John Coleman, Project Manager
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (240) 615 -7389
JColeman@clinellc.com

December 2, 2021

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

RE: Notice of Exempt Modification // Site: Tolland CT (ATC: 302495)
56 Ruops Road, Tolland, CT 06084
N 41.87333 // W 72.3383

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless currently maintains 15 antennas at the 140-foot mount on the existing 165 foot monopine tower, located at 56 Ruops Road, Tolland, CT. The tower is owned by American Tower. The property is owned by the town of Tolland, CT. The Council approved Verizon Wireless use of tower in 1996. Verizon Wireless now intends to install 3 antennas with RRHs and install them on side-by-side mounts for its 5G upgrade. Additionally, Verizon Wireless will reinforce the mounts, maintain the existing 15 antennas, 9 RRHs, 6 Diplexers, and 2 COVPs; 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 Tammy Nuccio, Chair of the Town Council for the Town of Tolland, which is also the underlying property owner, Town's Director of Planning & Development, David Corcoran, and American Tower, the tower owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2). Enclosed to accommodate this filing are construction drawings dated June 29, 2021, a structural analysis dated May 10, 2021 by A.T. Engineering Service, PLLC, and antenna mount analysis dated September 10, 2021, as well as a radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

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

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

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

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

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

6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis by A.T. Engineering Service, PLLC, dated May 10, 2021 and a mount analysis by Maser Consulting Connecticut dated September 10, 2021, pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final construction drawings, signed and stamped dated June 26, 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).

John Coleman

_____

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Attachments

cc: Tammy Nuccio, Chair of the Town Council for the Town of Tolland - as chief elected official & property owner
David Corcoran, Town's Director of Planning & Development - as P&Z official
American Tower Corporation - as tower owner

UPS CampusShip: View/Print Label

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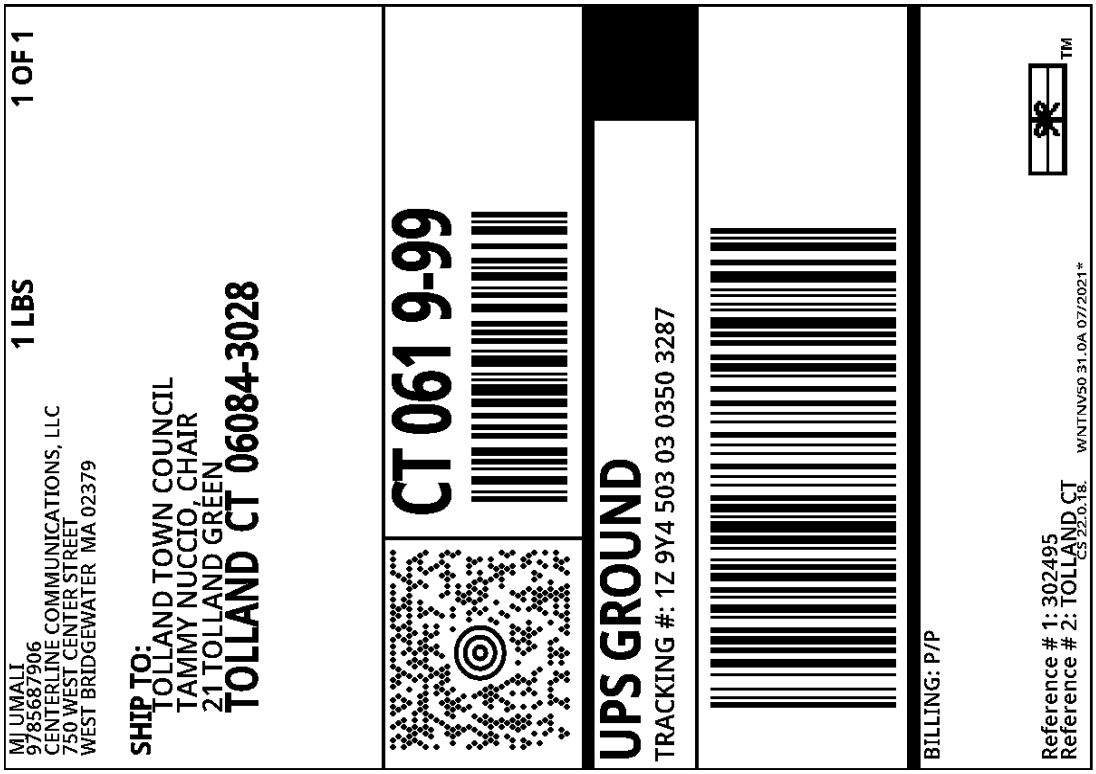

Proof of Delivery

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Tracking Number
1Z9Y45030303503287

Weight
1.00 LBS

Service

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Delivered On

08/02/2021 1:24 P.M.

Delivered To
TOLLAND, CT, US

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Receiver

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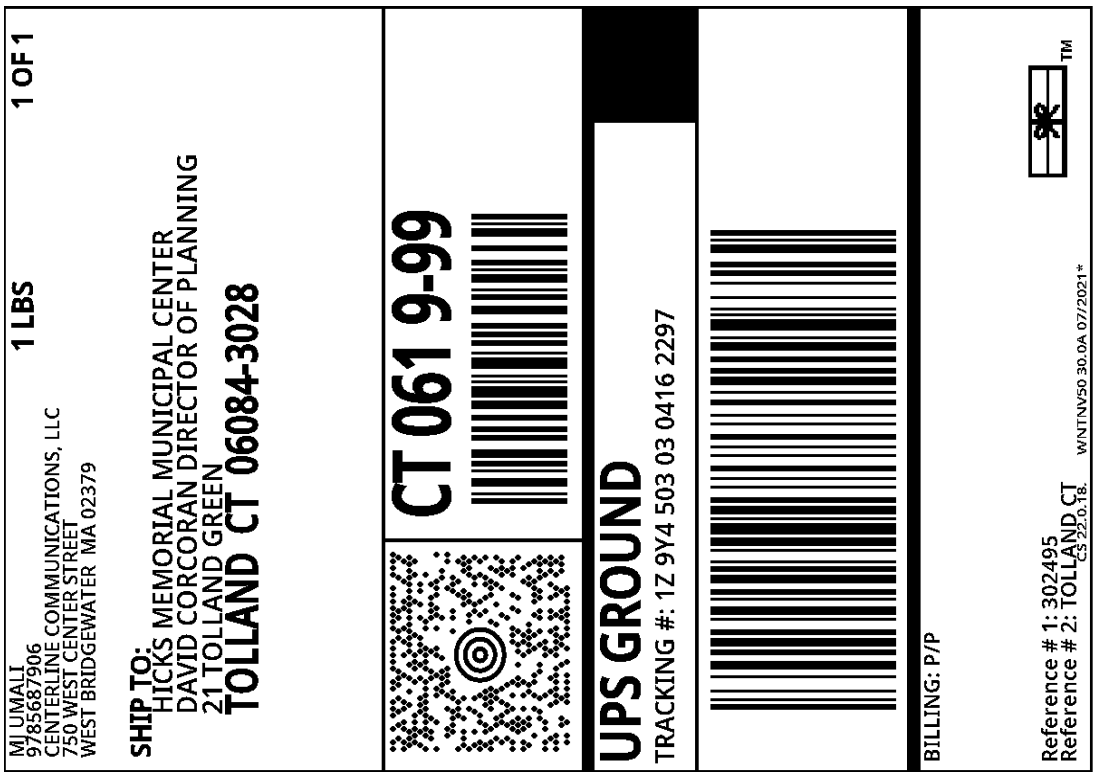

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Service

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Shipped / Billed On
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Delivered On

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Delivered To
TOLLAND, CT, US

Received By

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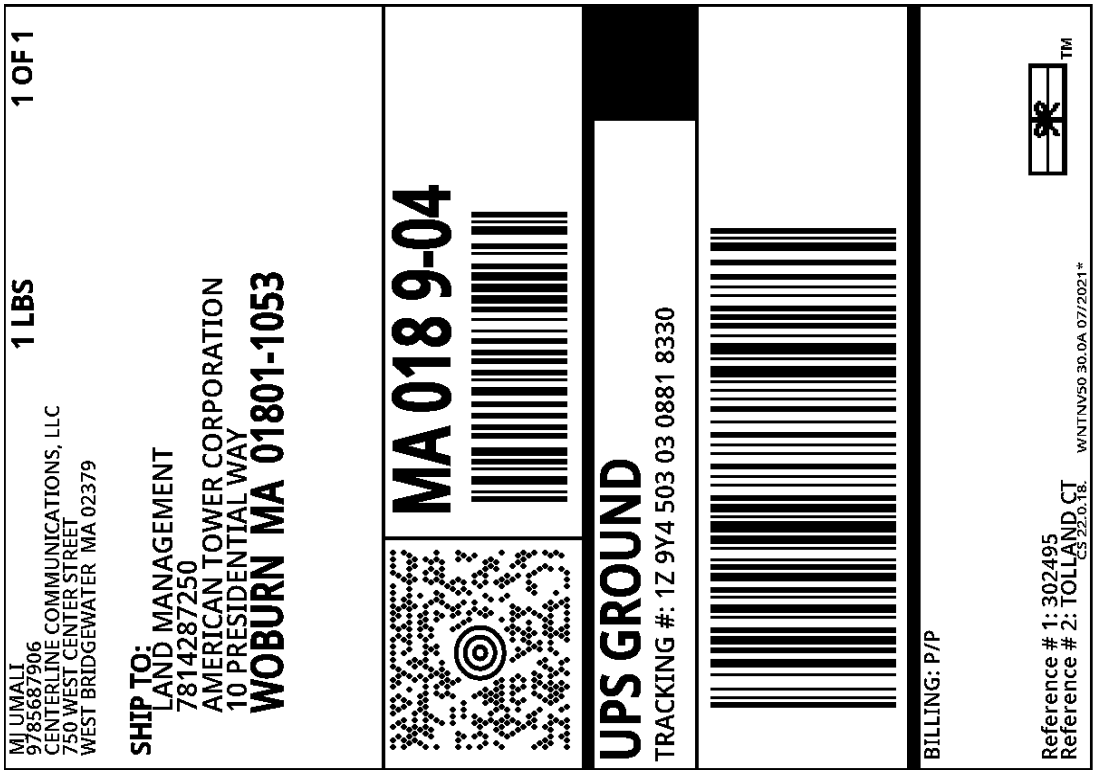

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Weight
1.00 LBS

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UPS Ground

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Delivered On

07/30/2021 11:50 A.M.

