	Mx	-.001	.17
79	MP1C	X	2.409	2.17
80	MP1C	Z	-4.173	2.17
81	MP1C	Mx	-.001	2.17
82	MP2A	X	2.074	1
83	MP2A	Z	-3.592	1
84	MP2A	Mx	.001	1
85	MP2B	X	1.699	1
86	MP2B	Z	-2.943	1
87	MP2B	Mx	-.002	1
88	MP2C	X	2.074	1
89	MP2C	Z	-3.592	1
90	MP2C	Mx	.001	1
91	MP3A	X	2.002	1
92	MP3A	Z	-3.467	1
93	MP3A	Mx	.001	1
94	MP3B	X	1.483	1
95	MP3B	Z	-2.569	1
96	MP3B	Mx	-.002	1
97	MP3C	X	2.002	1
98	MP3C	Z	-3.467	1
99	MP3C	Mx	.001	1
100	M100	X	3.421	.25
101	M100	Z	-5.925	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.239	.17
2	MP4A	Z	-4.179	.17
3	MP4A	Mx	-.005	.17
4	MP4A	X	7.239	5.17
5	MP4A	Z	-4.179	5.17
6	MP4A	Mx	-.005	5.17
7	MP4B	X	8.856	.17
8	MP4B	Z	-5.113	.17
9	MP4B	Mx	.003	.17
10	MP4B	X	8.856	5.17
11	MP4B	Z	-5.113	5.17
12	MP4B	Mx	.003	5.17
13	MP4C	X	9.665	.17
14	MP4C	Z	-5.58	.17
15	MP4C	Mx	0	.17
16	MP4C	X	9.665	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP4C	Z	-5.58	5.17
18	MP4C	Mx	0	5.17
19	MP3A	X	6.374	.17
20	MP3A	Z	-3.68	.17
21	MP3A	Mx	-.007	.17
22	MP3A	X	6.374	5.17
23	MP3A	Z	-3.68	5.17
24	MP3A	Mx	-.007	5.17
25	MP3B	X	7.821	.17
26	MP3B	Z	-4.516	.17
27	MP3B	Mx	-.002	.17
28	MP3B	X	7.821	5.17
29	MP3B	Z	-4.516	5.17
30	MP3B	Mx	-.002	5.17
31	MP3C	X	8.545	.17
32	MP3C	Z	-4.933	.17
33	MP3C	Mx	.007	.17
34	MP3C	X	8.545	5.17
35	MP3C	Z	-4.933	5.17
36	MP3C	Mx	.007	5.17
37	MP3A	X	6.374	.17
38	MP3A	Z	-3.68	.17
39	MP3A	Mx	-.002	.17
40	MP3A	X	6.374	5.17
41	MP3A	Z	-3.68	5.17
42	MP3A	Mx	-.002	5.17
43	MP3B	X	7.821	.17
44	MP3B	Z	-4.516	.17
45	MP3B	Mx	.008	.17
46	MP3B	X	7.821	5.17
47	MP3B	Z	-4.516	5.17
48	MP3B	Mx	.008	5.17
49	MP3C	X	8.545	.17
50	MP3C	Z	-4.933	.17
51	MP3C	Mx	-.007	.17
52	MP3C	X	8.545	5.17
53	MP3C	Z	-4.933	5.17
54	MP3C	Mx	-.007	5.17
55	MP1A	X	.74	4.67
56	MP1A	Z	-.427	4.67
57	MP1A	Mx	-.000247	4.67
58	MP1B	X	1.489	4.67
59	MP1B	Z	-.86	4.67
60	MP1B	Mx	.000287	4.67
61	MP1C	X	1.864	4.67
62	MP1C	Z	-1.076	4.67
63	MP1C	Mx	0	4.67
64	MP1A	X	2.676	.17
65	MP1A	Z	-1.545	.17
66	MP1A	Mx	-.001	.17
67	MP1A	X	2.676	2.17
68	MP1A	Z	-1.545	2.17
69	MP1A	Mx	-.001	2.17
70	MP1B	X	4.173	.17
71	MP1B	Z	-2.409	.17
72	MP1B	Mx	.001	.17
73	MP1B	X	4.173	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1B	Z	-2.409	2.17
75	MP1B	Mx	.001	2.17
76	MP1C	X	4.922	.17
77	MP1C	Z	-2.842	.17
78	MP1C	Mx	0	.17
79	MP1C	X	4.922	2.17
80	MP1C	Z	-2.842	2.17
81	MP1C	Mx	0	2.17
82	MP2A	X	2.943	1
83	MP2A	Z	-1.699	1
84	MP2A	Mx	.002	1
85	MP2B	X	3.592	1
86	MP2B	Z	-2.074	1
87	MP2B	Mx	-.001	1
88	MP2C	X	3.916	1
89	MP2C	Z	-2.261	1
90	MP2C	Mx	0	1
91	MP3A	X	2.569	1
92	MP3A	Z	-1.483	1
93	MP3A	Mx	.002	1
94	MP3B	X	3.467	1
95	MP3B	Z	-2.002	1
96	MP3B	Mx	-.001	1
97	MP3C	X	3.916	1
98	MP3C	Z	-2.261	1
99	MP3C	Mx	0	1
100	M100	X	5.254	.25
101	M100	Z	-3.033	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.424	.17
2	MP4A	Z	0	.17
3	MP4A	Mx	-.005	.17
4	MP4A	X	7.424	5.17
5	MP4A	Z	0	5.17
6	MP4A	Mx	-.005	5.17
7	MP4B	X	11.16	.17
8	MP4B	Z	0	.17
9	MP4B	Mx	0	.17
10	MP4B	X	11.16	5.17
11	MP4B	Z	0	5.17
12	MP4B	Mx	0	5.17
13	MP4C	X	10.226	.17
14	MP4C	Z	0	.17
15	MP4C	Mx	.003	.17
16	MP4C	X	10.226	5.17
17	MP4C	Z	0	5.17
18	MP4C	Mx	.003	5.17
19	MP3A	X	6.525	.17
20	MP3A	Z	0	.17
21	MP3A	Mx	-.004	.17
22	MP3A	X	6.525	5.17
23	MP3A	Z	0	5.17
24	MP3A	Mx	-.004	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	9.867	.17
26	MP3B	Z	0	.17
27	MP3B	Mx	-.007	.17
28	MP3B	X	9.867	5.17
29	MP3B	Z	0	5.17
30	MP3B	Mx	-.007	5.17
31	MP3C	X	9.031	.17
32	MP3C	Z	0	.17
33	MP3C	Mx	.008	.17
34	MP3C	X	9.031	5.17
35	MP3C	Z	0	5.17
36	MP3C	Mx	.008	5.17
37	MP3A	X	6.525	.17
38	MP3A	Z	0	.17
39	MP3A	Mx	-.004	.17
40	MP3A	X	6.525	5.17
41	MP3A	Z	0	5.17
42	MP3A	Mx	-.004	5.17
43	MP3B	X	9.867	.17
44	MP3B	Z	0	.17
45	MP3B	Mx	.007	.17
46	MP3B	X	9.867	5.17
47	MP3B	Z	0	5.17
48	MP3B	Mx	.007	5.17
49	MP3C	X	9.031	.17
50	MP3C	Z	0	.17
51	MP3C	Mx	-.002	.17
52	MP3C	X	9.031	5.17
53	MP3C	Z	0	5.17
54	MP3C	Mx	-.002	5.17
55	MP1A	X	.422	4.67
56	MP1A	Z	0	4.67
57	MP1A	Mx	-.000141	4.67
58	MP1B	X	2.152	4.67
59	MP1B	Z	0	4.67
60	MP1B	Mx	0	4.67
61	MP1C	X	1.72	4.67
62	MP1C	Z	0	4.67
63	MP1C	Mx	.000287	4.67
64	MP1A	X	2.225	.17
65	MP1A	Z	0	.17
66	MP1A	Mx	-.000927	.17
67	MP1A	X	2.225	2.17
68	MP1A	Z	0	2.17
69	MP1A	Mx	-.000927	2.17
70	MP1B	X	5.683	.17
71	MP1B	Z	0	.17
72	MP1B	Mx	0	.17
73	MP1B	X	5.683	2.17
74	MP1B	Z	0	2.17
75	MP1B	Mx	0	2.17
76	MP1C	X	4.818	.17
77	MP1C	Z	0	.17
78	MP1C	Mx	.001	.17
79	MP1C	X	4.818	2.17
80	MP1C	Z	0	2.17
81	MP1C	Mx	.001	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2A	X	3.023	1
83	MP2A	Z	0	1
84	MP2A	Mx	.002	1
85	MP2B	X	4.522	1
86	MP2B	Z	0	1
87	MP2B	Mx	0	1
88	MP2C	X	4.147	1
89	MP2C	Z	0	1
90	MP2C	Mx	-.001	1
91	MP3A	X	2.449	1
92	MP3A	Z	0	1
93	MP3A	Mx	.002	1
94	MP3B	X	4.522	1
95	MP3B	Z	0	1
96	MP3B	Mx	0	1
97	MP3C	X	4.004	1
98	MP3C	Z	0	1
99	MP3C	Mx	-.001	1
100	M100	X	6.841	.25
101	M100	Z	0	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.239	.17
2	MP4A	Z	4.179	.17
3	MP4A	Mx	-.005	.17
4	MP4A	X	7.239	5.17
5	MP4A	Z	4.179	5.17
6	MP4A	Mx	-.005	5.17
7	MP4B	X	8.856	.17
8	MP4B	Z	5.113	.17
9	MP4B	Mx	-.003	.17
10	MP4B	X	8.856	5.17
11	MP4B	Z	5.113	5.17
12	MP4B	Mx	-.003	5.17
13	MP4C	X	7.239	.17
14	MP4C	Z	4.179	.17
15	MP4C	Mx	.005	.17
16	MP4C	X	7.239	5.17
17	MP4C	Z	4.179	5.17
18	MP4C	Mx	.005	5.17
19	MP3A	X	6.374	.17
20	MP3A	Z	3.68	.17
21	MP3A	Mx	-.002	.17
22	MP3A	X	6.374	5.17
23	MP3A	Z	3.68	5.17
24	MP3A	Mx	-.002	5.17
25	MP3B	X	7.821	.17
26	MP3B	Z	4.516	.17
27	MP3B	Mx	-.008	.17
28	MP3B	X	7.821	5.17
29	MP3B	Z	4.516	5.17
30	MP3B	Mx	-.008	5.17
31	MP3C	X	6.374	.17
32	MP3C	Z	3.68	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.007	.17
34	MP3C	X	6.374	5.17
35	MP3C	Z	3.68	5.17
36	MP3C	Mx	.007	5.17
37	MP3A	X	6.374	.17
38	MP3A	Z	3.68	.17
39	MP3A	Mx	-.007	.17
40	MP3A	X	6.374	5.17
41	MP3A	Z	3.68	5.17
42	MP3A	Mx	-.007	5.17
43	MP3B	X	7.821	.17
44	MP3B	Z	4.516	.17
45	MP3B	Mx	.002	.17
46	MP3B	X	7.821	5.17
47	MP3B	Z	4.516	5.17
48	MP3B	Mx	.002	5.17
49	MP3C	X	6.374	.17
50	MP3C	Z	3.68	.17
51	MP3C	Mx	.002	.17
52	MP3C	X	6.374	5.17
53	MP3C	Z	3.68	5.17
54	MP3C	Mx	.002	5.17
55	MP1A	X	.74	4.67
56	MP1A	Z	.427	4.67
57	MP1A	Mx	-.000247	4.67
58	MP1B	X	1.489	4.67
59	MP1B	Z	.86	4.67
60	MP1B	Mx	-.000287	4.67
61	MP1C	X	.74	4.67
62	MP1C	Z	.427	4.67
63	MP1C	Mx	.000247	4.67
64	MP1A	X	2.676	.17
65	MP1A	Z	1.545	.17
66	MP1A	Mx	-.001	.17
67	MP1A	X	2.676	2.17
68	MP1A	Z	1.545	2.17
69	MP1A	Mx	-.001	2.17
70	MP1B	X	4.173	.17
71	MP1B	Z	2.409	.17
72	MP1B	Mx	-.001	.17
73	MP1B	X	4.173	2.17
74	MP1B	Z	2.409	2.17
75	MP1B	Mx	-.001	2.17
76	MP1C	X	2.676	.17
77	MP1C	Z	1.545	.17
78	MP1C	Mx	.001	.17
79	MP1C	X	2.676	2.17
80	MP1C	Z	1.545	2.17
81	MP1C	Mx	.001	2.17
82	MP2A	X	2.943	1
83	MP2A	Z	1.699	1
84	MP2A	Mx	.002	1
85	MP2B	X	3.592	1
86	MP2B	Z	2.074	1
87	MP2B	Mx	.001	1
88	MP2C	X	2.943	1
89	MP2C	Z	1.699	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP2C	Mx	-.002	1
91	MP3A	X	2.569	1
92	MP3A	Z	1.483	1
93	MP3A	Mx	.002	1
94	MP3B	X	3.467	1
95	MP3B	Z	2.002	1
96	MP3B	Mx	.001	1
97	MP3C	X	2.569	1
98	MP3C	Z	1.483	1
99	MP3C	Mx	-.002	1
100	M100	X	7.267	.25
101	M100	Z	4.195	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	5.113	.17
2	MP4A	Z	8.856	.17
3	MP4A	Mx	-.003	.17
4	MP4A	X	5.113	5.17
5	MP4A	Z	8.856	5.17
6	MP4A	Mx	-.003	5.17
7	MP4B	X	4.179	.17
8	MP4B	Z	7.239	.17
9	MP4B	Mx	-.005	.17
10	MP4B	X	4.179	5.17
11	MP4B	Z	7.239	5.17
12	MP4B	Mx	-.005	5.17
13	MP4C	X	3.712	.17
14	MP4C	Z	6.43	.17
15	MP4C	Mx	.005	.17
16	MP4C	X	3.712	5.17
17	MP4C	Z	6.43	5.17
18	MP4C	Mx	.005	5.17
19	MP3A	X	4.516	.17
20	MP3A	Z	7.821	.17
21	MP3A	Mx	.002	.17
22	MP3A	X	4.516	5.17
23	MP3A	Z	7.821	5.17
24	MP3A	Mx	.002	5.17
25	MP3B	X	3.68	.17
26	MP3B	Z	6.374	.17
27	MP3B	Mx	-.007	.17
28	MP3B	X	3.68	5.17
29	MP3B	Z	6.374	5.17
30	MP3B	Mx	-.007	5.17
31	MP3C	X	3.262	.17
32	MP3C	Z	5.651	.17
33	MP3C	Mx	.004	.17
34	MP3C	X	3.262	5.17
35	MP3C	Z	5.651	5.17
36	MP3C	Mx	.004	5.17
37	MP3A	X	4.516	.17
38	MP3A	Z	7.821	.17
39	MP3A	Mx	-.008	.17
40	MP3A	X	4.516	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	7.821	5.17
42	MP3A	Mx	-.008	5.17
43	MP3B	X	3.68	.17
44	MP3B	Z	6.374	.17
45	MP3B	Mx	-.002	.17
46	MP3B	X	3.68	5.17
47	MP3B	Z	6.374	5.17
48	MP3B	Mx	-.002	5.17
49	MP3C	X	3.262	.17
50	MP3C	Z	5.651	.17
51	MP3C	Mx	.004	.17
52	MP3C	X	3.262	5.17
53	MP3C	Z	5.651	5.17
54	MP3C	Mx	.004	5.17
55	MP1A	X	.86	4.67
56	MP1A	Z	1.489	4.67
57	MP1A	Mx	-.000287	4.67
58	MP1B	X	.427	4.67
59	MP1B	Z	.74	4.67
60	MP1B	Mx	-.000247	4.67
61	MP1C	X	.211	4.67
62	MP1C	Z	.366	4.67
63	MP1C	Mx	.000141	4.67
64	MP1A	X	2.409	.17
65	MP1A	Z	4.173	.17
66	MP1A	Mx	-.001	.17
67	MP1A	X	2.409	2.17
68	MP1A	Z	4.173	2.17
69	MP1A	Mx	-.001	2.17
70	MP1B	X	1.545	.17
71	MP1B	Z	2.676	.17
72	MP1B	Mx	-.001	.17
73	MP1B	X	1.545	2.17
74	MP1B	Z	2.676	2.17
75	MP1B	Mx	-.001	2.17
76	MP1C	X	1.112	.17
77	MP1C	Z	1.927	.17
78	MP1C	Mx	.000927	.17
79	MP1C	X	1.112	2.17
80	MP1C	Z	1.927	2.17
81	MP1C	Mx	.000927	2.17
82	MP2A	X	2.074	1
83	MP2A	Z	3.592	1
84	MP2A	Mx	.001	1
85	MP2B	X	1.699	1
86	MP2B	Z	2.943	1
87	MP2B	Mx	.002	1
88	MP2C	X	1.511	1
89	MP2C	Z	2.618	1
90	MP2C	Mx	-.002	1
91	MP3A	X	2.002	1
92	MP3A	Z	3.467	1
93	MP3A	Mx	.001	1
94	MP3B	X	1.483	1
95	MP3B	Z	2.569	1
96	MP3B	Mx	.002	1
97	MP3C	X	1.224	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP3C	Z	2.12	1
99	MP3C	Mx	-.002	1
100	M100	X	4.583	.25
101	M100	Z	7.937	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	.17
2	MP4A	Z	11.16	.17
3	MP4A	Mx	0	.17
4	MP4A	X	0	5.17
5	MP4A	Z	11.16	5.17
6	MP4A	Mx	0	5.17
7	MP4B	X	0	.17
8	MP4B	Z	7.424	.17
9	MP4B	Mx	-.005	.17
10	MP4B	X	0	5.17
11	MP4B	Z	7.424	5.17
12	MP4B	Mx	-.005	5.17
13	MP4C	X	0	.17
14	MP4C	Z	8.358	.17
15	MP4C	Mx	.005	.17
16	MP4C	X	0	5.17
17	MP4C	Z	8.358	5.17
18	MP4C	Mx	.005	5.17
19	MP3A	X	0	.17
20	MP3A	Z	9.867	.17
21	MP3A	Mx	.007	.17
22	MP3A	X	0	5.17
23	MP3A	Z	9.867	5.17
24	MP3A	Mx	.007	5.17
25	MP3B	X	0	.17
26	MP3B	Z	6.525	.17
27	MP3B	Mx	-.004	.17
28	MP3B	X	0	5.17
29	MP3B	Z	6.525	5.17
30	MP3B	Mx	-.004	5.17
31	MP3C	X	0	.17
32	MP3C	Z	7.36	.17
33	MP3C	Mx	.002	.17
34	MP3C	X	0	5.17
35	MP3C	Z	7.36	5.17
36	MP3C	Mx	.002	5.17
37	MP3A	X	0	.17
38	MP3A	Z	9.867	.17
39	MP3A	Mx	-.007	.17
40	MP3A	X	0	5.17
41	MP3A	Z	9.867	5.17
42	MP3A	Mx	-.007	5.17
43	MP3B	X	0	.17
44	MP3B	Z	6.525	.17
45	MP3B	Mx	-.004	.17
46	MP3B	X	0	5.17
47	MP3B	Z	6.525	5.17
48	MP3B	Mx	-.004	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	X	0	.17
50	MP3C	Z	7.36	.17
51	MP3C	Mx	.007	.17
52	MP3C	X	0	5.17
53	MP3C	Z	7.36	5.17
54	MP3C	Mx	.007	5.17
55	MP1A	X	0	4.67
56	MP1A	Z	2.152	4.67
57	MP1A	Mx	0	4.67
58	MP1B	X	0	4.67
59	MP1B	Z	.422	4.67
60	MP1B	Mx	-.000141	4.67
61	MP1C	X	0	4.67
62	MP1C	Z	.855	4.67
63	MP1C	Mx	.000247	4.67
64	MP1A	X	0	.17
65	MP1A	Z	5.683	.17
66	MP1A	Mx	0	.17
67	MP1A	X	0	2.17
68	MP1A	Z	5.683	2.17
69	MP1A	Mx	0	2.17
70	MP1B	X	0	.17
71	MP1B	Z	2.225	.17
72	MP1B	Mx	-.000927	.17
73	MP1B	X	0	2.17
74	MP1B	Z	2.225	2.17
75	MP1B	Mx	-.000927	2.17
76	MP1C	X	0	.17
77	MP1C	Z	3.089	.17
78	MP1C	Mx	.001	.17
79	MP1C	X	0	2.17
80	MP1C	Z	3.089	2.17
81	MP1C	Mx	.001	2.17
82	MP2A	X	0	1
83	MP2A	Z	4.522	1
84	MP2A	Mx	0	1
85	MP2B	X	0	1
86	MP2B	Z	3.023	1
87	MP2B	Mx	.002	1
88	MP2C	X	0	1
89	MP2C	Z	3.398	1
90	MP2C	Mx	-.002	1
91	MP3A	X	0	1
92	MP3A	Z	4.522	1
93	MP3A	Mx	0	1
94	MP3B	X	0	1
95	MP3B	Z	2.449	1
96	MP3B	Mx	.002	1
97	MP3C	X	0	1
98	MP3C	Z	2.967	1
99	MP3C	Mx	-.002	1
100	M100	X	0	.25
101	M100	Z	8.391	.25
102	M100	Mx	0	.25

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-5.113	.17
2	MP4A	Z	8.856	.17
3	MP4A	Mx	.003	.17
4	MP4A	X	-5.113	5.17
5	MP4A	Z	8.856	5.17
6	MP4A	Mx	.003	5.17
7	MP4B	X	-4.179	.17
8	MP4B	Z	7.239	.17
9	MP4B	Mx	-.005	.17
10	MP4B	X	-4.179	5.17
11	MP4B	Z	7.239	5.17
12	MP4B	Mx	-.005	5.17
13	MP4C	X	-5.113	.17
14	MP4C	Z	8.856	.17
15	MP4C	Mx	.003	.17
16	MP4C	X	-5.113	5.17
17	MP4C	Z	8.856	5.17
18	MP4C	Mx	.003	5.17
19	MP3A	X	-4.516	.17
20	MP3A	Z	7.821	.17
21	MP3A	Mx	.008	.17
22	MP3A	X	-4.516	5.17
23	MP3A	Z	7.821	5.17
24	MP3A	Mx	.008	5.17
25	MP3B	X	-3.68	.17
26	MP3B	Z	6.374	.17
27	MP3B	Mx	-.002	.17
28	MP3B	X	-3.68	5.17
29	MP3B	Z	6.374	5.17
30	MP3B	Mx	-.002	5.17
31	MP3C	X	-4.516	.17
32	MP3C	Z	7.821	.17
33	MP3C	Mx	-.002	.17
34	MP3C	X	-4.516	5.17
35	MP3C	Z	7.821	5.17
36	MP3C	Mx	-.002	5.17
37	MP3A	X	-4.516	.17
38	MP3A	Z	7.821	.17
39	MP3A	Mx	-.002	.17
40	MP3A	X	-4.516	5.17
41	MP3A	Z	7.821	5.17
42	MP3A	Mx	-.002	5.17
43	MP3B	X	-3.68	.17
44	MP3B	Z	6.374	.17
45	MP3B	Mx	-.007	.17
46	MP3B	X	-3.68	5.17
47	MP3B	Z	6.374	5.17
48	MP3B	Mx	-.007	5.17
49	MP3C	X	-4.516	.17
50	MP3C	Z	7.821	.17
51	MP3C	Mx	.008	.17
52	MP3C	X	-4.516	5.17
53	MP3C	Z	7.821	5.17
54	MP3C	Mx	.008	5.17
55	MP1A	X	-.86	4.67
56	MP1A	Z	1.489	4.67
57	MP1A	Mx	.000287	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	-.427	4.67
59	MP1B	Z	.74	4.67
60	MP1B	Mx	-.000247	4.67
61	MP1C	X	-.86	4.67
62	MP1C	Z	1.489	4.67
63	MP1C	Mx	.000287	4.67
64	MP1A	X	-2.409	.17
65	MP1A	Z	4.173	.17
66	MP1A	Mx	.001	.17
67	MP1A	X	-2.409	2.17
68	MP1A	Z	4.173	2.17
69	MP1A	Mx	.001	2.17
70	MP1B	X	-1.545	.17
71	MP1B	Z	2.676	.17
72	MP1B	Mx	-.001	.17
73	MP1B	X	-1.545	2.17
74	MP1B	Z	2.676	2.17
75	MP1B	Mx	-.001	2.17
76	MP1C	X	-2.409	.17
77	MP1C	Z	4.173	.17
78	MP1C	Mx	.001	.17
79	MP1C	X	-2.409	2.17
80	MP1C	Z	4.173	2.17
81	MP1C	Mx	.001	2.17
82	MP2A	X	-2.074	1
83	MP2A	Z	3.592	1
84	MP2A	Mx	-.001	1
85	MP2B	X	-1.699	1
86	MP2B	Z	2.943	1
87	MP2B	Mx	.002	1
88	MP2C	X	-2.074	1
89	MP2C	Z	3.592	1
90	MP2C	Mx	-.001	1
91	MP3A	X	-2.002	1
92	MP3A	Z	3.467	1
93	MP3A	Mx	-.001	1
94	MP3B	X	-1.483	1
95	MP3B	Z	2.569	1
96	MP3B	Mx	.002	1
97	MP3C	X	-2.002	1
98	MP3C	Z	3.467	1
99	MP3C	Mx	-.001	1
100	M100	X	-3.421	.25
101	M100	Z	5.925	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.239	.17
2	MP4A	Z	4.179	.17
3	MP4A	Mx	.005	.17
4	MP4A	X	-7.239	5.17
5	MP4A	Z	4.179	5.17
6	MP4A	Mx	.005	5.17
7	MP4B	X	-8.856	.17
8	MP4B	Z	5.113	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP4B	Mx	-.003	.17
10	MP4B	X	-8.856	5.17
11	MP4B	Z	5.113	5.17
12	MP4B	Mx	-.003	5.17
13	MP4C	X	-9.665	.17
14	MP4C	Z	5.58	.17
15	MP4C	Mx	0	.17
16	MP4C	X	-9.665	5.17
17	MP4C	Z	5.58	5.17
18	MP4C	Mx	0	5.17
19	MP3A	X	-6.374	.17
20	MP3A	Z	3.68	.17
21	MP3A	Mx	.007	.17
22	MP3A	X	-6.374	5.17
23	MP3A	Z	3.68	5.17
24	MP3A	Mx	.007	5.17
25	MP3B	X	-7.821	.17
26	MP3B	Z	4.516	.17
27	MP3B	Mx	.002	.17
28	MP3B	X	-7.821	5.17
29	MP3B	Z	4.516	5.17
30	MP3B	Mx	.002	5.17
31	MP3C	X	-8.545	.17
32	MP3C	Z	4.933	.17
33	MP3C	Mx	-.007	.17
34	MP3C	X	-8.545	5.17
35	MP3C	Z	4.933	5.17
36	MP3C	Mx	-.007	5.17
37	MP3A	X	-6.374	.17
38	MP3A	Z	3.68	.17
39	MP3A	Mx	.002	.17
40	MP3A	X	-6.374	5.17
41	MP3A	Z	3.68	5.17
42	MP3A	Mx	.002	5.17
43	MP3B	X	-7.821	.17
44	MP3B	Z	4.516	.17
45	MP3B	Mx	-.008	.17
46	MP3B	X	-7.821	5.17
47	MP3B	Z	4.516	5.17
48	MP3B	Mx	-.008	5.17
49	MP3C	X	-8.545	.17
50	MP3C	Z	4.933	.17
51	MP3C	Mx	.007	.17
52	MP3C	X	-8.545	5.17
53	MP3C	Z	4.933	5.17
54	MP3C	Mx	.007	5.17
55	MP1A	X	-.74	4.67
56	MP1A	Z	.427	4.67
57	MP1A	Mx	.000247	4.67
58	MP1B	X	-1.489	4.67
59	MP1B	Z	.86	4.67
60	MP1B	Mx	-.000287	4.67
61	MP1C	X	-1.864	4.67
62	MP1C	Z	1.076	4.67
63	MP1C	Mx	0	4.67
64	MP1A	X	-2.676	.17
65	MP1A	Z	1.545	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1A	Mx	.001	.17
67	MP1A	X	-2.676	2.17
68	MP1A	Z	1.545	2.17
69	MP1A	Mx	.001	2.17
70	MP1B	X	-4.173	.17
71	MP1B	Z	2.409	.17
72	MP1B	Mx	-.001	.17
73	MP1B	X	-4.173	2.17
74	MP1B	Z	2.409	2.17
75	MP1B	Mx	-.001	2.17
76	MP1C	X	-4.922	.17
77	MP1C	Z	2.842	.17
78	MP1C	Mx	0	.17
79	MP1C	X	-4.922	2.17
80	MP1C	Z	2.842	2.17
81	MP1C	Mx	0	2.17
82	MP2A	X	-2.943	1
83	MP2A	Z	1.699	1
84	MP2A	Mx	-.002	1
85	MP2B	X	-3.592	1
86	MP2B	Z	2.074	1
87	MP2B	Mx	.001	1
88	MP2C	X	-3.916	1
89	MP2C	Z	2.261	1
90	MP2C	Mx	0	1
91	MP3A	X	-2.569	1
92	MP3A	Z	1.483	1
93	MP3A	Mx	-.002	1
94	MP3B	X	-3.467	1
95	MP3B	Z	2.002	1
96	MP3B	Mx	.001	1
97	MP3C	X	-3.916	1
98	MP3C	Z	2.261	1
99	MP3C	Mx	0	1
100	M100	X	-5.254	.25
101	M100	Z	3.033	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.424	.17
2	MP4A	Z	0	.17
3	MP4A	Mx	.005	.17
4	MP4A	X	-7.424	5.17
5	MP4A	Z	0	5.17
6	MP4A	Mx	.005	5.17
7	MP4B	X	-11.16	.17
8	MP4B	Z	0	.17
9	MP4B	Mx	0	.17
10	MP4B	X	-11.16	5.17
11	MP4B	Z	0	5.17
12	MP4B	Mx	0	5.17
13	MP4C	X	-10.226	.17
14	MP4C	Z	0	.17
15	MP4C	Mx	-.003	.17
16	MP4C	X	-10.226	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP4C	Z	0	5.17
18	MP4C	Mx	-.003	5.17
19	MP3A	X	-6.525	.17
20	MP3A	Z	0	.17
21	MP3A	Mx	.004	.17
22	MP3A	X	-6.525	5.17
23	MP3A	Z	0	5.17
24	MP3A	Mx	.004	5.17
25	MP3B	X	-9.867	.17
26	MP3B	Z	0	.17
27	MP3B	Mx	.007	.17
28	MP3B	X	-9.867	5.17
29	MP3B	Z	0	5.17
30	MP3B	Mx	.007	5.17
31	MP3C	X	-9.031	.17
32	MP3C	Z	0	.17
33	MP3C	Mx	-.008	.17
34	MP3C	X	-9.031	5.17
35	MP3C	Z	0	5.17
36	MP3C	Mx	-.008	5.17
37	MP3A	X	-6.525	.17
38	MP3A	Z	0	.17
39	MP3A	Mx	.004	.17
40	MP3A	X	-6.525	5.17
41	MP3A	Z	0	5.17
42	MP3A	Mx	.004	5.17
43	MP3B	X	-9.867	.17
44	MP3B	Z	0	.17
45	MP3B	Mx	-.007	.17
46	MP3B	X	-9.867	5.17
47	MP3B	Z	0	5.17
48	MP3B	Mx	-.007	5.17
49	MP3C	X	-9.031	.17
50	MP3C	Z	0	.17
51	MP3C	Mx	.002	.17
52	MP3C	X	-9.031	5.17
53	MP3C	Z	0	5.17
54	MP3C	Mx	.002	5.17
55	MP1A	X	-.422	4.67
56	MP1A	Z	0	4.67
57	MP1A	Mx	.000141	4.67
58	MP1B	X	-2.152	4.67
59	MP1B	Z	0	4.67
60	MP1B	Mx	0	4.67
61	MP1C	X	-1.72	4.67
62	MP1C	Z	0	4.67
63	MP1C	Mx	-.000287	4.67
64	MP1A	X	-2.225	.17
65	MP1A	Z	0	.17
66	MP1A	Mx	.000927	.17
67	MP1A	X	-2.225	2.17
68	MP1A	Z	0	2.17
69	MP1A	Mx	.000927	2.17
70	MP1B	X	-5.683	.17
71	MP1B	Z	0	.17
72	MP1B	Mx	0	.17
73	MP1B	X	-5.683	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1B	Z	0	2.17
75	MP1B	Mx	0	2.17
76	MP1C	X	-4.818	.17
77	MP1C	Z	0	.17
78	MP1C	Mx	-.001	.17
79	MP1C	X	-4.818	2.17
80	MP1C	Z	0	2.17
81	MP1C	Mx	-.001	2.17
82	MP2A	X	-3.023	1
83	MP2A	Z	0	1
84	MP2A	Mx	-.002	1
85	MP2B	X	-4.522	1
86	MP2B	Z	0	1
87	MP2B	Mx	0	1
88	MP2C	X	-4.147	1
89	MP2C	Z	0	1
90	MP2C	Mx	.001	1
91	MP3A	X	-2.449	1
92	MP3A	Z	0	1
93	MP3A	Mx	-.002	1
94	MP3B	X	-4.522	1
95	MP3B	Z	0	1
96	MP3B	Mx	0	1
97	MP3C	X	-4.004	1
98	MP3C	Z	0	1
99	MP3C	Mx	.001	1
100	M100	X	-6.841	.25
101	M100	Z	0	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.239	.17
2	MP4A	Z	-4.179	.17
3	MP4A	Mx	.005	.17
4	MP4A	X	-7.239	5.17
5	MP4A	Z	-4.179	5.17
6	MP4A	Mx	.005	5.17
7	MP4B	X	-8.856	.17
8	MP4B	Z	-5.113	.17
9	MP4B	Mx	.003	.17
10	MP4B	X	-8.856	5.17
11	MP4B	Z	-5.113	5.17
12	MP4B	Mx	.003	5.17
13	MP4C	X	-7.239	.17
14	MP4C	Z	-4.179	.17
15	MP4C	Mx	-.005	.17
16	MP4C	X	-7.239	5.17
17	MP4C	Z	-4.179	5.17
18	MP4C	Mx	-.005	5.17
19	MP3A	X	-6.374	.17
20	MP3A	Z	-3.68	.17
21	MP3A	Mx	.002	.17
22	MP3A	X	-6.374	5.17
23	MP3A	Z	-3.68	5.17
24	MP3A	Mx	.002	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	-7.821	.17
26	MP3B	Z	-4.516	.17
27	MP3B	Mx	.008	.17
28	MP3B	X	-7.821	5.17
29	MP3B	Z	-4.516	5.17
30	MP3B	Mx	.008	5.17
31	MP3C	X	-6.374	.17
32	MP3C	Z	-3.68	.17
33	MP3C	Mx	-.007	.17
34	MP3C	X	-6.374	5.17
35	MP3C	Z	-3.68	5.17
36	MP3C	Mx	-.007	5.17
37	MP3A	X	-6.374	.17
38	MP3A	Z	-3.68	.17
39	MP3A	Mx	.007	.17
40	MP3A	X	-6.374	5.17
41	MP3A	Z	-3.68	5.17
42	MP3A	Mx	.007	5.17
43	MP3B	X	-7.821	.17
44	MP3B	Z	-4.516	.17
45	MP3B	Mx	-.002	.17
46	MP3B	X	-7.821	5.17
47	MP3B	Z	-4.516	5.17
48	MP3B	Mx	-.002	5.17
49	MP3C	X	-6.374	.17
50	MP3C	Z	-3.68	.17
51	MP3C	Mx	-.002	.17
52	MP3C	X	-6.374	5.17
53	MP3C	Z	-3.68	5.17
54	MP3C	Mx	-.002	5.17
55	MP1A	X	-.74	4.67
56	MP1A	Z	-.427	4.67
57	MP1A	Mx	.000247	4.67
58	MP1B	X	-1.489	4.67
59	MP1B	Z	-.86	4.67
60	MP1B	Mx	.000287	4.67
61	MP1C	X	-.74	4.67
62	MP1C	Z	-.427	4.67
63	MP1C	Mx	-.000247	4.67
64	MP1A	X	-2.676	.17
65	MP1A	Z	-1.545	.17
66	MP1A	Mx	.001	.17
67	MP1A	X	-2.676	2.17
68	MP1A	Z	-1.545	2.17
69	MP1A	Mx	.001	2.17
70	MP1B	X	-4.173	.17
71	MP1B	Z	-2.409	.17
72	MP1B	Mx	.001	.17
73	MP1B	X	-4.173	2.17
74	MP1B	Z	-2.409	2.17
75	MP1B	Mx	.001	2.17
76	MP1C	X	-2.676	.17
77	MP1C	Z	-1.545	.17
78	MP1C	Mx	-.001	.17
79	MP1C	X	-2.676	2.17
80	MP1C	Z	-1.545	2.17
81	MP1C	Mx	-.001	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2A	X	-2.943	1
83	MP2A	Z	-1.699	1
84	MP2A	Mx	-.002	1
85	MP2B	X	-3.592	1
86	MP2B	Z	-2.074	1
87	MP2B	Mx	-.001	1
88	MP2C	X	-2.943	1
89	MP2C	Z	-1.699	1
90	MP2C	Mx	.002	1
91	MP3A	X	-2.569	1
92	MP3A	Z	-1.483	1
93	MP3A	Mx	-.002	1
94	MP3B	X	-3.467	1
95	MP3B	Z	-2.002	1
96	MP3B	Mx	-.001	1
97	MP3C	X	-2.569	1
98	MP3C	Z	-1.483	1
99	MP3C	Mx	.002	1
100	M100	X	-7.267	.25
101	M100	Z	-4.195	.25
102	M100	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-5.113	.17
2	MP4A	Z	-8.856	.17
3	MP4A	Mx	.003	.17
4	MP4A	X	-5.113	5.17
5	MP4A	Z	-8.856	5.17
6	MP4A	Mx	.003	5.17
7	MP4B	X	-4.179	.17
8	MP4B	Z	-7.239	.17
9	MP4B	Mx	.005	.17
10	MP4B	X	-4.179	5.17
11	MP4B	Z	-7.239	5.17
12	MP4B	Mx	.005	5.17
13	MP4C	X	-3.712	.17
14	MP4C	Z	-6.43	.17
15	MP4C	Mx	-.005	.17
16	MP4C	X	-3.712	5.17
17	MP4C	Z	-6.43	5.17
18	MP4C	Mx	-.005	5.17
19	MP3A	X	-4.516	.17
20	MP3A	Z	-7.821	.17
21	MP3A	Mx	-.002	.17
22	MP3A	X	-4.516	5.17
23	MP3A	Z	-7.821	5.17
24	MP3A	Mx	-.002	5.17
25	MP3B	X	-3.68	.17
26	MP3B	Z	-6.374	.17
27	MP3B	Mx	.007	.17
28	MP3B	X	-3.68	5.17
29	MP3B	Z	-6.374	5.17
30	MP3B	Mx	.007	5.17
31	MP3C	X	-3.262	.17
32	MP3C	Z	-5.651	.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	-.004	.17
34	MP3C	X	-3.262	5.17
35	MP3C	Z	-5.651	5.17
36	MP3C	Mx	-.004	5.17
37	MP3A	X	-4.516	.17
38	MP3A	Z	-7.821	.17
39	MP3A	Mx	.008	.17
40	MP3A	X	-4.516	5.17
41	MP3A	Z	-7.821	5.17
42	MP3A	Mx	.008	5.17
43	MP3B	X	-3.68	.17
44	MP3B	Z	-6.374	.17
45	MP3B	Mx	.002	.17
46	MP3B	X	-3.68	5.17
47	MP3B	Z	-6.374	5.17
48	MP3B	Mx	.002	5.17
49	MP3C	X	-3.262	.17
50	MP3C	Z	-5.651	.17
51	MP3C	Mx	-.004	.17
52	MP3C	X	-3.262	5.17
53	MP3C	Z	-5.651	5.17
54	MP3C	Mx	-.004	5.17
55	MP1A	X	-.86	4.67
56	MP1A	Z	-1.489	4.67
57	MP1A	Mx	.000287	4.67
58	MP1B	X	-.427	4.67
59	MP1B	Z	-.74	4.67
60	MP1B	Mx	.000247	4.67
61	MP1C	X	-.211	4.67
62	MP1C	Z	-.366	4.67
63	MP1C	Mx	-.000141	4.67
64	MP1A	X	-2.409	.17
65	MP1A	Z	-4.173	.17
66	MP1A	Mx	.001	.17
67	MP1A	X	-2.409	2.17
68	MP1A	Z	-4.173	2.17
69	MP1A	Mx	.001	2.17
70	MP1B	X	-1.545	.17
71	MP1B	Z	-2.676	.17
72	MP1B	Mx	.001	.17
73	MP1B	X	-1.545	2.17
74	MP1B	Z	-2.676	2.17
75	MP1B	Mx	.001	2.17
76	MP1C	X	-1.112	.17
77	MP1C	Z	-1.927	.17
78	MP1C	Mx	-.000927	.17
79	MP1C	X	-1.112	2.17
80	MP1C	Z	-1.927	2.17
81	MP1C	Mx	-.000927	2.17
82	MP2A	X	-2.074	1
83	MP2A	Z	-3.592	1
84	MP2A	Mx	-.001	1
85	MP2B	X	-1.699	1
86	MP2B	Z	-2.943	1
87	MP2B	Mx	-.002	1
88	MP2C	X	-1.511	1
89	MP2C	Z	-2.618	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP2C	Mx	.002	1
91	MP3A	X	-2.002	1
92	MP3A	Z	-3.467	1
93	MP3A	Mx	-.001	1
94	MP3B	X	-1.483	1
95	MP3B	Z	-2.569	1
96	MP3B	Mx	-.002	1
97	MP3C	X	-1.224	1
98	MP3C	Z	-2.12	1
99	MP3C	Mx	.002	1
100	M100	X	-4.583	.25
101	M100	Z	-7.937	.25
102	M100	Mx	0	.25