Delivered To
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Sincerely,

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DOCKET NO. 100 - An application of SNET Cellular, Inc., for a Certificate of Environmental Compatibility and Public Need for cellular telephone antennas and associated equipment in the Town of Tolland, Connecticut.	:	CONNECTICUT SITING COUNCIL
	:	January 5, 1989

DECISION AND ORDER

Pursuant to the foregoing Opinion, the Connecticut Siting Council finds that the effects associated with the construction and operation of a cellular telephone monopole structure at the proposed Tolland site, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife; are not significant either alone or cumulatively with other effects, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application, and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by Section 16-50k of the General Statutes of Connecticut (CGS), be issued to SNET Cellular, Inc., for the construction, operation, and maintenance of a cellular telephone tower site and associated equipment at the proposed Tolland site in Tolland, Connecticut.

The alternative Tolland site is hereby denied.

The facility shall be constructed, operated, and maintained as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed as a monopole tower no taller than necessary to provide the proposed service, and in no event shall the tower structure exceed a total height of 167 feet, including antennas.

2. The facility shall be constructed in accordance with the State of Connecticut Basic Building Code.

3. Unless necessary to comply with future requirements of the Federal Aviation Administration, no lights shall be installed on this tower.

4. The Certificate Holder shall prepare a development and management (D&M) plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of State Agencies. The D&M plan shall include detailed plans for erosion and sediment control along the access road and at the tower site, plans for permanent evergreen screening along the outside perimeter of the eight-foot fence surrounding the site, and plans for loaming and seeding the site and sides of the access road following completion of construction. The access road shall be constructed in a manner to minimize erosion and tree clearing as much as possible.

5. The Certificate Holder or its successor shall notify the Council if and when directional antennas or any equipment other than that listed in this application are added to this facility.

6. The Certificate Holder or its successor shall permit public or private entities to share space on the tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

7. If this facility does not provide, or permanently ceases to provide, cellular service following the completion of construction, this Decision and Order shall be void, and the tower and all associated equipment in this application shall be dismantled and removed or reapplication for any new use shall be made to the Council and a Certificate granted before such new use is made.

8. The Certificate Holder shall comply with any future radio frequency (RF) standard, promulgated by State or federal regulatory agencies. Upon the establishment of any new governmental RF standards, the facility granted in this Decision and Order shall be brought into compliance with such standards.

9. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the issuance of this Decision and Order, or within three years of the completion of any appeal taken in this Decision and Order.

Pursuant to Section 16-50p, we hereby direct that a copy of the Decision and Order be served on each person listed below. A notice of issuance shall be published in the Manchester Journal Enquirer.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with section 16-50j-17 of the Regulations of State Agencies.

The parties or intervenors to this proceeding are:

	STATUS HOLDER	REPRESENTATIVE
Party | X |	SNET Cellular, Inc. 555 Long Wharf Drive New Haven, CT 06506	SNET Cellular, Inc. c/o Peter J. Tyrrell Senior Attorney 227 Church Street Room 1021 New Haven, CT 06506 (203) 771-7381
Party | |	Metro Mobile CTS of Hartford, Inc.	Jennifer Young Gaudet Byrne, Slater, Sandler Shulman & Rouse, P.C. 330 Main Street P.O. Box 3216 Hartford, CT 06103 (203) 525-4700
Intervenor | X |		

CERTIFICATION

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case in Docket No. 100 or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut the 5th day of January, 1989.

Council Members	Vote Cast
Gloria Dibble Pond Gloria Dibble Pond Chairperson	Yes
Patricia J. Austin Commissioner Peter Boucher Designee: Patricia Austin	Abstain
Brian J. Emerick Commissioner Leslie Carothers Designee: Brian Emerick	Yes
Mortimer A. Gelston Mortimer A. Gelston	Yes
Harry E. Covey Harry E. Covey	Abstain
Daniel P. Lynch Jr. Daniel P. Lynch, Jr.	Yes
Paulann H. Sheets	Absent
William H. Smith William H. Smith	Yes
Colin C. Tait Colin C. Tait	Abstain

AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	**165 ft Monopole**
ATC Site Name	:	**Tolland CT, CT**
ATC Asset Number	:	**302495**
Engineering Number	:	**13668819_C3_01**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**TOLLAND CT**
Carrier Site Number	:	**468468**
Site Location	:	**56 Ruops Road** **Tolland, CT 06084-3116** **41.873300,-72.338300**
County	:	**Tolland**
Date	:	**May 10, 2021**
Max Usage	:	**82%**
Result	:	**Pass**

Prepared By:
Steven Nedrud
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 165 ft monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	EEI Drawing #GS50842 Rev 1, dated June 24, 1998 Mapping by Delta Oaks Group Project #AGI19-04721-03, dated August 1, 2019
Foundation Drawing	EEI Drawing #F3503-150.N, dated March 2, 1998
Geotechnical Report	ASR Project #12-06077, dated December 1, 2006
Modifications	Spectrasite Drawing #CT-0031-M1, dated November 15, 2004

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 = 0.18, 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
162.0	3	EMS RR90-17-02DP	Flush	(6) 1 5/8" Coax	T-MOBILE
155.0	6	Ericsson KRY 112 71/x (12.8"x5.9")	Flush		
149.0	6	Kathrein Scala 782-10250	Triangular Platform with Handrails	(1) 0.39" (10mm) Fiber Trunk (2) 0.78" (19.7mm) 8 AWG 6 (12) 1 1/4" Coax (1) 3" conduit (1) 3/8" (0.38"-9.5mm) RET Control Cable	AT&T MOBILITY
	6	KMW AM-X-CD-16-65-00T-RET			
	1	Raycap DC6-48-60-18-8F ("Squid")			
	3	Ericsson RRUS 11 (Band 12)			
	3	Ericsson RRUS-12 800 MHz			
	3	Powerwave Allgon 7770.00			
	3	Powerwave Allgon 7020.00 Dual Band RET			
	1	Andrew ABT-DMDF-ADBH			
	6	CCI DTMABP7819VG12A			
140.0	3	Samsung Outdoor CBRS 20W RRH	Triangular Platform with Handrails	(14) 1 5/8" Coax (2) 1 5/8" Hybriflex	VERIZON WIRELESS
	6	RFS FDJ85020D7-S			
	3	Samsung B5/B13 RRH-BR04C			
	6	Commscope JAHH-65B-R3B			
	2	RFS DB-T1-6Z-8AB-0Z			
	3	Samsung CBRS 64T64R MMU			
	6	Swedcom SC 9012			
	3	Samsung B2/B66A RRH-BR049			
133.0	3	RFS APXVTM14-ALU-I20	Triangular Platform with Handrails	(4) 1 1/4" Hybriflex Cable (6) 1 5/8" Coax	SPRINT NEXTEL
	6	Alcatel-Lucent 800 MHz 2X50W RRH w/ Filter			
	3	Alcatel-Lucent 1900 MHz 4X45 RRH			
	3	Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield			
	3	Commscope NNVV-65B-R4			
107.0	3	Commscope LNX-6515DS-VTM	Flush	-	T-MOBILE
105.0	3	Kathrein Scala Smart Bias Tee			
81.0	1	Generic GPS	Flush	(1) 1/2" Coax	
50.0	1	Generic 2" x 4" GPS	Flush	-	SPRINT NEXTEL

Equipment to be Removed

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

Proposed Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
140.0	3	Samsung MT6407-77A	Triangular Platform with Handrails	-	VERIZON WIRELESS

[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	82%	Pass
Shaft	80%	Pass
Base Plate	45%	Pass
Flange	11%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	3,674.7	80%
Axial (Kips)	53.6	3%
Shear (Kips)	34.9	46%

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) (°)
140.0	Samsung MT6407-77A	VERIZON WIRELESS	2.096	1.682

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

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.