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%27.951

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%88.889

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	0

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	Y	-14.81	-14.81	0	%100
2	M34	Y	-14.81	-14.81	0	%100
3	M67	Y	-14.81	-14.81	0	%100
4	M10	Y	-11.947	-11.947	0	%100
5	M43	Y	-11.947	-11.947	0	%100
6	M35	Y	-11.947	-11.947	0	%100
7	M36	Y	-11.947	-11.947	0	%100
8	M68	Y	-11.947	-11.947	0	%100
9	M69	Y	-11.947	-11.947	0	%100
10	MP3A	Y	-9.177	-9.177	0	%100
11	MP4A	Y	-8.165	-8.165	0	%100
12	MP2A	Y	-8.165	-8.165	0	%100
13	MP1A	Y	-8.165	-8.165	0	%100
14	MP3C	Y	-9.177	-9.177	0	%100
15	MP4C	Y	-8.165	-8.165	0	%100
16	MP2C	Y	-8.165	-8.165	0	%100
17	MP1C	Y	-8.165	-8.165	0	%100
18	MP3B	Y	-9.177	-9.177	0	%100
19	MP4B	Y	-8.165	-8.165	0	%100
20	MP2B	Y	-8.165	-8.165	0	%100
21	MP1B	Y	-8.165	-8.165	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,%]
22	M100	Y	-8.165	-8.165	0	%100
23	M41	Y	-9.083	-9.083	0	%100
24	M1	Y	-10.443	-10.443	0	%100
25	M58A	Y	-10.443	-10.443	0	%100
26	M91A	Y	-10.443	-10.443	0	%100
27	M76	Y	-15.529	-15.529	0	%100
28	M77	Y	-15.529	-15.529	0	%100
29	M84	Y	-15.529	-15.529	0	%100
30	M85	Y	-15.529	-15.529	0	%100
31	M45	Y	-15.529	-15.529	0	%100
32	M46A	Y	-15.529	-15.529	0	%100
33	M50A	Y	-15.529	-15.529	0	%100
34	M51C	Y	-15.529	-15.529	0	%100
35	M78	Y	-15.529	-15.529	0	%100
36	M79A	Y	-15.529	-15.529	0	%100
37	M83A	Y	-15.529	-15.529	0	%100
38	M84A	Y	-15.529	-15.529	0	%100
39	M46	Y	-15.529	-15.529	0	%100
40	M80	Y	-15.529	-15.529	0	%100
41	M91	Y	-15.529	-15.529	0	%100
42	M37	Y	-15.529	-15.529	0	%100
43	M48	Y	-15.529	-15.529	0	%100
44	M53	Y	-15.529	-15.529	0	%100
45	M70	Y	-15.529	-15.529	0	%100
46	M81	Y	-15.529	-15.529	0	%100
47	M86	Y	-15.529	-15.529	0	%100
48	M91B	Y	-9.083	-9.083	0	%100
49	M92B	Y	-9.083	-9.083	0	%100
50	M93A	Y	-9.083	-9.083	0	%100
51	M96	Y	-9.083	-9.083	0	%100
52	M97	Y	-9.083	-9.083	0	%100
53	M101	Y	-16.265	-16.265	0	%100
54	M102	Y	-16.265	-16.265	0	%100
55	M103A	Y	-16.265	-16.265	0	%100
56	M108	Y	-9.177	-9.177	0	%100
57	M113	Y	-9.177	-9.177	0	%100
58	M118	Y	-9.177	-9.177	0	%100
59	M125	Y	-11.947	-11.947	0	%100
60	M126	Y	-11.947	-11.947	0	%100
61	M127	Y	-11.947	-11.947	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	-10.994	-10.994	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	-10.994	-10.994	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	-13.874	-13.874	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-13.874	-13.874	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	-3.469	-3.469	0	%100
13	M36	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,%]
14	M36	Z	-3.469	-3.469	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	-3.469	-3.469	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	-3.469	-3.469	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-10.756	-10.756	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	-8.886	-8.886	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-8.886	-8.886	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	-8.886	-8.886	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	-10.756	-10.756	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	-8.886	-8.886	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-8.886	-8.886	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-8.886	-8.886	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	-10.756	-10.756	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-8.886	-8.886	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-8.886	-8.886	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-8.886	-8.886	0	%100
43	M100	X	0	0	0	%100
44	M100	Z	-6.435	-6.435	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	-12.471	-12.471	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	-13.095	-13.095	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	-3.274	-3.274	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	-3.274	-3.274	0	%100
53	M76	X	0	0	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	-5.716	-5.716	0	%100
57	M84	X	0	0	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	-5.716	-5.716	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	-16.836	-16.836	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	-5.716	-5.716	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	-16.836	-16.836	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	-22.864	-22.864	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	-16.836	-16.836	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,%]
71	M79A	X	0	0	0	%100
72	M79A	Z	-5.716	-5.716	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	-16.836	-16.836	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	-22.864	-22.864	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	-22.448	-22.448	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-6.021	-6.021	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	-6.021	-6.021	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	-5.612	-5.612	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	-6.021	-6.021	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	-24.082	-24.082	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	-5.612	-5.612	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	-6.021	-6.021	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	-24.082	-24.082	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	-12.471	-12.471	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	-3.118	-3.118	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	-3.118	-3.118	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	-3.118	-3.118	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	-3.118	-3.118	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	-13.924	-13.924	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	-17.21	-17.21	0	%100
109	M103A	X	0	0	0	%100
110	M103A	Z	-17.21	-17.21	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	-10.756	-10.756	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	-2.689	-2.689	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	-2.689	-2.689	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	-3.159	-3.159	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	-3.159	-3.159	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	-12.635	-12.635	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	M4	X	1.832	1.832	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,%]
2	M4	Z	-3.174	-3.174	0	%100
3	M34	X	1.832	1.832	0	%100
4	M34	Z	-3.174	-3.174	0	%100
5	M67	X	7.329	7.329	0	%100
6	M67	Z	-12.694	-12.694	0	%100
7	M10	X	5.203	5.203	0	%100
8	M10	Z	-9.012	-9.012	0	%100
9	M43	X	5.203	5.203	0	%100
10	M43	Z	-9.012	-9.012	0	%100
11	M35	X	5.203	5.203	0	%100
12	M35	Z	-9.012	-9.012	0	%100
13	M36	X	5.203	5.203	0	%100
14	M36	Z	-9.012	-9.012	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	5.378	5.378	0	%100
20	MP3A	Z	-9.315	-9.315	0	%100
21	MP4A	X	4.443	4.443	0	%100
22	MP4A	Z	-7.695	-7.695	0	%100
23	MP2A	X	4.443	4.443	0	%100
24	MP2A	Z	-7.695	-7.695	0	%100
25	MP1A	X	4.443	4.443	0	%100
26	MP1A	Z	-7.695	-7.695	0	%100
27	MP3C	X	5.378	5.378	0	%100
28	MP3C	Z	-9.315	-9.315	0	%100
29	MP4C	X	4.443	4.443	0	%100
30	MP4C	Z	-7.695	-7.695	0	%100
31	MP2C	X	4.443	4.443	0	%100
32	MP2C	Z	-7.695	-7.695	0	%100
33	MP1C	X	4.443	4.443	0	%100
34	MP1C	Z	-7.695	-7.695	0	%100
35	MP3B	X	5.378	5.378	0	%100
36	MP3B	Z	-9.315	-9.315	0	%100
37	MP4B	X	4.443	4.443	0	%100
38	MP4B	Z	-7.695	-7.695	0	%100
39	MP2B	X	4.443	4.443	0	%100
40	MP2B	Z	-7.695	-7.695	0	%100
41	MP1B	X	4.443	4.443	0	%100
42	MP1B	Z	-7.695	-7.695	0	%100
43	M100	X	3.217	3.217	0	%100
44	M100	Z	-5.573	-5.573	0	%100
45	M41	X	4.677	4.677	0	%100
46	M41	Z	-8.1	-8.1	0	%100
47	M1	X	4.911	4.911	0	%100
48	M1	Z	-8.505	-8.505	0	%100
49	M58A	X	4.911	4.911	0	%100
50	M58A	Z	-8.505	-8.505	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	2.806	2.806	0	%100
54	M76	Z	-4.86	-4.86	0	%100
55	M77	X	8.574	8.574	0	%100
56	M77	Z	-14.851	-14.851	0	%100
57	M84	X	2.806	2.806	0	%100
58	M84	Z	-4.86	-4.86	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,%]
59	M85	X	0	0	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	2.806	2.806	0	%100
62	M45	Z	-4.86	-4.86	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	2.806	2.806	0	%100
66	M50A	Z	-4.86	-4.86	0	%100
67	M51C	X	8.574	8.574	0	%100
68	M51C	Z	-14.851	-14.851	0	%100
69	M78	X	11.224	11.224	0	%100
70	M78	Z	-19.441	-19.441	0	%100
71	M79A	X	8.574	8.574	0	%100
72	M79A	Z	-14.851	-14.851	0	%100
73	M83A	X	11.224	11.224	0	%100
74	M83A	Z	-19.441	-19.441	0	%100
75	M84A	X	8.574	8.574	0	%100
76	M84A	Z	-14.851	-14.851	0	%100
77	M46	X	8.418	8.418	0	%100
78	M46	Z	-14.581	-14.581	0	%100
79	M80	X	9.031	9.031	0	%100
80	M80	Z	-15.642	-15.642	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	8.418	8.418	0	%100
84	M37	Z	-14.581	-14.581	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	9.031	9.031	0	%100
88	M53	Z	-15.642	-15.642	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	9.031	9.031	0	%100
92	M81	Z	-15.642	-15.642	0	%100
93	M86	X	9.031	9.031	0	%100
94	M86	Z	-15.642	-15.642	0	%100
95	M91B	X	4.677	4.677	0	%100
96	M91B	Z	-8.1	-8.1	0	%100
97	M92B	X	4.677	4.677	0	%100
98	M92B	Z	-8.1	-8.1	0	%100
99	M93A	X	4.677	4.677	0	%100
100	M93A	Z	-8.1	-8.1	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	7.51	7.51	0	%100
106	M101	Z	-13.007	-13.007	0	%100
107	M102	X	7.51	7.51	0	%100
108	M102	Z	-13.007	-13.007	0	%100
109	M103A	X	9.153	9.153	0	%100
110	M103A	Z	-15.853	-15.853	0	%100
111	M108	X	4.034	4.034	0	%100
112	M108	Z	-6.987	-6.987	0	%100
113	M113	X	4.034	4.034	0	%100
114	M113	Z	-6.987	-6.987	0	%100
115	M118	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
116	M118	Z	0	0	0	%100
117	M125	X	4.738	4.738	0	%100
118	M125	Z	-8.207	-8.207	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	4.738	4.738	0	%100
122	M127	Z	-8.207	-8.207	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	M4	X	9.521	9.521	0	%100
2	M4	Z	-5.497	-5.497	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	9.521	9.521	0	%100
6	M67	Z	-5.497	-5.497	0	%100
7	M10	X	3.004	3.004	0	%100
8	M10	Z	-1.734	-1.734	0	%100
9	M43	X	3.004	3.004	0	%100
10	M43	Z	-1.734	-1.734	0	%100
11	M35	X	12.015	12.015	0	%100
12	M35	Z	-6.937	-6.937	0	%100
13	M36	X	12.015	12.015	0	%100
14	M36	Z	-6.937	-6.937	0	%100
15	M68	X	3.004	3.004	0	%100
16	M68	Z	-1.734	-1.734	0	%100
17	M69	X	3.004	3.004	0	%100
18	M69	Z	-1.734	-1.734	0	%100
19	MP3A	X	9.315	9.315	0	%100
20	MP3A	Z	-5.378	-5.378	0	%100
21	MP4A	X	7.695	7.695	0	%100
22	MP4A	Z	-4.443	-4.443	0	%100
23	MP2A	X	7.695	7.695	0	%100
24	MP2A	Z	-4.443	-4.443	0	%100
25	MP1A	X	7.695	7.695	0	%100
26	MP1A	Z	-4.443	-4.443	0	%100
27	MP3C	X	9.315	9.315	0	%100
28	MP3C	Z	-5.378	-5.378	0	%100
29	MP4C	X	7.695	7.695	0	%100
30	MP4C	Z	-4.443	-4.443	0	%100
31	MP2C	X	7.695	7.695	0	%100
32	MP2C	Z	-4.443	-4.443	0	%100
33	MP1C	X	7.695	7.695	0	%100
34	MP1C	Z	-4.443	-4.443	0	%100
35	MP3B	X	9.315	9.315	0	%100
36	MP3B	Z	-5.378	-5.378	0	%100
37	MP4B	X	7.695	7.695	0	%100
38	MP4B	Z	-4.443	-4.443	0	%100
39	MP2B	X	7.695	7.695	0	%100
40	MP2B	Z	-4.443	-4.443	0	%100
41	MP1B	X	7.695	7.695	0	%100
42	MP1B	Z	-4.443	-4.443	0	%100
43	M100	X	5.573	5.573	0	%100
44	M100	Z	-3.217	-3.217	0	%100
45	M41	X	2.7	2.7	0	%100
46	M41	Z	-1.559	-1.559	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,%]
47	M1	X	2.835	2.835	0	%100
48	M1	Z	-1.637	-1.637	0	%100
49	M58A	X	11.34	11.34	0	%100
50	M58A	Z	-6.547	-6.547	0	%100
51	M91A	X	2.835	2.835	0	%100
52	M91A	Z	-1.637	-1.637	0	%100
53	M76	X	14.581	14.581	0	%100
54	M76	Z	-8.418	-8.418	0	%100
55	M77	X	19.801	19.801	0	%100
56	M77	Z	-11.432	-11.432	0	%100
57	M84	X	14.581	14.581	0	%100
58	M84	Z	-8.418	-8.418	0	%100
59	M85	X	4.95	4.95	0	%100
60	M85	Z	-2.858	-2.858	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	4.95	4.95	0	%100
64	M46A	Z	-2.858	-2.858	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	4.95	4.95	0	%100
68	M51C	Z	-2.858	-2.858	0	%100
69	M78	X	14.581	14.581	0	%100
70	M78	Z	-8.418	-8.418	0	%100
71	M79A	X	19.801	19.801	0	%100
72	M79A	Z	-11.432	-11.432	0	%100
73	M83A	X	14.581	14.581	0	%100
74	M83A	Z	-8.418	-8.418	0	%100
75	M84A	X	4.95	4.95	0	%100
76	M84A	Z	-2.858	-2.858	0	%100
77	M46	X	4.86	4.86	0	%100
78	M46	Z	-2.806	-2.806	0	%100
79	M80	X	20.856	20.856	0	%100
80	M80	Z	-12.041	-12.041	0	%100
81	M91	X	5.214	5.214	0	%100
82	M91	Z	-3.01	-3.01	0	%100
83	M37	X	19.441	19.441	0	%100
84	M37	Z	-11.224	-11.224	0	%100
85	M48	X	5.214	5.214	0	%100
86	M48	Z	-3.01	-3.01	0	%100
87	M53	X	5.214	5.214	0	%100
88	M53	Z	-3.01	-3.01	0	%100
89	M70	X	4.86	4.86	0	%100
90	M70	Z	-2.806	-2.806	0	%100
91	M81	X	20.856	20.856	0	%100
92	M81	Z	-12.041	-12.041	0	%100
93	M86	X	5.214	5.214	0	%100
94	M86	Z	-3.01	-3.01	0	%100
95	M91B	X	2.7	2.7	0	%100
96	M91B	Z	-1.559	-1.559	0	%100
97	M92B	X	10.8	10.8	0	%100
98	M92B	Z	-6.236	-6.236	0	%100
99	M93A	X	10.8	10.8	0	%100
100	M93A	Z	-6.236	-6.236	0	%100
101	M96	X	2.7	2.7	0	%100
102	M96	Z	-1.559	-1.559	0	%100
103	M97	X	2.7	2.7	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,%]
104	M97	Z	-1.559	-1.559	0	%100
105	M101	X	14.904	14.904	0	%100
106	M101	Z	-8.605	-8.605	0	%100
107	M102	X	12.059	12.059	0	%100
108	M102	Z	-6.962	-6.962	0	%100
109	M103A	X	14.904	14.904	0	%100
110	M103A	Z	-8.605	-8.605	0	%100
111	M108	X	2.329	2.329	0	%100
112	M108	Z	-1.345	-1.345	0	%100
113	M113	X	9.315	9.315	0	%100
114	M113	Z	-5.378	-5.378	0	%100
115	M118	X	2.329	2.329	0	%100
116	M118	Z	-1.345	-1.345	0	%100
117	M125	X	10.943	10.943	0	%100
118	M125	Z	-6.318	-6.318	0	%100
119	M126	X	2.736	2.736	0	%100
120	M126	Z	-1.579	-1.579	0	%100
121	M127	X	2.736	2.736	0	%100
122	M127	Z	-1.579	-1.579	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	M4	X	14.658	14.658	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	3.665	3.665	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	3.665	3.665	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M35	X	10.406	10.406	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	10.406	10.406	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	10.406	10.406	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	10.406	10.406	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	10.756	10.756	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	8.886	8.886	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	8.886	8.886	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	8.886	8.886	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	10.756	10.756	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	8.886	8.886	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	8.886	8.886	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	8.886	8.886	0	%100
34	MP1C	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,%]
35	MP3B	X	10.756	10.756	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	8.886	8.886	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	8.886	8.886	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	8.886	8.886	0	%100
42	MP1B	Z	0	0	0	%100
43	M100	X	6.435	6.435	0	%100
44	M100	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	0	0	0	%100
49	M58A	X	9.821	9.821	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	9.821	9.821	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	22.448	22.448	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	17.148	17.148	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	22.448	22.448	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	17.148	17.148	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	5.612	5.612	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	17.148	17.148	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	5.612	5.612	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	0	0	0	%100
69	M78	X	5.612	5.612	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	17.148	17.148	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	5.612	5.612	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	0	0	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	0	0	0	%100
79	M80	X	18.062	18.062	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	18.062	18.062	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	16.836	16.836	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	18.062	18.062	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	0	0	0	%100
89	M70	X	16.836	16.836	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	18.062	18.062	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,%]
92	M81	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	0	0	0	%100
97	M92B	X	9.353	9.353	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	9.353	9.353	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	9.353	9.353	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	9.353	9.353	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	18.305	18.305	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	15.019	15.019	0	%100
108	M102	Z	0	0	0	%100
109	M103A	X	15.019	15.019	0	%100
110	M103A	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M113	X	8.067	8.067	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	8.067	8.067	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	9.477	9.477	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	9.477	9.477	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	0	0	0	%100
122	M127	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	M4	X	9.521	9.521	0	%100
2	M4	Z	5.497	5.497	0	%100
3	M34	X	9.521	9.521	0	%100
4	M34	Z	5.497	5.497	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	3.004	3.004	0	%100
8	M10	Z	1.734	1.734	0	%100
9	M43	X	3.004	3.004	0	%100
10	M43	Z	1.734	1.734	0	%100
11	M35	X	3.004	3.004	0	%100
12	M35	Z	1.734	1.734	0	%100
13	M36	X	3.004	3.004	0	%100
14	M36	Z	1.734	1.734	0	%100
15	M68	X	12.015	12.015	0	%100
16	M68	Z	6.937	6.937	0	%100
17	M69	X	12.015	12.015	0	%100
18	M69	Z	6.937	6.937	0	%100
19	MP3A	X	9.315	9.315	0	%100
20	MP3A	Z	5.378	5.378	0	%100
21	MP4A	X	7.695	7.695	0	%100
22	MP4A	Z	4.443	4.443	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,%]
23	MP2A	X	7.695	7.695	0	%100
24	MP2A	Z	4.443	4.443	0	%100
25	MP1A	X	7.695	7.695	0	%100
26	MP1A	Z	4.443	4.443	0	%100
27	MP3C	X	9.315	9.315	0	%100
28	MP3C	Z	5.378	5.378	0	%100
29	MP4C	X	7.695	7.695	0	%100
30	MP4C	Z	4.443	4.443	0	%100
31	MP2C	X	7.695	7.695	0	%100
32	MP2C	Z	4.443	4.443	0	%100
33	MP1C	X	7.695	7.695	0	%100
34	MP1C	Z	4.443	4.443	0	%100
35	MP3B	X	9.315	9.315	0	%100
36	MP3B	Z	5.378	5.378	0	%100
37	MP4B	X	7.695	7.695	0	%100
38	MP4B	Z	4.443	4.443	0	%100
39	MP2B	X	7.695	7.695	0	%100
40	MP2B	Z	4.443	4.443	0	%100
41	MP1B	X	7.695	7.695	0	%100
42	MP1B	Z	4.443	4.443	0	%100
43	M100	X	5.573	5.573	0	%100
44	M100	Z	3.217	3.217	0	%100
45	M41	X	2.7	2.7	0	%100
46	M41	Z	1.559	1.559	0	%100
47	M1	X	2.835	2.835	0	%100
48	M1	Z	1.637	1.637	0	%100
49	M58A	X	2.835	2.835	0	%100
50	M58A	Z	1.637	1.637	0	%100
51	M91A	X	11.34	11.34	0	%100
52	M91A	Z	6.547	6.547	0	%100
53	M76	X	14.581	14.581	0	%100
54	M76	Z	8.418	8.418	0	%100
55	M77	X	4.95	4.95	0	%100
56	M77	Z	2.858	2.858	0	%100
57	M84	X	14.581	14.581	0	%100
58	M84	Z	8.418	8.418	0	%100
59	M85	X	19.801	19.801	0	%100
60	M85	Z	11.432	11.432	0	%100
61	M45	X	14.581	14.581	0	%100
62	M45	Z	8.418	8.418	0	%100
63	M46A	X	19.801	19.801	0	%100
64	M46A	Z	11.432	11.432	0	%100
65	M50A	X	14.581	14.581	0	%100
66	M50A	Z	8.418	8.418	0	%100
67	M51C	X	4.95	4.95	0	%100
68	M51C	Z	2.858	2.858	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	4.95	4.95	0	%100
72	M79A	Z	2.858	2.858	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	4.95	4.95	0	%100
76	M84A	Z	2.858	2.858	0	%100
77	M46	X	4.86	4.86	0	%100
78	M46	Z	2.806	2.806	0	%100
79	M80	X	5.214	5.214	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,%]
80	M80	Z	3.01	3.01	0	%100
81	M91	X	20.856	20.856	0	%100
82	M91	Z	12.041	12.041	0	%100
83	M37	X	4.86	4.86	0	%100
84	M37	Z	2.806	2.806	0	%100
85	M48	X	20.856	20.856	0	%100
86	M48	Z	12.041	12.041	0	%100
87	M53	X	5.214	5.214	0	%100
88	M53	Z	3.01	3.01	0	%100
89	M70	X	19.441	19.441	0	%100
90	M70	Z	11.224	11.224	0	%100
91	M81	X	5.214	5.214	0	%100
92	M81	Z	3.01	3.01	0	%100
93	M86	X	5.214	5.214	0	%100
94	M86	Z	3.01	3.01	0	%100
95	M91B	X	2.7	2.7	0	%100
96	M91B	Z	1.559	1.559	0	%100
97	M92B	X	2.7	2.7	0	%100
98	M92B	Z	1.559	1.559	0	%100
99	M93A	X	2.7	2.7	0	%100
100	M93A	Z	1.559	1.559	0	%100
101	M96	X	10.8	10.8	0	%100
102	M96	Z	6.236	6.236	0	%100
103	M97	X	10.8	10.8	0	%100
104	M97	Z	6.236	6.236	0	%100
105	M101	X	14.904	14.904	0	%100
106	M101	Z	8.605	8.605	0	%100
107	M102	X	14.904	14.904	0	%100
108	M102	Z	8.605	8.605	0	%100
109	M103A	X	12.059	12.059	0	%100
110	M103A	Z	6.962	6.962	0	%100
111	M108	X	2.329	2.329	0	%100
112	M108	Z	1.345	1.345	0	%100
113	M113	X	2.329	2.329	0	%100
114	M113	Z	1.345	1.345	0	%100
115	M118	X	9.315	9.315	0	%100
116	M118	Z	5.378	5.378	0	%100
117	M125	X	2.736	2.736	0	%100
118	M125	Z	1.579	1.579	0	%100
119	M126	X	10.943	10.943	0	%100
120	M126	Z	6.318	6.318	0	%100
121	M127	X	2.736	2.736	0	%100
122	M127	Z	1.579	1.579	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	M4	X	1.832	1.832	0	%100
2	M4	Z	3.174	3.174	0	%100
3	M34	X	7.329	7.329	0	%100
4	M34	Z	12.694	12.694	0	%100
5	M67	X	1.832	1.832	0	%100
6	M67	Z	3.174	3.174	0	%100
7	M10	X	5.203	5.203	0	%100
8	M10	Z	9.012	9.012	0	%100
9	M43	X	5.203	5.203	0	%100
10	M43	Z	9.012	9.012	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,%]
11	M35	X	0	0	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	5.203	5.203	0	%100
16	M68	Z	9.012	9.012	0	%100
17	M69	X	5.203	5.203	0	%100
18	M69	Z	9.012	9.012	0	%100
19	MP3A	X	5.378	5.378	0	%100
20	MP3A	Z	9.315	9.315	0	%100
21	MP4A	X	4.443	4.443	0	%100
22	MP4A	Z	7.695	7.695	0	%100
23	MP2A	X	4.443	4.443	0	%100
24	MP2A	Z	7.695	7.695	0	%100
25	MP1A	X	4.443	4.443	0	%100
26	MP1A	Z	7.695	7.695	0	%100
27	MP3C	X	5.378	5.378	0	%100
28	MP3C	Z	9.315	9.315	0	%100
29	MP4C	X	4.443	4.443	0	%100
30	MP4C	Z	7.695	7.695	0	%100
31	MP2C	X	4.443	4.443	0	%100
32	MP2C	Z	7.695	7.695	0	%100
33	MP1C	X	4.443	4.443	0	%100
34	MP1C	Z	7.695	7.695	0	%100
35	MP3B	X	5.378	5.378	0	%100
36	MP3B	Z	9.315	9.315	0	%100
37	MP4B	X	4.443	4.443	0	%100
38	MP4B	Z	7.695	7.695	0	%100
39	MP2B	X	4.443	4.443	0	%100
40	MP2B	Z	7.695	7.695	0	%100
41	MP1B	X	4.443	4.443	0	%100
42	MP1B	Z	7.695	7.695	0	%100
43	M100	X	3.217	3.217	0	%100
44	M100	Z	5.573	5.573	0	%100
45	M41	X	4.677	4.677	0	%100
46	M41	Z	8.1	8.1	0	%100
47	M1	X	4.911	4.911	0	%100
48	M1	Z	8.505	8.505	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	4.911	4.911	0	%100
52	M91A	Z	8.505	8.505	0	%100
53	M76	X	2.806	2.806	0	%100
54	M76	Z	4.86	4.86	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	2.806	2.806	0	%100
58	M84	Z	4.86	4.86	0	%100
59	M85	X	8.574	8.574	0	%100
60	M85	Z	14.851	14.851	0	%100
61	M45	X	11.224	11.224	0	%100
62	M45	Z	19.441	19.441	0	%100
63	M46A	X	8.574	8.574	0	%100
64	M46A	Z	14.851	14.851	0	%100
65	M50A	X	11.224	11.224	0	%100
66	M50A	Z	19.441	19.441	0	%100
67	M51C	X	8.574	8.574	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,%]
68	M51C	Z	14.851	14.851	0	%100
69	M78	X	2.806	2.806	0	%100
70	M78	Z	4.86	4.86	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	2.806	2.806	0	%100
74	M83A	Z	4.86	4.86	0	%100
75	M84A	X	8.574	8.574	0	%100
76	M84A	Z	14.851	14.851	0	%100
77	M46	X	8.418	8.418	0	%100
78	M46	Z	14.581	14.581	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	9.031	9.031	0	%100
82	M91	Z	15.642	15.642	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	9.031	9.031	0	%100
86	M48	Z	15.642	15.642	0	%100
87	M53	X	9.031	9.031	0	%100
88	M53	Z	15.642	15.642	0	%100
89	M70	X	8.418	8.418	0	%100
90	M70	Z	14.581	14.581	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	9.031	9.031	0	%100
94	M86	Z	15.642	15.642	0	%100
95	M91B	X	4.677	4.677	0	%100
96	M91B	Z	8.1	8.1	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	4.677	4.677	0	%100
102	M96	Z	8.1	8.1	0	%100
103	M97	X	4.677	4.677	0	%100
104	M97	Z	8.1	8.1	0	%100
105	M101	X	7.51	7.51	0	%100
106	M101	Z	13.007	13.007	0	%100
107	M102	X	9.153	9.153	0	%100
108	M102	Z	15.853	15.853	0	%100
109	M103A	X	7.51	7.51	0	%100
110	M103A	Z	13.007	13.007	0	%100
111	M108	X	4.034	4.034	0	%100
112	M108	Z	6.987	6.987	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	4.034	4.034	0	%100
116	M118	Z	6.987	6.987	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	4.738	4.738	0	%100
120	M126	Z	8.207	8.207	0	%100
121	M127	X	4.738	4.738	0	%100
122	M127	Z	8.207	8.207	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	10.994	10.994	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	10.994	10.994	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	13.874	13.874	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	13.874	13.874	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	3.469	3.469	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	3.469	3.469	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	3.469	3.469	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	3.469	3.469	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	10.756	10.756	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	8.886	8.886	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	8.886	8.886	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	8.886	8.886	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	10.756	10.756	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	8.886	8.886	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	8.886	8.886	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	8.886	8.886	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	10.756	10.756	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	8.886	8.886	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	8.886	8.886	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	8.886	8.886	0	%100
43	M100	X	0	0	0	%100
44	M100	Z	6.435	6.435	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	12.471	12.471	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	13.095	13.095	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	3.274	3.274	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	3.274	3.274	0	%100
53	M76	X	0	0	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	5.716	5.716	0	%100
57	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,%]
58	M84	Z	0	0	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	5.716	5.716	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	16.836	16.836	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	5.716	5.716	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	16.836	16.836	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	22.864	22.864	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	16.836	16.836	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	5.716	5.716	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	16.836	16.836	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	22.864	22.864	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	22.448	22.448	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	6.021	6.021	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	6.021	6.021	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	5.612	5.612	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	6.021	6.021	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	24.082	24.082	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	5.612	5.612	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	6.021	6.021	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	24.082	24.082	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	12.471	12.471	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	3.118	3.118	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	3.118	3.118	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	3.118	3.118	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	3.118	3.118	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	13.924	13.924	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	17.21	17.21	0	%100
109	M103A	X	0	0	0	%100
110	M103A	Z	17.21	17.21	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	10.756	10.756	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	2.689	2.689	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,%]
115	M118	X	0	0	0	%100
116	M118	Z	2.689	2.689	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	3.159	3.159	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	3.159	3.159	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	12.635	12.635	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	M4	X	-1.832	-1.832	0	%100
2	M4	Z	3.174	3.174	0	%100
3	M34	X	-1.832	-1.832	0	%100
4	M34	Z	3.174	3.174	0	%100
5	M67	X	-7.329	-7.329	0	%100
6	M67	Z	12.694	12.694	0	%100
7	M10	X	-5.203	-5.203	0	%100
8	M10	Z	9.012	9.012	0	%100
9	M43	X	-5.203	-5.203	0	%100
10	M43	Z	9.012	9.012	0	%100
11	M35	X	-5.203	-5.203	0	%100
12	M35	Z	9.012	9.012	0	%100
13	M36	X	-5.203	-5.203	0	%100
14	M36	Z	9.012	9.012	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	-5.378	-5.378	0	%100
20	MP3A	Z	9.315	9.315	0	%100
21	MP4A	X	-4.443	-4.443	0	%100
22	MP4A	Z	7.695	7.695	0	%100
23	MP2A	X	-4.443	-4.443	0	%100
24	MP2A	Z	7.695	7.695	0	%100
25	MP1A	X	-4.443	-4.443	0	%100
26	MP1A	Z	7.695	7.695	0	%100
27	MP3C	X	-5.378	-5.378	0	%100
28	MP3C	Z	9.315	9.315	0	%100
29	MP4C	X	-4.443	-4.443	0	%100
30	MP4C	Z	7.695	7.695	0	%100
31	MP2C	X	-4.443	-4.443	0	%100
32	MP2C	Z	7.695	7.695	0	%100
33	MP1C	X	-4.443	-4.443	0	%100
34	MP1C	Z	7.695	7.695	0	%100
35	MP3B	X	-5.378	-5.378	0	%100
36	MP3B	Z	9.315	9.315	0	%100
37	MP4B	X	-4.443	-4.443	0	%100
38	MP4B	Z	7.695	7.695	0	%100
39	MP2B	X	-4.443	-4.443	0	%100
40	MP2B	Z	7.695	7.695	0	%100
41	MP1B	X	-4.443	-4.443	0	%100
42	MP1B	Z	7.695	7.695	0	%100
43	M100	X	-3.217	-3.217	0	%100
44	M100	Z	5.573	5.573	0	%100
45	M41	X	-4.677	-4.677	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,%]
46	M41	Z	8.1	8.1	0	%100
47	M1	X	-4.911	-4.911	0	%100
48	M1	Z	8.505	8.505	0	%100
49	M58A	X	-4.911	-4.911	0	%100
50	M58A	Z	8.505	8.505	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	-2.806	-2.806	0	%100
54	M76	Z	4.86	4.86	0	%100
55	M77	X	-8.574	-8.574	0	%100
56	M77	Z	14.851	14.851	0	%100
57	M84	X	-2.806	-2.806	0	%100
58	M84	Z	4.86	4.86	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	-2.806	-2.806	0	%100
62	M45	Z	4.86	4.86	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	-2.806	-2.806	0	%100
66	M50A	Z	4.86	4.86	0	%100
67	M51C	X	-8.574	-8.574	0	%100
68	M51C	Z	14.851	14.851	0	%100
69	M78	X	-11.224	-11.224	0	%100
70	M78	Z	19.441	19.441	0	%100
71	M79A	X	-8.574	-8.574	0	%100
72	M79A	Z	14.851	14.851	0	%100
73	M83A	X	-11.224	-11.224	0	%100
74	M83A	Z	19.441	19.441	0	%100
75	M84A	X	-8.574	-8.574	0	%100
76	M84A	Z	14.851	14.851	0	%100
77	M46	X	-8.418	-8.418	0	%100
78	M46	Z	14.581	14.581	0	%100
79	M80	X	-9.031	-9.031	0	%100
80	M80	Z	15.642	15.642	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	-8.418	-8.418	0	%100
84	M37	Z	14.581	14.581	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	-9.031	-9.031	0	%100
88	M53	Z	15.642	15.642	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	-9.031	-9.031	0	%100
92	M81	Z	15.642	15.642	0	%100
93	M86	X	-9.031	-9.031	0	%100
94	M86	Z	15.642	15.642	0	%100
95	M91B	X	-4.677	-4.677	0	%100
96	M91B	Z	8.1	8.1	0	%100
97	M92B	X	-4.677	-4.677	0	%100
98	M92B	Z	8.1	8.1	0	%100
99	M93A	X	-4.677	-4.677	0	%100
100	M93A	Z	8.1	8.1	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M97	X	0	0	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	-7.51	-7.51	0	%100
106	M101	Z	13.007	13.007	0	%100
107	M102	X	-7.51	-7.51	0	%100
108	M102	Z	13.007	13.007	0	%100
109	M103A	X	-9.153	-9.153	0	%100
110	M103A	Z	15.853	15.853	0	%100
111	M108	X	-4.034	-4.034	0	%100
112	M108	Z	6.987	6.987	0	%100
113	M113	X	-4.034	-4.034	0	%100
114	M113	Z	6.987	6.987	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	-4.738	-4.738	0	%100
118	M125	Z	8.207	8.207	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	-4.738	-4.738	0	%100
122	M127	Z	8.207	8.207	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	M4	X	-9.521	-9.521	0	%100
2	M4	Z	5.497	5.497	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	-9.521	-9.521	0	%100
6	M67	Z	5.497	5.497	0	%100
7	M10	X	-3.004	-3.004	0	%100
8	M10	Z	1.734	1.734	0	%100
9	M43	X	-3.004	-3.004	0	%100
10	M43	Z	1.734	1.734	0	%100
11	M35	X	-12.015	-12.015	0	%100
12	M35	Z	6.937	6.937	0	%100
13	M36	X	-12.015	-12.015	0	%100
14	M36	Z	6.937	6.937	0	%100
15	M68	X	-3.004	-3.004	0	%100
16	M68	Z	1.734	1.734	0	%100
17	M69	X	-3.004	-3.004	0	%100
18	M69	Z	1.734	1.734	0	%100
19	MP3A	X	-9.315	-9.315	0	%100
20	MP3A	Z	5.378	5.378	0	%100
21	MP4A	X	-7.695	-7.695	0	%100
22	MP4A	Z	4.443	4.443	0	%100
23	MP2A	X	-7.695	-7.695	0	%100
24	MP2A	Z	4.443	4.443	0	%100
25	MP1A	X	-7.695	-7.695	0	%100
26	MP1A	Z	4.443	4.443	0	%100
27	MP3C	X	-9.315	-9.315	0	%100
28	MP3C	Z	5.378	5.378	0	%100
29	MP4C	X	-7.695	-7.695	0	%100
30	MP4C	Z	4.443	4.443	0	%100
31	MP2C	X	-7.695	-7.695	0	%100
32	MP2C	Z	4.443	4.443	0	%100
33	MP1C	X	-7.695	-7.695	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,%]
34	MP1C	Z	4.443	4.443	0	%100
35	MP3B	X	-9.315	-9.315	0	%100
36	MP3B	Z	5.378	5.378	0	%100
37	MP4B	X	-7.695	-7.695	0	%100
38	MP4B	Z	4.443	4.443	0	%100
39	MP2B	X	-7.695	-7.695	0	%100
40	MP2B	Z	4.443	4.443	0	%100
41	MP1B	X	-7.695	-7.695	0	%100
42	MP1B	Z	4.443	4.443	0	%100
43	M100	X	-5.573	-5.573	0	%100
44	M100	Z	3.217	3.217	0	%100
45	M41	X	-2.7	-2.7	0	%100
46	M41	Z	1.559	1.559	0	%100
47	M1	X	-2.835	-2.835	0	%100
48	M1	Z	1.637	1.637	0	%100
49	M58A	X	-11.34	-11.34	0	%100
50	M58A	Z	6.547	6.547	0	%100
51	M91A	X	-2.835	-2.835	0	%100
52	M91A	Z	1.637	1.637	0	%100
53	M76	X	-14.581	-14.581	0	%100
54	M76	Z	8.418	8.418	0	%100
55	M77	X	-19.801	-19.801	0	%100
56	M77	Z	11.432	11.432	0	%100
57	M84	X	-14.581	-14.581	0	%100
58	M84	Z	8.418	8.418	0	%100
59	M85	X	-4.95	-4.95	0	%100
60	M85	Z	2.858	2.858	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	-4.95	-4.95	0	%100
64	M46A	Z	2.858	2.858	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	-4.95	-4.95	0	%100
68	M51C	Z	2.858	2.858	0	%100
69	M78	X	-14.581	-14.581	0	%100
70	M78	Z	8.418	8.418	0	%100
71	M79A	X	-19.801	-19.801	0	%100
72	M79A	Z	11.432	11.432	0	%100
73	M83A	X	-14.581	-14.581	0	%100
74	M83A	Z	8.418	8.418	0	%100
75	M84A	X	-4.95	-4.95	0	%100
76	M84A	Z	2.858	2.858	0	%100
77	M46	X	-4.86	-4.86	0	%100
78	M46	Z	2.806	2.806	0	%100
79	M80	X	-20.856	-20.856	0	%100
80	M80	Z	12.041	12.041	0	%100
81	M91	X	-5.214	-5.214	0	%100
82	M91	Z	3.01	3.01	0	%100
83	M37	X	-19.441	-19.441	0	%100
84	M37	Z	11.224	11.224	0	%100
85	M48	X	-5.214	-5.214	0	%100
86	M48	Z	3.01	3.01	0	%100
87	M53	X	-5.214	-5.214	0	%100
88	M53	Z	3.01	3.01	0	%100
89	M70	X	-4.86	-4.86	0	%100
90	M70	Z	2.806	2.806	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,%]
91	M81	X	-20.856	-20.856	0	%100
92	M81	Z	12.041	12.041	0	%100
93	M86	X	-5.214	-5.214	0	%100
94	M86	Z	3.01	3.01	0	%100
95	M91B	X	-2.7	-2.7	0	%100
96	M91B	Z	1.559	1.559	0	%100
97	M92B	X	-10.8	-10.8	0	%100
98	M92B	Z	6.236	6.236	0	%100
99	M93A	X	-10.8	-10.8	0	%100
100	M93A	Z	6.236	6.236	0	%100
101	M96	X	-2.7	-2.7	0	%100
102	M96	Z	1.559	1.559	0	%100
103	M97	X	-2.7	-2.7	0	%100
104	M97	Z	1.559	1.559	0	%100
105	M101	X	-14.904	-14.904	0	%100
106	M101	Z	8.605	8.605	0	%100
107	M102	X	-12.059	-12.059	0	%100
108	M102	Z	6.962	6.962	0	%100
109	M103A	X	-14.904	-14.904	0	%100
110	M103A	Z	8.605	8.605	0	%100
111	M108	X	-2.329	-2.329	0	%100
112	M108	Z	1.345	1.345	0	%100
113	M113	X	-9.315	-9.315	0	%100
114	M113	Z	5.378	5.378	0	%100
115	M118	X	-2.329	-2.329	0	%100
116	M118	Z	1.345	1.345	0	%100
117	M125	X	-10.943	-10.943	0	%100
118	M125	Z	6.318	6.318	0	%100
119	M126	X	-2.736	-2.736	0	%100
120	M126	Z	1.579	1.579	0	%100
121	M127	X	-2.736	-2.736	0	%100
122	M127	Z	1.579	1.579	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	M4	X	-14.658	-14.658	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	-3.665	-3.665	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	-3.665	-3.665	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M35	X	-10.406	-10.406	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	-10.406	-10.406	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	-10.406	-10.406	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	-10.406	-10.406	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	-10.756	-10.756	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	-8.886	-8.886	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,%]
22	MP4A	Z	0	0	0	%100
23	MP2A	X	-8.886	-8.886	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	-8.886	-8.886	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	-10.756	-10.756	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	-8.886	-8.886	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	-8.886	-8.886	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-8.886	-8.886	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	-10.756	-10.756	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	-8.886	-8.886	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	-8.886	-8.886	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-8.886	-8.886	0	%100
42	MP1B	Z	0	0	0	%100
43	M100	X	-6.435	-6.435	0	%100
44	M100	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	0	0	0	%100
49	M58A	X	-9.821	-9.821	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	-9.821	-9.821	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	-22.448	-22.448	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	-17.148	-17.148	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	-22.448	-22.448	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	-17.148	-17.148	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	-5.612	-5.612	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	-17.148	-17.148	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	-5.612	-5.612	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	0	0	0	%100
69	M78	X	-5.612	-5.612	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	-17.148	-17.148	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	-5.612	-5.612	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	0	0	0	%100
77	M46	X	0	0	0	%100
78	M46	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,%]
79	M80	X	-18.062	-18.062	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	-18.062	-18.062	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	-16.836	-16.836	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	-18.062	-18.062	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	0	0	0	%100
89	M70	X	-16.836	-16.836	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	-18.062	-18.062	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	0	0	0	%100
97	M92B	X	-9.353	-9.353	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	-9.353	-9.353	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	-9.353	-9.353	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	-9.353	-9.353	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	-18.305	-18.305	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	-15.019	-15.019	0	%100
108	M102	Z	0	0	0	%100
109	M103A	X	-15.019	-15.019	0	%100
110	M103A	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M113	X	-8.067	-8.067	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	-8.067	-8.067	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	-9.477	-9.477	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	-9.477	-9.477	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	0	0	0	%100
122	M127	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	M4	X	-9.521	-9.521	0	%100
2	M4	Z	-5.497	-5.497	0	%100
3	M34	X	-9.521	-9.521	0	%100
4	M34	Z	-5.497	-5.497	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	-3.004	-3.004	0	%100
8	M10	Z	-1.734	-1.734	0	%100
9	M43	X	-3.004	-3.004	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,%]
10	M43	Z	-1.734	-1.734	0	%100
11	M35	X	-3.004	-3.004	0	%100
12	M35	Z	-1.734	-1.734	0	%100
13	M36	X	-3.004	-3.004	0	%100
14	M36	Z	-1.734	-1.734	0	%100
15	M68	X	-12.015	-12.015	0	%100
16	M68	Z	-6.937	-6.937	0	%100
17	M69	X	-12.015	-12.015	0	%100
18	M69	Z	-6.937	-6.937	0	%100
19	MP3A	X	-9.315	-9.315	0	%100
20	MP3A	Z	-5.378	-5.378	0	%100
21	MP4A	X	-7.695	-7.695	0	%100
22	MP4A	Z	-4.443	-4.443	0	%100
23	MP2A	X	-7.695	-7.695	0	%100
24	MP2A	Z	-4.443	-4.443	0	%100
25	MP1A	X	-7.695	-7.695	0	%100
26	MP1A	Z	-4.443	-4.443	0	%100
27	MP3C	X	-9.315	-9.315	0	%100
28	MP3C	Z	-5.378	-5.378	0	%100
29	MP4C	X	-7.695	-7.695	0	%100
30	MP4C	Z	-4.443	-4.443	0	%100
31	MP2C	X	-7.695	-7.695	0	%100
32	MP2C	Z	-4.443	-4.443	0	%100
33	MP1C	X	-7.695	-7.695	0	%100
34	MP1C	Z	-4.443	-4.443	0	%100
35	MP3B	X	-9.315	-9.315	0	%100
36	MP3B	Z	-5.378	-5.378	0	%100
37	MP4B	X	-7.695	-7.695	0	%100
38	MP4B	Z	-4.443	-4.443	0	%100
39	MP2B	X	-7.695	-7.695	0	%100
40	MP2B	Z	-4.443	-4.443	0	%100
41	MP1B	X	-7.695	-7.695	0	%100
42	MP1B	Z	-4.443	-4.443	0	%100
43	M100	X	-5.573	-5.573	0	%100
44	M100	Z	-3.217	-3.217	0	%100
45	M41	X	-2.7	-2.7	0	%100
46	M41	Z	-1.559	-1.559	0	%100
47	M1	X	-2.835	-2.835	0	%100
48	M1	Z	-1.637	-1.637	0	%100
49	M58A	X	-2.835	-2.835	0	%100
50	M58A	Z	-1.637	-1.637	0	%100
51	M91A	X	-11.34	-11.34	0	%100
52	M91A	Z	-6.547	-6.547	0	%100
53	M76	X	-14.581	-14.581	0	%100
54	M76	Z	-8.418	-8.418	0	%100
55	M77	X	-4.95	-4.95	0	%100
56	M77	Z	-2.858	-2.858	0	%100
57	M84	X	-14.581	-14.581	0	%100
58	M84	Z	-8.418	-8.418	0	%100
59	M85	X	-19.801	-19.801	0	%100
60	M85	Z	-11.432	-11.432	0	%100
61	M45	X	-14.581	-14.581	0	%100
62	M45	Z	-8.418	-8.418	0	%100
63	M46A	X	-19.801	-19.801	0	%100
64	M46A	Z	-11.432	-11.432	0	%100
65	M50A	X	-14.581	-14.581	0	%100
66	M50A	Z	-8.418	-8.418	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,%]
67	M51C	X	-4.95	-4.95	0	%100
68	M51C	Z	-2.858	-2.858	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	-4.95	-4.95	0	%100
72	M79A	Z	-2.858	-2.858	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	-4.95	-4.95	0	%100
76	M84A	Z	-2.858	-2.858	0	%100
77	M46	X	-4.86	-4.86	0	%100
78	M46	Z	-2.806	-2.806	0	%100
79	M80	X	-5.214	-5.214	0	%100
80	M80	Z	-3.01	-3.01	0	%100
81	M91	X	-20.856	-20.856	0	%100
82	M91	Z	-12.041	-12.041	0	%100
83	M37	X	-4.86	-4.86	0	%100
84	M37	Z	-2.806	-2.806	0	%100
85	M48	X	-20.856	-20.856	0	%100
86	M48	Z	-12.041	-12.041	0	%100
87	M53	X	-5.214	-5.214	0	%100
88	M53	Z	-3.01	-3.01	0	%100
89	M70	X	-19.441	-19.441	0	%100
90	M70	Z	-11.224	-11.224	0	%100
91	M81	X	-5.214	-5.214	0	%100
92	M81	Z	-3.01	-3.01	0	%100
93	M86	X	-5.214	-5.214	0	%100
94	M86	Z	-3.01	-3.01	0	%100
95	M91B	X	-2.7	-2.7	0	%100
96	M91B	Z	-1.559	-1.559	0	%100
97	M92B	X	-2.7	-2.7	0	%100
98	M92B	Z	-1.559	-1.559	0	%100
99	M93A	X	-2.7	-2.7	0	%100
100	M93A	Z	-1.559	-1.559	0	%100
101	M96	X	-10.8	-10.8	0	%100
102	M96	Z	-6.236	-6.236	0	%100
103	M97	X	-10.8	-10.8	0	%100
104	M97	Z	-6.236	-6.236	0	%100
105	M101	X	-14.904	-14.904	0	%100
106	M101	Z	-8.605	-8.605	0	%100
107	M102	X	-14.904	-14.904	0	%100
108	M102	Z	-8.605	-8.605	0	%100
109	M103A	X	-12.059	-12.059	0	%100
110	M103A	Z	-6.962	-6.962	0	%100
111	M108	X	-2.329	-2.329	0	%100
112	M108	Z	-1.345	-1.345	0	%100
113	M113	X	-2.329	-2.329	0	%100
114	M113	Z	-1.345	-1.345	0	%100
115	M118	X	-9.315	-9.315	0	%100
116	M118	Z	-5.378	-5.378	0	%100
117	M125	X	-2.736	-2.736	0	%100
118	M125	Z	-1.579	-1.579	0	%100
119	M126	X	-10.943	-10.943	0	%100
120	M126	Z	-6.318	-6.318	0	%100
121	M127	X	-2.736	-2.736	0	%100
122	M127	Z	-1.579	-1.579	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	M4	X	-1.832	-1.832	0	%100
2	M4	Z	-3.174	-3.174	0	%100
3	M34	X	-7.329	-7.329	0	%100
4	M34	Z	-12.694	-12.694	0	%100
5	M67	X	-1.832	-1.832	0	%100
6	M67	Z	-3.174	-3.174	0	%100
7	M10	X	-5.203	-5.203	0	%100
8	M10	Z	-9.012	-9.012	0	%100
9	M43	X	-5.203	-5.203	0	%100
10	M43	Z	-9.012	-9.012	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	-5.203	-5.203	0	%100
16	M68	Z	-9.012	-9.012	0	%100
17	M69	X	-5.203	-5.203	0	%100
18	M69	Z	-9.012	-9.012	0	%100
19	MP3A	X	-5.378	-5.378	0	%100
20	MP3A	Z	-9.315	-9.315	0	%100
21	MP4A	X	-4.443	-4.443	0	%100
22	MP4A	Z	-7.695	-7.695	0	%100
23	MP2A	X	-4.443	-4.443	0	%100
24	MP2A	Z	-7.695	-7.695	0	%100
25	MP1A	X	-4.443	-4.443	0	%100
26	MP1A	Z	-7.695	-7.695	0	%100
27	MP3C	X	-5.378	-5.378	0	%100
28	MP3C	Z	-9.315	-9.315	0	%100
29	MP4C	X	-4.443	-4.443	0	%100
30	MP4C	Z	-7.695	-7.695	0	%100
31	MP2C	X	-4.443	-4.443	0	%100
32	MP2C	Z	-7.695	-7.695	0	%100
33	MP1C	X	-4.443	-4.443	0	%100
34	MP1C	Z	-7.695	-7.695	0	%100
35	MP3B	X	-5.378	-5.378	0	%100
36	MP3B	Z	-9.315	-9.315	0	%100
37	MP4B	X	-4.443	-4.443	0	%100
38	MP4B	Z	-7.695	-7.695	0	%100
39	MP2B	X	-4.443	-4.443	0	%100
40	MP2B	Z	-7.695	-7.695	0	%100
41	MP1B	X	-4.443	-4.443	0	%100
42	MP1B	Z	-7.695	-7.695	0	%100
43	M100	X	-3.217	-3.217	0	%100
44	M100	Z	-5.573	-5.573	0	%100
45	M41	X	-4.677	-4.677	0	%100