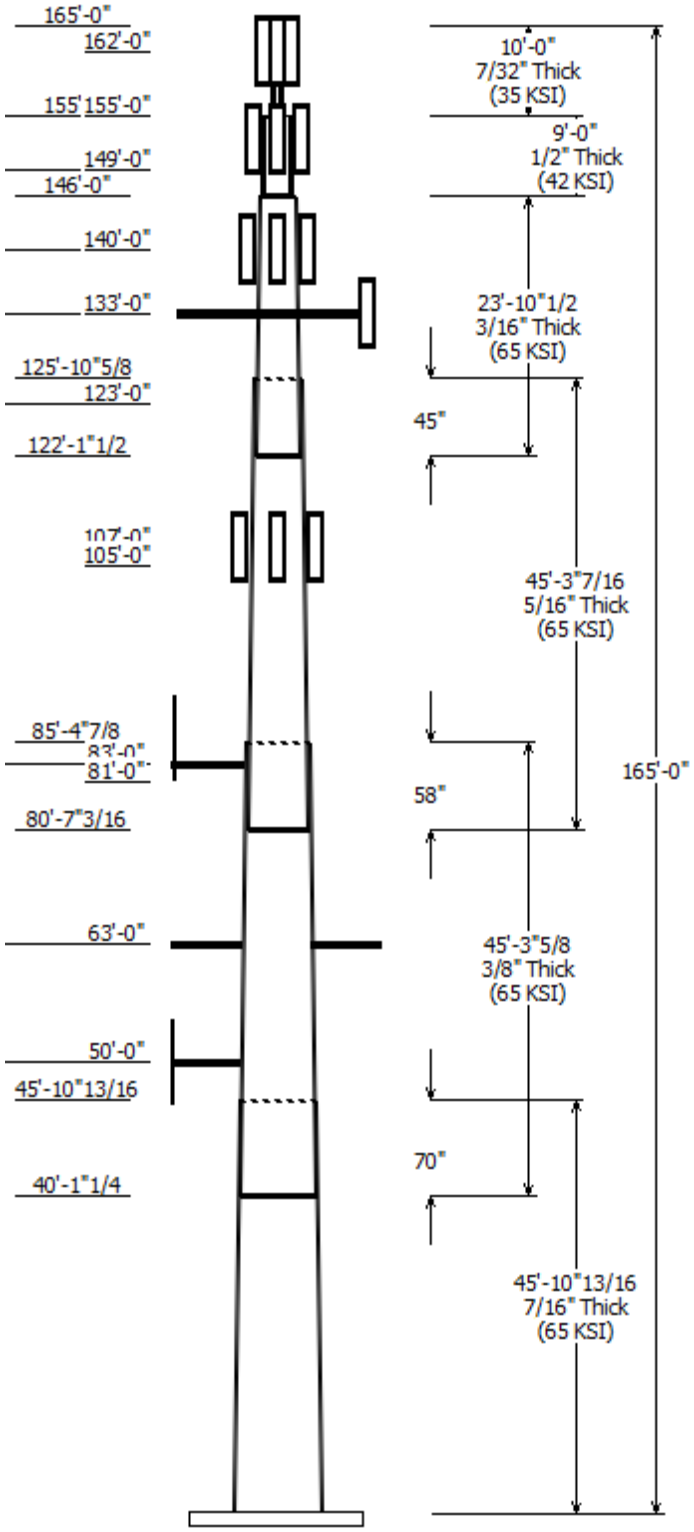
All assets of American Tower Corporation, its affiliates and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with 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 : 302495 Code: ANSI/TIA-222-H
Location : Tolland CT, CT
Description : EEI 155' Monopole - Model verified 4/25/12 Risk Category : II
Shape : 12 Sides Exposure : B
Height : 165.00 (ft) Topo Method : Method 1
Base Elev (ft): 0.00 Topographic Category : 1
Taper: 0.210616 (in/ft)

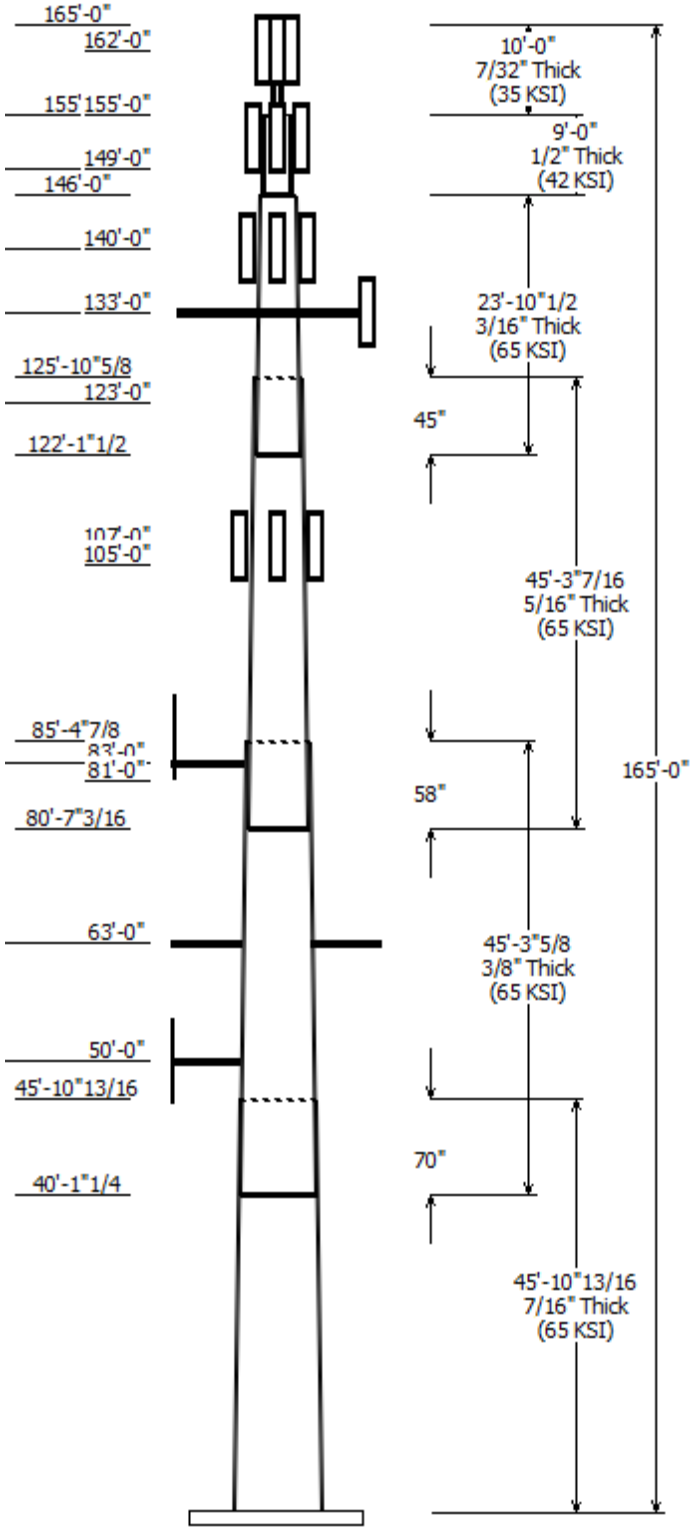


Sections Properties

Shaft Section	Length (ft)	Diameter (in) Across Flats Top	Bottom	Thick (in)	Joint Type	Overlap Length (in)	Steel Grade Shape	(ksi)
1	45.898	40.33	50.00	0.438		0.000	12 Sides	65
2	45.302	32.76	42.30	0.375	Slip Joint	69.531	12 Sides	65
3	45.286	24.86	34.40	0.313	Slip Joint	57.688	12 Sides	65
4	23.878	21.00	26.02	0.188	Slip Joint	45.156	12 Sides	65
5	9.000	16.00	16.00	0.500	Butt Joint	0.000	Round	42
6	10.000	3.500	3.500	0.218	Butt Joint	0.000	Round	35

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
162.000	162.000	3	EMS RR90-17-02DP
155.000	155.000	1	Canister
155.000	157.000	6	Ericsson KRY 112 71/x (12.8"x5
149.000	149.000	1	Generic Flat Platform with Han
149.000	151.000	6	KMW AM-X-CD-16-65-00T-RET
149.000	151.000	3	Powerwave Allgon 7770.00
149.000	151.000	3	Ericsson RRUS-12 800 MHz
149.000	151.000	3	Ericsson RRUS 11 (Band 12)
149.000	151.000	1	Raycap DC6-48-60-18-8F
149.000	151.000	6	CCI DTMABP7819VG12A
149.000	151.000	6	Kathrein Scala 782-10250
149.000	149.000	1	Andrew ABT-DMDF-ADBH
149.000	151.000	3	Powerwave Allgon 7020.00
140.000	140.000	1	Generic Flat Platform with Han
140.000	140.000	6	Commscope JAHH-65B-R3B
140.000	140.000	2	RFS DB-T1-6Z-8AB-0Z
140.000	140.000	3	Samsung MT6407-77A
140.000	140.000	3	Samsung CBRS 64T64R MMU
140.000	140.000	6	Swedcom SC 9012
140.000	140.000	3	Samsung B2/B66A RRH-BR049
140.000	140.000	3	Samsung B5/B13 RRH-BR04C
140.000	140.000	3	Samsung Outdoor CBRS 20W
140.000	140.000	6	RFS FDJ85020D7-S
133.000	133.000	1	Modified Platform w/ Handrails
133.000	133.000	3	Commscope NNVV-65B-R4
133.000	133.000	3	RFS APXVTM14-ALU-I20
133.000	133.000	3	Alcatel-Lucent 1900 MHz 4X45
133.000	133.000	3	Alcatel-Lucent TD-RRH8x20-25
133.000	133.000	6	Alcatel-Lucent 800 MHz 2X50W
123.000	123.000	1	Generic Flat Platform with Han
107.000	107.000	3	Commscope LNX-6515DS-VTM
105.000	105.000	3	Kathrein Scala Smart Bias Tee
83.000	83.000	1	Stand-Off
81.000	83.000	1	Generic GPS
63.000	63.000	2	Stand-Off
50.000	50.000	1	Stand-Off
50.000	50.000	1	Generic 2" x 4" GPS



Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
120.0	149.0	Climbing Ladder	Yes
0.000	162.0	1 5/8" Coax	No
0.000	81.000	1/2" Coax	No
0.000	133.0	1 1/4" Hybriflex	No
0.000	133.0	1 5/8" Coax	No
0.000	140.0	1 5/8" Coax	Yes
0.000	140.0	1 5/8" Hybriflex	Yes
0.000	149.0	0.39" (10mm)	No
0.000	149.0	0.78" (19.7mm) 8	No
0.000	149.0	1 1/4" Coax	No
0.000	149.0	1 1/4" Coax	Yes
0.000	149.0	3" conduit	No
0.000	149.0	3/8" (0.38"-	No

Load Cases

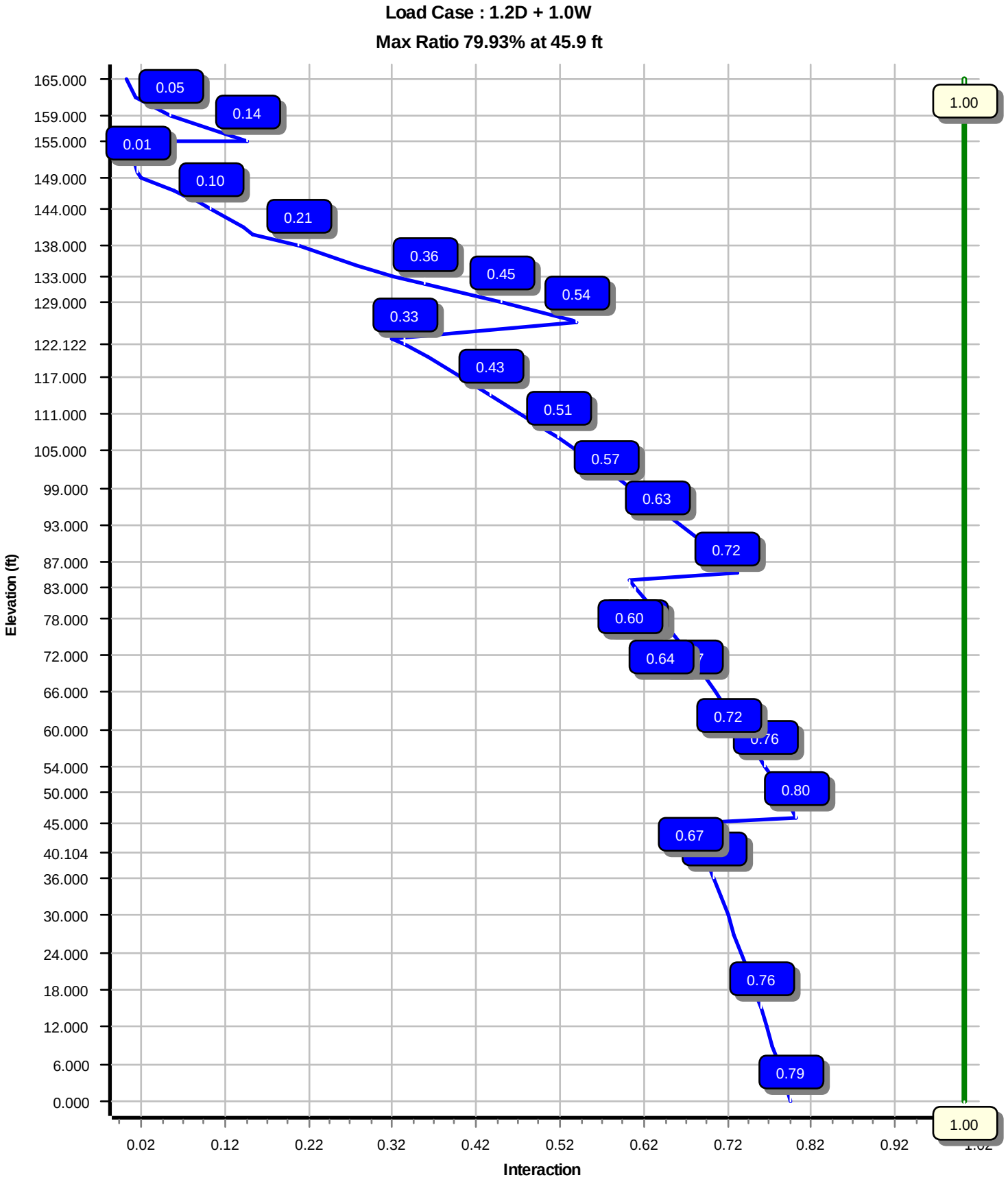
1.2D + 1.0W	118 mph with No Ice
0.9D + 1.0W	118 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.50 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	3674.70	34.86	53.56
0.9D + 1.0W	3607.54	34.85	40.16
1.2D + 1.0Di + 1.0Wi	933.64	7.80	85.85
1.2D + 1.0Ev + 1.0Eh	182.67	1.34	54.29
0.9D - 1.0Ev + 1.0Eh	178.16	1.34	37.76
1.0D + 1.0W	841.44	8.06	44.67

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 79.93% at 45.9 ft
Elevation (ft)
165.000
159.000
155.000
149.000
144.000
138.000
133.000
129.000
122.122
117.000
111.000
105.000
99.000
93.000
87.000
83.000
78.000
72.000
66.000
60.000
54.000
50.000
45.000
40.104
36.000
30.000
24.000
18.000
12.000
6.000
0.000
0.05
0.14
0.01
0.10
0.21
0.36
0.45
0.54
0.33
0.43
0.51
0.57
0.63
0.72
0.60
0.64
0.72
0.76
0.80
0.67
0.76
0.79
1.00
1.00
0.02
0.12
0.22
0.32
0.42
0.52
0.62
0.72
0.82
0.92
Interaction

Site Number: 302495 Code: ANSI/TIA-222-H

Site Name: Tolland CT, CT Engineering Number:13668819_C3_01 5/10/2021 8:05:58 PM

Customer: VERIZON WIRELESS

Analysis Parameters

Location :	Tolland County, CT	Height (ft) :	165
Code :	ANSI/TIA-222-H	Base Diameter (in) :	50.00
Shape :	12 Sides. Sect 5: Round. Sect 6: Round	Top Diameter (in) :	3.50
Pole Type :	Custom	Taper (in/ft) :	0.211
Pole Manfacturer :	EEI	Rotation (deg) :	0.00
Kd (non-service) :	0.95	Ke :	0.98

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:	689.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil				
Period Based on Rayleigh Method (sec):	3.08				
T_L (sec):	6	p:	1	C_s:	0.030
S_s:	0.181	S_1:	0.055	C_s Max:	0.030
F_a:	1.600	F_v:	2.400	C_s Min:	0.030
S_{ds}:	0.193	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

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	45.898	0.4375	65		0.00	9,841	50.00	0.00	69.82	21891.7	27.94	114.29	40.33	45.90	56.20	11418.1	22.02	92.19	0.210616
2-12	45.302	0.3750	65	Slip	69.53	6,917	42.30	40.10	50.63	11360.5	27.55	112.81	32.76	85.41	39.11	5235.8	20.73	87.37	0.210616
3-12	45.286	0.3125	65	Slip	57.69	4,546	34.40	80.60	34.30	5087.0	26.82	110.08	24.86	125.89	24.70	1900.2	18.64	79.56	0.210616
4-12	23.878	0.1875	65	Slip	45.16	1,144	26.02	122.12	15.60	1329.8	34.52	138.82	21.00	146.00	12.57	694.7	27.33	112.00	0.210616
5-R	9.000	0.5000	42	Butt	0.00	746	16.00	146.00	24.35	731.7	0.00	32.00	16.00	155.00	24.35	731.7	0.00	32.00	0.000000
6-R	10.000	0.2180	35	Butt	0.00	76	3.500	155.00	2.25	3.0	0.00	16.06	3.500	165.00	2.25	3.0	0.00	16.06	0.000000
				Shaft Weight		23,270													