46	M41	Z	-8.1	-8.1	0	%100
47	M1	X	-4.911	-4.911	0	%100
48	M1	Z	-8.505	-8.505	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	-4.911	-4.911	0	%100
52	M91A	Z	-8.505	-8.505	0	%100
53	M76	X	-2.806	-2.806	0	%100
54	M76	Z	-4.86	-4.86	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	-2.806	-2.806	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M84	Z	-4.86	-4.86	0	%100
59	M85	X	-8.574	-8.574	0	%100
60	M85	Z	-14.851	-14.851	0	%100
61	M45	X	-11.224	-11.224	0	%100
62	M45	Z	-19.441	-19.441	0	%100
63	M46A	X	-8.574	-8.574	0	%100
64	M46A	Z	-14.851	-14.851	0	%100
65	M50A	X	-11.224	-11.224	0	%100
66	M50A	Z	-19.441	-19.441	0	%100
67	M51C	X	-8.574	-8.574	0	%100
68	M51C	Z	-14.851	-14.851	0	%100
69	M78	X	-2.806	-2.806	0	%100
70	M78	Z	-4.86	-4.86	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	-2.806	-2.806	0	%100
74	M83A	Z	-4.86	-4.86	0	%100
75	M84A	X	-8.574	-8.574	0	%100
76	M84A	Z	-14.851	-14.851	0	%100
77	M46	X	-8.418	-8.418	0	%100
78	M46	Z	-14.581	-14.581	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	-9.031	-9.031	0	%100
82	M91	Z	-15.642	-15.642	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	-9.031	-9.031	0	%100
86	M48	Z	-15.642	-15.642	0	%100
87	M53	X	-9.031	-9.031	0	%100
88	M53	Z	-15.642	-15.642	0	%100
89	M70	X	-8.418	-8.418	0	%100
90	M70	Z	-14.581	-14.581	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	-9.031	-9.031	0	%100
94	M86	Z	-15.642	-15.642	0	%100
95	M91B	X	-4.677	-4.677	0	%100
96	M91B	Z	-8.1	-8.1	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	-4.677	-4.677	0	%100
102	M96	Z	-8.1	-8.1	0	%100
103	M97	X	-4.677	-4.677	0	%100
104	M97	Z	-8.1	-8.1	0	%100
105	M101	X	-7.51	-7.51	0	%100
106	M101	Z	-13.007	-13.007	0	%100
107	M102	X	-9.153	-9.153	0	%100
108	M102	Z	-15.853	-15.853	0	%100
109	M103A	X	-7.51	-7.51	0	%100
110	M103A	Z	-13.007	-13.007	0	%100
111	M108	X	-4.034	-4.034	0	%100
112	M108	Z	-6.987	-6.987	0	%100
113	M113	X	0	0	0	%100
114	M113	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,%]
115	M118	X	-4.034	-4.034	0	%100
116	M118	Z	-6.987	-6.987	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	-4.738	-4.738	0	%100
120	M126	Z	-8.207	-8.207	0	%100
121	M127	X	-4.738	-4.738	0	%100
122	M127	Z	-8.207	-8.207	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	-3.473	-3.473	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	-3.473	-3.473	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	-4.041	-4.041	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-4.041	-4.041	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	-1.01	-1.01	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	-1.01	-1.01	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	-1.01	-1.01	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	-1.01	-1.01	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-4.023	-4.023	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	-3.687	-3.687	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-3.687	-3.687	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	-3.687	-3.687	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	-4.023	-4.023	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	-3.687	-3.687	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-3.687	-3.687	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-3.687	-3.687	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	-4.023	-4.023	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-3.687	-3.687	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-3.687	-3.687	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-3.687	-3.687	0	%100
43	M100	X	0	0	0	%100
44	M100	Z	-2.65	-2.65	0	%100
45	M41	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	M41	Z	-4.089	-4.089	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	-4.578	-4.578	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	-1.144	-1.144	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	-1.144	-1.144	0	%100
53	M76	X	0	0	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	-1.351	-1.351	0	%100
57	M84	X	0	0	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	-1.351	-1.351	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	-3.997	-3.997	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	-1.351	-1.351	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	-3.997	-3.997	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	-5.404	-5.404	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	-3.997	-3.997	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	-1.351	-1.351	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	-3.997	-3.997	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	-5.404	-5.404	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	-5.38	-5.38	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-1.406	-1.406	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	-1.406	-1.406	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	-1.345	-1.345	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	-1.406	-1.406	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	-5.623	-5.623	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	-1.345	-1.345	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	-1.406	-1.406	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	-5.623	-5.623	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	-4.089	-4.089	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	-1.022	-1.022	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	-1.022	-1.022	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	-1.022	-1.022	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	M97	X	0	0	0	%100
104	M97	Z	-1.022	-1.022	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	-3.447	-3.447	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	-4.887	-4.887	0	%100
109	M103A	X	0	0	0	%100
110	M103A	Z	-4.887	-4.887	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	-4.158	-4.158	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	-1.039	-1.039	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	-1.039	-1.039	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	-.921	-.921	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	-.921	-.921	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	-3.684	-3.684	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	M4	X	.579	.579	0	%100
2	M4	Z	-1.002	-1.002	0	%100
3	M34	X	.579	.579	0	%100
4	M34	Z	-1.002	-1.002	0	%100
5	M67	X	2.315	2.315	0	%100
6	M67	Z	-4.01	-4.01	0	%100
7	M10	X	1.516	1.516	0	%100
8	M10	Z	-2.625	-2.625	0	%100
9	M43	X	1.516	1.516	0	%100
10	M43	Z	-2.625	-2.625	0	%100
11	M35	X	1.516	1.516	0	%100
12	M35	Z	-2.625	-2.625	0	%100
13	M36	X	1.516	1.516	0	%100
14	M36	Z	-2.625	-2.625	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	2.011	2.011	0	%100
20	MP3A	Z	-3.484	-3.484	0	%100
21	MP4A	X	1.843	1.843	0	%100
22	MP4A	Z	-3.193	-3.193	0	%100
23	MP2A	X	1.843	1.843	0	%100
24	MP2A	Z	-3.193	-3.193	0	%100
25	MP1A	X	1.843	1.843	0	%100
26	MP1A	Z	-3.193	-3.193	0	%100
27	MP3C	X	2.011	2.011	0	%100
28	MP3C	Z	-3.484	-3.484	0	%100
29	MP4C	X	1.843	1.843	0	%100
30	MP4C	Z	-3.193	-3.193	0	%100
31	MP2C	X	1.843	1.843	0	%100
32	MP2C	Z	-3.193	-3.193	0	%100
33	MP1C	X	1.843	1.843	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,%]
34	MP1C	Z	-3.193	-3.193	0	%100
35	MP3B	X	2.011	2.011	0	%100
36	MP3B	Z	-3.484	-3.484	0	%100
37	MP4B	X	1.843	1.843	0	%100
38	MP4B	Z	-3.193	-3.193	0	%100
39	MP2B	X	1.843	1.843	0	%100
40	MP2B	Z	-3.193	-3.193	0	%100
41	MP1B	X	1.843	1.843	0	%100
42	MP1B	Z	-3.193	-3.193	0	%100
43	M100	X	1.325	1.325	0	%100
44	M100	Z	-2.295	-2.295	0	%100
45	M41	X	1.533	1.533	0	%100
46	M41	Z	-2.656	-2.656	0	%100
47	M1	X	1.717	1.717	0	%100
48	M1	Z	-2.973	-2.973	0	%100
49	M58A	X	1.717	1.717	0	%100
50	M58A	Z	-2.973	-2.973	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	.666	.666	0	%100
54	M76	Z	-1.154	-1.154	0	%100
55	M77	X	2.027	2.027	0	%100
56	M77	Z	-3.51	-3.51	0	%100
57	M84	X	.666	.666	0	%100
58	M84	Z	-1.154	-1.154	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	.666	.666	0	%100
62	M45	Z	-1.154	-1.154	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	.666	.666	0	%100
66	M50A	Z	-1.154	-1.154	0	%100
67	M51C	X	2.027	2.027	0	%100
68	M51C	Z	-3.51	-3.51	0	%100
69	M78	X	2.665	2.665	0	%100
70	M78	Z	-4.615	-4.615	0	%100
71	M79A	X	2.027	2.027	0	%100
72	M79A	Z	-3.51	-3.51	0	%100
73	M83A	X	2.665	2.665	0	%100
74	M83A	Z	-4.615	-4.615	0	%100
75	M84A	X	2.027	2.027	0	%100
76	M84A	Z	-3.51	-3.51	0	%100
77	M46	X	2.018	2.018	0	%100
78	M46	Z	-3.495	-3.495	0	%100
79	M80	X	2.109	2.109	0	%100
80	M80	Z	-3.652	-3.652	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	2.018	2.018	0	%100
84	M37	Z	-3.495	-3.495	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	2.109	2.109	0	%100
88	M53	Z	-3.652	-3.652	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	M81	X	2.109	2.109	0	%100
92	M81	Z	-3.652	-3.652	0	%100
93	M86	X	2.109	2.109	0	%100
94	M86	Z	-3.652	-3.652	0	%100
95	M91B	X	1.533	1.533	0	%100
96	M91B	Z	-2.656	-2.656	0	%100
97	M92B	X	1.533	1.533	0	%100
98	M92B	Z	-2.656	-2.656	0	%100
99	M93A	X	1.533	1.533	0	%100
100	M93A	Z	-2.656	-2.656	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	1.964	1.964	0	%100
106	M101	Z	-3.401	-3.401	0	%100
107	M102	X	1.964	1.964	0	%100
108	M102	Z	-3.401	-3.401	0	%100
109	M103A	X	2.684	2.684	0	%100
110	M103A	Z	-4.648	-4.648	0	%100
111	M108	X	1.559	1.559	0	%100
112	M108	Z	-2.701	-2.701	0	%100
113	M113	X	1.559	1.559	0	%100
114	M113	Z	-2.701	-2.701	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	1.382	1.382	0	%100
118	M125	Z	-2.393	-2.393	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	1.382	1.382	0	%100
122	M127	Z	-2.393	-2.393	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	M4	X	3.007	3.007	0	%100
2	M4	Z	-1.736	-1.736	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	3.007	3.007	0	%100
6	M67	Z	-1.736	-1.736	0	%100
7	M10	X	.875	.875	0	%100
8	M10	Z	-.505	-.505	0	%100
9	M43	X	.875	.875	0	%100
10	M43	Z	-.505	-.505	0	%100
11	M35	X	3.5	3.5	0	%100
12	M35	Z	-2.021	-2.021	0	%100
13	M36	X	3.5	3.5	0	%100
14	M36	Z	-2.021	-2.021	0	%100
15	M68	X	.875	.875	0	%100
16	M68	Z	-.505	-.505	0	%100
17	M69	X	.875	.875	0	%100
18	M69	Z	-.505	-.505	0	%100
19	MP3A	X	3.484	3.484	0	%100
20	MP3A	Z	-2.011	-2.011	0	%100
21	MP4A	X	3.193	3.193	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,%]
22	MP4A	Z	-1.843	-1.843	0	%100
23	MP2A	X	3.193	3.193	0	%100
24	MP2A	Z	-1.843	-1.843	0	%100
25	MP1A	X	3.193	3.193	0	%100
26	MP1A	Z	-1.843	-1.843	0	%100
27	MP3C	X	3.484	3.484	0	%100
28	MP3C	Z	-2.011	-2.011	0	%100
29	MP4C	X	3.193	3.193	0	%100
30	MP4C	Z	-1.843	-1.843	0	%100
31	MP2C	X	3.193	3.193	0	%100
32	MP2C	Z	-1.843	-1.843	0	%100
33	MP1C	X	3.193	3.193	0	%100
34	MP1C	Z	-1.843	-1.843	0	%100
35	MP3B	X	3.484	3.484	0	%100
36	MP3B	Z	-2.011	-2.011	0	%100
37	MP4B	X	3.193	3.193	0	%100
38	MP4B	Z	-1.843	-1.843	0	%100
39	MP2B	X	3.193	3.193	0	%100
40	MP2B	Z	-1.843	-1.843	0	%100
41	MP1B	X	3.193	3.193	0	%100
42	MP1B	Z	-1.843	-1.843	0	%100
43	M100	X	2.295	2.295	0	%100
44	M100	Z	-1.325	-1.325	0	%100
45	M41	X	.885	.885	0	%100
46	M41	Z	-.511	-.511	0	%100
47	M1	X	.991	.991	0	%100
48	M1	Z	-.572	-.572	0	%100
49	M58A	X	3.965	3.965	0	%100
50	M58A	Z	-2.289	-2.289	0	%100
51	M91A	X	.991	.991	0	%100
52	M91A	Z	-.572	-.572	0	%100
53	M76	X	3.462	3.462	0	%100
54	M76	Z	-1.999	-1.999	0	%100
55	M77	X	4.68	4.68	0	%100
56	M77	Z	-2.702	-2.702	0	%100
57	M84	X	3.462	3.462	0	%100
58	M84	Z	-1.999	-1.999	0	%100
59	M85	X	1.17	1.17	0	%100
60	M85	Z	-.676	-.676	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	1.17	1.17	0	%100
64	M46A	Z	-.676	-.676	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	1.17	1.17	0	%100
68	M51C	Z	-.676	-.676	0	%100
69	M78	X	3.462	3.462	0	%100
70	M78	Z	-1.999	-1.999	0	%100
71	M79A	X	4.68	4.68	0	%100
72	M79A	Z	-2.702	-2.702	0	%100
73	M83A	X	3.462	3.462	0	%100
74	M83A	Z	-1.999	-1.999	0	%100
75	M84A	X	1.17	1.17	0	%100
76	M84A	Z	-.676	-.676	0	%100
77	M46	X	1.165	1.165	0	%100
78	M46	Z	-.673	-.673	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,%]
79	M80	X	4.869	4.869	0	%100
80	M80	Z	-2.811	-2.811	0	%100
81	M91	X	1.217	1.217	0	%100
82	M91	Z	-.703	-.703	0	%100
83	M37	X	4.659	4.659	0	%100
84	M37	Z	-2.69	-2.69	0	%100
85	M48	X	1.217	1.217	0	%100
86	M48	Z	-.703	-.703	0	%100
87	M53	X	1.217	1.217	0	%100
88	M53	Z	-.703	-.703	0	%100
89	M70	X	1.165	1.165	0	%100
90	M70	Z	-.673	-.673	0	%100
91	M81	X	4.869	4.869	0	%100
92	M81	Z	-2.811	-2.811	0	%100
93	M86	X	1.217	1.217	0	%100
94	M86	Z	-.703	-.703	0	%100
95	M91B	X	.885	.885	0	%100
96	M91B	Z	-.511	-.511	0	%100
97	M92B	X	3.541	3.541	0	%100
98	M92B	Z	-2.044	-2.044	0	%100
99	M93A	X	3.541	3.541	0	%100
100	M93A	Z	-2.044	-2.044	0	%100
101	M96	X	.885	.885	0	%100
102	M96	Z	-.511	-.511	0	%100
103	M97	X	.885	.885	0	%100
104	M97	Z	-.511	-.511	0	%100
105	M101	X	4.233	4.233	0	%100
106	M101	Z	-2.444	-2.444	0	%100
107	M102	X	2.986	2.986	0	%100
108	M102	Z	-1.724	-1.724	0	%100
109	M103A	X	4.233	4.233	0	%100
110	M103A	Z	-2.444	-2.444	0	%100
111	M108	X	.9	.9	0	%100
112	M108	Z	-.52	-.52	0	%100
113	M113	X	3.601	3.601	0	%100
114	M113	Z	-2.079	-2.079	0	%100
115	M118	X	.9	.9	0	%100
116	M118	Z	-.52	-.52	0	%100
117	M125	X	3.191	3.191	0	%100
118	M125	Z	-1.842	-1.842	0	%100
119	M126	X	.798	.798	0	%100
120	M126	Z	-.461	-.461	0	%100
121	M127	X	.798	.798	0	%100
122	M127	Z	-.461	-.461	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	M4	X	4.63	4.63	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	1.158	1.158	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	1.158	1.158	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	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,%]
10	M43	Z	0	0	0	%100
11	M35	X	3.031	3.031	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	3.031	3.031	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	3.031	3.031	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	3.031	3.031	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	4.023	4.023	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	3.687	3.687	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	3.687	3.687	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	3.687	3.687	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	4.023	4.023	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	3.687	3.687	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	3.687	3.687	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	3.687	3.687	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	4.023	4.023	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	3.687	3.687	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	3.687	3.687	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	3.687	3.687	0	%100
42	MP1B	Z	0	0	0	%100
43	M100	X	2.65	2.65	0	%100
44	M100	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	0	0	0	%100
49	M58A	X	3.433	3.433	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	3.433	3.433	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	5.329	5.329	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	4.053	4.053	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	5.329	5.329	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	4.053	4.053	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	1.332	1.332	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	4.053	4.053	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	1.332	1.332	0	%100
66	M50A	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,%]
67	M51C	X	0	0	0	%100
68	M51C	Z	0	0	0	%100
69	M78	X	1.332	1.332	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	4.053	4.053	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	1.332	1.332	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	0	0	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	0	0	0	%100
79	M80	X	4.217	4.217	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	4.217	4.217	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	4.035	4.035	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	4.217	4.217	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	0	0	0	%100
89	M70	X	4.035	4.035	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	4.217	4.217	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	0	0	0	%100
97	M92B	X	3.066	3.066	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	3.066	3.066	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	3.066	3.066	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	3.066	3.066	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	5.367	5.367	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	3.927	3.927	0	%100
108	M102	Z	0	0	0	%100
109	M103A	X	3.927	3.927	0	%100
110	M103A	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M113	X	3.118	3.118	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	3.118	3.118	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	2.763	2.763	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	2.763	2.763	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	0	0	0	%100
122	M127	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	M4	X	3.007	3.007	0	%100
2	M4	Z	1.736	1.736	0	%100
3	M34	X	3.007	3.007	0	%100
4	M34	Z	1.736	1.736	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	.875	.875	0	%100
8	M10	Z	.505	.505	0	%100
9	M43	X	.875	.875	0	%100
10	M43	Z	.505	.505	0	%100
11	M35	X	.875	.875	0	%100
12	M35	Z	.505	.505	0	%100
13	M36	X	.875	.875	0	%100
14	M36	Z	.505	.505	0	%100
15	M68	X	3.5	3.5	0	%100
16	M68	Z	2.021	2.021	0	%100
17	M69	X	3.5	3.5	0	%100
18	M69	Z	2.021	2.021	0	%100
19	MP3A	X	3.484	3.484	0	%100
20	MP3A	Z	2.011	2.011	0	%100
21	MP4A	X	3.193	3.193	0	%100
22	MP4A	Z	1.843	1.843	0	%100
23	MP2A	X	3.193	3.193	0	%100
24	MP2A	Z	1.843	1.843	0	%100
25	MP1A	X	3.193	3.193	0	%100
26	MP1A	Z	1.843	1.843	0	%100
27	MP3C	X	3.484	3.484	0	%100
28	MP3C	Z	2.011	2.011	0	%100
29	MP4C	X	3.193	3.193	0	%100
30	MP4C	Z	1.843	1.843	0	%100
31	MP2C	X	3.193	3.193	0	%100
32	MP2C	Z	1.843	1.843	0	%100
33	MP1C	X	3.193	3.193	0	%100
34	MP1C	Z	1.843	1.843	0	%100
35	MP3B	X	3.484	3.484	0	%100
36	MP3B	Z	2.011	2.011	0	%100
37	MP4B	X	3.193	3.193	0	%100
38	MP4B	Z	1.843	1.843	0	%100
39	MP2B	X	3.193	3.193	0	%100
40	MP2B	Z	1.843	1.843	0	%100
41	MP1B	X	3.193	3.193	0	%100
42	MP1B	Z	1.843	1.843	0	%100
43	M100	X	2.295	2.295	0	%100
44	M100	Z	1.325	1.325	0	%100
45	M41	X	.885	.885	0	%100
46	M41	Z	.511	.511	0	%100
47	M1	X	.991	.991	0	%100
48	M1	Z	.572	.572	0	%100
49	M58A	X	.991	.991	0	%100
50	M58A	Z	.572	.572	0	%100
51	M91A	X	3.965	3.965	0	%100
52	M91A	Z	2.289	2.289	0	%100
53	M76	X	3.462	3.462	0	%100
54	M76	Z	1.999	1.999	0	%100
55	M77	X	1.17	1.17	0	%100
56	M77	Z	.676	.676	0	%100
57	M84	X	3.462	3.462	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M84	Z	1.999	1.999	0	%100
59	M85	X	4.68	4.68	0	%100
60	M85	Z	2.702	2.702	0	%100
61	M45	X	3.462	3.462	0	%100
62	M45	Z	1.999	1.999	0	%100
63	M46A	X	4.68	4.68	0	%100
64	M46A	Z	2.702	2.702	0	%100
65	M50A	X	3.462	3.462	0	%100
66	M50A	Z	1.999	1.999	0	%100
67	M51C	X	1.17	1.17	0	%100
68	M51C	Z	.676	.676	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	1.17	1.17	0	%100
72	M79A	Z	.676	.676	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	1.17	1.17	0	%100
76	M84A	Z	.676	.676	0	%100
77	M46	X	1.165	1.165	0	%100
78	M46	Z	.673	.673	0	%100
79	M80	X	1.217	1.217	0	%100
80	M80	Z	.703	.703	0	%100
81	M91	X	4.869	4.869	0	%100
82	M91	Z	2.811	2.811	0	%100
83	M37	X	1.165	1.165	0	%100
84	M37	Z	.673	.673	0	%100
85	M48	X	4.869	4.869	0	%100
86	M48	Z	2.811	2.811	0	%100
87	M53	X	1.217	1.217	0	%100
88	M53	Z	.703	.703	0	%100
89	M70	X	4.659	4.659	0	%100
90	M70	Z	2.69	2.69	0	%100
91	M81	X	1.217	1.217	0	%100
92	M81	Z	.703	.703	0	%100
93	M86	X	1.217	1.217	0	%100
94	M86	Z	.703	.703	0	%100
95	M91B	X	.885	.885	0	%100
96	M91B	Z	.511	.511	0	%100
97	M92B	X	.885	.885	0	%100
98	M92B	Z	.511	.511	0	%100
99	M93A	X	.885	.885	0	%100
100	M93A	Z	.511	.511	0	%100
101	M96	X	3.541	3.541	0	%100
102	M96	Z	2.044	2.044	0	%100
103	M97	X	3.541	3.541	0	%100
104	M97	Z	2.044	2.044	0	%100
105	M101	X	4.233	4.233	0	%100
106	M101	Z	2.444	2.444	0	%100
107	M102	X	4.233	4.233	0	%100
108	M102	Z	2.444	2.444	0	%100
109	M103A	X	2.986	2.986	0	%100
110	M103A	Z	1.724	1.724	0	%100
111	M108	X	.9	.9	0	%100
112	M108	Z	.52	.52	0	%100
113	M113	X	.9	.9	0	%100
114	M113	Z	.52	.52	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,%]
115	M118	X	3.601	3.601	0	%100
116	M118	Z	2.079	2.079	0	%100
117	M125	X	.798	.798	0	%100
118	M125	Z	.461	.461	0	%100
119	M126	X	3.191	3.191	0	%100
120	M126	Z	1.842	1.842	0	%100
121	M127	X	.798	.798	0	%100
122	M127	Z	.461	.461	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	M4	X	.579	.579	0	%100
2	M4	Z	1.002	1.002	0	%100
3	M34	X	2.315	2.315	0	%100
4	M34	Z	4.01	4.01	0	%100
5	M67	X	.579	.579	0	%100
6	M67	Z	1.002	1.002	0	%100
7	M10	X	1.516	1.516	0	%100
8	M10	Z	2.625	2.625	0	%100
9	M43	X	1.516	1.516	0	%100
10	M43	Z	2.625	2.625	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	1.516	1.516	0	%100
16	M68	Z	2.625	2.625	0	%100
17	M69	X	1.516	1.516	0	%100
18	M69	Z	2.625	2.625	0	%100
19	MP3A	X	2.011	2.011	0	%100
20	MP3A	Z	3.484	3.484	0	%100
21	MP4A	X	1.843	1.843	0	%100
22	MP4A	Z	3.193	3.193	0	%100
23	MP2A	X	1.843	1.843	0	%100
24	MP2A	Z	3.193	3.193	0	%100
25	MP1A	X	1.843	1.843	0	%100
26	MP1A	Z	3.193	3.193	0	%100
27	MP3C	X	2.011	2.011	0	%100
28	MP3C	Z	3.484	3.484	0	%100
29	MP4C	X	1.843	1.843	0	%100
30	MP4C	Z	3.193	3.193	0	%100
31	MP2C	X	1.843	1.843	0	%100
32	MP2C	Z	3.193	3.193	0	%100
33	MP1C	X	1.843	1.843	0	%100
34	MP1C	Z	3.193	3.193	0	%100
35	MP3B	X	2.011	2.011	0	%100
36	MP3B	Z	3.484	3.484	0	%100
37	MP4B	X	1.843	1.843	0	%100
38	MP4B	Z	3.193	3.193	0	%100
39	MP2B	X	1.843	1.843	0	%100
40	MP2B	Z	3.193	3.193	0	%100
41	MP1B	X	1.843	1.843	0	%100
42	MP1B	Z	3.193	3.193	0	%100
43	M100	X	1.325	1.325	0	%100
44	M100	Z	2.295	2.295	0	%100
45	M41	X	1.533	1.533	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,%]
46	M41	Z	2.656	2.656	0	%100
47	M1	X	1.717	1.717	0	%100
48	M1	Z	2.973	2.973	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	1.717	1.717	0	%100
52	M91A	Z	2.973	2.973	0	%100
53	M76	X	.666	.666	0	%100
54	M76	Z	1.154	1.154	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	.666	.666	0	%100
58	M84	Z	1.154	1.154	0	%100
59	M85	X	2.027	2.027	0	%100
60	M85	Z	3.51	3.51	0	%100
61	M45	X	2.665	2.665	0	%100
62	M45	Z	4.615	4.615	0	%100
63	M46A	X	2.027	2.027	0	%100
64	M46A	Z	3.51	3.51	0	%100
65	M50A	X	2.665	2.665	0	%100
66	M50A	Z	4.615	4.615	0	%100
67	M51C	X	2.027	2.027	0	%100
68	M51C	Z	3.51	3.51	0	%100
69	M78	X	.666	.666	0	%100
70	M78	Z	1.154	1.154	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	.666	.666	0	%100
74	M83A	Z	1.154	1.154	0	%100
75	M84A	X	2.027	2.027	0	%100
76	M84A	Z	3.51	3.51	0	%100
77	M46	X	2.018	2.018	0	%100
78	M46	Z	3.495	3.495	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	2.109	2.109	0	%100
82	M91	Z	3.652	3.652	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	2.109	2.109	0	%100
86	M48	Z	3.652	3.652	0	%100
87	M53	X	2.109	2.109	0	%100
88	M53	Z	3.652	3.652	0	%100
89	M70	X	2.018	2.018	0	%100
90	M70	Z	3.495	3.495	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	2.109	2.109	0	%100
94	M86	Z	3.652	3.652	0	%100
95	M91B	X	1.533	1.533	0	%100
96	M91B	Z	2.656	2.656	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	1.533	1.533	0	%100
102	M96	Z	2.656	2.656	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,%]
103	M97	X	1.533	1.533	0	%100
104	M97	Z	2.656	2.656	0	%100
105	M101	X	1.964	1.964	0	%100
106	M101	Z	3.401	3.401	0	%100
107	M102	X	2.684	2.684	0	%100
108	M102	Z	4.648	4.648	0	%100
109	M103A	X	1.964	1.964	0	%100
110	M103A	Z	3.401	3.401	0	%100
111	M108	X	1.559	1.559	0	%100
112	M108	Z	2.701	2.701	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	1.559	1.559	0	%100
116	M118	Z	2.701	2.701	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	1.382	1.382	0	%100
120	M126	Z	2.393	2.393	0	%100
121	M127	X	1.382	1.382	0	%100
122	M127	Z	2.393	2.393	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	3.473	3.473	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	3.473	3.473	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	4.041	4.041	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	4.041	4.041	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	1.01	1.01	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	1.01	1.01	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	1.01	1.01	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	1.01	1.01	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	4.023	4.023	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	3.687	3.687	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	3.687	3.687	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	3.687	3.687	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	4.023	4.023	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	3.687	3.687	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	3.687	3.687	0	%100
33	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	MP1C	Z	3.687	3.687	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	4.023	4.023	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	3.687	3.687	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	3.687	3.687	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	3.687	3.687	0	%100
43	M100	X	0	0	0	%100
44	M100	Z	2.65	2.65	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	4.089	4.089	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	4.578	4.578	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	1.144	1.144	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	1.144	1.144	0	%100
53	M76	X	0	0	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	1.351	1.351	0	%100
57	M84	X	0	0	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	1.351	1.351	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	3.997	3.997	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	1.351	1.351	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	3.997	3.997	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	5.404	5.404	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	3.997	3.997	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	1.351	1.351	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	3.997	3.997	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	5.404	5.404	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	5.38	5.38	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	1.406	1.406	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	1.406	1.406	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	1.345	1.345	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	1.406	1.406	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	5.623	5.623	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	1.345	1.345	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,%]
91	M81	X	0	0	0	%100
92	M81	Z	1.406	1.406	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	5.623	5.623	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	4.089	4.089	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	1.022	1.022	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	1.022	1.022	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	1.022	1.022	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	1.022	1.022	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	3.447	3.447	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	4.887	4.887	0	%100
109	M103A	X	0	0	0	%100
110	M103A	Z	4.887	4.887	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	4.158	4.158	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	1.039	1.039	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	1.039	1.039	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	.921	.921	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	.921	.921	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	3.684	3.684	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	M4	X	-.579	-.579	0	%100
2	M4	Z	1.002	1.002	0	%100
3	M34	X	-.579	-.579	0	%100
4	M34	Z	1.002	1.002	0	%100
5	M67	X	-2.315	-2.315	0	%100
6	M67	Z	4.01	4.01	0	%100
7	M10	X	-1.516	-1.516	0	%100
8	M10	Z	2.625	2.625	0	%100
9	M43	X	-1.516	-1.516	0	%100
10	M43	Z	2.625	2.625	0	%100
11	M35	X	-1.516	-1.516	0	%100
12	M35	Z	2.625	2.625	0	%100
13	M36	X	-1.516	-1.516	0	%100
14	M36	Z	2.625	2.625	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	-2.011	-2.011	0	%100
20	MP3A	Z	3.484	3.484	0	%100
21	MP4A	X	-1.843	-1.843	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,%]
22	MP4A	Z	3.193	3.193	0	%100
23	MP2A	X	-1.843	-1.843	0	%100
24	MP2A	Z	3.193	3.193	0	%100
25	MP1A	X	-1.843	-1.843	0	%100
26	MP1A	Z	3.193	3.193	0	%100
27	MP3C	X	-2.011	-2.011	0	%100
28	MP3C	Z	3.484	3.484	0	%100
29	MP4C	X	-1.843	-1.843	0	%100
30	MP4C	Z	3.193	3.193	0	%100
31	MP2C	X	-1.843	-1.843	0	%100
32	MP2C	Z	3.193	3.193	0	%100
33	MP1C	X	-1.843	-1.843	0	%100
34	MP1C	Z	3.193	3.193	0	%100
35	MP3B	X	-2.011	-2.011	0	%100
36	MP3B	Z	3.484	3.484	0	%100
37	MP4B	X	-1.843	-1.843	0	%100
38	MP4B	Z	3.193	3.193	0	%100
39	MP2B	X	-1.843	-1.843	0	%100
40	MP2B	Z	3.193	3.193	0	%100
41	MP1B	X	-1.843	-1.843	0	%100
42	MP1B	Z	3.193	3.193	0	%100
43	M100	X	-1.325	-1.325	0	%100
44	M100	Z	2.295	2.295	0	%100
45	M41	X	-1.533	-1.533	0	%100
46	M41	Z	2.656	2.656	0	%100
47	M1	X	-1.717	-1.717	0	%100
48	M1	Z	2.973	2.973	0	%100
49	M58A	X	-1.717	-1.717	0	%100
50	M58A	Z	2.973	2.973	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	-.666	-.666	0	%100
54	M76	Z	1.154	1.154	0	%100
55	M77	X	-2.027	-2.027	0	%100
56	M77	Z	3.51	3.51	0	%100
57	M84	X	-.666	-.666	0	%100
58	M84	Z	1.154	1.154	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	-.666	-.666	0	%100
62	M45	Z	1.154	1.154	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	-.666	-.666	0	%100
66	M50A	Z	1.154	1.154	0	%100
67	M51C	X	-2.027	-2.027	0	%100
68	M51C	Z	3.51	3.51	0	%100
69	M78	X	-2.665	-2.665	0	%100
70	M78	Z	4.615	4.615	0	%100
71	M79A	X	-2.027	-2.027	0	%100
72	M79A	Z	3.51	3.51	0	%100
73	M83A	X	-2.665	-2.665	0	%100
74	M83A	Z	4.615	4.615	0	%100
75	M84A	X	-2.027	-2.027	0	%100
76	M84A	Z	3.51	3.51	0	%100
77	M46	X	-2.018	-2.018	0	%100
78	M46	Z	3.495	3.495	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,%]
79	M80	X	-2.109	-2.109	0	%100
80	M80	Z	3.652	3.652	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	-2.018	-2.018	0	%100
84	M37	Z	3.495	3.495	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	-2.109	-2.109	0	%100
88	M53	Z	3.652	3.652	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	-2.109	-2.109	0	%100
92	M81	Z	3.652	3.652	0	%100
93	M86	X	-2.109	-2.109	0	%100
94	M86	Z	3.652	3.652	0	%100
95	M91B	X	-1.533	-1.533	0	%100
96	M91B	Z	2.656	2.656	0	%100
97	M92B	X	-1.533	-1.533	0	%100
98	M92B	Z	2.656	2.656	0	%100
99	M93A	X	-1.533	-1.533	0	%100
100	M93A	Z	2.656	2.656	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	-1.964	-1.964	0	%100
106	M101	Z	3.401	3.401	0	%100
107	M102	X	-1.964	-1.964	0	%100
108	M102	Z	3.401	3.401	0	%100
109	M103A	X	-2.684	-2.684	0	%100
110	M103A	Z	4.648	4.648	0	%100
111	M108	X	-1.559	-1.559	0	%100
112	M108	Z	2.701	2.701	0	%100
113	M113	X	-1.559	-1.559	0	%100
114	M113	Z	2.701	2.701	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	-1.382	-1.382	0	%100
118	M125	Z	2.393	2.393	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	-1.382	-1.382	0	%100
122	M127	Z	2.393	2.393	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	M4	X	-3.007	-3.007	0	%100
2	M4	Z	1.736	1.736	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	-3.007	-3.007	0	%100
6	M67	Z	1.736	1.736	0	%100
7	M10	X	-.875	-.875	0	%100
8	M10	Z	.505	.505	0	%100
9	M43	X	-.875	-.875	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,%]
10	M43	Z	.505	.505	0	%100
11	M35	X	-3.5	-3.5	0	%100
12	M35	Z	2.021	2.021	0	%100
13	M36	X	-3.5	-3.5	0	%100
14	M36	Z	2.021	2.021	0	%100
15	M68	X	-.875	-.875	0	%100
16	M68	Z	.505	.505	0	%100
17	M69	X	-.875	-.875	0	%100
18	M69	Z	.505	.505	0	%100
19	MP3A	X	-3.484	-3.484	0	%100
20	MP3A	Z	2.011	2.011	0	%100
21	MP4A	X	-3.193	-3.193	0	%100
22	MP4A	Z	1.843	1.843	0	%100
23	MP2A	X	-3.193	-3.193	0	%100
24	MP2A	Z	1.843	1.843	0	%100
25	MP1A	X	-3.193	-3.193	0	%100
26	MP1A	Z	1.843	1.843	0	%100
27	MP3C	X	-3.484	-3.484	0	%100
28	MP3C	Z	2.011	2.011	0	%100
29	MP4C	X	-3.193	-3.193	0	%100
30	MP4C	Z	1.843	1.843	0	%100
31	MP2C	X	-3.193	-3.193	0	%100
32	MP2C	Z	1.843	1.843	0	%100
33	MP1C	X	-3.193	-3.193	0	%100
34	MP1C	Z	1.843	1.843	0	%100
35	MP3B	X	-3.484	-3.484	0	%100
36	MP3B	Z	2.011	2.011	0	%100
37	MP4B	X	-3.193	-3.193	0	%100
38	MP4B	Z	1.843	1.843	0	%100
39	MP2B	X	-3.193	-3.193	0	%100
40	MP2B	Z	1.843	1.843	0	%100
41	MP1B	X	-3.193	-3.193	0	%100
42	MP1B	Z	1.843	1.843	0	%100
43	M100	X	-2.295	-2.295	0	%100
44	M100	Z	1.325	1.325	0	%100
45	M41	X	-.885	-.885	0	%100
46	M41	Z	.511	.511	0	%100
47	M1	X	-.991	-.991	0	%100
48	M1	Z	.572	.572	0	%100
49	M58A	X	-3.965	-3.965	0	%100
50	M58A	Z	2.289	2.289	0	%100
51	M91A	X	-.991	-.991	0	%100
52	M91A	Z	.572	.572	0	%100
53	M76	X	-3.462	-3.462	0	%100
54	M76	Z	1.999	1.999	0	%100
55	M77	X	-4.68	-4.68	0	%100
56	M77	Z	2.702	2.702	0	%100
57	M84	X	-3.462	-3.462	0	%100
58	M84	Z	1.999	1.999	0	%100
59	M85	X	-1.17	-1.17	0	%100
60	M85	Z	.676	.676	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	-1.17	-1.17	0	%100
64	M46A	Z	.676	.676	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	0	0	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,%]
67	M51C	X	-1.17	-1.17	0	%100
68	M51C	Z	.676	.676	0	%100
69	M78	X	-3.462	-3.462	0	%100
70	M78	Z	1.999	1.999	0	%100
71	M79A	X	-4.68	-4.68	0	%100
72	M79A	Z	2.702	2.702	0	%100
73	M83A	X	-3.462	-3.462	0	%100
74	M83A	Z	1.999	1.999	0	%100
75	M84A	X	-1.17	-1.17	0	%100
76	M84A	Z	.676	.676	0	%100
77	M46	X	-1.165	-1.165	0	%100
78	M46	Z	.673	.673	0	%100
79	M80	X	-4.869	-4.869	0	%100
80	M80	Z	2.811	2.811	0	%100
81	M91	X	-1.217	-1.217	0	%100
82	M91	Z	.703	.703	0	%100
83	M37	X	-4.659	-4.659	0	%100
84	M37	Z	2.69	2.69	0	%100
85	M48	X	-1.217	-1.217	0	%100
86	M48	Z	.703	.703	0	%100
87	M53	X	-1.217	-1.217	0	%100
88	M53	Z	.703	.703	0	%100
89	M70	X	-1.165	-1.165	0	%100
90	M70	Z	.673	.673	0	%100
91	M81	X	-4.869	-4.869	0	%100
92	M81	Z	2.811	2.811	0	%100
93	M86	X	-1.217	-1.217	0	%100
94	M86	Z	.703	.703	0	%100
95	M91B	X	-.885	-.885	0	%100
96	M91B	Z	.511	.511	0	%100
97	M92B	X	-3.541	-3.541	0	%100
98	M92B	Z	2.044	2.044	0	%100
99	M93A	X	-3.541	-3.541	0	%100
100	M93A	Z	2.044	2.044	0	%100
101	M96	X	-.885	-.885	0	%100
102	M96	Z	.511	.511	0	%100
103	M97	X	-.885	-.885	0	%100
104	M97	Z	.511	.511	0	%100
105	M101	X	-4.233	-4.233	0	%100
106	M101	Z	2.444	2.444	0	%100
107	M102	X	-2.986	-2.986	0	%100
108	M102	Z	1.724	1.724	0	%100
109	M103A	X	-4.233	-4.233	0	%100
110	M103A	Z	2.444	2.444	0	%100
111	M108	X	-.9	-.9	0	%100
112	M108	Z	.52	.52	0	%100
113	M113	X	-3.601	-3.601	0	%100
114	M113	Z	2.079	2.079	0	%100
115	M118	X	-.9	-.9	0	%100
116	M118	Z	.52	.52	0	%100
117	M125	X	-3.191	-3.191	0	%100
118	M125	Z	1.842	1.842	0	%100
119	M126	X	-.798	-.798	0	%100
120	M126	Z	.461	.461	0	%100
121	M127	X	-.798	-.798	0	%100
122	M127	Z	.461	.461	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	M4	X	-4.63	-4.63	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	-1.158	-1.158	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	-1.158	-1.158	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M35	X	-3.031	-3.031	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	-3.031	-3.031	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	-3.031	-3.031	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	-3.031	-3.031	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	-4.023	-4.023	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	-3.687	-3.687	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	-3.687	-3.687	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	-3.687	-3.687	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	-4.023	-4.023	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	-3.687	-3.687	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	-3.687	-3.687	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-3.687	-3.687	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	-4.023	-4.023	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	-3.687	-3.687	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	-3.687	-3.687	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-3.687	-3.687	0	%100
42	MP1B	Z	0	0	0	%100
43	M100	X	-2.65	-2.65	0	%100
44	M100	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	0	0	0	%100
49	M58A	X	-3.433	-3.433	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	-3.433	-3.433	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	-5.329	-5.329	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	-4.053	-4.053	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	-5.329	-5.329	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M84	Z	0	0	0	%100
59	M85	X	-4.053	-4.053	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	-1.332	-1.332	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	-4.053	-4.053	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	-1.332	-1.332	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	0	0	0	%100
69	M78	X	-1.332	-1.332	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	-4.053	-4.053	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	-1.332	-1.332	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	0	0	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	0	0	0	%100
79	M80	X	-4.217	-4.217	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	-4.217	-4.217	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	-4.035	-4.035	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	-4.217	-4.217	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	0	0	0	%100
89	M70	X	-4.035	-4.035	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	-4.217	-4.217	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	0	0	0	%100
97	M92B	X	-3.066	-3.066	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	-3.066	-3.066	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	-3.066	-3.066	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	-3.066	-3.066	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	-5.367	-5.367	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	-3.927	-3.927	0	%100
108	M102	Z	0	0	0	%100
109	M103A	X	-3.927	-3.927	0	%100
110	M103A	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M113	X	-3.118	-3.118	0	%100
114	M113	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,%]
115	M118	X	-3.118	-3.118	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	-2.763	-2.763	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	-2.763	-2.763	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	0	0	0	%100
122	M127	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	M4	X	-3.007	-3.007	0	%100
2	M4	Z	-1.736	-1.736	0	%100
3	M34	X	-3.007	-3.007	0	%100
4	M34	Z	-1.736	-1.736	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	-.875	-.875	0	%100
8	M10	Z	-.505	-.505	0	%100
9	M43	X	-.875	-.875	0	%100
10	M43	Z	-.505	-.505	0	%100
11	M35	X	-.875	-.875	0	%100
12	M35	Z	-.505	-.505	0	%100
13	M36	X	-.875	-.875	0	%100
14	M36	Z	-.505	-.505	0	%100
15	M68	X	-3.5	-3.5	0	%100
16	M68	Z	-2.021	-2.021	0	%100
17	M69	X	-3.5	-3.5	0	%100
18	M69	Z	-2.021	-2.021	0	%100
19	MP3A	X	-3.484	-3.484	0	%100
20	MP3A	Z	-2.011	-2.011	0	%100
21	MP4A	X	-3.193	-3.193	0	%100
22	MP4A	Z	-1.843	-1.843	0	%100
23	MP2A	X	-3.193	-3.193	0	%100
24	MP2A	Z	-1.843	-1.843	0	%100
25	MP1A	X	-3.193	-3.193	0	%100
26	MP1A	Z	-1.843	-1.843	0	%100
27	MP3C	X	-3.484	-3.484	0	%100
28	MP3C	Z	-2.011	-2.011	0	%100
29	MP4C	X	-3.193	-3.193	0	%100
30	MP4C	Z	-1.843	-1.843	0	%100
31	MP2C	X	-3.193	-3.193	0	%100
32	MP2C	Z	-1.843	-1.843	0	%100
33	MP1C	X	-3.193	-3.193	0	%100
34	MP1C	Z	-1.843	-1.843	0	%100
35	MP3B	X	-3.484	-3.484	0	%100
36	MP3B	Z	-2.011	-2.011	0	%100
37	MP4B	X	-3.193	-3.193	0	%100
38	MP4B	Z	-1.843	-1.843	0	%100
39	MP2B	X	-3.193	-3.193	0	%100
40	MP2B	Z	-1.843	-1.843	0	%100
41	MP1B	X	-3.193	-3.193	0	%100
42	MP1B	Z	-1.843	-1.843	0	%100
43	M100	X	-2.295	-2.295	0	%100
44	M100	Z	-1.325	-1.325	0	%100
45	M41	X	-.885	-.885	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	M41	Z	-.511	-.511	0	%100
47	M1	X	-.991	-.991	0	%100
48	M1	Z	-.572	-.572	0	%100
49	M58A	X	-.991	-.991	0	%100
50	M58A	Z	-.572	-.572	0	%100
51	M91A	X	-3.965	-3.965	0	%100
52	M91A	Z	-2.289	-2.289	0	%100
53	M76	X	-3.462	-3.462	0	%100
54	M76	Z	-1.999	-1.999	0	%100
55	M77	X	-1.17	-1.17	0	%100
56	M77	Z	-.676	-.676	0	%100
57	M84	X	-3.462	-3.462	0	%100
58	M84	Z	-1.999	-1.999	0	%100
59	M85	X	-4.68	-4.68	0	%100
60	M85	Z	-2.702	-2.702	0	%100
61	M45	X	-3.462	-3.462	0	%100
62	M45	Z	-1.999	-1.999	0	%100
63	M46A	X	-4.68	-4.68	0	%100
64	M46A	Z	-2.702	-2.702	0	%100
65	M50A	X	-3.462	-3.462	0	%100
66	M50A	Z	-1.999	-1.999	0	%100
67	M51C	X	-1.17	-1.17	0	%100
68	M51C	Z	-.676	-.676	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	-1.17	-1.17	0	%100
72	M79A	Z	-.676	-.676	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	-1.17	-1.17	0	%100
76	M84A	Z	-.676	-.676	0	%100
77	M46	X	-1.165	-1.165	0	%100
78	M46	Z	-.673	-.673	0	%100
79	M80	X	-1.217	-1.217	0	%100
80	M80	Z	-.703	-.703	0	%100
81	M91	X	-4.869	-4.869	0	%100
82	M91	Z	-2.811	-2.811	0	%100
83	M37	X	-1.165	-1.165	0	%100
84	M37	Z	-.673	-.673	0	%100
85	M48	X	-4.869	-4.869	0	%100
86	M48	Z	-2.811	-2.811	0	%100
87	M53	X	-1.217	-1.217	0	%100
88	M53	Z	-.703	-.703	0	%100
89	M70	X	-4.659	-4.659	0	%100
90	M70	Z	-2.69	-2.69	0	%100
91	M81	X	-1.217	-1.217	0	%100
92	M81	Z	-.703	-.703	0	%100
93	M86	X	-1.217	-1.217	0	%100
94	M86	Z	-.703	-.703	0	%100
95	M91B	X	-.885	-.885	0	%100
96	M91B	Z	-.511	-.511	0	%100
97	M92B	X	-.885	-.885	0	%100
98	M92B	Z	-.511	-.511	0	%100
99	M93A	X	-.885	-.885	0	%100
100	M93A	Z	-.511	-.511	0	%100
101	M96	X	-3.541	-3.541	0	%100
102	M96	Z	-2.044	-2.044	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	M97	X	-3.541	-3.541	0	%100
104	M97	Z	-2.044	-2.044	0	%100
105	M101	X	-4.233	-4.233	0	%100
106	M101	Z	-2.444	-2.444	0	%100
107	M102	X	-4.233	-4.233	0	%100
108	M102	Z	-2.444	-2.444	0	%100
109	M103A	X	-2.986	-2.986	0	%100
110	M103A	Z	-1.724	-1.724	0	%100
111	M108	X	-.9	-.9	0	%100
112	M108	Z	-.52	-.52	0	%100
113	M113	X	-.9	-.9	0	%100
114	M113	Z	-.52	-.52	0	%100
115	M118	X	-3.601	-3.601	0	%100
116	M118	Z	-2.079	-2.079	0	%100
117	M125	X	-.798	-.798	0	%100
118	M125	Z	-.461	-.461	0	%100
119	M126	X	-3.191	-3.191	0	%100
120	M126	Z	-1.842	-1.842	0	%100
121	M127	X	-.798	-.798	0	%100
122	M127	Z	-.461	-.461	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	M4	X	-.579	-.579	0	%100
2	M4	Z	-1.002	-1.002	0	%100
3	M34	X	-2.315	-2.315	0	%100
4	M34	Z	-4.01	-4.01	0	%100
5	M67	X	-.579	-.579	0	%100
6	M67	Z	-1.002	-1.002	0	%100
7	M10	X	-1.516	-1.516	0	%100
8	M10	Z	-2.625	-2.625	0	%100
9	M43	X	-1.516	-1.516	0	%100
10	M43	Z	-2.625	-2.625	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	-1.516	-1.516	0	%100
16	M68	Z	-2.625	-2.625	0	%100
17	M69	X	-1.516	-1.516	0	%100
18	M69	Z	-2.625	-2.625	0	%100
19	MP3A	X	-2.011	-2.011	0	%100
20	MP3A	Z	-3.484	-3.484	0	%100
21	MP4A	X	-1.843	-1.843	0	%100
22	MP4A	Z	-3.193	-3.193	0	%100
23	MP2A	X	-1.843	-1.843	0	%100
24	MP2A	Z	-3.193	-3.193	0	%100
25	MP1A	X	-1.843	-1.843	0	%100
26	MP1A	Z	-3.193	-3.193	0	%100
27	MP3C	X	-2.011	-2.011	0	%100
28	MP3C	Z	-3.484	-3.484	0	%100
29	MP4C	X	-1.843	-1.843	0	%100
30	MP4C	Z	-3.193	-3.193	0	%100
31	MP2C	X	-1.843	-1.843	0	%100
32	MP2C	Z	-3.193	-3.193	0	%100
33	MP1C	X	-1.843	-1.843	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,%]
34	MP1C	Z	-3.193	-3.193	0	%100
35	MP3B	X	-2.011	-2.011	0	%100
36	MP3B	Z	-3.484	-3.484	0	%100
37	MP4B	X	-1.843	-1.843	0	%100
38	MP4B	Z	-3.193	-3.193	0	%100
39	MP2B	X	-1.843	-1.843	0	%100
40	MP2B	Z	-3.193	-3.193	0	%100
41	MP1B	X	-1.843	-1.843	0	%100
42	MP1B	Z	-3.193	-3.193	0	%100
43	M100	X	-1.325	-1.325	0	%100
44	M100	Z	-2.295	-2.295	0	%100
45	M41	X	-1.533	-1.533	0	%100
46	M41	Z	-2.656	-2.656	0	%100
47	M1	X	-1.717	-1.717	0	%100
48	M1	Z	-2.973	-2.973	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	-1.717	-1.717	0	%100
52	M91A	Z	-2.973	-2.973	0	%100
53	M76	X	-.666	-.666	0	%100
54	M76	Z	-1.154	-1.154	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	-.666	-.666	0	%100
58	M84	Z	-1.154	-1.154	0	%100
59	M85	X	-2.027	-2.027	0	%100
60	M85	Z	-3.51	-3.51	0	%100
61	M45	X	-2.665	-2.665	0	%100
62	M45	Z	-4.615	-4.615	0	%100
63	M46A	X	-2.027	-2.027	0	%100
64	M46A	Z	-3.51	-3.51	0	%100
65	M50A	X	-2.665	-2.665	0	%100
66	M50A	Z	-4.615	-4.615	0	%100
67	M51C	X	-2.027	-2.027	0	%100
68	M51C	Z	-3.51	-3.51	0	%100
69	M78	X	-.666	-.666	0	%100
70	M78	Z	-1.154	-1.154	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	-.666	-.666	0	%100
74	M83A	Z	-1.154	-1.154	0	%100
75	M84A	X	-2.027	-2.027	0	%100
76	M84A	Z	-3.51	-3.51	0	%100
77	M46	X	-2.018	-2.018	0	%100
78	M46	Z	-3.495	-3.495	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	-2.109	-2.109	0	%100
82	M91	Z	-3.652	-3.652	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	-2.109	-2.109	0	%100
86	M48	Z	-3.652	-3.652	0	%100
87	M53	X	-2.109	-2.109	0	%100
88	M53	Z	-3.652	-3.652	0	%100
89	M70	X	-2.018	-2.018	0	%100
90	M70	Z	-3.495	-3.495	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,%]
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	-2.109	-2.109	0	%100
94	M86	Z	-3.652	-3.652	0	%100
95	M91B	X	-1.533	-1.533	0	%100
96	M91B	Z	-2.656	-2.656	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	-1.533	-1.533	0	%100
102	M96	Z	-2.656	-2.656	0	%100
103	M97	X	-1.533	-1.533	0	%100
104	M97	Z	-2.656	-2.656	0	%100
105	M101	X	-1.964	-1.964	0	%100
106	M101	Z	-3.401	-3.401	0	%100
107	M102	X	-2.684	-2.684	0	%100
108	M102	Z	-4.648	-4.648	0	%100
109	M103A	X	-1.964	-1.964	0	%100
110	M103A	Z	-3.401	-3.401	0	%100
111	M108	X	-1.559	-1.559	0	%100
112	M108	Z	-2.701	-2.701	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	-1.559	-1.559	0	%100
116	M118	Z	-2.701	-2.701	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	-1.382	-1.382	0	%100
120	M126	Z	-2.393	-2.393	0	%100
121	M127	X	-1.382	-1.382	0	%100
122	M127	Z	-2.393	-2.393	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	-.711	-.711	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	-.711	-.711	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	-.897	-.897	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-.897	-.897	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	-.224	-.224	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	-.224	-.224	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	-.224	-.224	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	-.224	-.224	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	-.695	-.695	0	%100
21	MP4A	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,%]
22	MP4A	Z	-.574	-.574	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-.574	-.574	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	-.574	-.574	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	-.695	-.695	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	-.574	-.574	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-.574	-.574	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	-.574	-.574	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	-.695	-.695	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	-.574	-.574	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-.574	-.574	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-.574	-.574	0	%100
43	M100	X	0	0	0	%100
44	M100	Z	-.416	-.416	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	-.806	-.806	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	-.846	-.846	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	-.212	-.212	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	-.212	-.212	0	%100
53	M76	X	0	0	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	-.369	-.369	0	%100
57	M84	X	0	0	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	-.369	-.369	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	-1.088	-1.088	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	-.369	-.369	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	-1.088	-1.088	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	-1.478	-1.478	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	-1.088	-1.088	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	-.369	-.369	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	-1.088	-1.088	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	-1.478	-1.478	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	-1.451	-1.451	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,%]
79	M80	X	0	0	0	%100
80	M80	Z	-.389	-.389	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	-.389	-.389	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	-.363	-.363	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	-.389	-.389	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	-1.557	-1.557	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	-.363	-.363	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	-.389	-.389	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	-1.557	-1.557	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	-.806	-.806	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	-.202	-.202	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	-.202	-.202	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	-.202	-.202	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	-.202	-.202	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	-.9	-.9	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	-1.112	-1.112	0	%100
109	M103A	X	0	0	0	%100
110	M103A	Z	-1.112	-1.112	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	-.695	-.695	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	-.174	-.174	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	-.174	-.174	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	-.204	-.204	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	-.204	-.204	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	-.817	-.817	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	M4	X	.118	.118	0	%100
2	M4	Z	-.205	-.205	0	%100
3	M34	X	.118	.118	0	%100
4	M34	Z	-.205	-.205	0	%100
5	M67	X	.474	.474	0	%100
6	M67	Z	-.821	-.821	0	%100
7	M10	X	.336	.336	0	%100
8	M10	Z	-.582	-.582	0	%100
9	M43	X	.336	.336	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,%]
10	M43	Z	-.582	-.582	0	%100
11	M35	X	.336	.336	0	%100
12	M35	Z	-.582	-.582	0	%100
13	M36	X	.336	.336	0	%100
14	M36	Z	-.582	-.582	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	.348	.348	0	%100
20	MP3A	Z	-.602	-.602	0	%100
21	MP4A	X	.287	.287	0	%100
22	MP4A	Z	-.497	-.497	0	%100
23	MP2A	X	.287	.287	0	%100
24	MP2A	Z	-.497	-.497	0	%100
25	MP1A	X	.287	.287	0	%100
26	MP1A	Z	-.497	-.497	0	%100
27	MP3C	X	.348	.348	0	%100
28	MP3C	Z	-.602	-.602	0	%100
29	MP4C	X	.287	.287	0	%100
30	MP4C	Z	-.497	-.497	0	%100
31	MP2C	X	.287	.287	0	%100
32	MP2C	Z	-.497	-.497	0	%100
33	MP1C	X	.287	.287	0	%100
34	MP1C	Z	-.497	-.497	0	%100
35	MP3B	X	.348	.348	0	%100
36	MP3B	Z	-.602	-.602	0	%100
37	MP4B	X	.287	.287	0	%100
38	MP4B	Z	-.497	-.497	0	%100
39	MP2B	X	.287	.287	0	%100
40	MP2B	Z	-.497	-.497	0	%100
41	MP1B	X	.287	.287	0	%100
42	MP1B	Z	-.497	-.497	0	%100
43	M100	X	.208	.208	0	%100
44	M100	Z	-.36	-.36	0	%100
45	M41	X	.302	.302	0	%100
46	M41	Z	-.524	-.524	0	%100
47	M1	X	.317	.317	0	%100
48	M1	Z	-.55	-.55	0	%100
49	M58A	X	.317	.317	0	%100
50	M58A	Z	-.55	-.55	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	.181	.181	0	%100
54	M76	Z	-.314	-.314	0	%100
55	M77	X	.554	.554	0	%100
56	M77	Z	-.96	-.96	0	%100
57	M84	X	.181	.181	0	%100
58	M84	Z	-.314	-.314	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	.181	.181	0	%100
62	M45	Z	-.314	-.314	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	.181	.181	0	%100
66	M50A	Z	-.314	-.314	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,%]
67	M51C	X	.554	.554	0	%100
68	M51C	Z	-.96	-.96	0	%100
69	M78	X	.725	.725	0	%100
70	M78	Z	-1.257	-1.257	0	%100
71	M79A	X	.554	.554	0	%100
72	M79A	Z	-.96	-.96	0	%100
73	M83A	X	.725	.725	0	%100
74	M83A	Z	-1.257	-1.257	0	%100
75	M84A	X	.554	.554	0	%100
76	M84A	Z	-.96	-.96	0	%100
77	M46	X	.544	.544	0	%100
78	M46	Z	-.942	-.942	0	%100
79	M80	X	.584	.584	0	%100
80	M80	Z	-1.011	-1.011	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	.544	.544	0	%100
84	M37	Z	-.942	-.942	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	.584	.584	0	%100
88	M53	Z	-1.011	-1.011	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	.584	.584	0	%100
92	M81	Z	-1.011	-1.011	0	%100
93	M86	X	.584	.584	0	%100
94	M86	Z	-1.011	-1.011	0	%100
95	M91B	X	.302	.302	0	%100
96	M91B	Z	-.524	-.524	0	%100
97	M92B	X	.302	.302	0	%100
98	M92B	Z	-.524	-.524	0	%100
99	M93A	X	.302	.302	0	%100
100	M93A	Z	-.524	-.524	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	.485	.485	0	%100
106	M101	Z	-.841	-.841	0	%100
107	M102	X	.485	.485	0	%100
108	M102	Z	-.841	-.841	0	%100
109	M103A	X	.592	.592	0	%100
110	M103A	Z	-1.025	-1.025	0	%100
111	M108	X	.261	.261	0	%100
112	M108	Z	-.452	-.452	0	%100
113	M113	X	.261	.261	0	%100
114	M113	Z	-.452	-.452	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	.306	.306	0	%100
118	M125	Z	-.53	-.53	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	.306	.306	0	%100
122	M127	Z	-.53	-.53	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	M4	X	.615	.615	0	%100
2	M4	Z	-.355	-.355	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	.615	.615	0	%100
6	M67	Z	-.355	-.355	0	%100
7	M10	X	.194	.194	0	%100
8	M10	Z	-.112	-.112	0	%100
9	M43	X	.194	.194	0	%100
10	M43	Z	-.112	-.112	0	%100
11	M35	X	.777	.777	0	%100
12	M35	Z	-.448	-.448	0	%100
13	M36	X	.777	.777	0	%100
14	M36	Z	-.448	-.448	0	%100
15	M68	X	.194	.194	0	%100
16	M68	Z	-.112	-.112	0	%100
17	M69	X	.194	.194	0	%100
18	M69	Z	-.112	-.112	0	%100
19	MP3A	X	.602	.602	0	%100
20	MP3A	Z	-.348	-.348	0	%100
21	MP4A	X	.497	.497	0	%100
22	MP4A	Z	-.287	-.287	0	%100
23	MP2A	X	.497	.497	0	%100
24	MP2A	Z	-.287	-.287	0	%100
25	MP1A	X	.497	.497	0	%100
26	MP1A	Z	-.287	-.287	0	%100
27	MP3C	X	.602	.602	0	%100
28	MP3C	Z	-.348	-.348	0	%100
29	MP4C	X	.497	.497	0	%100
30	MP4C	Z	-.287	-.287	0	%100
31	MP2C	X	.497	.497	0	%100
32	MP2C	Z	-.287	-.287	0	%100
33	MP1C	X	.497	.497	0	%100
34	MP1C	Z	-.287	-.287	0	%100
35	MP3B	X	.602	.602	0	%100
36	MP3B	Z	-.348	-.348	0	%100
37	MP4B	X	.497	.497	0	%100
38	MP4B	Z	-.287	-.287	0	%100
39	MP2B	X	.497	.497	0	%100
40	MP2B	Z	-.287	-.287	0	%100
41	MP1B	X	.497	.497	0	%100
42	MP1B	Z	-.287	-.287	0	%100
43	M100	X	.36	.36	0	%100
44	M100	Z	-.208	-.208	0	%100
45	M41	X	.175	.175	0	%100
46	M41	Z	-.101	-.101	0	%100
47	M1	X	.183	.183	0	%100
48	M1	Z	-.106	-.106	0	%100
49	M58A	X	.733	.733	0	%100
50	M58A	Z	-.423	-.423	0	%100
51	M91A	X	.183	.183	0	%100
52	M91A	Z	-.106	-.106	0	%100
53	M76	X	.942	.942	0	%100
54	M76	Z	-.544	-.544	0	%100
55	M77	X	1.28	1.28	0	%100
56	M77	Z	-.739	-.739	0	%100
57	M84	X	.942	.942	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M84	Z	-.544	-.544	0	%100
59	M85	X	.32	.32	0	%100
60	M85	Z	-.185	-.185	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	.32	.32	0	%100
64	M46A	Z	-.185	-.185	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	.32	.32	0	%100
68	M51C	Z	-.185	-.185	0	%100
69	M78	X	.942	.942	0	%100
70	M78	Z	-.544	-.544	0	%100
71	M79A	X	1.28	1.28	0	%100
72	M79A	Z	-.739	-.739	0	%100
73	M83A	X	.942	.942	0	%100
74	M83A	Z	-.544	-.544	0	%100
75	M84A	X	.32	.32	0	%100
76	M84A	Z	-.185	-.185	0	%100
77	M46	X	.314	.314	0	%100
78	M46	Z	-.181	-.181	0	%100
79	M80	X	1.348	1.348	0	%100
80	M80	Z	-.778	-.778	0	%100
81	M91	X	.337	.337	0	%100
82	M91	Z	-.195	-.195	0	%100
83	M37	X	1.257	1.257	0	%100
84	M37	Z	-.725	-.725	0	%100
85	M48	X	.337	.337	0	%100
86	M48	Z	-.195	-.195	0	%100
87	M53	X	.337	.337	0	%100
88	M53	Z	-.195	-.195	0	%100
89	M70	X	.314	.314	0	%100
90	M70	Z	-.181	-.181	0	%100
91	M81	X	1.348	1.348	0	%100
92	M81	Z	-.778	-.778	0	%100
93	M86	X	.337	.337	0	%100
94	M86	Z	-.195	-.195	0	%100
95	M91B	X	.175	.175	0	%100
96	M91B	Z	-.101	-.101	0	%100
97	M92B	X	.698	.698	0	%100
98	M92B	Z	-.403	-.403	0	%100
99	M93A	X	.698	.698	0	%100
100	M93A	Z	-.403	-.403	0	%100
101	M96	X	.175	.175	0	%100
102	M96	Z	-.101	-.101	0	%100
103	M97	X	.175	.175	0	%100
104	M97	Z	-.101	-.101	0	%100
105	M101	X	.963	.963	0	%100
106	M101	Z	-.556	-.556	0	%100
107	M102	X	.779	.779	0	%100
108	M102	Z	-.45	-.45	0	%100
109	M103A	X	.963	.963	0	%100
110	M103A	Z	-.556	-.556	0	%100
111	M108	X	.151	.151	0	%100
112	M108	Z	-.087	-.087	0	%100
113	M113	X	.602	.602	0	%100
114	M113	Z	-.348	-.348	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,%]
115	M118	X	.151	.151	0	%100
116	M118	Z	-.087	-.087	0	%100
117	M125	X	.707	.707	0	%100
118	M125	Z	-.408	-.408	0	%100
119	M126	X	.177	.177	0	%100
120	M126	Z	-.102	-.102	0	%100
121	M127	X	.177	.177	0	%100
122	M127	Z	-.102	-.102	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	M4	X	.947	.947	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	.237	.237	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	.237	.237	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M35	X	.673	.673	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	.673	.673	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	.673	.673	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	.673	.673	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	.695	.695	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	.574	.574	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	.574	.574	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	.574	.574	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	.695	.695	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	.574	.574	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	.574	.574	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	.574	.574	0	%100
34	MP1C	Z	0	0	0	%100
35	MP3B	X	.695	.695	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	.574	.574	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	.574	.574	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	.574	.574	0	%100
42	MP1B	Z	0	0	0	%100
43	M100	X	.416	.416	0	%100
44	M100	Z	0	0	0	%100
45	M41	X	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,%]
46	M41	Z	0	0	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	0	0	0	%100
49	M58A	X	.635	.635	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	.635	.635	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	1.451	1.451	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	1.108	1.108	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	1.451	1.451	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	1.108	1.108	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	.363	.363	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	1.108	1.108	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	.363	.363	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	0	0	0	%100
69	M78	X	.363	.363	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	1.108	1.108	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	.363	.363	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	0	0	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	0	0	0	%100
79	M80	X	1.167	1.167	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	1.167	1.167	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	1.088	1.088	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	1.167	1.167	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	0	0	0	%100
89	M70	X	1.088	1.088	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	1.167	1.167	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	0	0	0	%100
97	M92B	X	.605	.605	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	.605	.605	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	.605	.605	0	%100
102	M96	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,%]
103	M97	X	.605	.605	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	1.183	1.183	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	.971	.971	0	%100
108	M102	Z	0	0	0	%100
109	M103A	X	.971	.971	0	%100
110	M103A	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M113	X	.521	.521	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	.521	.521	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	.613	.613	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	.613	.613	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	0	0	0	%100
122	M127	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	M4	X	.615	.615	0	%100
2	M4	Z	.355	.355	0	%100
3	M34	X	.615	.615	0	%100
4	M34	Z	.355	.355	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	.194	.194	0	%100
8	M10	Z	.112	.112	0	%100
9	M43	X	.194	.194	0	%100
10	M43	Z	.112	.112	0	%100
11	M35	X	.194	.194	0	%100
12	M35	Z	.112	.112	0	%100
13	M36	X	.194	.194	0	%100
14	M36	Z	.112	.112	0	%100
15	M68	X	.777	.777	0	%100
16	M68	Z	.448	.448	0	%100
17	M69	X	.777	.777	0	%100
18	M69	Z	.448	.448	0	%100
19	MP3A	X	.602	.602	0	%100
20	MP3A	Z	.348	.348	0	%100
21	MP4A	X	.497	.497	0	%100
22	MP4A	Z	.287	.287	0	%100
23	MP2A	X	.497	.497	0	%100
24	MP2A	Z	.287	.287	0	%100
25	MP1A	X	.497	.497	0	%100
26	MP1A	Z	.287	.287	0	%100
27	MP3C	X	.602	.602	0	%100
28	MP3C	Z	.348	.348	0	%100
29	MP4C	X	.497	.497	0	%100
30	MP4C	Z	.287	.287	0	%100
31	MP2C	X	.497	.497	0	%100
32	MP2C	Z	.287	.287	0	%100
33	MP1C	X	.497	.497	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,%]
34	MP1C	Z	.287	.287	0	%100
35	MP3B	X	.602	.602	0	%100
36	MP3B	Z	.348	.348	0	%100
37	MP4B	X	.497	.497	0	%100
38	MP4B	Z	.287	.287	0	%100
39	MP2B	X	.497	.497	0	%100
40	MP2B	Z	.287	.287	0	%100
41	MP1B	X	.497	.497	0	%100
42	MP1B	Z	.287	.287	0	%100
43	M100	X	.36	.36	0	%100
44	M100	Z	.208	.208	0	%100
45	M41	X	.175	.175	0	%100
46	M41	Z	.101	.101	0	%100
47	M1	X	.183	.183	0	%100
48	M1	Z	.106	.106	0	%100
49	M58A	X	.183	.183	0	%100
50	M58A	Z	.106	.106	0	%100
51	M91A	X	.733	.733	0	%100
52	M91A	Z	.423	.423	0	%100
53	M76	X	.942	.942	0	%100
54	M76	Z	.544	.544	0	%100
55	M77	X	.32	.32	0	%100
56	M77	Z	.185	.185	0	%100
57	M84	X	.942	.942	0	%100
58	M84	Z	.544	.544	0	%100
59	M85	X	1.28	1.28	0	%100
60	M85	Z	.739	.739	0	%100
61	M45	X	.942	.942	0	%100
62	M45	Z	.544	.544	0	%100
63	M46A	X	1.28	1.28	0	%100
64	M46A	Z	.739	.739	0	%100
65	M50A	X	.942	.942	0	%100
66	M50A	Z	.544	.544	0	%100
67	M51C	X	.32	.32	0	%100
68	M51C	Z	.185	.185	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	.32	.32	0	%100
72	M79A	Z	.185	.185	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	.32	.32	0	%100
76	M84A	Z	.185	.185	0	%100
77	M46	X	.314	.314	0	%100
78	M46	Z	.181	.181	0	%100
79	M80	X	.337	.337	0	%100
80	M80	Z	.195	.195	0	%100
81	M91	X	1.348	1.348	0	%100
82	M91	Z	.778	.778	0	%100
83	M37	X	.314	.314	0	%100
84	M37	Z	.181	.181	0	%100
85	M48	X	1.348	1.348	0	%100
86	M48	Z	.778	.778	0	%100
87	M53	X	.337	.337	0	%100
88	M53	Z	.195	.195	0	%100
89	M70	X	1.257	1.257	0	%100
90	M70	Z	.725	.725	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,%]
91	M81	X	.337	.337	0	%100
92	M81	Z	.195	.195	0	%100
93	M86	X	.337	.337	0	%100
94	M86	Z	.195	.195	0	%100
95	M91B	X	.175	.175	0	%100
96	M91B	Z	.101	.101	0	%100
97	M92B	X	.175	.175	0	%100
98	M92B	Z	.101	.101	0	%100
99	M93A	X	.175	.175	0	%100
100	M93A	Z	.101	.101	0	%100
101	M96	X	.698	.698	0	%100
102	M96	Z	.403	.403	0	%100
103	M97	X	.698	.698	0	%100
104	M97	Z	.403	.403	0	%100
105	M101	X	.963	.963	0	%100
106	M101	Z	.556	.556	0	%100
107	M102	X	.963	.963	0	%100
108	M102	Z	.556	.556	0	%100
109	M103A	X	.779	.779	0	%100
110	M103A	Z	.45	.45	0	%100
111	M108	X	.151	.151	0	%100
112	M108	Z	.087	.087	0	%100
113	M113	X	.151	.151	0	%100
114	M113	Z	.087	.087	0	%100
115	M118	X	.602	.602	0	%100
116	M118	Z	.348	.348	0	%100
117	M125	X	.177	.177	0	%100
118	M125	Z	.102	.102	0	%100
119	M126	X	.707	.707	0	%100
120	M126	Z	.408	.408	0	%100
121	M127	X	.177	.177	0	%100
122	M127	Z	.102	.102	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	M4	X	.118	.118	0	%100
2	M4	Z	.205	.205	0	%100
3	M34	X	.474	.474	0	%100
4	M34	Z	.821	.821	0	%100
5	M67	X	.118	.118	0	%100
6	M67	Z	.205	.205	0	%100
7	M10	X	.336	.336	0	%100
8	M10	Z	.582	.582	0	%100
9	M43	X	.336	.336	0	%100
10	M43	Z	.582	.582	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	.336	.336	0	%100
16	M68	Z	.582	.582	0	%100
17	M69	X	.336	.336	0	%100
18	M69	Z	.582	.582	0	%100
19	MP3A	X	.348	.348	0	%100
20	MP3A	Z	.602	.602	0	%100
21	MP4A	X	.287	.287	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,%]
22	MP4A	Z	.497	.497	0	%100
23	MP2A	X	.287	.287	0	%100
24	MP2A	Z	.497	.497	0	%100
25	MP1A	X	.287	.287	0	%100
26	MP1A	Z	.497	.497	0	%100
27	MP3C	X	.348	.348	0	%100
28	MP3C	Z	.602	.602	0	%100
29	MP4C	X	.287	.287	0	%100
30	MP4C	Z	.497	.497	0	%100
31	MP2C	X	.287	.287	0	%100
32	MP2C	Z	.497	.497	0	%100
33	MP1C	X	.287	.287	0	%100
34	MP1C	Z	.497	.497	0	%100
35	MP3B	X	.348	.348	0	%100
36	MP3B	Z	.602	.602	0	%100
37	MP4B	X	.287	.287	0	%100
38	MP4B	Z	.497	.497	0	%100
39	MP2B	X	.287	.287	0	%100
40	MP2B	Z	.497	.497	0	%100
41	MP1B	X	.287	.287	0	%100
42	MP1B	Z	.497	.497	0	%100
43	M100	X	.208	.208	0	%100
44	M100	Z	.36	.36	0	%100
45	M41	X	.302	.302	0	%100
46	M41	Z	.524	.524	0	%100
47	M1	X	.317	.317	0	%100
48	M1	Z	.55	.55	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	.317	.317	0	%100
52	M91A	Z	.55	.55	0	%100
53	M76	X	.181	.181	0	%100
54	M76	Z	.314	.314	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	.181	.181	0	%100
58	M84	Z	.314	.314	0	%100
59	M85	X	.554	.554	0	%100
60	M85	Z	.96	.96	0	%100
61	M45	X	.725	.725	0	%100
62	M45	Z	1.257	1.257	0	%100
63	M46A	X	.554	.554	0	%100
64	M46A	Z	.96	.96	0	%100
65	M50A	X	.725	.725	0	%100
66	M50A	Z	1.257	1.257	0	%100
67	M51C	X	.554	.554	0	%100
68	M51C	Z	.96	.96	0	%100
69	M78	X	.181	.181	0	%100
70	M78	Z	.314	.314	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	.181	.181	0	%100
74	M83A	Z	.314	.314	0	%100
75	M84A	X	.554	.554	0	%100
76	M84A	Z	.96	.96	0	%100
77	M46	X	.544	.544	0	%100
78	M46	Z	.942	.942	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,%]
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	.584	.584	0	%100
82	M91	Z	1.011	1.011	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	.584	.584	0	%100
86	M48	Z	1.011	1.011	0	%100
87	M53	X	.584	.584	0	%100
88	M53	Z	1.011	1.011	0	%100
89	M70	X	.544	.544	0	%100
90	M70	Z	.942	.942	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	.584	.584	0	%100
94	M86	Z	1.011	1.011	0	%100
95	M91B	X	.302	.302	0	%100
96	M91B	Z	.524	.524	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	.302	.302	0	%100
102	M96	Z	.524	.524	0	%100
103	M97	X	.302	.302	0	%100
104	M97	Z	.524	.524	0	%100
105	M101	X	.485	.485	0	%100
106	M101	Z	.841	.841	0	%100
107	M102	X	.592	.592	0	%100
108	M102	Z	1.025	1.025	0	%100
109	M103A	X	.485	.485	0	%100
110	M103A	Z	.841	.841	0	%100
111	M108	X	.261	.261	0	%100
112	M108	Z	.452	.452	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	.261	.261	0	%100
116	M118	Z	.452	.452	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	.306	.306	0	%100
120	M126	Z	.53	.53	0	%100
121	M127	X	.306	.306	0	%100
122	M127	Z	.53	.53	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	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	.711	.711	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	.711	.711	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	.897	.897	0	%100
9	M43	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,%]
10	M43	Z	.897	.897	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	.224	.224	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	.224	.224	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	.224	.224	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	.224	.224	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	.695	.695	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	.574	.574	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	.574	.574	0	%100
25	MP1A	X	0	0	0	%100
26	MP1A	Z	.574	.574	0	%100
27	MP3C	X	0	0	0	%100
28	MP3C	Z	.695	.695	0	%100
29	MP4C	X	0	0	0	%100
30	MP4C	Z	.574	.574	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	.574	.574	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	.574	.574	0	%100
35	MP3B	X	0	0	0	%100
36	MP3B	Z	.695	.695	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	.574	.574	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	.574	.574	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	.574	.574	0	%100
43	M100	X	0	0	0	%100
44	M100	Z	.416	.416	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	.806	.806	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	.846	.846	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	.212	.212	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	.212	.212	0	%100
53	M76	X	0	0	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	.369	.369	0	%100
57	M84	X	0	0	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	.369	.369	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	1.088	1.088	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	.369	.369	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	1.088	1.088	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,%]
67	M51C	X	0	0	0	%100
68	M51C	Z	1.478	1.478	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	1.088	1.088	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	.369	.369	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	1.088	1.088	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	1.478	1.478	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	1.451	1.451	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	.389	.389	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	.389	.389	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	.363	.363	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	.389	.389	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	1.557	1.557	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	.363	.363	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	.389	.389	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	1.557	1.557	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	.806	.806	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	.202	.202	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	.202	.202	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	.202	.202	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	.202	.202	0	%100
105	M101	X	0	0	0	%100
106	M101	Z	.9	.9	0	%100
107	M102	X	0	0	0	%100
108	M102	Z	1.112	1.112	0	%100
109	M103A	X	0	0	0	%100
110	M103A	Z	1.112	1.112	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	.695	.695	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	.174	.174	0	%100
115	M118	X	0	0	0	%100
116	M118	Z	.174	.174	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	.204	.204	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	.204	.204	0	%100
121	M127	X	0	0	0	%100
122	M127	Z	.817	.817	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	M4	X	-.118	-.118	0	%100
2	M4	Z	.205	.205	0	%100
3	M34	X	-.118	-.118	0	%100
4	M34	Z	.205	.205	0	%100
5	M67	X	-.474	-.474	0	%100
6	M67	Z	.821	.821	0	%100
7	M10	X	-.336	-.336	0	%100
8	M10	Z	.582	.582	0	%100
9	M43	X	-.336	-.336	0	%100
10	M43	Z	.582	.582	0	%100
11	M35	X	-.336	-.336	0	%100
12	M35	Z	.582	.582	0	%100
13	M36	X	-.336	-.336	0	%100
14	M36	Z	.582	.582	0	%100
15	M68	X	0	0	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	0	0	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	-.348	-.348	0	%100
20	MP3A	Z	.602	.602	0	%100
21	MP4A	X	-.287	-.287	0	%100
22	MP4A	Z	.497	.497	0	%100
23	MP2A	X	-.287	-.287	0	%100
24	MP2A	Z	.497	.497	0	%100
25	MP1A	X	-.287	-.287	0	%100
26	MP1A	Z	.497	.497	0	%100
27	MP3C	X	-.348	-.348	0	%100
28	MP3C	Z	.602	.602	0	%100
29	MP4C	X	-.287	-.287	0	%100
30	MP4C	Z	.497	.497	0	%100
31	MP2C	X	-.287	-.287	0	%100
32	MP2C	Z	.497	.497	0	%100
33	MP1C	X	-.287	-.287	0	%100
34	MP1C	Z	.497	.497	0	%100
35	MP3B	X	-.348	-.348	0	%100
36	MP3B	Z	.602	.602	0	%100
37	MP4B	X	-.287	-.287	0	%100
38	MP4B	Z	.497	.497	0	%100
39	MP2B	X	-.287	-.287	0	%100
40	MP2B	Z	.497	.497	0	%100
41	MP1B	X	-.287	-.287	0	%100
42	MP1B	Z	.497	.497	0	%100
43	M100	X	-.208	-.208	0	%100
44	M100	Z	.36	.36	0	%100
45	M41	X	-.302	-.302	0	%100
46	M41	Z	.524	.524	0	%100
47	M1	X	-.317	-.317	0	%100
48	M1	Z	.55	.55	0	%100
49	M58A	X	-.317	-.317	0	%100
50	M58A	Z	.55	.55	0	%100
51	M91A	X	0	0	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	-.181	-.181	0	%100
54	M76	Z	.314	.314	0	%100
55	M77	X	-.554	-.554	0	%100
56	M77	Z	.96	.96	0	%100
57	M84	X	-.181	-.181	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M84	Z	.314	.314	0	%100
59	M85	X	0	0	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	-.181	-.181	0	%100
62	M45	Z	.314	.314	0	%100
63	M46A	X	0	0	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	-.181	-.181	0	%100
66	M50A	Z	.314	.314	0	%100
67	M51C	X	-.554	-.554	0	%100
68	M51C	Z	.96	.96	0	%100
69	M78	X	-.725	-.725	0	%100
70	M78	Z	1.257	1.257	0	%100
71	M79A	X	-.554	-.554	0	%100
72	M79A	Z	.96	.96	0	%100
73	M83A	X	-.725	-.725	0	%100
74	M83A	Z	1.257	1.257	0	%100
75	M84A	X	-.554	-.554	0	%100
76	M84A	Z	.96	.96	0	%100
77	M46	X	-.544	-.544	0	%100
78	M46	Z	.942	.942	0	%100
79	M80	X	-.584	-.584	0	%100
80	M80	Z	1.011	1.011	0	%100
81	M91	X	0	0	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	-.544	-.544	0	%100
84	M37	Z	.942	.942	0	%100
85	M48	X	0	0	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	-.584	-.584	0	%100
88	M53	Z	1.011	1.011	0	%100
89	M70	X	0	0	0	%100
90	M70	Z	0	0	0	%100
91	M81	X	-.584	-.584	0	%100
92	M81	Z	1.011	1.011	0	%100
93	M86	X	-.584	-.584	0	%100
94	M86	Z	1.011	1.011	0	%100
95	M91B	X	-.302	-.302	0	%100
96	M91B	Z	.524	.524	0	%100
97	M92B	X	-.302	-.302	0	%100
98	M92B	Z	.524	.524	0	%100
99	M93A	X	-.302	-.302	0	%100
100	M93A	Z	.524	.524	0	%100
101	M96	X	0	0	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	0	0	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	-.485	-.485	0	%100
106	M101	Z	.841	.841	0	%100
107	M102	X	-.485	-.485	0	%100
108	M102	Z	.841	.841	0	%100
109	M103A	X	-.592	-.592	0	%100
110	M103A	Z	1.025	1.025	0	%100
111	M108	X	-.261	-.261	0	%100
112	M108	Z	.452	.452	0	%100
113	M113	X	-.261	-.261	0	%100
114	M113	Z	.452	.452	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,%]
115	M118	X	0	0	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	-.306	-.306	0	%100
118	M125	Z	.53	.53	0	%100
119	M126	X	0	0	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	-.306	-.306	0	%100
122	M127	Z	.53	.53	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	M4	X	-.615	-.615	0	%100
2	M4	Z	.355	.355	0	%100
3	M34	X	0	0	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	-.615	-.615	0	%100
6	M67	Z	.355	.355	0	%100
7	M10	X	-.194	-.194	0	%100
8	M10	Z	.112	.112	0	%100
9	M43	X	-.194	-.194	0	%100
10	M43	Z	.112	.112	0	%100
11	M35	X	-.777	-.777	0	%100
12	M35	Z	.448	.448	0	%100
13	M36	X	-.777	-.777	0	%100
14	M36	Z	.448	.448	0	%100
15	M68	X	-.194	-.194	0	%100
16	M68	Z	.112	.112	0	%100
17	M69	X	-.194	-.194	0	%100
18	M69	Z	.112	.112	0	%100
19	MP3A	X	-.602	-.602	0	%100
20	MP3A	Z	.348	.348	0	%100
21	MP4A	X	-.497	-.497	0	%100
22	MP4A	Z	.287	.287	0	%100
23	MP2A	X	-.497	-.497	0	%100
24	MP2A	Z	.287	.287	0	%100
25	MP1A	X	-.497	-.497	0	%100
26	MP1A	Z	.287	.287	0	%100
27	MP3C	X	-.602	-.602	0	%100
28	MP3C	Z	.348	.348	0	%100
29	MP4C	X	-.497	-.497	0	%100
30	MP4C	Z	.287	.287	0	%100
31	MP2C	X	-.497	-.497	0	%100
32	MP2C	Z	.287	.287	0	%100
33	MP1C	X	-.497	-.497	0	%100
34	MP1C	Z	.287	.287	0	%100
35	MP3B	X	-.602	-.602	0	%100
36	MP3B	Z	.348	.348	0	%100
37	MP4B	X	-.497	-.497	0	%100
38	MP4B	Z	.287	.287	0	%100
39	MP2B	X	-.497	-.497	0	%100
40	MP2B	Z	.287	.287	0	%100
41	MP1B	X	-.497	-.497	0	%100
42	MP1B	Z	.287	.287	0	%100
43	M100	X	-.36	-.36	0	%100
44	M100	Z	.208	.208	0	%100
45	M41	X	-.175	-.175	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	M41	Z	.101	.101	0	%100
47	M1	X	-.183	-.183	0	%100
48	M1	Z	.106	.106	0	%100
49	M58A	X	-.733	-.733	0	%100
50	M58A	Z	.423	.423	0	%100
51	M91A	X	-.183	-.183	0	%100
52	M91A	Z	.106	.106	0	%100
53	M76	X	-.942	-.942	0	%100
54	M76	Z	.544	.544	0	%100
55	M77	X	-1.28	-1.28	0	%100
56	M77	Z	.739	.739	0	%100
57	M84	X	-.942	-.942	0	%100
58	M84	Z	.544	.544	0	%100
59	M85	X	-.32	-.32	0	%100
60	M85	Z	.185	.185	0	%100
61	M45	X	0	0	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	-.32	-.32	0	%100
64	M46A	Z	.185	.185	0	%100
65	M50A	X	0	0	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	-.32	-.32	0	%100
68	M51C	Z	.185	.185	0	%100
69	M78	X	-.942	-.942	0	%100
70	M78	Z	.544	.544	0	%100
71	M79A	X	-1.28	-1.28	0	%100
72	M79A	Z	.739	.739	0	%100
73	M83A	X	-.942	-.942	0	%100
74	M83A	Z	.544	.544	0	%100
75	M84A	X	-.32	-.32	0	%100
76	M84A	Z	.185	.185	0	%100
77	M46	X	-.314	-.314	0	%100
78	M46	Z	.181	.181	0	%100
79	M80	X	-1.348	-1.348	0	%100
80	M80	Z	.778	.778	0	%100
81	M91	X	-.337	-.337	0	%100
82	M91	Z	.195	.195	0	%100
83	M37	X	-1.257	-1.257	0	%100
84	M37	Z	.725	.725	0	%100
85	M48	X	-.337	-.337	0	%100
86	M48	Z	.195	.195	0	%100
87	M53	X	-.337	-.337	0	%100
88	M53	Z	.195	.195	0	%100
89	M70	X	-.314	-.314	0	%100
90	M70	Z	.181	.181	0	%100
91	M81	X	-1.348	-1.348	0	%100
92	M81	Z	.778	.778	0	%100
93	M86	X	-.337	-.337	0	%100
94	M86	Z	.195	.195	0	%100
95	M91B	X	-.175	-.175	0	%100
96	M91B	Z	.101	.101	0	%100
97	M92B	X	-.698	-.698	0	%100
98	M92B	Z	.403	.403	0	%100
99	M93A	X	-.698	-.698	0	%100
100	M93A	Z	.403	.403	0	%100
101	M96	X	-.175	-.175	0	%100
102	M96	Z	.101	.101	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	M97	X	-.175	-.175	0	%100
104	M97	Z	.101	.101	0	%100
105	M101	X	-.963	-.963	0	%100
106	M101	Z	.556	.556	0	%100
107	M102	X	-.779	-.779	0	%100
108	M102	Z	.45	.45	0	%100
109	M103A	X	-.963	-.963	0	%100
110	M103A	Z	.556	.556	0	%100
111	M108	X	-.151	-.151	0	%100
112	M108	Z	.087	.087	0	%100
113	M113	X	-.602	-.602	0	%100
114	M113	Z	.348	.348	0	%100
115	M118	X	-.151	-.151	0	%100
116	M118	Z	.087	.087	0	%100
117	M125	X	-.707	-.707	0	%100
118	M125	Z	.408	.408	0	%100
119	M126	X	-.177	-.177	0	%100
120	M126	Z	.102	.102	0	%100
121	M127	X	-.177	-.177	0	%100
122	M127	Z	.102	.102	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	M4	X	-.947	-.947	0	%100
2	M4	Z	0	0	0	%100
3	M34	X	-.237	-.237	0	%100
4	M34	Z	0	0	0	%100
5	M67	X	-.237	-.237	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	0	0	0	%100
8	M10	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M35	X	-.673	-.673	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	-.673	-.673	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	-.673	-.673	0	%100
16	M68	Z	0	0	0	%100
17	M69	X	-.673	-.673	0	%100
18	M69	Z	0	0	0	%100
19	MP3A	X	-.695	-.695	0	%100
20	MP3A	Z	0	0	0	%100
21	MP4A	X	-.574	-.574	0	%100
22	MP4A	Z	0	0	0	%100
23	MP2A	X	-.574	-.574	0	%100
24	MP2A	Z	0	0	0	%100
25	MP1A	X	-.574	-.574	0	%100
26	MP1A	Z	0	0	0	%100
27	MP3C	X	-.695	-.695	0	%100
28	MP3C	Z	0	0	0	%100
29	MP4C	X	-.574	-.574	0	%100
30	MP4C	Z	0	0	0	%100
31	MP2C	X	-.574	-.574	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-.574	-.574	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,%]
34	MP1C	Z	0	0	0	%100
35	MP3B	X	-.695	-.695	0	%100
36	MP3B	Z	0	0	0	%100
37	MP4B	X	-.574	-.574	0	%100
38	MP4B	Z	0	0	0	%100
39	MP2B	X	-.574	-.574	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-.574	-.574	0	%100
42	MP1B	Z	0	0	0	%100
43	M100	X	-.416	-.416	0	%100
44	M100	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M1	X	0	0	0	%100
48	M1	Z	0	0	0	%100
49	M58A	X	-.635	-.635	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	-.635	-.635	0	%100
52	M91A	Z	0	0	0	%100
53	M76	X	-1.451	-1.451	0	%100
54	M76	Z	0	0	0	%100
55	M77	X	-1.108	-1.108	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	-1.451	-1.451	0	%100
58	M84	Z	0	0	0	%100
59	M85	X	-1.108	-1.108	0	%100
60	M85	Z	0	0	0	%100
61	M45	X	-.363	-.363	0	%100
62	M45	Z	0	0	0	%100
63	M46A	X	-1.108	-1.108	0	%100
64	M46A	Z	0	0	0	%100
65	M50A	X	-.363	-.363	0	%100
66	M50A	Z	0	0	0	%100
67	M51C	X	0	0	0	%100
68	M51C	Z	0	0	0	%100
69	M78	X	-.363	-.363	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	-1.108	-1.108	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	-.363	-.363	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	0	0	0	%100
76	M84A	Z	0	0	0	%100
77	M46	X	0	0	0	%100
78	M46	Z	0	0	0	%100
79	M80	X	-1.167	-1.167	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	-1.167	-1.167	0	%100
82	M91	Z	0	0	0	%100
83	M37	X	-1.088	-1.088	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	-1.167	-1.167	0	%100
86	M48	Z	0	0	0	%100
87	M53	X	0	0	0	%100
88	M53	Z	0	0	0	%100
89	M70	X	-1.088	-1.088	0	%100
90	M70	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,%]
91	M81	X	-1.167	-1.167	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	0	0	%100
95	M91B	X	0	0	0	%100
96	M91B	Z	0	0	0	%100
97	M92B	X	-.605	-.605	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	-.605	-.605	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	-.605	-.605	0	%100
102	M96	Z	0	0	0	%100
103	M97	X	-.605	-.605	0	%100
104	M97	Z	0	0	0	%100
105	M101	X	-1.183	-1.183	0	%100
106	M101	Z	0	0	0	%100
107	M102	X	-.971	-.971	0	%100
108	M102	Z	0	0	0	%100
109	M103A	X	-.971	-.971	0	%100
110	M103A	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M113	X	-.521	-.521	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	-.521	-.521	0	%100
116	M118	Z	0	0	0	%100
117	M125	X	-.613	-.613	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	-.613	-.613	0	%100
120	M126	Z	0	0	0	%100
121	M127	X	0	0	0	%100
122	M127	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	M4	X	-.615	-.615	0	%100
2	M4	Z	-.355	-.355	0	%100
3	M34	X	-.615	-.615	0	%100
4	M34	Z	-.355	-.355	0	%100
5	M67	X	0	0	0	%100
6	M67	Z	0	0	0	%100
7	M10	X	-.194	-.194	0	%100
8	M10	Z	-.112	-.112	0	%100
9	M43	X	-.194	-.194	0	%100
10	M43	Z	-.112	-.112	0	%100
11	M35	X	-.194	-.194	0	%100
12	M35	Z	-.112	-.112	0	%100
13	M36	X	-.194	-.194	0	%100
14	M36	Z	-.112	-.112	0	%100
15	M68	X	-.777	-.777	0	%100
16	M68	Z	-.448	-.448	0	%100
17	M69	X	-.777	-.777	0	%100
18	M69	Z	-.448	-.448	0	%100
19	MP3A	X	-.602	-.602	0	%100
20	MP3A	Z	-.348	-.348	0	%100
21	MP4A	X	-.497	-.497	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,%]
22	MP4A	Z	-.287	-.287	0	%100
23	MP2A	X	-.497	-.497	0	%100
24	MP2A	Z	-.287	-.287	0	%100
25	MP1A	X	-.497	-.497	0	%100
26	MP1A	Z	-.287	-.287	0	%100
27	MP3C	X	-.602	-.602	0	%100
28	MP3C	Z	-.348	-.348	0	%100
29	MP4C	X	-.497	-.497	0	%100
30	MP4C	Z	-.287	-.287	0	%100
31	MP2C	X	-.497	-.497	0	%100
32	MP2C	Z	-.287	-.287	0	%100
33	MP1C	X	-.497	-.497	0	%100
34	MP1C	Z	-.287	-.287	0	%100
35	MP3B	X	-.602	-.602	0	%100
36	MP3B	Z	-.348	-.348	0	%100
37	MP4B	X	-.497	-.497	0	%100
38	MP4B	Z	-.287	-.287	0	%100
39	MP2B	X	-.497	-.497	0	%100
40	MP2B	Z	-.287	-.287	0	%100
41	MP1B	X	-.497	-.497	0	%100
42	MP1B	Z	-.287	-.287	0	%100
43	M100	X	-.36	-.36	0	%100
44	M100	Z	-.208	-.208	0	%100
45	M41	X	-.175	-.175	0	%100
46	M41	Z	-.101	-.101	0	%100
47	M1	X	-.183	-.183	0	%100
48	M1	Z	-.106	-.106	0	%100
49	M58A	X	-.183	-.183	0	%100
50	M58A	Z	-.106	-.106	0	%100
51	M91A	X	-.733	-.733	0	%100
52	M91A	Z	-.423	-.423	0	%100
53	M76	X	-.942	-.942	0	%100
54	M76	Z	-.544	-.544	0	%100
55	M77	X	-.32	-.32	0	%100
56	M77	Z	-.185	-.185	0	%100
57	M84	X	-.942	-.942	0	%100
58	M84	Z	-.544	-.544	0	%100
59	M85	X	-1.28	-1.28	0	%100
60	M85	Z	-.739	-.739	0	%100
61	M45	X	-.942	-.942	0	%100
62	M45	Z	-.544	-.544	0	%100
63	M46A	X	-1.28	-1.28	0	%100
64	M46A	Z	-.739	-.739	0	%100
65	M50A	X	-.942	-.942	0	%100
66	M50A	Z	-.544	-.544	0	%100
67	M51C	X	-.32	-.32	0	%100
68	M51C	Z	-.185	-.185	0	%100
69	M78	X	0	0	0	%100
70	M78	Z	0	0	0	%100
71	M79A	X	-.32	-.32	0	%100
72	M79A	Z	-.185	-.185	0	%100
73	M83A	X	0	0	0	%100
74	M83A	Z	0	0	0	%100
75	M84A	X	-.32	-.32	0	%100
76	M84A	Z	-.185	-.185	0	%100
77	M46	X	-.314	-.314	0	%100
78	M46	Z	-.181	-.181	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,%]
79	M80	X	-.337	-.337	0	%100
80	M80	Z	-.195	-.195	0	%100
81	M91	X	-1.348	-1.348	0	%100
82	M91	Z	-.778	-.778	0	%100
83	M37	X	-.314	-.314	0	%100
84	M37	Z	-.181	-.181	0	%100
85	M48	X	-1.348	-1.348	0	%100
86	M48	Z	-.778	-.778	0	%100
87	M53	X	-.337	-.337	0	%100
88	M53	Z	-.195	-.195	0	%100
89	M70	X	-1.257	-1.257	0	%100
90	M70	Z	-.725	-.725	0	%100
91	M81	X	-.337	-.337	0	%100
92	M81	Z	-.195	-.195	0	%100
93	M86	X	-.337	-.337	0	%100
94	M86	Z	-.195	-.195	0	%100
95	M91B	X	-.175	-.175	0	%100
96	M91B	Z	-.101	-.101	0	%100
97	M92B	X	-.175	-.175	0	%100
98	M92B	Z	-.101	-.101	0	%100
99	M93A	X	-.175	-.175	0	%100
100	M93A	Z	-.101	-.101	0	%100
101	M96	X	-.698	-.698	0	%100
102	M96	Z	-.403	-.403	0	%100
103	M97	X	-.698	-.698	0	%100
104	M97	Z	-.403	-.403	0	%100
105	M101	X	-.963	-.963	0	%100
106	M101	Z	-.556	-.556	0	%100
107	M102	X	-.963	-.963	0	%100
108	M102	Z	-.556	-.556	0	%100
109	M103A	X	-.779	-.779	0	%100
110	M103A	Z	-.45	-.45	0	%100
111	M108	X	-.151	-.151	0	%100
112	M108	Z	-.087	-.087	0	%100
113	M113	X	-.151	-.151	0	%100
114	M113	Z	-.087	-.087	0	%100
115	M118	X	-.602	-.602	0	%100
116	M118	Z	-.348	-.348	0	%100
117	M125	X	-.177	-.177	0	%100
118	M125	Z	-.102	-.102	0	%100
119	M126	X	-.707	-.707	0	%100
120	M126	Z	-.408	-.408	0	%100
121	M127	X	-.177	-.177	0	%100
122	M127	Z	-.102	-.102	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	M4	X	-.118	-.118	0	%100
2	M4	Z	-.205	-.205	0	%100
3	M34	X	-.474	-.474	0	%100
4	M34	Z	-.821	-.821	0	%100
5	M67	X	-.118	-.118	0	%100
6	M67	Z	-.205	-.205	0	%100
7	M10	X	-.336	-.336	0	%100
8	M10	Z	-.582	-.582	0	%100
9	M43	X	-.336	-.336	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,%]
10	M43	Z	-.582	-.582	0	%100
11	M35	X	0	0	0	%100
12	M35	Z	0	0	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M68	X	-.336	-.336	0	%100
16	M68	Z	-.582	-.582	0	%100
17	M69	X	-.336	-.336	0	%100
18	M69	Z	-.582	-.582	0	%100
19	MP3A	X	-.348	-.348	0	%100
20	MP3A	Z	-.602	-.602	0	%100
21	MP4A	X	-.287	-.287	0	%100
22	MP4A	Z	-.497	-.497	0	%100
23	MP2A	X	-.287	-.287	0	%100
24	MP2A	Z	-.497	-.497	0	%100
25	MP1A	X	-.287	-.287	0	%100
26	MP1A	Z	-.497	-.497	0	%100
27	MP3C	X	-.348	-.348	0	%100
28	MP3C	Z	-.602	-.602	0	%100
29	MP4C	X	-.287	-.287	0	%100
30	MP4C	Z	-.497	-.497	0	%100
31	MP2C	X	-.287	-.287	0	%100
32	MP2C	Z	-.497	-.497	0	%100
33	MP1C	X	-.287	-.287	0	%100
34	MP1C	Z	-.497	-.497	0	%100
35	MP3B	X	-.348	-.348	0	%100
36	MP3B	Z	-.602	-.602	0	%100
37	MP4B	X	-.287	-.287	0	%100
38	MP4B	Z	-.497	-.497	0	%100
39	MP2B	X	-.287	-.287	0	%100
40	MP2B	Z	-.497	-.497	0	%100
41	MP1B	X	-.287	-.287	0	%100
42	MP1B	Z	-.497	-.497	0	%100
43	M100	X	-.208	-.208	0	%100
44	M100	Z	-.36	-.36	0	%100
45	M41	X	-.302	-.302	0	%100
46	M41	Z	-.524	-.524	0	%100
47	M1	X	-.317	-.317	0	%100
48	M1	Z	-.55	-.55	0	%100
49	M58A	X	0	0	0	%100
50	M58A	Z	0	0	0	%100
51	M91A	X	-.317	-.317	0	%100
52	M91A	Z	-.55	-.55	0	%100
53	M76	X	-.181	-.181	0	%100
54	M76	Z	-.314	-.314	0	%100
55	M77	X	0	0	0	%100
56	M77	Z	0	0	0	%100
57	M84	X	-.181	-.181	0	%100
58	M84	Z	-.314	-.314	0	%100
59	M85	X	-.554	-.554	0	%100
60	M85	Z	-.96	-.96	0	%100
61	M45	X	-.725	-.725	0	%100
62	M45	Z	-1.257	-1.257	0	%100
63	M46A	X	-.554	-.554	0	%100
64	M46A	Z	-.96	-.96	0	%100
65	M50A	X	-.725	-.725	0	%100
66	M50A	Z	-1.257	-1.257	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,%]
67	M51C	X	-.554	-.554	0	%100
68	M51C	Z	-.96	-.96	0	%100
69	M78	X	-.181	-.181	0	%100
70	M78	Z	-.314	-.314	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M83A	X	-.181	-.181	0	%100
74	M83A	Z	-.314	-.314	0	%100
75	M84A	X	-.554	-.554	0	%100
76	M84A	Z	-.96	-.96	0	%100
77	M46	X	-.544	-.544	0	%100
78	M46	Z	-.942	-.942	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M91	X	-.584	-.584	0	%100
82	M91	Z	-1.011	-1.011	0	%100
83	M37	X	0	0	0	%100
84	M37	Z	0	0	0	%100
85	M48	X	-.584	-.584	0	%100
86	M48	Z	-1.011	-1.011	0	%100
87	M53	X	-.584	-.584	0	%100
88	M53	Z	-1.011	-1.011	0	%100
89	M70	X	-.544	-.544	0	%100
90	M70	Z	-.942	-.942	0	%100
91	M81	X	0	0	0	%100
92	M81	Z	0	0	0	%100
93	M86	X	-.584	-.584	0	%100
94	M86	Z	-1.011	-1.011	0	%100
95	M91B	X	-.302	-.302	0	%100
96	M91B	Z	-.524	-.524	0	%100
97	M92B	X	0	0	0	%100
98	M92B	Z	0	0	0	%100
99	M93A	X	0	0	0	%100
100	M93A	Z	0	0	0	%100
101	M96	X	-.302	-.302	0	%100
102	M96	Z	-.524	-.524	0	%100
103	M97	X	-.302	-.302	0	%100
104	M97	Z	-.524	-.524	0	%100
105	M101	X	-.485	-.485	0	%100
106	M101	Z	-.841	-.841	0	%100
107	M102	X	-.592	-.592	0	%100
108	M102	Z	-1.025	-1.025	0	%100
109	M103A	X	-.485	-.485	0	%100
110	M103A	Z	-.841	-.841	0	%100
111	M108	X	-.261	-.261	0	%100
112	M108	Z	-.452	-.452	0	%100
113	M113	X	0	0	0	%100
114	M113	Z	0	0	0	%100
115	M118	X	-.261	-.261	0	%100
116	M118	Z	-.452	-.452	0	%100
117	M125	X	0	0	0	%100
118	M125	Z	0	0	0	%100
119	M126	X	-.306	-.306	0	%100
120	M126	Z	-.53	-.53	0	%100
121	M127	X	-.306	-.306	0	%100
122	M127	Z	-.53	-.53	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	M93A	Y	-3.57	-6.612	0	.876
2	M93A	Y	-6.612	-8.177	.876	1.751
3	M93A	Y	-8.177	-6.905	1.751	2.627
4	M93A	Y	-6.905	-4.259	2.627	3.503
5	M93A	Y	-4.259	-1.596	3.503	4.378
6	M96	Y	-3.624	-6.731	0	.876
7	M96	Y	-6.731	-8.414	.876	1.751
8	M96	Y	-8.414	-7.402	1.751	2.627
9	M96	Y	-7.402	-4.362	2.627	3.503
10	M96	Y	-4.362	-.564	3.503	4.378
11	M91B	Y	-3.569	-6.611	0	.876
12	M91B	Y	-6.611	-8.167	.876	1.751
13	M91B	Y	-8.167	-6.897	1.751	2.627
14	M91B	Y	-6.897	-4.26	2.627	3.503
15	M91B	Y	-4.26	-1.596	3.503	4.378
16	M92B	Y	-3.625	-6.739	0	.876
17	M92B	Y	-6.739	-8.419	.876	1.751
18	M92B	Y	-8.419	-7.403	1.751	2.627
19	M92B	Y	-7.403	-4.364	2.627	3.503
20	M92B	Y	-4.364	-.565	3.503	4.378
21	M41	Y	-3.562	-6.633	0	.876
22	M41	Y	-6.633	-8.249	.876	1.751
23	M41	Y	-8.249	-6.894	1.751	2.627
24	M41	Y	-6.894	-4.162	2.627	3.503
25	M41	Y	-4.162	-1.568	3.503	4.378
26	M97	Y	-3.569	-6.666	0	.876
27	M97	Y	-6.666	-8.315	.876	1.751
28	M97	Y	-8.315	-7.031	1.751	2.627
29	M97	Y	-7.031	-4.355	2.627	3.503
30	M97	Y	-4.355	-1.77	3.503	4.378