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
162.00	EMS RR90-17-02DP	3	1.00	0.000	13.50	4.356	0.01	113.07	5.353	0.01
155.00	Ericsson KRY 112 71/x	6	1.00	2.000	13.20	0.629	0.01	31.85	1.203	0.01
155.00	Canister	1	1.00	0.000	500.00	9.800	1.00	798.17	12.331	1.00
149.00	Andrew ABT-DMDF-ADBH	1	0.75	0.000	1.10	0.045	1.00	3.33	0.218	1.00
149.00	Powerwave Allgon 7020.00 Dual	3	0.75	2.000	2.20	0.339	0.50	12.42	0.749	0.50
149.00	Kathrein Scala 782-10250	6	0.75	2.000	6.40	0.449	0.50	19.17	0.940	0.50
149.00	CCI DTMABP7819VG12A	6	0.75	2.000	19.20	0.972	0.50	44.69	1.627	0.50
149.00	Raycap DC6-48-60-18-8F	1	0.75	2.000	31.80	1.470	1.00	93.54	2.169	1.00
149.00	Ericsson RRUS 11 (Band 12)	3	0.75	2.000	50.00	2.566	0.67	118.22	3.614	0.67
149.00	Ericsson RRUS-12 800 MHz	3	0.75	2.000	60.00	2.700	0.67	134.20	3.775	0.67
149.00	Powerwave Allgon 7770.00	3	0.75	2.000	35.00	5.508	0.65	169.95	6.564	0.65
149.00	KMW AM-X-CD-16-65-00T-RET	6	0.75	2.000	48.50	8.024	0.67	210.56	10.815	0.67
149.00	Generic Flat Platform with	1	1.00	0.000	2,500.00	42.400	1.00	4,277.73	63.387	1.00
140.00	RFS FDJ85020D7-S	6	0.75	0.000	11.70	0.425	0.50	29.79	0.867	0.50
140.00	Samsung Outdoor CBRS 20W	3	0.75	0.000	18.60	0.857	0.50	42.46	1.480	0.50
140.00	Samsung B5/B13 RRH-BR04C	3	0.75	0.000	70.30	1.875	0.50	127.19	2.773	0.50
140.00	Samsung B2/B66A RRH-BR049	3	0.75	0.000	84.40	1.875	0.50	147.84	2.773	0.50
140.00	Swedcom SC 9012	6	0.75	0.000	10.00	3.172	0.73	109.54	3.469	0.73
140.00	Samsung CBRS 64T64R MMU	3	0.75	0.000	75.00	4.496	0.58	167.59	5.895	0.58
140.00	Samsung MT6407-77A	3	0.75	0.000	81.60	4.709	0.61	182.96	6.219	0.61
140.00	RFS DB-T1-6Z-8AB-0Z	2	0.75	0.000	44.00	4.800	0.72	169.16	6.213	0.72
140.00	Commscope JAHH-65B-R3B	6	0.75	0.000	60.60	9.113	0.69	261.78	11.872	0.69
140.00	Generic Flat Platform with	1	1.00	0.000	2,500.00	42.400	1.00	4,266.61	63.256	1.00
133.00	Alcatel-Lucent 800 MHz 2X50W	6	0.75	0.000	64.00	2.058	0.67	140.25	3.006	0.67
133.00	Alcatel-Lucent 1900 MHz 4X45	3	0.75	0.000	60.00	2.322	0.67	139.76	3.391	0.67
133.00	Alcatel-Lucent TD-RRH8x20-25	3	0.75	0.000	70.00	4.046	0.61	163.53	5.360	0.61
133.00	RFS APXVTM14-ALU-I20	3	0.75	0.000	56.20	6.342	0.66	192.48	8.498	0.66
133.00	Commscope NNVV-65B-R4	3	0.75	0.000	77.40	12.271	0.64	326.08	15.046	0.64
133.00	Modified Platform w/ Handrails	1	1.00	0.000	2,500.00	47.400	1.00	4,258.17	70.604	1.00
123.00	Generic Flat Platform with	1	1.00	0.000	2,500.00	42.400	1.00	4,244.52	62.995	1.00
107.00	Commscope LNX-6515DS-VTM	3	1.00	0.000	50.30	11.440	0.70	272.34	14.572	0.70
105.00	Kathrein Scala Smart Bias Tee	3	1.00	0.000	3.30	0.080	0.50	6.48	0.281	0.50
83.00	Stand-Off	1	1.00	0.000	75.00	2.500	1.00	124.29	4.143	1.00
81.00	Generic GPS	1	1.00	2.000	10.00	0.900	1.00	37.56	1.502	1.00
63.00	Stand-Off	2	0.90	0.000	75.00	2.500	0.90	122.89	4.096	0.90
50.00	Generic 2" x 4" GPS	1	1.00	0.000	5.00	0.040	1.00	7.30	0.149	1.00
50.00	Stand-Off	1	1.00	0.000	75.00	2.500	1.00	121.81	4.060	1.00
Totals	Num Loadings:37	111			14,760.90			30,852.67		

Linear Appurtenance Properties

Load Case Azimuth (deg) : 0

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax / Row	Dist Between Rows (in)	Dist Between Cols (in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	162.00	6	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	149.00	1	0.39" (10mm) Fiber	0.39	0.06	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	149.00	2	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	149.00	9	1 1/4" Coax	1.55	0.63	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	149.00	3	1 1/4" Coax	1.55	0.63	N	3	0.50	0.50	180	0.50	Y	AT&T MOBILITY
0.00	149.00	1	3" conduit	3.50	7.58	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	149.00	1	3/8" (0.38"- 9.5mm)	0.38	0.23	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
120.00	149.00	1	Climbing Ladder	2.00	6.90	Y	1	0.50	0.50	90	0.50	Y	
0.00	140.00	14	1 5/8" Coax	1.98	0.82	N	3	0.50	0.50	270	0.50	Y	VERIZON WIRELESS
0.00	140.00	2	1 5/8" Hybriflex	1.98	1.30	N	2	0.50	0.50	285	0.50	Y	VERIZON WIRELESS
0.00	133.00	4	1 1/4" Hybriflex Cable	1.54	1.00	N	0	0.00	0.00	0	0.00	N	SPRINT NEXTEL
0.00	133.00	6	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	SPRINT NEXTEL
0.00	81.00	1	1/2" Coax	0.63	0.15	N	0	0.00	0.00	0	0.00	N	T-MOBILE