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	M93A	Y	-10.709	-19.837	0	.876
2	M93A	Y	-19.837	-24.53	.876	1.751
3	M93A	Y	-24.53	-20.715	1.751	2.627
4	M93A	Y	-20.715	-12.777	2.627	3.503
5	M93A	Y	-12.777	-4.788	3.503	4.378
6	M96	Y	-10.872	-20.192	0	.876
7	M96	Y	-20.192	-25.242	.876	1.751
8	M96	Y	-25.242	-22.207	1.751	2.627
9	M96	Y	-22.207	-13.085	2.627	3.503
10	M96	Y	-13.085	-1.691	3.503	4.378
11	M91B	Y	-10.706	-19.834	0	.876
12	M91B	Y	-19.834	-24.502	.876	1.751
13	M91B	Y	-24.502	-20.691	1.751	2.627
14	M91B	Y	-20.691	-12.781	2.627	3.503
15	M91B	Y	-12.781	-4.789	3.503	4.378
16	M92B	Y	-10.875	-20.217	0	.876
17	M92B	Y	-20.217	-25.256	.876	1.751
18	M92B	Y	-25.256	-22.209	1.751	2.627
19	M92B	Y	-22.209	-13.093	2.627	3.503
20	M92B	Y	-13.093	-1.694	3.503	4.378
21	M41	Y	-10.685	-19.898	0	.876
22	M41	Y	-19.898	-24.746	.876	1.751
23	M41	Y	-24.746	-20.682	1.751	2.627

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	M41	Y	-20.682	-12.486	2.627	3.503
25	M41	Y	-12.486	-4.704	3.503	4.378
26	M97	Y	-10.707	-19.997	0	.876
27	M97	Y	-19.997	-24.944	.876	1.751
28	M97	Y	-24.944	-21.094	1.751	2.627
29	M97	Y	-21.094	-13.065	2.627	3.503
30	M97	Y	-13.065	-5.309	3.503	4.378

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N153A	N158A	N87B	Y	Two Way	-.005
2	N150A	N126	N128	N149A	Y	Two Way	-.005
3	N159B	N55	N78	N76	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N153A	N158A	N87B	Y	Two Way	-.015
2	N150A	N126	N128	N149A	Y	Two Way	-.015
3	N159B	N55	N78	N76	Y	Two Way	-.015

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M4	HSS4X4X3	.145	0	10	.072	4...	y	15	95088.0...	106812	12.662	12.662	1...	H1-1b
2	M34	HSS4X4X3	.159	0	6	.079	4...	y	23	95088.0...	106812	12.662	12.662	1...	H1-1b
3	M67	HSS4X4X3	.144	4.367	18	.086	4...	y	39	95088.0...	106812	12.662	12.662	1...	H1-1b
4	M10	L3X3X6	.288	2.375	13	.277	....	z	7	60230.0...	68364	2.307	5.322	1...	H2-1
5	M43	L3X3X6	.315	0	13	.285	2...	z	1	60230.0...	68364	2.307	5.322	1...	H2-1
6	M35	L3X3X6	.310	2.375	20	.311	....	z	3	60230.0...	68364	2.307	5.322	1...	H2-1
7	M36	L3X3X6	.280	0	21	.324	2...	z	8	60230.0...	68364	2.307	5.322	1...	H2-1
8	M68	L3X3X6	.276	2.375	16	.310	....	y	4	60230.0...	68364	2.307	5.322	1...	H2-1
9	M69	L3X3X6	.278	0	17	.269	2...	y	11	60230.0...	68364	2.307	5.322	1...	H2-1
10	MP3A	PIPE_2.5	.238	3.188	1	.092	....		2	37773.8...	50715	3.596	3.596	1...	H1-1b
11	MP4A	PIPE_2.0	.262	3.125	22	.102	3...		8	20866.7...	32130	1.872	1.872	1...	H1-1b
12	MP2A	PIPE_2.0	.237	3.188	3	.070	....		6	20866.7...	32130	1.872	1.872	1...	H1-1b
13	MP1A	PIPE_2.0	.253	3.125	16	.103	2...		6	20866.7...	32130	1.872	1.872	1...	H1-1b
14	MP3C	PIPE_2.5	.239	3.25	9	.093	.75		10	37773.8...	50715	3.596	3.596	1...	H1-1b
15	MP4C	PIPE_2.0	.282	3.188	19	.106	3...		4	20866.7...	32130	1.872	1.872	1...	H1-1b
16	MP2C	PIPE_2.0	.219	3.188	10	.073	....		2	20866.7...	32130	1.872	1.872	2...	H1-1b
17	MP1C	PIPE_2.0	.254	3.188	13	.108	3...		2	20866.7...	32130	1.872	1.872	2...	H1-1b
18	MP3B	PIPE_2.5	.246	3.125	4	.072	....		6	37773.8...	50715	3.596	3.596	1...	H1-1b
19	MP4B	PIPE_2.0	.309	3.188	15	.098	3...		12	20866.7...	32130	1.872	1.872	1...	H1-1b
20	MP2B	PIPE_2.0	.221	3.125	8	.072	3...		10	20866.7...	32130	1.872	1.872	1...	H1-1b
21	MP1B	PIPE_2.0	.274	3.125	21	.113	....		10	20866.7...	32130	1.872	1.872	1...	H1-1b
22	M100	PIPE_2.0	.140	2	12	.016	2		12	30625.4...	32130	1.872	1.872	1...	H1-1b
23	M41	L2x2x4	.198	0	8	.019	4...	y	15	11571.0...	30585.6	.691	1.457	1...	H2-1
24	M1	PIPE_3.0	.122	3.25	26	.070	4.5		2	30165.1...	65205	5.749	5.749	2...	H1-1b
25	M58A	PIPE_3.0	.110	10.6...	19	.070	7.5		10	30165.1...	65205	5.749	5.749	2...	H1-1b
26	M91A	PIPE_3.0	.108	4.375	3	.062	7...		5	30165.1...	65205	5.749	5.749	2...	H1-1b
27	M76	PL3/8x6	.247	0	8	.308	0	y	19	70677.9...	72900	.57	9.113	1...	H1-1b
28	M77	PL3/8x6	.345	.167	8	.134	0	y	14	71601.7...	72900	.57	9.113	1...	H1-1b
29	M84	PL3/8x6	.234	0	4	.264	0	y	19	70677.9...	72900	.57	9.113	1...	H1-1b
30	M85	PL3/8x6	.360	.167	6	.149	0	y	24	71601.7...	72900	.57	9.113	1...	H1-1b
31	M45	PL3/8x6	.238	0	3	.330	0	y	15	70677.9...	72900	.57	9.113	1...	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
32	M46A	PL3/8x6	.379	.167	3	.148	0	y	21	71601.7...	72900	.57	9.113	1...	H1-1b
33	M50A	PL3/8x6	.191	.219	2	.242	0	y	15	70677.9...	72900	.57	9.113	1...	H1-1b
34	M51C	PL3/8x6	.414	.167	2	.129	0	y	20	71601.7...	72900	.57	9.113	1...	H1-1b
35	M78	PL3/8x6	.175	.219	10	.229	0	y	22	70677.9...	72900	.57	9.113	1...	H1-1b
36	M79A	PL3/8x6	.393	.167	10	.125	0	y	16	71601.7...	72900	.57	9.113	1...	H1-1b
37	M83A	PL3/8x6	.238	0	12	.294	0	y	23	70677.9...	72900	.57	9.113	1...	H1-1b
38	M84A	PL3/8x6	.326	.167	11	.128	0	y	17	71601.7...	72900	.57	9.113	1...	H1-1b
39	M46	PL3/8x6	.273	.516	2	.202	....	y	24	36639.4...	72900	.57	9.113	1...	H1-1b
40	M80	PL3/8x6	.102	.112	2	.298	0	y	24	72311.05	72900	.57	9.113	1...	H1-1b
41	M91	PL3/8x6	.092	.112	2	.365	0	y	14	72311.05	72900	.57	9.113	1...	H1-1b
42	M37	PL3/8x6	.284	.516	9	.215	....	y	22	36639.4...	72900	.57	9.113	1...	H1-1b
43	M48	PL3/8x6	.112	.112	9	.313	0	y	20	72311.05	72900	.57	9.113	1...	H1-1b
44	M53	PL3/8x6	.097	.112	9	.406	0	y	22	72311.05	72900	.57	9.113	1...	H1-1b
45	M70	PL3/8x6	.260	.516	6	.204	....	y	19	36639.4...	72900	.57	9.113	1...	H1-1b
46	M81	PL3/8x6	.083	.112	5	.402	0	y	18	72311.05	72900	.57	9.113	1...	H1-1b
47	M86	PL3/8x6	.100	.112	5	.395	0	y	40	72311.05	72900	.57	9.113	1...	H1-1b
48	M91B	L2x2x4	.172	4.378	23	.021	4...	z	23	11571.0...	30585.6	.691	1.448	1...	H2-1
49	M92B	L2x2x4	.187	0	4	.019	4...	y	23	11571.0...	30585.6	.691	1.457	1...	H2-1
50	M93A	L2x2x4	.170	4.378	19	.021	4...	z	19	11571.0...	30585.6	.691	1.448	1...	H2-1
51	M96	L2x2x4	.170	4.378	19	.021	4...	y	19	11571.0...	30585.6	.691	1.448	1...	H2-1
52	M97	L2x2x4	.181	4.378	15	.023	4...	z	15	11571.0...	30585.6	.691	1.448	1...	H2-1
53	M101	LL3x3x3x3	.081	5.928	13	.005	0	z	10	47259.2...	70632	5.543	3.745	1	H1-1b*
54	M102	LL3x3x3x3	.087	5.928	21	.005	5...	z	6	47259.2...	70632	5.543	3.745	1	H1-1b*
55	M103A	LL3x3x3x3	.085	5.928	17	.005	5...	z	8	47259.2...	70632	5.543	3.745	1	H1-1b*
56	M108	PIPE_2.5	.126	10.6...	3	.080	1...		8	15797.3	50715	3.596	3.596	3...	H1-1b
57	M113	PIPE_2.5	.119	3.375	17	.082	1.5		4	15797.3	50715	3.596	3.596	2...	H1-1b
58	M118	PIPE_2.5	.134	4.125	3	.075	1...		10	15797.3	50715	3.596	3.596	3...	H1-1b
59	M125	L3X3X4	.187	1.474	1	.038	1...	y	6	44464.5...	46656	1.688	3.756	2...	H2-1
60	M126	L3X3X4	.207	1.474	9	.042	0	y	2	44464.5...	46656	1.688	3.756	2...	H2-1
61	M127	L3X3X4	.173	1.474	5	.041	0	y	10	44464.5...	46656	1.688	3.756	2...	H2-1

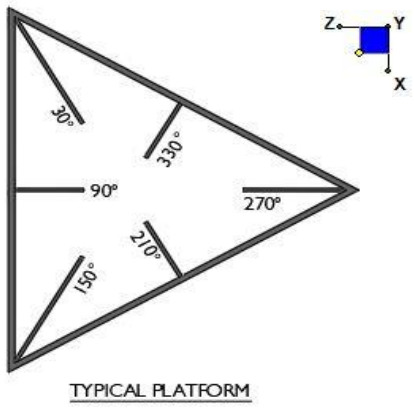
Client:	Verizon Wireless	Date:	7/6/2021
Site Name:	Rocky Hill 4 CT		
Project No.	21777941A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

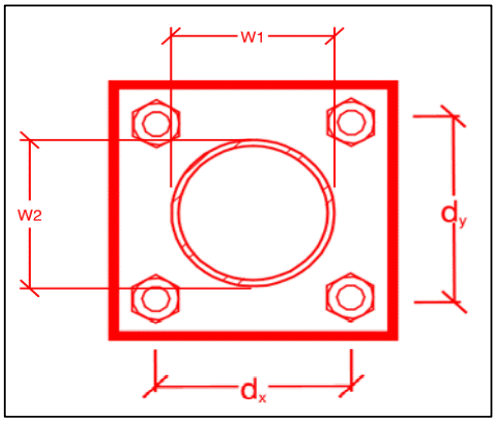
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N3	270
N52	30
N102A	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	1.9
Required Shear Strength (kips):	9.3
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**2.2%***
Shear Capacity Overall:	**18.6%**



**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):	0.5
Weld Size (1/16 in):	6
Phi*Rn (kip/in):	8.35
Required Weld Strength (kip/in):	1.14
Plate Bending Capacity:	**22.2%**
Weld Capacity:	**13.7%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	0.1
$Phi*Mn_{xx}$ *(kip-in)* :	20.3
Mu_{yy} *(kip-in)* :	4.4
$Phi*Mn_{yy}$ *(kip-in)* :	20.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

The proposed OVP shall be installed on the existing equipment pipe on the standoff arm.

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: 5 5 -VZW - ROCKY HILL 4 CT

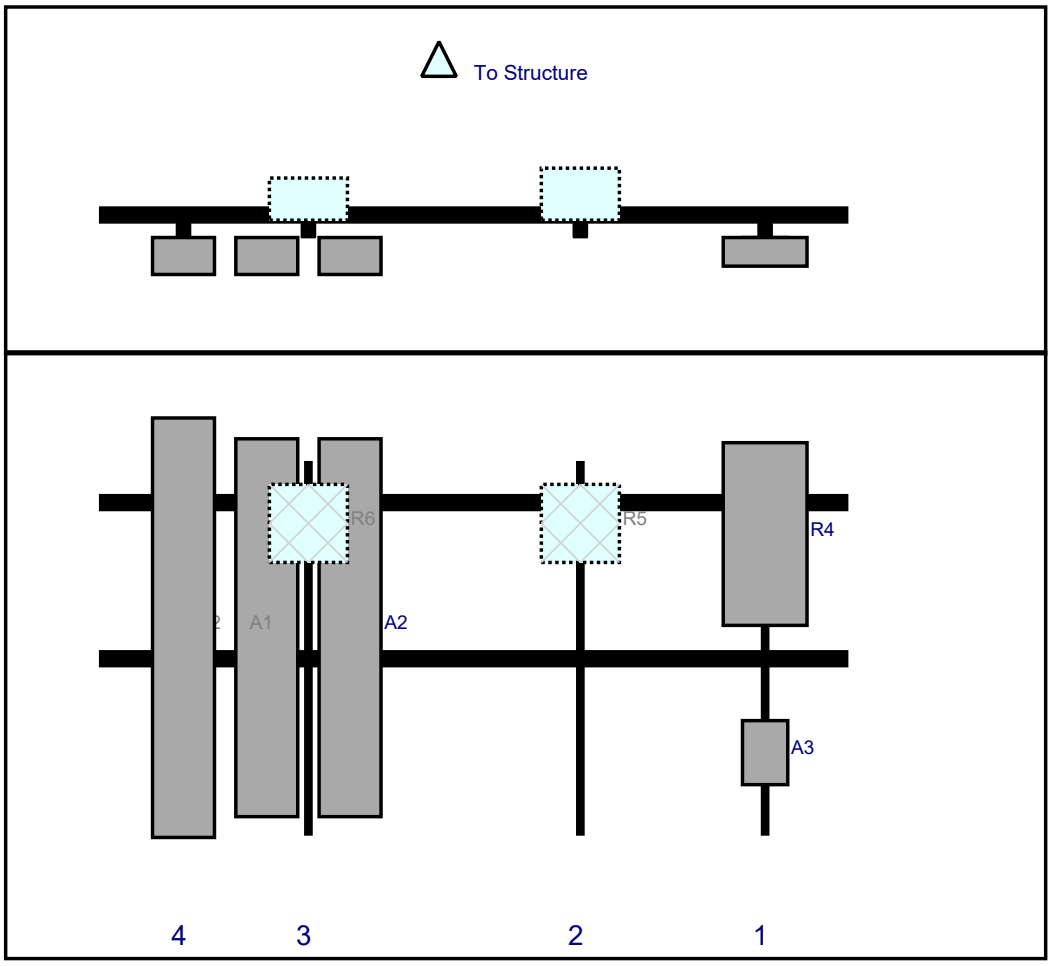
Sector: **A** 7/6/2021

Structure Type: Self Support 10066548

Mount Elev: 89.50 Page: 1

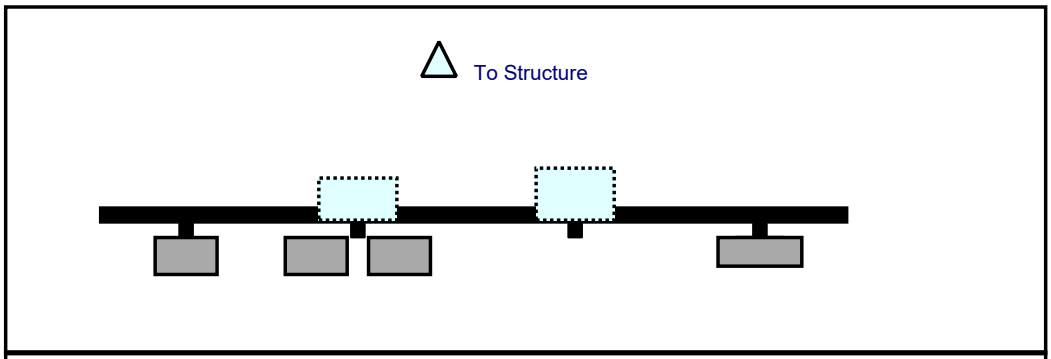
Plan View

Front View
Looking at Structure

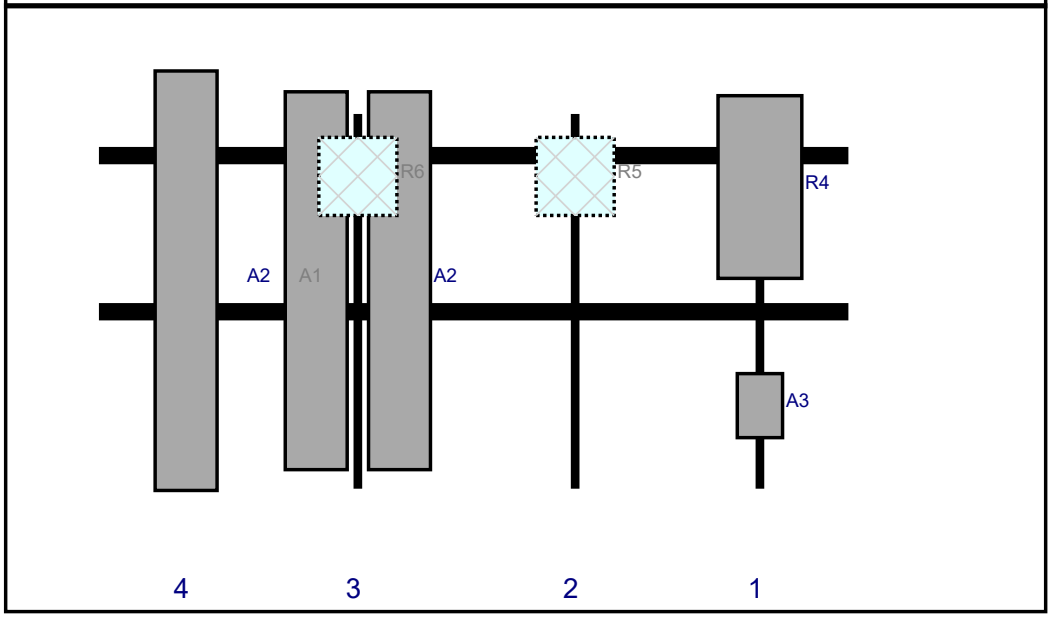


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	XXDWMM-12.5-65-CBRS	12.3	8.7	128	1	a	Front	56.04	0	Added	
R4	MT6407-77A	35.1	16.1	128	1	a	Front	14.04	0	Added	
R5	B2/B66A RRH-BR049	15	15	92.5	2	a	Behind	12	0	Added	
A2	SBNHH-1D65B	72.6	11.9	40.25	3	a	Front	32.04	8	Retained	05/04/2021
A2	SBNHH-1D65B	72.6	11.9	40.25	3	b	Front	32.04	-8	Retained	05/04/2021
R6	B5/B13 RRH-BR04C	15	15	40.25	3	a	Behind	12	0	Added	
A1	LNX-6514DS-A1M	80.6	11.9	16.25	4	a	Front	32.04	0	Retained	05/04/2021

Plan View



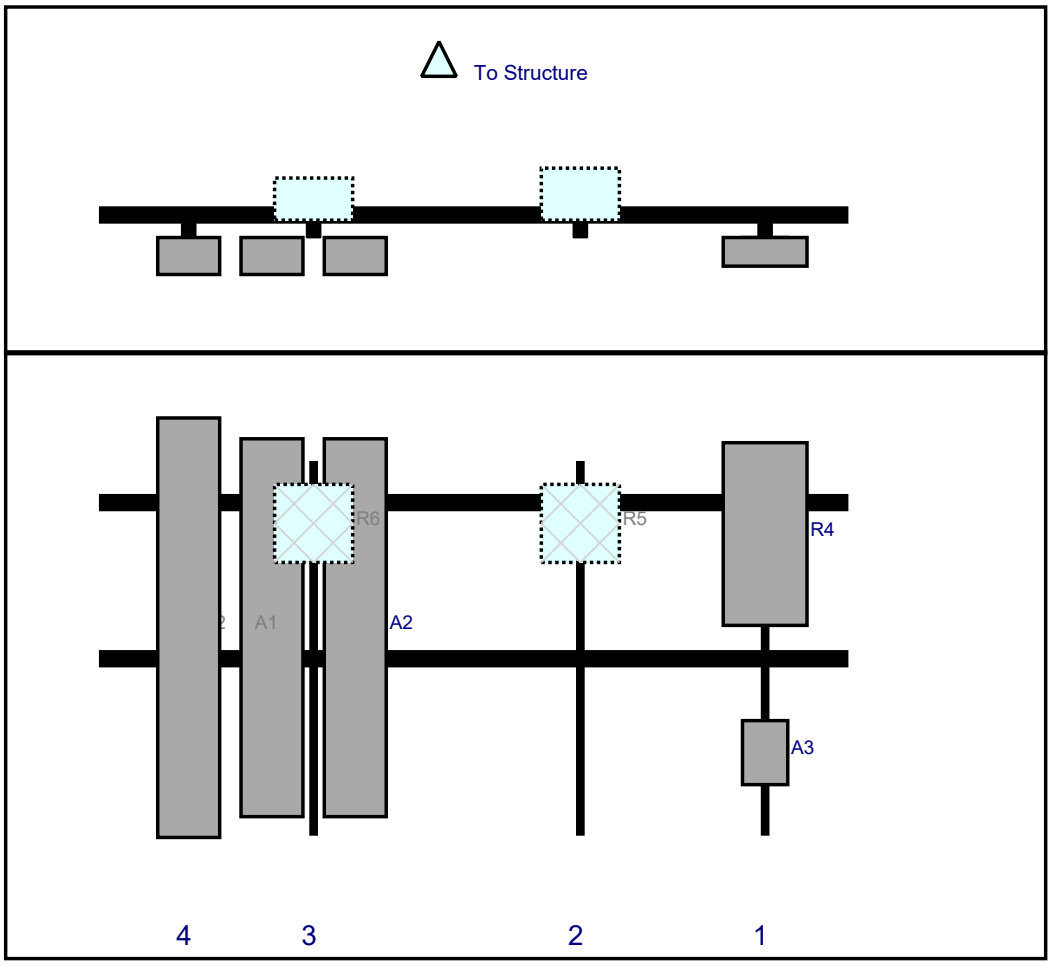
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	XXDWMM-12.5-65-CBRS	12.3	8.7	127	1	a	Front	56.04	0	Added	
R4	MT6407-77A	35.1	16.1	127	1	a	Front	14.04	0	Added	
R5	B2/B66A RRH-BR049	15	15	91.5	2	a	Behind	12	0	Added	
A2	SBNHH-1D65B	72.6	11.9	49.75	3	a	Front	32.04	8	Retained	05/04/2021
A2	SBNHH-1D65B	72.6	11.9	49.75	3	b	Front	32.04	-8	Retained	05/04/2021
R6	B5/B13 RRH-BR04C	15	15	49.75	3	a	Behind	12	0	Added	
A1	LNX-6514DS-A1M	80.6	11.9	16.75	4	a	Front	32.04	0	Retained	05/04/2021

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	XXDWMM-12.5-65-CBRS	12.3	8.7	128	1	a	Front	56.04	0	Added	
R4	MT6407-77A	35.1	16.1	128	1	a	Front	14.04	0	Added	
R5	B2/B66A RRH-BR049	15	15	92.5	2	a	Behind	12	0	Added	
A2	SBNHH-1D65B	72.6	11.9	41.25	3	a	Front	32.04	8	Retained	05/04/2021
A2	SBNHH-1D65B	72.6	11.9	41.25	3	b	Front	32.04	-8	Retained	05/04/2021
R6	B5/B13 RRH-BR04C	15	15	41.25	3	a	Behind	12	0	Added	
A1	LNX-6514DS-A1M	80.6	11.9	17.25	4	a	Front	32.04	0	Retained	05/04/2021

Maser Consulting Connecticut

Subject TIA-222-H Usage

Site Information	Site ID:	535833-VZW / ROCKY HILL 4 CT
	Site Name:	ROCKY HILL 4 CT
	Carrier Name:	Verizon Wireless
	Address:	2 West Street Rocky Hill, Connecticut 06067 Hartford County
	Latitude:	41.651764°
	Longitude:	-72.668472°
Structure Information	Tower Type:	107-Ft Monopole
	Mount Type:	12.00-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,

Derek Hartzell, PE
Technical Specialist

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 12.00' PLATFORM

SITE NAME: ROCKY HILL 4 CT
SITE NUMBER: 535833

2 WEST STREET
ROCKY HILL, CT 06067
HARTFORD COUNTY

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).

PROJECT INFORMATION

SITE INFORMATION

LATITUDE:	41.651764° N
LONGITUDE:	72.668472° W
JURISDICTION:	HARTFORD 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	MOUNT PHOTOS
	SPECIFICATION SHEETS

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10082847
VZW LOCATION CODE (PSLC):	535833
FUZE ID:	16502069

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #:	10066548
MASER CONSULTING PROJECT #:	21777941A
ANALYSIS DATE:	6/25/2021

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- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

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SCALE :	JOB NUMBER :
AS SHOWN	21777941A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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0	7/8/2021	ISSUED FOR CONSTRUCTION	DEH	DL

Digitally signed by Derek R. Hartzell
Date: 2021.07.09 09:05:59-04'00'

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:

ROCKY HILL 4 CT
535833

2 WEST STREET
ROCKY HILL, CT 06067
HARTFORD 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
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY	
3		VZWSMART-MSK2	CROSSOVER PLATE	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	72" LONG, P2.5 STD	GALVANIZED

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

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE

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

METROSITE FABRICATORS, LLC

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

PERFECTVISION

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

SABRE INDUSTRIES, INC.

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

SITE PRO 1

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

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

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SCALE : AS SHOWN | JOB NUMBER : 21777941A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	7/8/2021	ISSUED FOR CONSTRUCTION	DEH	DL

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

Derek Hartzell
CONNECTICUT PROFESSIONAL ENGINEER
MASER CONSULTING CONNECTICUT
CT. COA #PEC.0131

Digitally signed by Derek R. Hartzell
Date: 2021.07.09 09:06:16 -04'00'

SITE NAME:

ROCKY HILL 4 CT
535833

2 WEST STREET
ROCKY HILL, CT 06067
HARTFORD COUNTY

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

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : BILL OF MATERIALS

SHEET NUMBER : S-1

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 = 118 MPH

b. EXPOSURE CATEGORY C

c. TOPOGRAPHIC CATEGORY 1

d. MEAN BASE ELEVATION (AMSL) = 197.12'

ICE LOADS

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

b. ICE THICKNESS = 1.50 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_S = .201

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

STRUCTURAL STEEL

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

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

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

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SCALE :	JOB NUMBER :
AS SHOWN	21777941A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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.	.	.	.	.
0	7/8/2021	ISSUED FOR CONSTRUCTION	DEH	DL

STATE OF CONNECTICUT DEREK R. HARTZELL 32710 LICENSED PROFESSIONAL ENGINEER

Derek Hartzell
MASER CONSULTING CONNECTICUT

Digitally signed by Derek R. Hartzell
Date: 2021.07.09 09:06:17-04'00'

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:

ROCKY HILL 4 CT
535833

2 WEST STREET
ROCKY HILL, CT 06067
HARTFORD 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.

\AcPublish_23384\ROCKY HILL 4 CT_16502069_Mount MOD Drawing_.dwg\S-2 By: DHOLMES

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.