Segment Properties (Max Len : 3. ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)
0.00		0.4375	50.000	69.821	21,891.7	27.94	114.29	74.2	845.8	0.0	0.0
3.00		0.4375	49.368	68.931	21,065.1	27.56	112.84	74.7	824.3	0.0	708.2
6.00		0.4375	48.736	68.041	20,259.5	27.17	111.40	75.1	803.1	0.0	699.1
9.00		0.4375	48.104	67.151	19,474.8	26.78	109.95	75.5	782.1	0.0	690.0
12.00		0.4375	47.473	66.261	18,710.5	26.40	108.51	75.9	761.4	0.0	681.0
15.00		0.4375	46.841	65.371	17,966.6	26.01	107.06	76.3	741.0	0.0	671.9
18.00		0.4375	46.209	64.480	17,242.6	25.62	105.62	76.8	720.9	0.0	662.8
21.00		0.4375	45.577	63.590	16,538.3	25.23	104.18	77.2	701.0	0.0	653.7
24.00		0.4375	44.945	62.700	15,853.5	24.85	102.73	77.6	681.4	0.0	644.6
27.00		0.4375	44.313	61.810	15,187.9	24.46	101.29	78.0	662.1	0.0	635.5
30.00		0.4375	43.682	60.920	14,541.1	24.07	99.84	78.5	643.1	0.0	626.4
33.00		0.4375	43.050	60.030	13,913.0	23.69	98.40	78.9	624.3	0.0	617.3
36.00		0.4375	42.418	59.140	13,303.2	23.30	96.95	79.3	605.9	0.0	608.3
39.00		0.4375	41.786	58.250	12,711.5	22.91	95.51	79.7	587.7	0.0	599.2
40.10	Bot - Section 2	0.4375	41.553	57.922	12,498.3	22.77	94.98	79.9	581.1	0.0	218.2
42.00		0.4375	41.154	57.360	12,137.7	22.53	94.07	80.1	569.8	0.0	696.9
45.00		0.4375	40.522	56.469	11,581.3	22.14	92.62	80.6	552.1	0.0	1,089.0
45.90	Top - Section 1	0.3750	41.083	49.155	10,397.1	26.68	109.55	75.6	488.9	0.0	322.9
48.00		0.3750	40.640	48.620	10,061.7	26.36	108.37	76.0	478.3	0.0	349.6
50.00		0.3750	40.219	48.112	9,749.2	26.06	107.25	76.3	468.3	0.0	329.2
51.00		0.3750	40.009	47.858	9,595.4	25.91	106.69	76.5	463.3	0.0	163.3
54.00		0.3750	39.377	47.095	9,143.7	25.46	105.00	77.0	448.6	0.0	484.7
57.00		0.3750	38.745	46.332	8,706.5	25.00	103.32	77.4	434.1	0.0	476.9
60.00		0.3750	38.113	45.569	8,283.4	24.55	101.63	77.9	419.9	0.0	469.1
63.00		0.3750	37.481	44.806	7,874.3	24.10	99.95	78.4	405.9	0.0	461.3
66.00		0.3750	36.849	44.043	7,478.8	23.65	98.26	78.9	392.1	0.0	453.5
69.00		0.3750	36.217	43.280	7,096.9	23.20	96.58	79.4	378.5	0.0	445.7
72.00		0.3750	35.586	42.517	6,728.1	22.75	94.89	79.9	365.3	0.0	437.9
75.00		0.3750	34.954	41.754	6,372.4	22.30	93.21	80.4	352.2	0.0	430.1
78.00		0.3750	34.322	40.991	6,029.4	21.84	91.53	80.9	339.4	0.0	422.3
80.60	Bot - Section 3	0.3750	33.775	40.330	5,742.4	21.45	90.07	81.3	328.5	0.0	359.6
81.00		0.3750	33.690	40.228	5,699.0	21.39	89.84	81.4	326.8	0.0	101.7
83.00		0.3750	33.269	39.719	5,485.5	21.09	88.72	81.7	318.5	0.0	503.5
84.00		0.3750	33.058	39.465	5,380.8	20.94	88.16	81.9	314.4	0.0	249.3
85.41	Top - Section 2	0.3125	33.387	33.281	4,647.0	25.95	106.84	76.4	268.9	0.0	348.0
87.00		0.3125	33.051	32.943	4,507.0	25.66	105.76	76.7	263.4	0.0	179.6
90.00		0.3125	32.420	32.308	4,251.0	25.12	103.74	77.3	253.3	0.0	333.1
93.00		0.3125	31.788	31.672	4,004.9	24.58	101.72	77.9	243.4	0.0	326.6
96.00		0.3125	31.156	31.036	3,768.6	24.03	99.70	78.5	233.7	0.0	320.1
99.00		0.3125	30.524	30.400	3,541.7	23.49	97.68	79.1	224.2	0.0	313.6
102.0		0.3125	29.892	29.765	3,324.1	22.95	95.65	79.7	214.8	0.0	307.1
105.0		0.3125	29.260	29.129	3,115.6	22.41	93.63	80.3	205.7	0.0	300.6
107.0		0.3125	28.839	28.705	2,981.5	22.05	92.28	80.7	199.7	0.0	196.8
108.0		0.3125	28.628	28.493	2,916.0	21.87	91.61	80.9	196.8	0.0	97.3
111.0		0.3125	27.997	27.857	2,725.1	21.33	89.59	81.5	188.0	0.0	287.6
114.0		0.3125	27.365	27.221	2,542.7	20.78	87.57	81.9	179.5	0.0	281.1
117.0		0.3125	26.733	26.586	2,368.7	20.24	85.55	81.9	171.2	0.0	274.6
120.0		0.3125	26.101	25.950	2,202.8	19.70	83.52	81.9	163.0	0.0	268.1
122.1	Bot - Section 4	0.3125	25.654	25.500	2,090.2	19.32	82.09	81.9	157.4	0.0	185.8
123.0		0.3125	25.469	25.314	2,044.8	19.16	81.50	81.9	155.1	0.0	122.3
125.8	Top - Section 3	0.1875	25.236	15.123	1,211.2	33.38	134.59	68.3	92.7	0.0	395.8
126.0		0.1875	25.212	15.109	1,207.7	33.35	134.47	68.3	92.5	0.0	5.9
129.0		0.1875	24.580	14.727	1,118.5	32.45	131.10	69.3	87.9	0.0	152.3
132.0		0.1875	23.949	14.346	1,033.8	31.54	127.73	70.3	83.4	0.0	148.4
133.0		0.1875	23.738	14.219	1,006.6	31.24	126.60	70.6	81.9	0.0	48.6
135.0		0.1875	23.317	13.964	953.5	30.64	124.36	71.3	79.0	0.0	95.9
138.0		0.1875	22.685	13.583	877.5	29.74	120.99	72.3	74.7	0.0	140.6
140.0		0.1875	22.264	13.329	829.1	29.14	118.74	72.9	71.9	0.0	91.6

141.0		0.1875	22.053	13.201	805.6	28.84	117.62	73.3	70.6	0.0	45.1
144.0		0.1875	21.421	12.820	737.8	27.93	114.25	74.2	66.5	0.0	132.8
146.0	Top - Section 4	0.1875	21.000	12.566	694.7	27.33	112.00	74.9	63.9	0.0	86.4
146.0	Bot - Section 5	0.5000	16.000	24.347	731.7	0.00	32.00	42.0	91.5	120.2	
147.0		0.5000	16.000	24.347	731.7	0.00	32.00	42.0	91.5	120.2	82.8
149.0		0.5000	16.000	24.347	731.7	0.00	32.00	42.0	91.5	120.2	165.7
150.0		0.5000	16.000	24.347	731.7	0.00	32.00	42.0	91.5	120.2	82.8
153.0		0.5000	16.000	24.347	731.7	0.00	32.00	42.0	91.5	120.2	248.5
155.0	Top - Section 5	0.5000	16.000	24.347	731.7	0.00	32.00	42.0	91.5	120.2	165.7
155.0	Bot - Section 6	0.2180	3.500	2.248	3.0	0.00	16.06	35.0	1.7	2.4	
156.0		0.2180	3.500	2.248	3.0	0.00	16.06	35.0	1.7	2.4	7.6
159.0		0.2180	3.500	2.248	3.0	0.00	16.06	35.0	1.7	2.4	22.9
162.0		0.2180	3.500	2.248	3.0	0.00	16.06	35.0	1.7	2.4	22.9
165.0		0.2180	3.500	2.248	3.0	0.00	16.06	35.0	1.7	2.4	22.9
											23,270.4

Site Number: 302495 Code: ANSI/TIA-222-H

Site Name: Tolland CT, CT Engineering Number:13668819_C3_01 5/10/2021 8:05:59 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W 118 mph with No Ice 30 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		226.6	0.0					0.0	0.0	226.6	0.0	0.0	0.0
3.00		452.9	849.9					2.5	160.8	455.4	1,010.7	0.0	0.0
6.00		452.1	839.0					2.5	160.8	454.7	999.8	0.0	0.0
9.00		450.9	828.0					2.5	160.8	453.4	988.9	0.0	0.0
12.00		446.7	817.1					2.6	160.8	449.3	978.0	0.0	0.0
15.00		440.2	806.2					2.9	160.8	443.0	967.1	0.0	0.0
18.00		433.7	795.3					3.1	160.8	436.8	956.2	0.0	0.0
21.00		427.2	784.4					3.4	160.8	430.6	945.3	0.0	0.0
24.00		420.6	773.5					3.7	160.8	424.3	934.4	0.0	0.0
27.00		414.1	762.6					3.9	160.8	418.1	923.5	0.0	0.0
30.00		410.7	751.7					4.2	160.8	414.9	912.6	0.0	0.0
33.00		412.5	740.8					4.5	160.8	417.0	901.7	0.0	0.0
36.00		416.0	729.9					4.9	160.8	420.9	890.8	0.0	0.0
39.00		285.9	719.0					5.3	160.8	291.2	879.9	0.0	0.0
40.10	Bot - Section 2	212.3	261.9					2.0	59.2	214.3	321.1	0.0	0.0
42.00		349.6	836.3					3.6	101.6	353.2	937.9	0.0	0.0
45.00		278.8	1,306.8					6.0	160.8	284.8	1,467.7	0.0	0.0
45.90	Top - Section 1	215.2	387.4					1.9	48.2	217.1	435.6	0.0	0.0
48.00		294.5	419.5					4.3	112.7	298.9	532.2	0.0	0.0
50.00	Appurtenance(s)	215.5	395.0	74.8	0.0	0.0	96.0	4.3	107.2	294.6	598.2	0.0	0.0
51.00		287.2	195.9					2.2	53.6	289.4	249.6	0.0	0.0
54.00		430.3	581.6					6.9	160.8	437.2	742.4	0.0	0.0
57.00		427.3	572.2					7.2	160.8	434.6	733.1	0.0	0.0
60.00		426.0	562.9					7.6	160.8	433.6	723.7	0.0	0.0
63.00	Appurtenance(s)	429.6	553.5	127.4	0.0	0.0	180.0	7.7	160.8	564.8	894.4	0.0	0.0
66.00		434.5	544.2					7.8	160.8	442.3	705.0	0.0	0.0
69.00		439.0	534.9					7.9	160.8	446.9	695.7	0.0	0.0
72.00		439.6	525.5					8.1	160.8	447.7	686.4	0.0	0.0
75.00		436.3	516.2					8.6	160.8	444.9	677.0	0.0	0.0
78.00		404.0	506.8					9.0	160.8	413.0	667.7	0.0	0.0
80.60	Bot - Section 3	215.9	431.5					8.2	139.3	224.1	570.9	0.0	0.0
81.00	Appurtenance(s)	174.3	122.1	30.6	0.0	61.3	12.0	1.3	21.5	206.3	155.6	0.0	0.0
83.00	Appurtenance(s)	217.3	604.1	85.1	0.0	0.0	90.0	6.6	106.9	309.0	801.0	0.0	0.0
84.00		173.4	299.2					3.4	53.4	176.7	352.7	0.0	0.0
85.41	Top - Section 2	215.4	417.6					4.8	75.1	220.2	492.7	0.0	0.0
87.00		327.4	215.5					5.4	85.2	332.8	300.7	0.0	0.0
90.00		424.0	399.7					10.5	160.3	434.5	560.0	0.0	0.0
93.00		419.0	391.9					11.0	160.3	430.0	552.2	0.0	0.0
96.00		413.8	384.1					11.4	160.3	425.3	544.4	0.0	0.0
99.00		408.4	376.3					11.9	160.3	420.3	536.6	0.0	0.0
102.00		402.8	368.5					12.3	160.3	415.1	528.8	0.0	0.0
105.00	Appurtenance(s)	331.6	360.7	4.4	0.0	0.0	11.9	12.8	160.3	348.7	532.9	0.0	0.0
107.00	Appurtenance(s)	196.9	236.2	879.4	0.0	0.0	181.1	8.8	106.9	1,085.1	524.1	0.0	0.0
108.00		259.2	116.8					4.5	53.4	263.6	170.2	0.0	0.0
111.00		384.5	345.1					13.7	160.3	398.2	505.5	0.0	0.0
114.00		378.1	337.4					14.1	160.3	392.2	497.7	0.0	0.0
117.00		367.5	329.6					14.5	160.3	382.0	489.9	0.0	0.0
120.00		287.9	321.8					14.9	160.3	302.8	482.1	0.0	0.0

Load Case: 1.2D + 1.0W 118 mph with No Ice 30 Iterations

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

122.12	Bot - Section 4	152.6	222.9					64.1	131.0	216.8	353.9	0.0	0.0
123.00	Appurtenance(s)	190.6	146.8	1,615.1	0.0	0.0	3,000.0	26.6	54.2	1,832.4	3,200.9	0.0	0.0
125.89	Top - Section 3	151.5	475.0					87.9	178.1	239.5	653.1	0.0	0.0
126.00		154.5	7.1					3.5	7.1	158.0	14.1	0.0	0.0
129.00		294.8	182.7					92.1	185.1	386.9	367.9	0.0	0.0
132.00		194.0	178.1					92.7	185.1	286.7	363.2	0.0	0.0
133.00	Appurtenance(s)	143.1	58.3	3,495.8	0.0	0.0	4,409.8	31.1	61.7	3,670.0	4,529.8	0.0	0.0
135.00		235.2	115.1					62.3	102.0	297.6	217.1	0.0	0.0
138.00		231.9	168.7					94.0	153.0	326.0	321.8	0.0	0.0
140.00	Appurtenance(s)	127.7	109.9	4,141.3	0.0	0.0	4,885.8	63.0	102.0	4,332.0	5,097.7	0.0	0.0
141.00		142.1	54.2					0.0	34.1	142.1	88.3	0.0	0.0
144.00		175.6	159.4					0.0	102.3	175.6	261.7	0.0	0.0
146.00	Top - Section 4	87.9	103.7					0.0	68.2	87.9	171.9	0.0	0.0
147.00		55.6	99.4					0.0	34.1	55.6	133.5	0.0	0.0
149.00	Appurtenance(s)	53.2	198.8	3,519.7	0.0	3,624.5	4,102.9	0.0	68.2	3,572.9	4,370.0	0.0	0.0
150.00		64.6	99.4					0.0	5.9	64.6	105.3	0.0	0.0
153.00		81.0	298.3					0.0	17.7	81.0	316.0	0.0	0.0
155.00	Top - Section 5	39.6	198.8	400.3	0.0	3.1	695.0	0.0	11.8	440.0	905.7	0.0	0.0
156.00		28.6	9.2					0.0	5.9	28.6	15.1	0.0	0.0
159.00		43.0	27.5					0.0	17.7	43.0	45.2	0.0	0.0
162.00	Appurtenance(s)	41.5	27.5	5.4	0.0	0.0	48.6	0.0	17.7	46.8	93.8	0.0	0.0
165.00		19.9	27.5					0.0	0.0	19.9	27.5	0.0	0.0
								Totals:		35,024.3	53,607.7	0.00	0.00

Site Number: 302495 Code: ANSI/TIA-222-H

Site Name: Tolland CT, CT Engineering Number:13668819_C3_01 5/10/2021 8:06:04 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W 118 mph with No Ice 30 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	-53.56	-34.86	0.00	-3,674.70	0.00	3,674.70	4,665.07	1,225.36	5,729.16	4,709.48	0.00	0.00	0.793
3.00	-52.47	-34.54	0.00	-3,570.11	0.00	3,570.11	4,631.78	1,209.74	5,584.06	4,615.74	0.05	-0.14	0.786
6.00	-51.38	-34.21	0.00	-3,466.50	0.00	3,466.50	4,597.82	1,194.12	5,440.82	4,522.21	0.18	-0.28	0.779
9.00	-50.31	-33.88	0.00	-3,363.88	0.00	3,363.88	4,563.18	1,178.50	5,299.44	4,428.89	0.41	-0.43	0.771
12.00	-49.25	-33.54	0.00	-3,262.26	0.00	3,262.26	4,527.86	1,162.88	5,159.92	4,335.83	0.72	-0.57	0.764
15.00	-48.21	-33.21	0.00	-3,161.63	0.00	3,161.63	4,491.86	1,147.25	5,022.26	4,243.05	1.13	-0.72	0.757
18.00	-47.17	-32.89	0.00	-3,061.99	0.00	3,061.99	4,455.19	1,131.63	4,886.46	4,150.57	1.63	-0.87	0.749
21.00	-46.15	-32.56	0.00	-2,963.34	0.00	2,963.34	4,417.85	1,116.01	4,752.53	4,058.43	2.22	-1.02	0.741
24.00	-45.14	-32.24	0.00	-2,865.66	0.00	2,865.66	4,379.82	1,100.39	4,620.45	3,966.64	2.91	-1.17	0.734
27.00	-44.14	-31.92	0.00	-2,768.95	0.00	2,768.95	4,341.13	1,084.77	4,490.24	3,875.23	3.69	-1.32	0.726
30.00	-43.15	-31.60	0.00	-2,673.20	0.00	2,673.20	4,301.75	1,069.15	4,361.89	3,784.23	4.57	-1.47	0.717
33.00	-42.18	-31.27	0.00	-2,578.42	0.00	2,578.42	4,261.70	1,053.52	4,235.40	3,693.68	5.54	-1.63	0.709
36.00	-41.22	-30.93	0.00	-2,484.62	0.00	2,484.62	4,220.97	1,037.90	4,110.77	3,603.58	6.62	-1.78	0.700
39.00	-40.29	-30.69	0.00	-2,391.82	0.00	2,391.82	4,179.57	1,022.28	3,988.00	3,513.97	7.78	-1.94	0.691
40.10	-39.93	-30.52	0.00	-2,357.94	0.00	2,357.94	4,164.16	1,016.53	3,943.28	3,481.12	8.24	-2.00	0.688
42.00	-38.94	-30.22	0.00	-2,300.08	0.00	2,300.08	4,137.49	1,006.66	3,867.09	3,424.88	9.05	-2.10	0.682
45.00	-37.43	-29.95	0.00	-2,209.42	0.00	2,209.42	4,094.73	991.04	3,748.05	3,336.33	10.42	-2.25	0.672
45.90	-36.96	-29.77	0.00	-2,182.51	0.00	2,182.51	3,345.43	862.67	3,312.91	2,772.86	10.85	-2.30	0.799
48.00	-36.38	-29.52	0.00	-2,119.96	0.00	2,119.96	3,324.15	853.29	3,241.28	2,724.99	11.89	-2.42	0.790
50.00	-35.75	-29.25	0.00	-2,060.92	0.00	2,060.92	3,303.59	844.36	3,173.84	2,679.55	12.93	-2.53	0.781
51.00	-35.46	-29.03	0.00	-2,031.67	0.00	2,031.67	3,293.20	839.90	3,140.39	2,656.86	13.46	-2.59	0.777
54.00	-34.65	-28.66	0.00	-1,944.59	0.00	1,944.59	3,261.57	826.51	3,041.08	2,589.00	15.15	-2.77	0.763
57.00	-33.85	-28.30	0.00	-1,858.60	0.00	1,858.60	3,229.26	813.12	2,943.38	2,521.44	16.95	-2.95	0.749
60.00	-33.06	-27.93	0.00	-1,773.71	0.00	1,773.71	3,196.28	799.73	2,847.27	2,454.19	18.86	-3.13	0.734
63.00	-32.11	-27.42	0.00	-1,689.92	0.00	1,689.92	3,162.62	786.34	2,752.76	2,387.28	20.88	-3.30	0.719
66.00	-31.35	-27.03	0.00	-1,607.68	0.00	1,607.68	3,128.28	772.95	2,659.84	2,320.75	23.01	-3.48	0.704
69.00	-30.60	-26.64	0.00	-1,526.59	0.00	1,526.59	3,093.27	759.56	2,568.51	2,254.62	25.26	-3.66	0.688
72.00	-29.87	-26.24	0.00	-1,446.68	0.00	1,446.68	3,057.58	746.17	2,478.79	2,188.92	27.62	-3.84	0.672
75.00	-29.14	-25.84	0.00	-1,367.97	0.00	1,367.97	3,021.22	732.78	2,390.65	2,123.66	30.09	-4.02	0.655
78.00	-28.43	-25.46	0.00	-1,290.45	0.00	1,290.45	2,984.18	719.39	2,304.12	2,058.89	32.67	-4.20	0.638
80.60	-27.84	-25.24	0.00	-1,224.28	0.00	1,224.28	2,951.54	707.79	2,230.44	2,003.18	34.99	-4.35	0.622
81.00	-27.67	-25.06	0.00	-1,214.10	0.00	1,214.10	2,946.46	706.00	2,219.17	1,994.61	35.36	-4.38	0.619
83.00	-26.86	-24.73	0.00	-1,163.99	0.00	1,163.99	2,920.94	697.07	2,163.43	1,952.06	37.22	-4.49	0.607
84.00	-26.49	-24.56	0.00	-1,139.26	0.00	1,139.26	2,908.96	692.61	2,135.83	1,931.47	38.16	-4.55	0.600
85.41	-25.98	-24.34	0.00	-1,104.73	0.00	1,104.73	2,288.86	584.09	1,822.48	1,541.02	39.52	-4.64	0.730
87.00	-25.64	-24.05	0.00	-1,065.94	0.00	1,065.94	2,274.94	578.16	1,785.69	1,515.96	41.08	-4.73	0.716
90.00	-25.04	-23.65	0.00	-993.80	0.00	993.80	2,248.22	567.00	1,717.45	1,468.96	44.11	-4.93	0.689
93.00	-24.45	-23.26	0.00	-922.85	0.00	922.85	2,220.81	555.84	1,650.54	1,422.23	47.27	-5.12	0.662
96.00	-23.87	-22.86	0.00	-853.08	0.00	853.08	2,192.74	544.68	1,584.96	1,375.78	50.54	-5.31	0.633
99.00	-23.31	-22.47	0.00	-784.50	0.00	784.50	2,163.98	533.53	1,520.71	1,329.64	53.93	-5.49	0.603
102.00	-22.75	-22.07	0.00	-717.10	0.00	717.10	2,134.56	522.37	1,457.78	1,283.85	57.44	-5.68	0.571
105.00	-22.20	-21.73	0.00	-650.88	0.00	650.88	2,104.45	511.21	1,396.19	1,238.42	61.06	-5.85	0.538
107.00	-21.76	-20.63	0.00	-607.43	0.00	607.43	2,084.00	503.77	1,355.87	1,208.36	63.53	-5.97	0.515