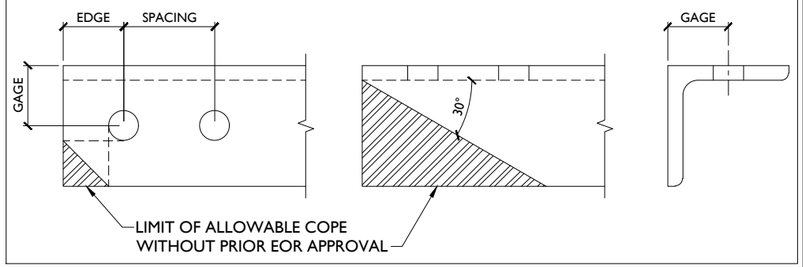
REQUIRED PHOTOS

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

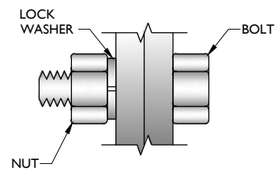
PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

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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JOB NUMBER: 21777941A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	7/8/2021	ISSUED FOR CONSTRUCTION	DEH	DL

STATE OF CONNECTICUT — DEREK R. HARTZELL — 32710 — LICENSED PROFESSIONAL ENGINEER
Derek Hartzell
CONNECTICUT LICENSED PROFESSIONAL ENGINEER
MASER CONSULTING CONNECTICUT
C.T. C.O.A. #: PEC.0031
Digitally signed by Derek R. Hartzell
Date: 2021.07.09 09:06:17-04'00'

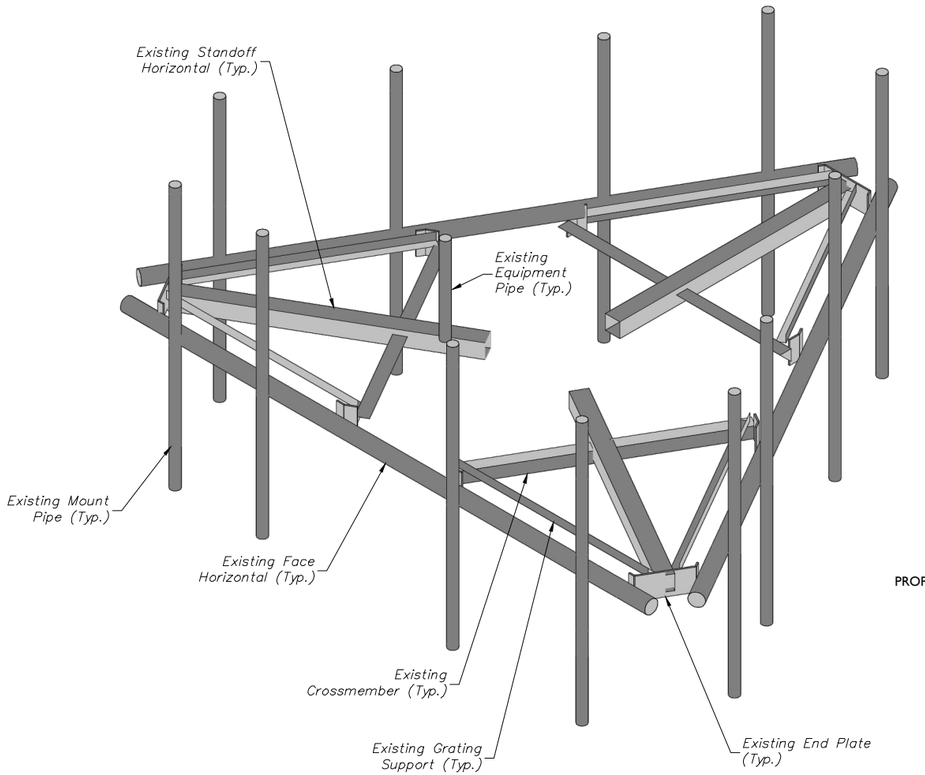
SITE NAME:

ROCKY HILL 4 CT
535833
2 WEST STREET
ROCKY HILL, CT 06067
HARTFORD COUNTY

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

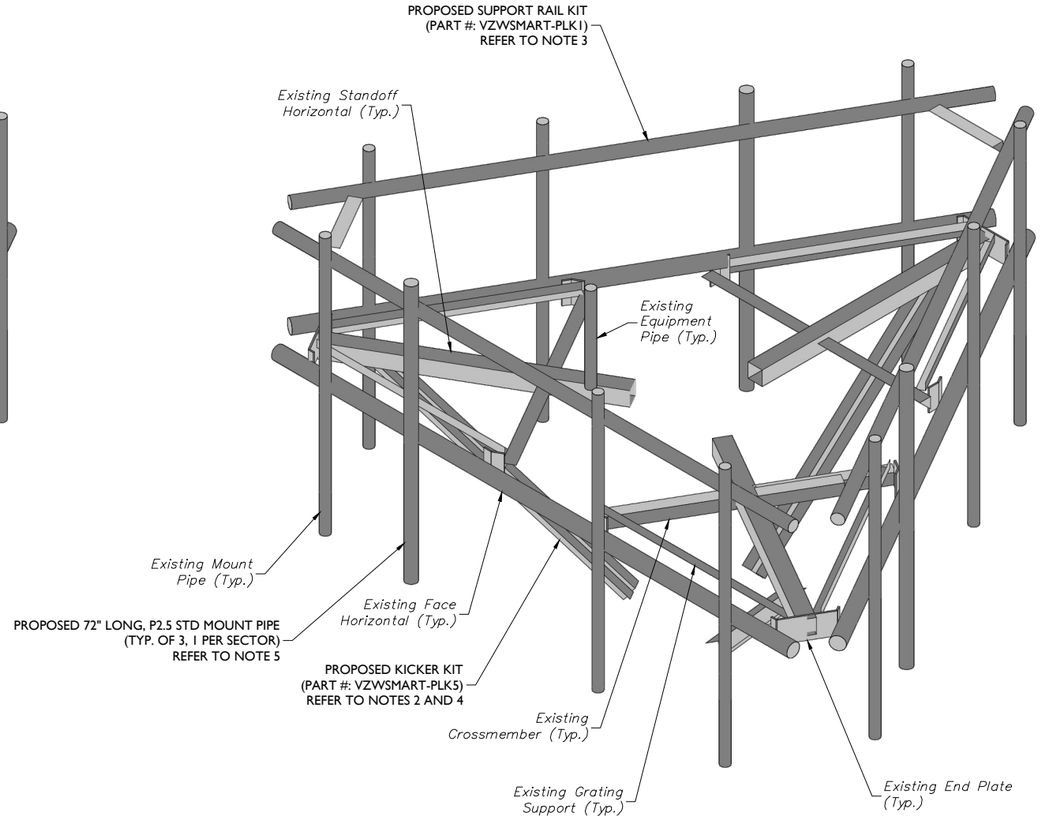
SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: S-3



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 STRUCTURAL COMPONENTS, LLC ON 5/4/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (89'-6") ARE NOT IN GOOD CONDITION. THE SAFETY CLIMB IS CURRENTLY TAGGED OUT.
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 SUPPORT RAIL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
5. CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK2).

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Derek R. Hartzell
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MASER CONSULTING CONNECTICUT
C.T. C.O.A. #: PEC.0131

Digitally signed by Derek R. Hartzell
Date: 2021.07.09 09:06:17 -04'00'

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HARTFORD COUNTY

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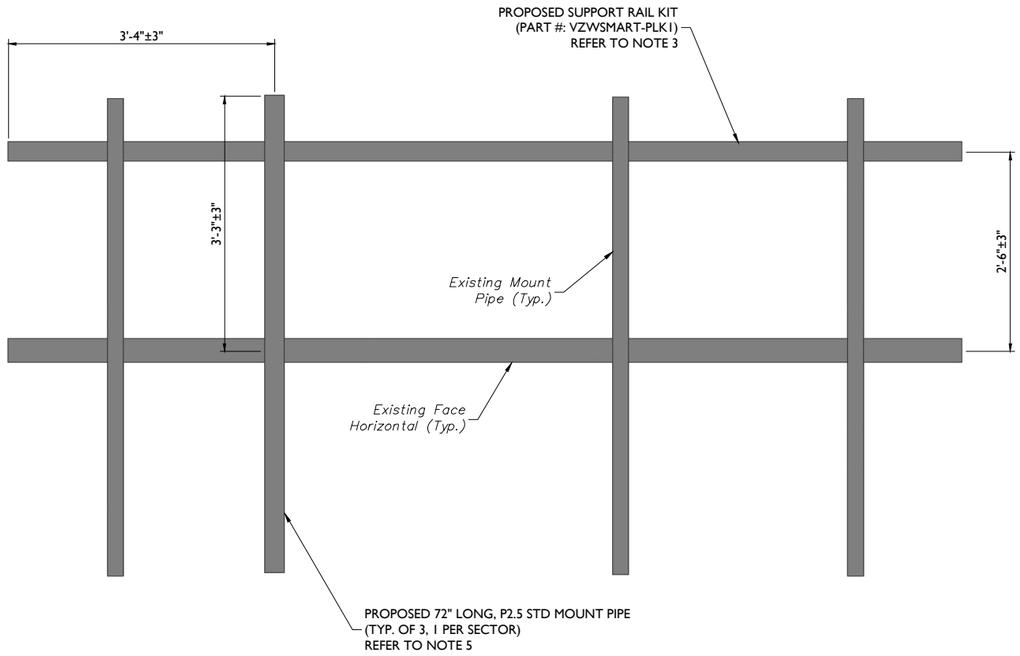
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-4

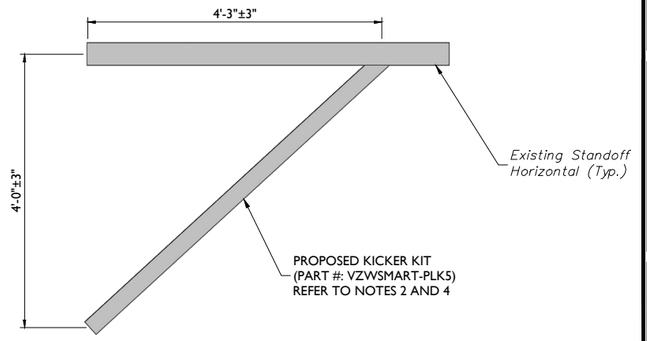


1 PROPOSED FRONT ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.

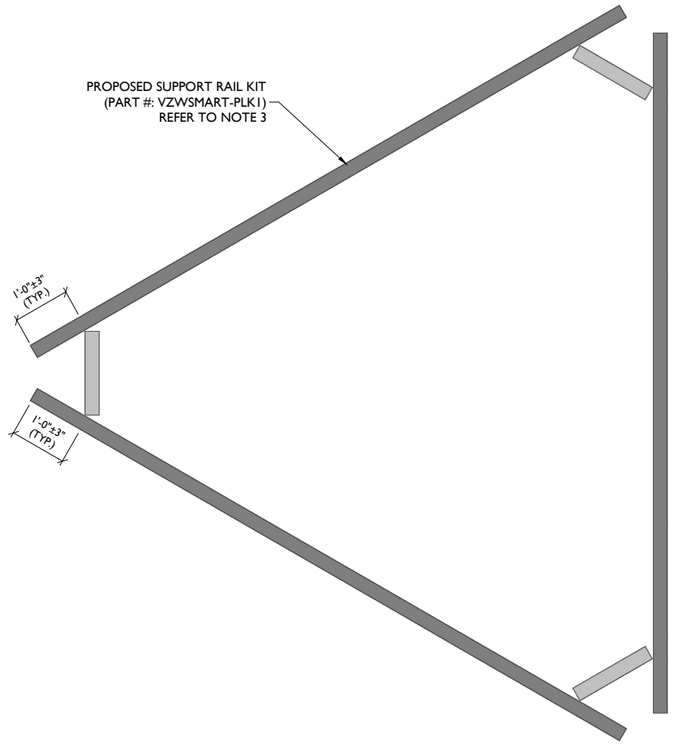
MODIFICATION NOTES:

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 SUPPORT RAIL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
5. CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK2).



2 PROPOSED SIDE ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.



3 PROPOSED PLAN VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.

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CONNECTICUT PROFESSIONAL ENGINEER
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C.T. C.O.A. #: PEC.0000131

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Fax: 856.722.1120

SHEET TITLE :
MODIFICATION DETAILS

SHEET NUMBER :
S-5

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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AS SHOWN	21777941A

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STATE OF CONNECTICUT · DEREK R. HARTZELL · 32711 · LICENSED PROFESSIONAL ENGINEER

Derek Hartzell
CONNECTICUT PROFESSIONAL ENGINEER
MASER CONSULTING CONNECTICUT
CT. COA #PEC.0003131

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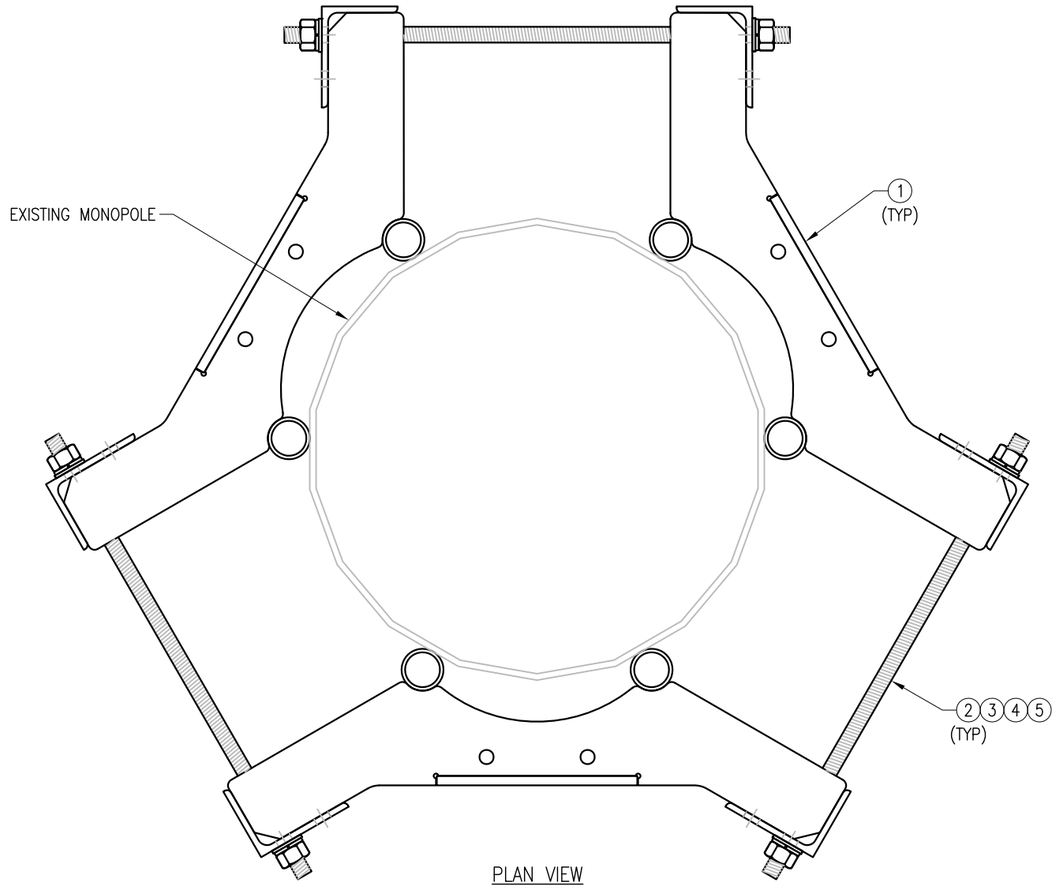
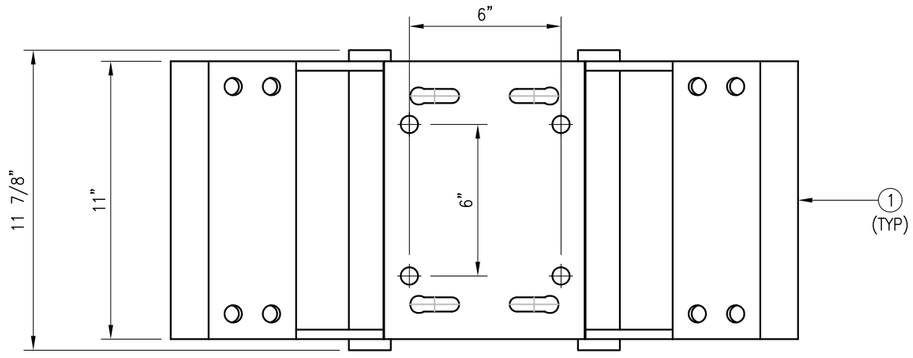
SHEET TITLE:
MOUNT PHOTOS

SHEET NUMBER:
S-6



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

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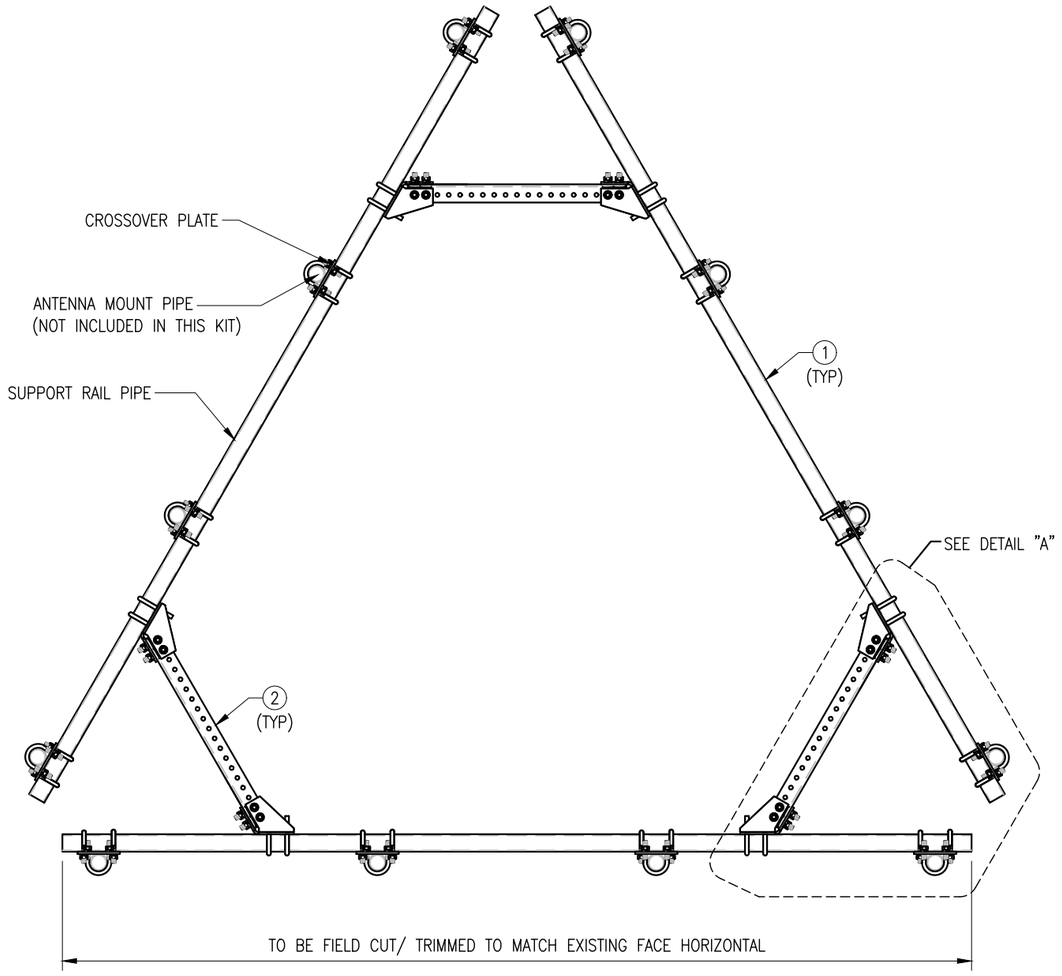
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

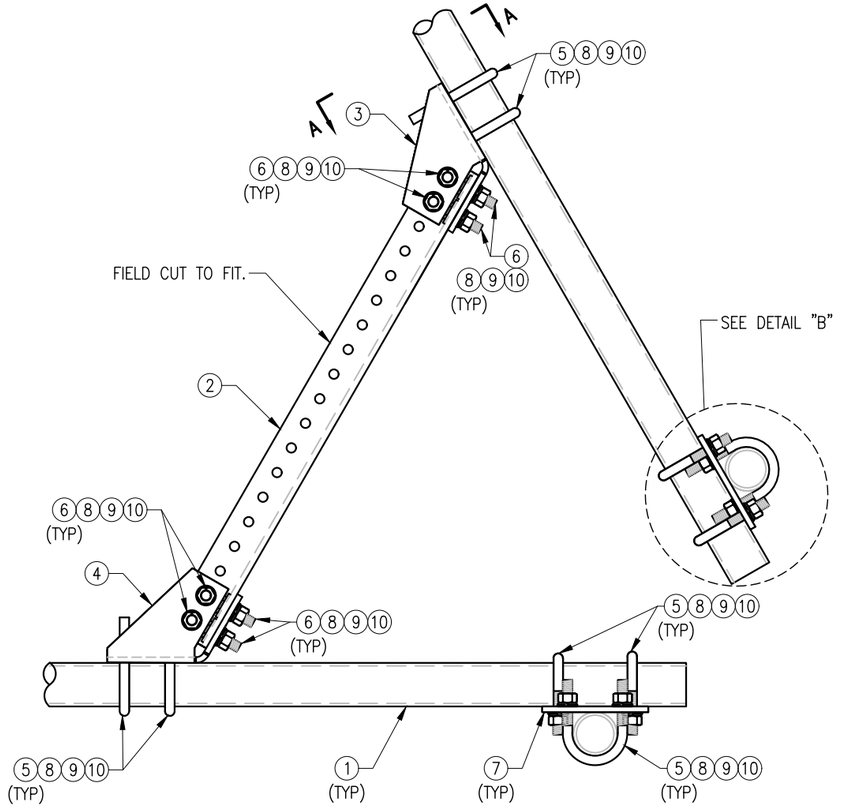
SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

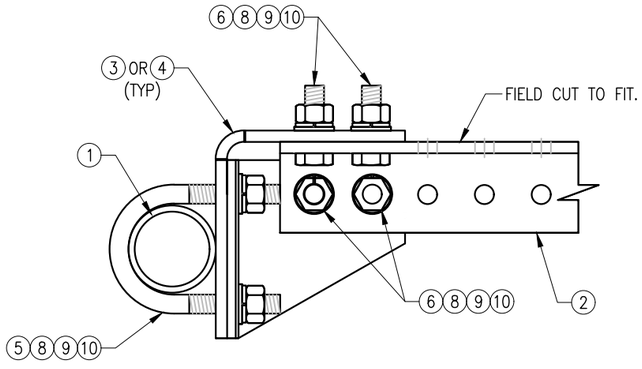
REV #: 0



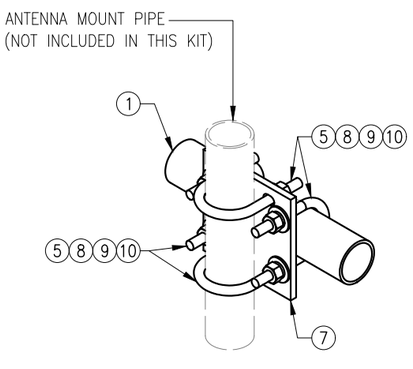
PLAN VIEW



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

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DRAWN BY: H.R | CHECKED BY: HMA

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

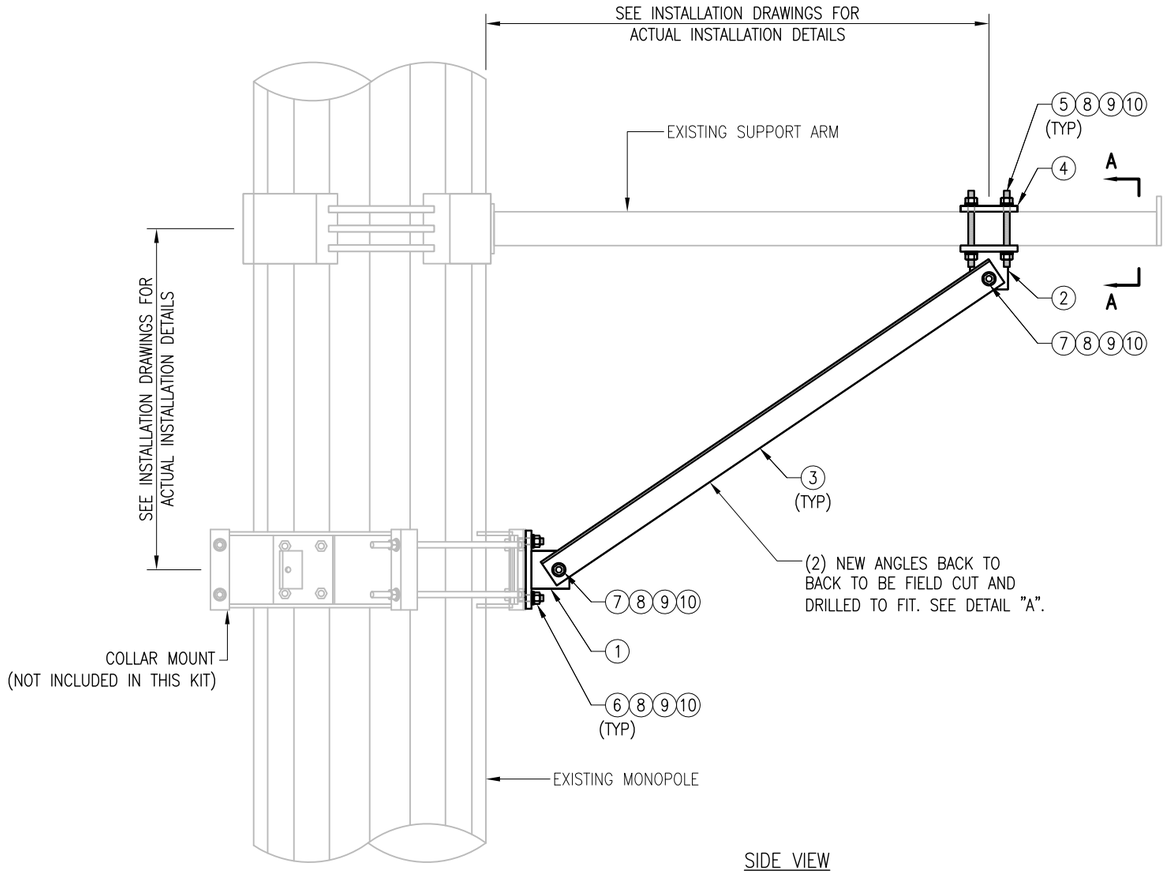
SHEET TITLE:

VZWSMART–PLK1
SUPPORT RAIL KIT

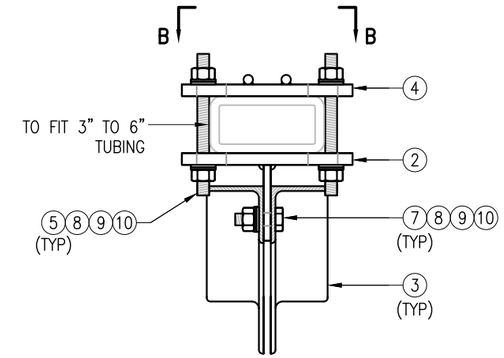
SHEET NUMBER: VZWSMART–PLK1

REV #: 0

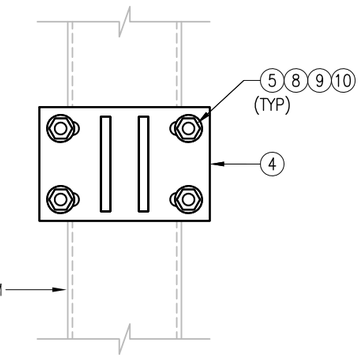
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



SIDE VIEW
KICKER KIT

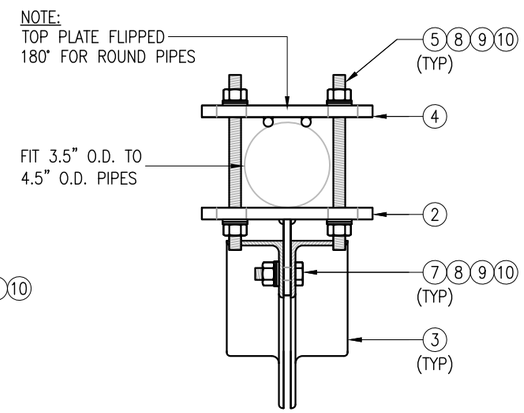


SECTION "A–A"
RECT. HSS MOUNTING

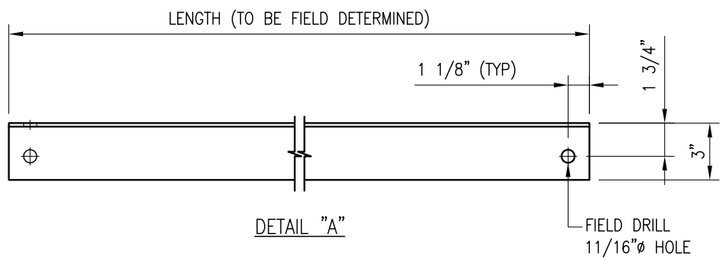


SECTION "B–B"

NOTE:
TOP PLATE FLIPPED 180° FOR ROUND PIPES



SECTION "A–A"
ROUND PIPE MOUNTING



DETAIL "A"

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT–DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

VZWSMART–PLK5 (KICKER KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW–XXX	BRACKET WELDMENT A36	PLK5–F3	43.8
2	3	BRKW–XXXX	BRACKET WELDMENT A36	PLK5–F2	35.7
3	6	L331875–8	L 3" X 3" X 3/16" X 8'–0" A36	PLK5–F4	182.9
4	3	PL–KI	PL 5/8" X 6" X 9" A36	PLK5–F1	29.0
5	12	---	THREADED ROD 5/8" DIA. X 1'–0" F1554–36 HDG	---	--
6	6	---	BOLT 5/8" X 2" A325	---	--
7	12	---	BOLT 5/8" X 2 1/2" A325	---	--
8	42	FW–625	5/8" HDG USS FLAT WASHER	---	3
9	42	LW–625	5/8" HDG LOCK WASHER	---	1
10	42	NUT–625	5/8" HDG HEX NUT	---	5
				GALVANIZED WT	291

VzW
SMART Tool©
Vendor

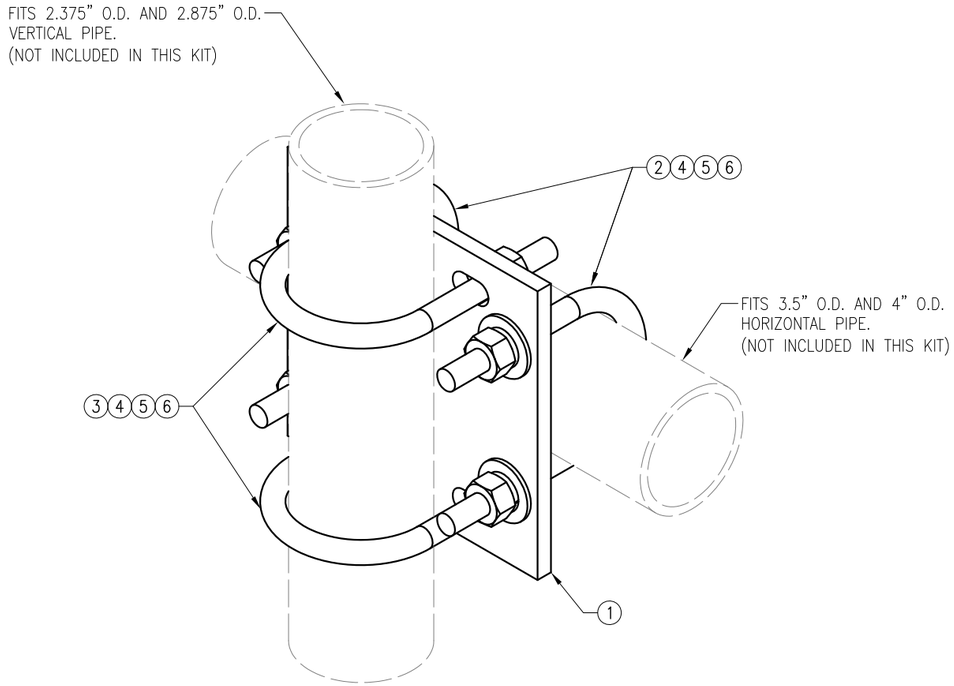
verizon

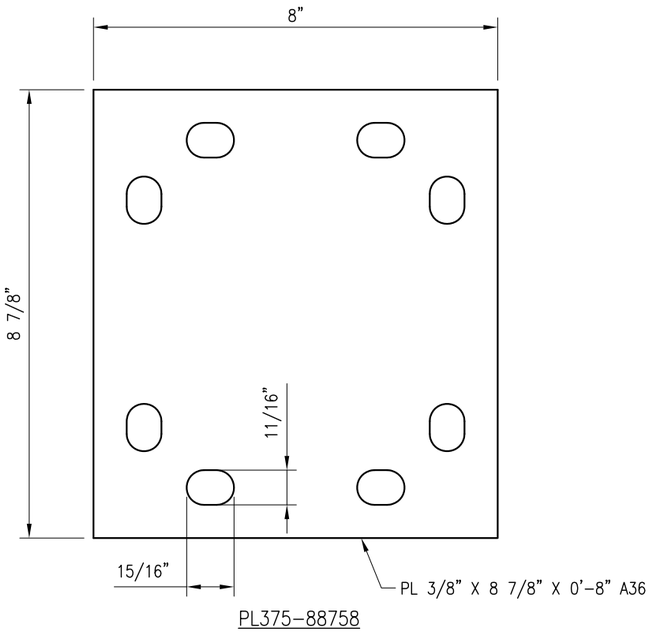
DRAWN BY: MN | CHECKED BY: HMA/KW

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

SHEET TITLE:
VZWSMART–PLK5
KICKER KIT

SHEET NUMBER: VZWSMART–PLK5
REV #: 0





PL375-88758

VZWSMART-MSK2 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-88758	PL 3/8" X 8 3/4" X 0'-8" A36	MSK2-F1	8
2	2	MS02-625-4125-600	RU-BOLT 5/8" X 4 1/8" I.W. X 6" I.L. A36 (OR EQUIV.)	RBC-1	3
3	2	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	3
4	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
5	8	LW-625	5/8" HDG LOCK WASHER	---	0
6	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	15

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

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-MSK2
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK2

REV #: 0

Site Name: ***ROCKY HILL 4 CT***
Cumulative Power Density

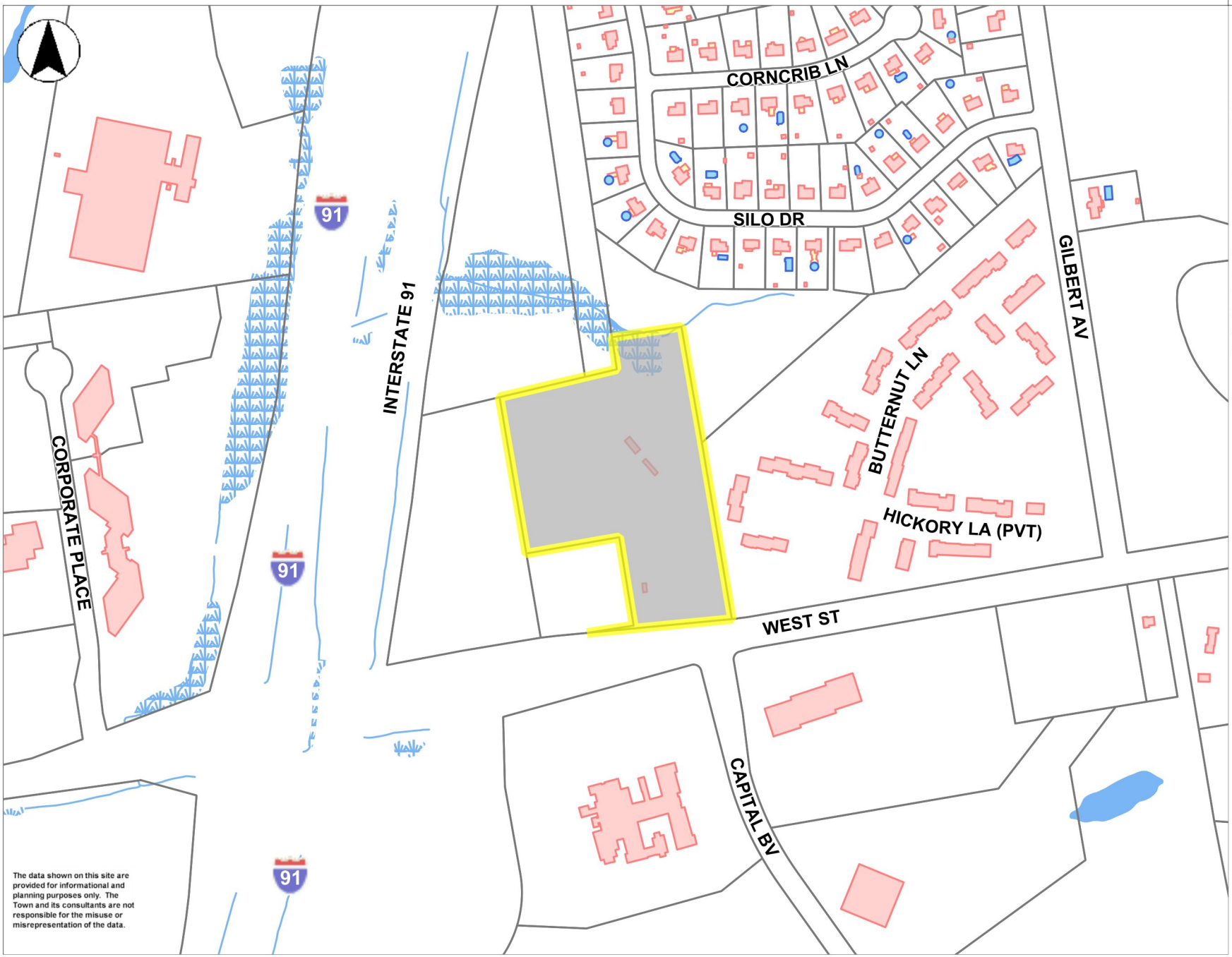
Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	697	2788	90	0.0124	0.5007	2.47%
VZW CDMA	869	2	402	804	90	0.0036	0.5793	0.62%
VZW Cellular	869	4	826	3304	90	0.0147	0.5793	2.53%
VZW PCS	1970	4	1593	6372	90	0.0283	1.0000	2.83%
VZW AWS	2110	4	1563	6252	90	0.0278	1.0000	2.78%
VZW CBAND	3730.08	4	6531	26124	91.5	0.1122	1.0000	11.22%
VZW CBRS	3625	4	12	48	88	0.0002	1.0000	0.02%

Total Percentage of Maximum Permissible Exposure 22.47%

*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.



Printed on 08/31/2021 at 08:00 AM

MapsOnline by PeopleGIS

tyler clt division

COMMERCIAL PROPERTY RECORD CARD 2019

TOWN OF ROCKY HILL

Situs : 699 WEST STREET	PARCEL ID: 1181	Class: 400V	Card: 1 of 1	Printed: March 5, 2020

CURRENT OWNER

CONNECTICUT LIGHT + POWER CO THE
PO BOX 270
HARTFORD CT 06141-0270
139/448 07/01/1982

GENERAL INFORMATION

Living Units	
Neighborhood	I
Alternate ID	001195
Vol / Pg	139/448
Map/Lot	12-192
Zoning	R-20
Class	COMMERCIAL

12-192-001 11/05/2012

Property Notes

Land Information

Type		Size	Influence Factors	Influence %	Value
Primary	AC	5.0000			900,000
Excess	AC	4.9800			99,600

Total Acres: 9.98
Spot: Location:

Assessment Information

	Assessed	Appraised	Cost	Income	Market
Land	699,720	999,600	999,600	0	0
Building	143,570	205,100	205,100	0	0
Total	843,290	1,204,700	1,204,700	0	0

Manual Override Reason
Base Date of Value
Value Flag
Effective Date of Value
Gross Building:

Entrance Information

Date	ID	Entry Code	Source
12/16/13	ST	Hearing No Change	From Conversion
01/27/09	ST	Hearing No Change	From Conversion

Permit Information

Date Issued	Number	Price	Purpose		% Complete
04/25/18	2018-428	25,000	CM	At&T, An Existing Tenant On The E	0
01/18/17	2017-323	15,000	RE	Verizon Wireless Is Replacing Ant	0
03/07/13	2013-0266	15,000	CM	Install Antenna'S And All Related E	0
11/30/12	2013-0148	2,900	EL	Wiring For Antennas	0
09/07/12	2013-0079	20,000	CM	Replace And Wire Anttenas On Ex	0

Sales/Ownership History

Transfer Date	Price	Type	Validity	Deed Reference	Deed Type	Grantee
07/01/82		Vacant - Land Only Sale	No Consideration	139/448	No Consideration	CONNECTICUT LIGHT + POWER CO THE

Inspection Witnessed By _____

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COMMERCIAL PROPERTY RECORD CARD 2019

TOWN OF ROCKY HILL

Situs : 699 WEST STREET	Parcel Id: 1181	Class: 400V	Card: 1 of 1	Printed: March 5, 2020

Building Information

Year Built/Eff Year	/
Building #	
Structure Type	
Identical Units	
Total Units	
Grade	
# Covered Parking	
# Uncovered Parking	
DBA	

Building Other Features

Line	Type	+/-	Meas1	Meas2	# Stops	Ident Units	Line	Type	+/-	Meas1	Meas2	# Stops	Ident Units

Interior/Exterior Information

Line	Level From - To	Int Fin	Area	Perim	Use Type	Wall Height	Ext Walls	Construction	Partitions	Heating	Cooling	Plumbing	Physical	Functional

Interior/Exterior Valuation Detail

Line	Area	Use Type	% Good	% Complete	Use Value/RCNLD

Outbuilding Data

Line	Type	Yr Blt	Meas1	Meas2	Qty	Area	Grade	Phy Fun	Value
1	Frame Shed	2003			1	312	A	G	3,280
2	Miscellane	2018			1	1	C	G	
3	Tower Cell	2008			1	150	C	G	198,000
4	Frame Shed	2003			1	360	A	G	3,780

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COMMERCIAL PROPERTY RECORD CARD 2019

TOWN OF ROCKY HILL

Situs : 699 WEST STREET	Parcel Id: 1181	Class: 400V	Card: 1 of 1	Printed: March 5, 2020

Addtional Property Photos

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COMMERCIAL PROPERTY RECORD CARD 2019

TOWN OF ROCKY HILL

Situs : 699 WEST STREET	Parcel Id: 1181	Class: 400V	Card: 1 of 1	Printed: March 5, 2020

Income Detail (Includes all Buildings on Parcel)

Use Grp	Mod Type	Inc Mod	Model Description	Units	Net Area	Income Rate	Econ Adjust	Potential Gross Income	Vac Model	Vac Adj	Additional Income	Effective Gross Income	Expense Model %	Expense Adj %	Expense Adj	Other Expenses	Total Expenses	Net Operating Income

Apartment Detail - Building 1 of 1

Line	Use Type	Per Bldg	Beds	Baths	Units	Rent	Income

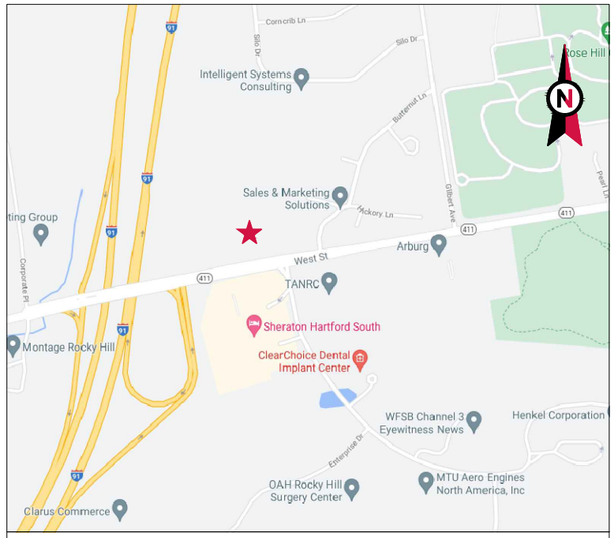
Building Cost Detail - Building 1 of 1

Total Gross Building Area	
Replace, Cost New Less Depr	
Percent Complete	100
Number of Identical Units	
Economic Condition Factor	
Final Building Value	
Value per SF	0.00

Notes - Building 1 of 1

Income Summary (Includes all Building on Parcel)

Total Gross Rent Area	
Total Gross Building Area	



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: RKHL - ROCKY HILL
ATC SITE NUMBER: 302479
VERIZON SITE NAME: ROCKY HILL 4 CT
VERIZON SITE NUMBER:535833
SITE ADDRESS: 699 WEST STREET
ROCKY HILL, CT 06067

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: EVER SOURCE
PHONE: (877) 659-6326

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

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

PROJECT SUMMARY

SITE ADDRESS:

699 WEST STREET

ROCKY HILL, CT 06067

COUNTY: HARTFORD

GEOGRAPHIC COORDINATES:

LATITUDE: 41.65176

LONGITUDE: -72.66847

GROUND ELEVATION: 200' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS
20 ALEXANDER DRIVE,
2ND FLOOR
WALLINGFORD, CT 06492

ENGINEER:

DEWBERRY ENGINEERS, INC.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02100

PROPERTY OWNER:

THE CONNECTICUT LIGHT AND POWER CO
699 WEST STREET
ROCKY HILL, CT 06067

PROJECT DESCRIPTION

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

REMOVE (3) ANTENNA(s), (6) RRU(s), (1) OVP AND (2) NON LI HYBRID CABLE(s)

INSTALL (6) ANTENNA(s), (12) RRU(s), (1) OVP AND (2) 6X12 1-5/8" HYBRID CABLE(s)

RELOCATE (3) ANTENNA(s)

EXISTING (6) ANTENNA(s) AND (6) 1-5/ 8" TO REMAIN

PROJECT NOTES

1. THE FACILITY IS UNMANNED.
2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.
3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.
4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.
5. HANDICAP ACCESS IS NOT REQUIRED.
6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).

PROJECT LOCATION DIRECTIONS

FROM HARTFORD - TAKE I 91 SOUTH TO EXIT 23 - TAKE LEFT AT OFF RAMP AND GO TO SET OF LIGHTS AND TAKE LEFT ONTO ACCESS ROAD TO TOWER.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	08/09/21	SL
G-002	GENERAL NOTES	0	08/09/21	SL
C-101	DETAILED SITE PLAN	0	08/09/21	SL
C-201	TOWER ELEVATION	0	08/09/21	SL
C-401	ANTENNA INFORMATION & SCHEDULE	0	08/09/21	SL
C-501	CONSTRUCTION DETAILS	0	08/09/21	SL
E-501	GROUNDING DETAILS	0	08/09/21	SL
R-601	SUPPLEMENTAL			
R-602	SUPPLEMENTAL			
	MOUNT MODIFICATION DRAWINGS (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	SL	07/02/21
0	FINAL	SL	08/09/21

ATC SITE NUMBER:
302479

ATC SITE NAME:
RKHL - ROCKY HILL

VERIZON SITE NAME:
ROCKY HILL 4 CT

SITE ADDRESS:
699 WEST STREET
ROCKY HILL, CT 06067

SEAL:

verizon

DATE DRAWN:	07/02/21
ATC JOB NO:	13678056
CUSTOMER ID:	ROCKY HILL 4 CT
CUSTOMER #:	535833

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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SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	SL	07/02/21
0	FINAL	SL	08/09/21

ATC SITE NUMBER:
302479

ATC SITE NAME:
RKHL - ROCKY HILL

VERIZON SITE NAME:
ROCKY HILL 4 CT

SITE ADDRESS:
699 WEST STREET
ROCKY HILL, CT 06067

SEAL:

verizon

DATE DRAWN:	07/02/21
ATC JOB NO:	13678056
CUSTOMER ID:	ROCKY HILL 4 CT
CUSTOMER #:	535833

GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	0

SITE PLAN NOTES:

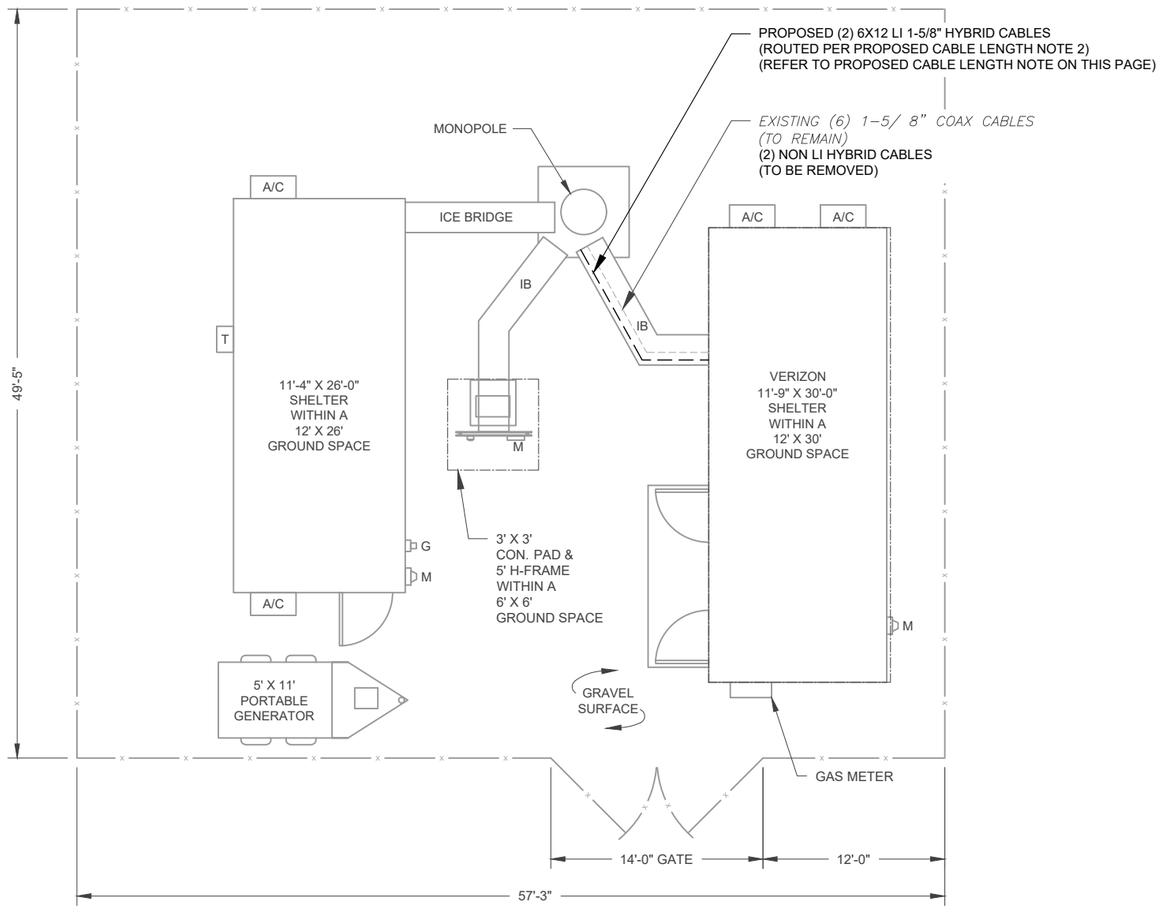
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.

3. THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

LEGEND

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



PROPOSED CABLE LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **117'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).

1 DETAILED SITE PLAN

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 UNIT = 10 FEET

N

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verizon

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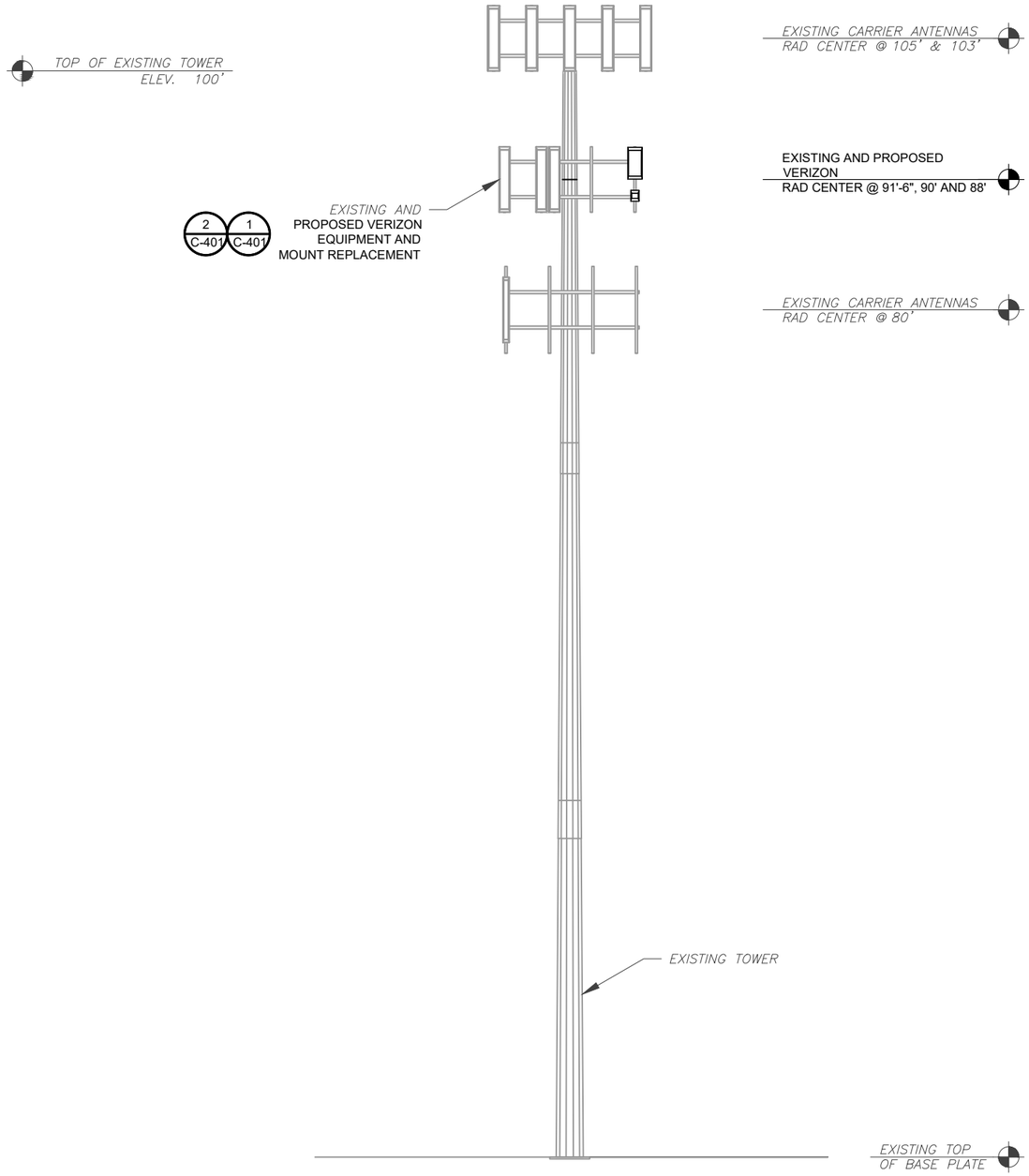
CUSTOMER #:	535833

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 07/09/21, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION DETAILED 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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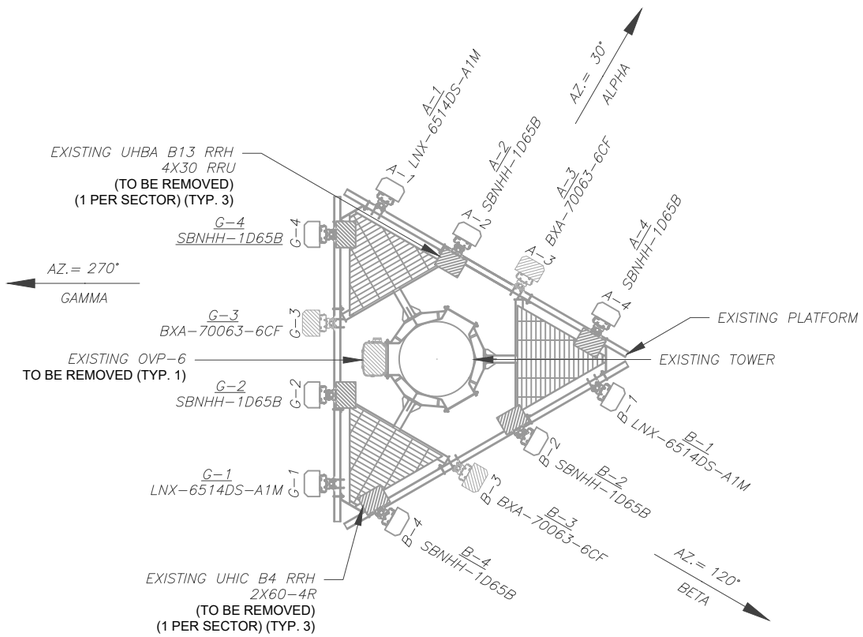
CUSTOMER #:	535833

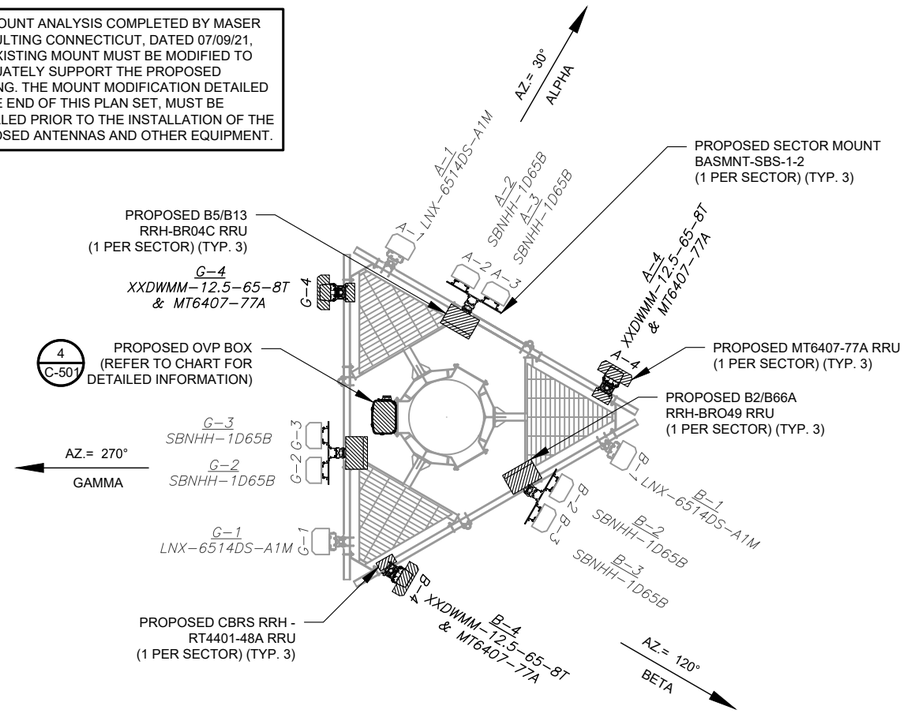
TOWER ELEVATION

SHEET NUMBER:	REVISION:
C-201	0



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

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING CONNECTICUT, DATED 07/09/21, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION DETAILED 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	90'	30°	A1	LNX-6514DS-A1M	850 CDMA	0,0	RMN	–	–
			A2	SBNHH-1D65B	700/AWS	0/2,4	RMN	UHBA B13 RRH 4X30 RRU	RMV
			A3	BXA-70063-6CF	–	–	RMV	–	–
			A4	SBNHH-1D65B	700/AWS	0/2,4	REL	UHIC B4 RRH 2X60 RRU	RMV
BETA	90'	120°	B1	LNX-6514DS-A1M	850 CDMA	0,0	RMN	–	–
			B2	SBNHH-1D65B	700/AWS	0/2,4	RMN	UHBA B13 RRH 4X30 RRU	RMV
			B3	BXA-70063-6CF	–	–	RMV	–	–
			B4	SBNHH-1D65B	700/AWS	0/2,4	REL	UHIC B4 RRH 2X60 RRU	RMV
GAMMA	90'	270°	G1	LNX-6514DS-A1M	850 CDMA	0,0	RMN	–	–
			G2	SBNHH-1D65B	700/AWS	0/2,4	RMN	UHBA B13 RRH 4X30 RRU	RMV
			G3	BXA-70063-6CF	–	–	RMV	–	–
			G4	SBNHH-1D65B	700/AWS	0/2,4	REL	UHIC B4 RRH 2X60 RRU	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	90'	30°	A1	LNX-6514DS-A1M	850 CDMA	0/0	RMN	-	-
			A2	SBNHH-1D65B	700/850 5G/1900/AWS	0/2,2,4,4	RMN	B2/B66A RRH-BR049	ADD
			A3	SBNHH-1D65B	700/850 5G/1900/AWS	0/2,2,4,4	REL	B5/B13 RRH-BR04C	ADD
	91'-6"		A4	MT6407-77A	L-SUB6	0/6	ADD	MT6407-77A	ADD
	88'			XXDWMM-12.5-65-8T	CBRS	0/8	ADD	CBRS RRH - RT4401-48A	ADD
BETA	90'	120°	B1	LNX-6514DS-A1M	850 CDMA	0/0	RMN	-	-
			B2	SBNHH-1D65B	700/850 5G/1900/AWS	0/2,2,4,4	RMN	B2/B66A RRH-BR049	ADD
			B3	SBNHH-1D65B	700/850 5G/1900/AWS	0/2,2,4,4	REL	B5/B13 RRH-BR04C	ADD
	91'-6"		B4	MT6407-77A	L-SUB6	0/6	ADD	MT6407-77A	ADD
	88'			XXDWMM-12.5-65-8T	CBRS	0/8	ADD	CBRS RRH - RT4401-48A	ADD
GAMMA	90'	270°	G1	LNX-6514DS-A1M	850 CDMA	0/0	RMN	-	-
			G2	SBNHH-1D65B	700/850 5G/1900/AWS	0/2,2,4,4	RMN	B2/B66A RRH-BR049	ADD
			G3	SBNHH-1D65B	700/850 5G/1900/AWS	0/2,2,4,4	REL	B5/B13 RRH-BR04C	ADD
	91'-6"		G4	MT6407-77A	L-SUB6	0/6	ADD	MT6407-77A	ADD
	88'			XXDWMM-12.5-65-8T	CBRS	0/8	ADD	CBRS RRH - RT4401-48A	ADD

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
–	–	(6) 1-5/ 8"	–	RMN
OVP 6	RMV	–	(2) NON LI	RMV

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

3 EQUIPMENT SCHEDULES

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	SL	07/02/21
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302479

ATC SITE NAME:
RKHL - ROCKY HILL

VERIZON SITE NAME:
ROCKY HILL 4 CT

SITE ADDRESS:
699 WEST STREET
ROCKY HILL, CT 06067

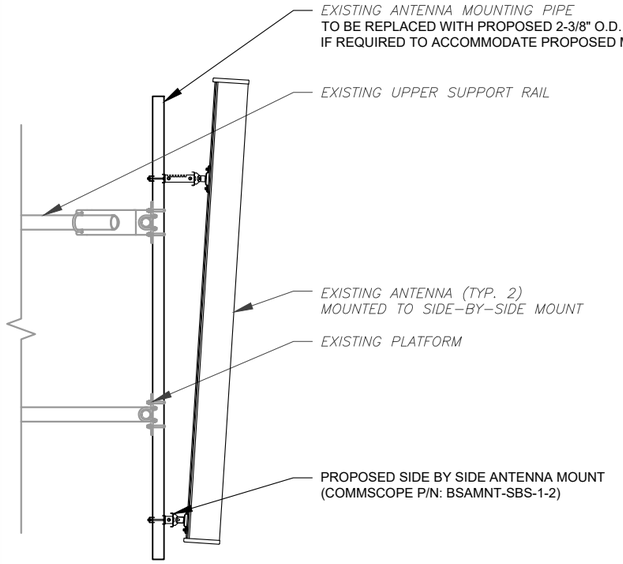
SEAL:

verizon

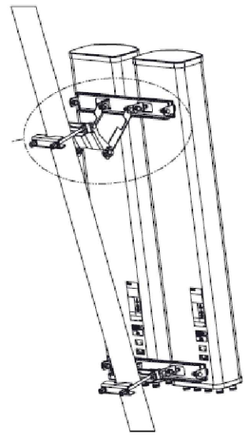
DATE DRAWN:	07/02/21
ATC JOB NO:	13678056
CUSTOMER ID:	ROCKY HILL 4 CT
CUSTOMER #:	535833

ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:	REVISION:
C-401	0



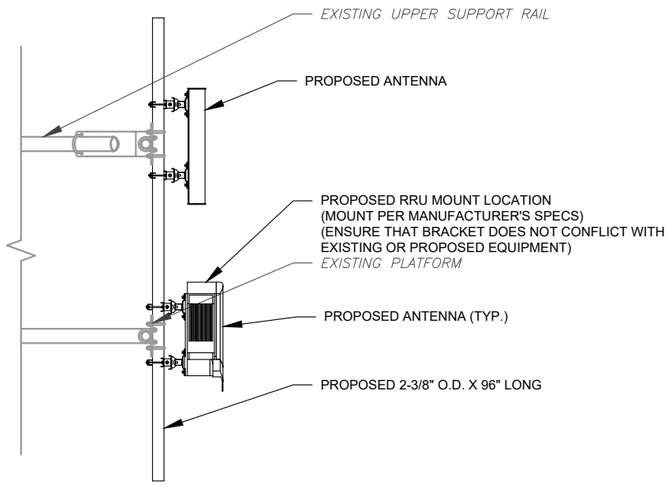
PROFILE VIEW



ISOMETRIC VIEW (BY MANUFACTURER)

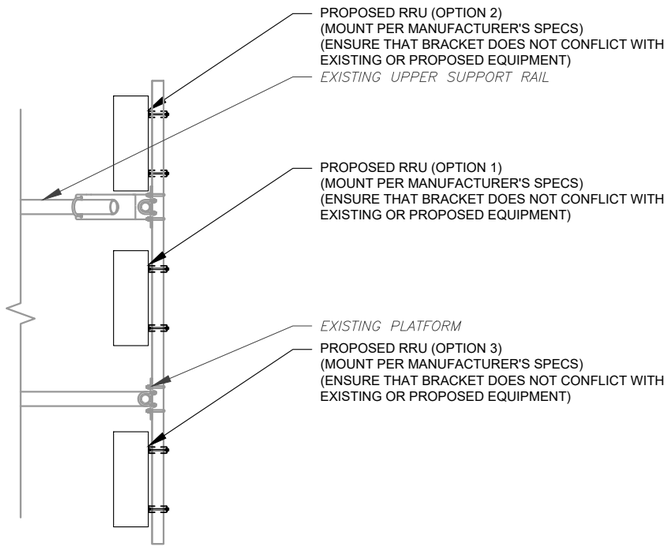
1 PROPOSED SIDE-BY-SIDE MOUNT

SCALE: NOT TO SCALE



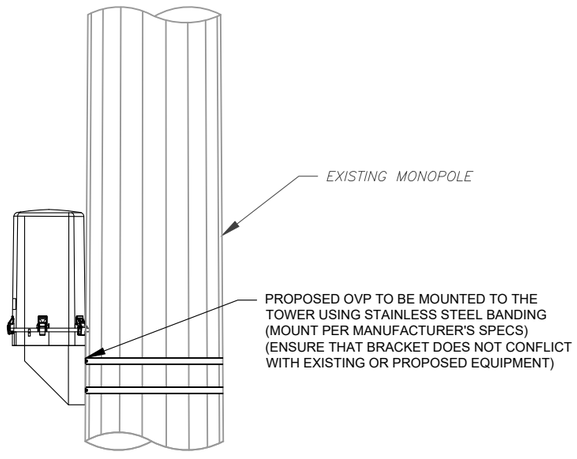
2 PROPOSED 5G AND XXDWMM ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



4 PROPOSED OVP MOUNTING

SCALE: N.T.S.

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SEAL:

verizon

DATE DRAWN:	07/02/21
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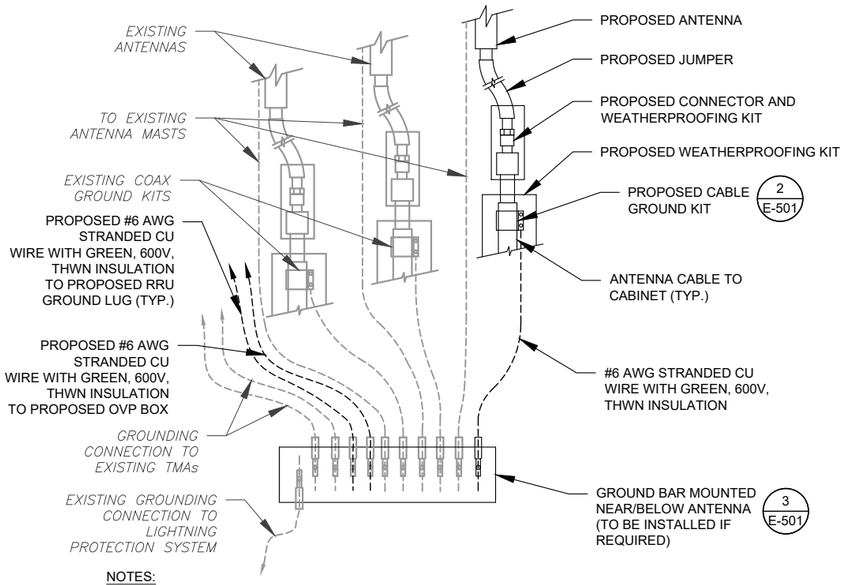
CUSTOMER #:	535833

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

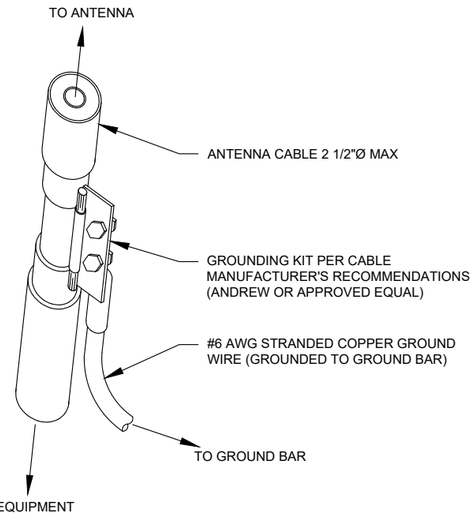


NOTES:

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.

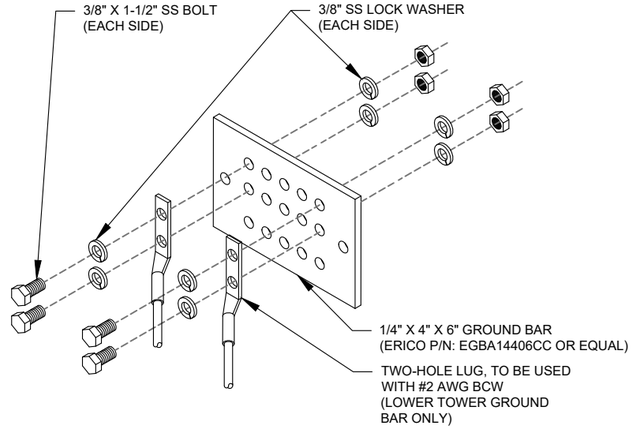


GROUND KIT NOTES:

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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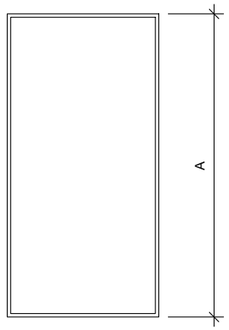
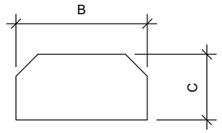
GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0



FRONT VIEW

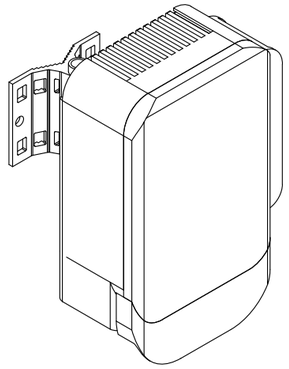


TOP VIEW

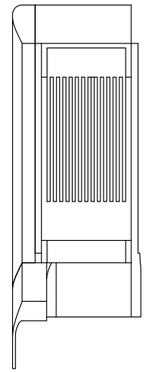
1 ANTENNA SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

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



ISOMETRIC

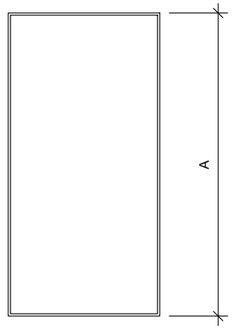


SIDE

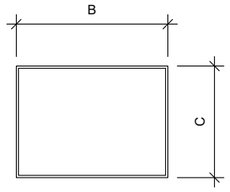
ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
XXDWMM-12.5-65-8T-CBRS	10.7"	9.1"	1.2"	4.4
CBRS RRH-RT4401-48A	12.1"	8.5"	4.1"	18.6

2 PROPOSED CBRS RRH WITH XXDWMM CLIP ANTENNA DETAIL

NOT TO SCALE



FRONT VIEW



TOP VIEW

3 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
MT6407-77A	35.1"	16.1"	5.5"	81.6

AMERICAN TOWER®

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

ATC SITE NUMBER:
302479

ATC SITE NAME:
RKHL - ROCKY HILL

VERIZON SITE NAME:
ROCKY HILL 4 CT

SITE ADDRESS:
699 WEST STREET
ROCKY HILL, CT 06067

verizon

DATE DRAWN:	07/02/21
ATC JOB NO:	13678056
CUSTOMER ID:	ROCKY HILL 4 CT
CUSTOMER #:	535833

SUPPLEMENTAL

SHEET NUMBER:
R-601

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10082847
Maser Consulting Connecticut Project #: 21777941A

July 9, 2021

Site Information

Site ID:	*535833-VZW / ROCKY HILL 4 CT*
Site Name:	*ROCKY HILL 4 CT*
Carrier Name:	*Verizon Wireless*
Address:	*2 West Street* *Rocky Hill, Connecticut 06067* *Hartford County*
Latitude:	*41.651764°*
Longitude:	*-72.668472°*

Structure Information

Tower Type:	*107-Ft Monopole*
Mount Type:	*12.00-Ft Platform*

FUZE ID # 16502069

Analysis Results

Platform: **41.4% Pass**

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

Report Prepared By: Lauren Luzier

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

Digitally signed by Derek Hartzell
Date: 2021.07.09 08:56:59-07'00'

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	*15.9 %*	*Pass*
Platform Crossmember	*32.4 %*	*Pass*
Dual Mount Pipe	*24.6 %*	*Pass*
Mount Pipe	*30.9 %*	*Pass*
Grating Support	*19.8 %*	*Pass*
Face Horizontal	*12.2 %*	*Pass*
Cross Arm Plate	*41.4 %*	*Pass*
Corner Plate	*40.6 %*	*Pass*
Kickers	*8.7 %*	*Pass*
Support Rail	*13.4 %*	*Pass*
Support Rail Corner	*20.7 %*	*Pass*
Mount Connection	*22.2 %*	*Pass*
Structure Rating – *(Controlling Utilization of all Components)*	**41.4%**	

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.

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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SUPPLEMENTAL

SHEET NUMBER:
R-602