Load Case: 1.2D + 1.0W 118 mph with No Ice 30 Iterations

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

108.00	-21.58	-20.39	0.00	-586.80	0.00	586.80	2,073.67	500.05	1,335.93	1,193.39	64.78	-6.02	0.504
111.00	-21.07	-20.00	0.00	-525.63	0.00	525.63	2,042.21	488.89	1,277.00	1,148.77	68.61	-6.19	0.470
114.00	-20.56	-19.61	0.00	-465.63	0.00	465.63	2,006.48	477.73	1,219.39	1,102.63	72.54	-6.34	0.434
117.00	-20.07	-19.22	0.00	-406.81	0.00	406.81	1,959.62	466.58	1,163.12	1,051.43	76.57	-6.49	0.399
120.00	-19.59	-18.91	0.00	-349.14	0.00	349.14	1,912.75	455.42	1,108.17	1,001.46	80.68	-6.62	0.361
122.12	-19.24	-18.67	0.00	-309.01	0.00	309.01	1,879.60	447.52	1,070.10	966.84	83.64	-6.71	0.332
123.00	-16.26	-16.50	0.00	-292.62	0.00	292.62	1,865.89	444.26	1,054.56	952.70	84.87	-6.75	0.317
125.89	-15.62	-16.20	0.00	-245.02	0.00	245.02	929.68	265.41	627.12	474.96	88.98	-6.86	0.536
126.00	-15.60	-16.06	0.00	-243.17	0.00	243.17	929.29	265.16	625.91	474.31	89.14	-6.86	0.533
129.00	-15.25	-15.67	0.00	-194.99	0.00	194.99	918.88	258.46	594.71	457.06	93.50	-7.02	0.447
132.00	-14.90	-15.36	0.00	-147.97	0.00	147.97	907.79	251.77	564.31	439.76	97.94	-7.15	0.357
133.00	-10.85	-11.17	0.00	-132.61	0.00	132.61	903.95	249.54	554.35	433.99	99.44	-7.19	0.320
135.00	-10.66	-10.86	0.00	-110.28	0.00	110.28	896.03	245.07	534.70	422.43	102.45	-7.25	0.275
138.00	-10.37	-10.51	0.00	-77.71	0.00	77.71	883.59	238.38	505.89	405.10	107.03	-7.34	0.206
140.00	-5.87	-5.56	0.00	-56.70	0.00	56.70	874.92	233.92	487.13	393.55	110.11	-7.38	0.151
141.00	-5.80	-5.41	0.00	-51.14	0.00	51.14	870.48	231.68	477.88	387.78	111.65	-7.40	0.139
144.00	-5.56	-5.21	0.00	-34.91	0.00	34.91	856.69	224.99	450.67	370.52	116.30	-7.45	0.101
146.00	-5.39	-5.10	0.00	-24.50	0.00	24.50	847.12	220.53	432.97	359.05	119.42	-7.47	0.075
146.00	-5.39	-5.10	0.00	-24.50	0.00	24.50	920.33	276.10	376.25	378.52	119.42	-7.47	0.071
147.00	-5.27	-5.03	0.00	-19.40	0.00	19.40	920.33	276.10	376.25	378.52	120.98	-7.48	0.057
149.00	-1.40	-0.91	0.00	-5.73	0.00	5.73	920.33	276.10	376.25	378.52	124.11	-7.49	0.017
150.00	-1.31	-0.84	0.00	-4.81	0.00	4.81	920.33	276.10	376.25	378.52	125.67	-7.49	0.014
153.00	-1.00	-0.71	0.00	-2.30	0.00	2.30	920.33	276.10	376.25	378.52	130.37	-7.50	0.007
155.00	-0.16	-0.16	0.00	-0.87	0.00	0.87	920.33	276.10	376.25	378.52	133.50	-7.50	0.002
155.00	-0.16	-0.16	0.00	-0.87	0.00	0.87	70.80	21.24	6.13	6.17	133.50	-7.50	0.143
156.00	-0.15	-0.13	0.00	-0.71	0.00	0.71	70.80	21.24	6.13	6.17	135.06	-7.50	0.117
159.00	-0.11	-0.08	0.00	-0.32	0.00	0.32	70.80	21.24	6.13	6.17	139.81	-7.64	0.053
162.00	-0.02	-0.02	0.00	-0.07	0.00	0.07	70.80	21.24	6.13	6.17	144.62	-7.70	0.012
165.00	0.00	-0.02	0.00	0.00	0.00	0.00	70.80	21.24	6.13	6.17	149.44	-7.71	0.000

Load Case: 0.9D + 1.0W — 118 mph with No Ice (Reduced DL) — 30 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		226.6	0.0					0.0	0.0	226.6	0.0	0.0	0.0
3.00		452.9	637.4					2.5	120.6	455.4	758.0	0.0	0.0
6.00		452.1	629.2					2.5	120.6	454.7	749.9	0.0	0.0
9.00		450.9	621.0					2.5	120.6	453.4	741.7	0.0	0.0
12.00		446.7	612.9					2.6	120.6	449.3	733.5	0.0	0.0
15.00		440.2	604.7					2.9	120.6	443.0	725.3	0.0	0.0
18.00		433.7	596.5					3.1	120.6	436.8	717.1	0.0	0.0
21.00		427.2	588.3					3.4	120.6	430.6	709.0	0.0	0.0
24.00		420.6	580.1					3.7	120.6	424.3	700.8	0.0	0.0
27.00		414.1	572.0					3.9	120.6	418.1	692.6	0.0	0.0
30.00		410.7	563.8					4.2	120.6	414.9	684.4	0.0	0.0
33.00		412.5	555.6					4.5	120.6	417.0	676.2	0.0	0.0
36.00		416.0	547.4					4.9	120.6	420.9	668.1	0.0	0.0
39.00		285.9	539.3					5.3	120.6	291.2	659.9	0.0	0.0
40.10	Bot - Section 2	212.3	196.4					2.0	44.4	214.3	240.8	0.0	0.0
42.00		349.6	627.2					3.6	76.2	353.2	703.4	0.0	0.0
45.00		278.8	980.1					6.0	120.6	284.8	1,100.8	0.0	0.0
45.90	Top - Section 1	215.2	290.6					1.9	36.1	217.1	326.7	0.0	0.0
48.00		294.5	314.6					4.3	84.5	298.9	399.2	0.0	0.0
50.00	Appurtenance(s)	215.5	296.2	74.8	0.0	0.0	72.0	4.3	80.4	294.6	448.7	0.0	0.0
51.00		287.2	147.0					2.2	40.2	289.4	187.2	0.0	0.0
54.00		430.3	436.2					6.9	120.6	437.2	556.8	0.0	0.0
57.00		427.3	429.2					7.2	120.6	434.6	549.8	0.0	0.0
60.00		426.0	422.2					7.6	120.6	433.6	542.8	0.0	0.0
63.00	Appurtenance(s)	429.6	415.2	127.4	0.0	0.0	135.0	7.7	120.6	564.8	670.8	0.0	0.0
66.00		434.5	408.1					7.8	120.6	442.3	528.8	0.0	0.0
69.00		439.0	401.1					7.9	120.6	446.9	521.8	0.0	0.0
72.00		439.6	394.1					8.1	120.6	447.7	514.8	0.0	0.0
75.00		436.3	387.1					8.6	120.6	444.9	507.8	0.0	0.0
78.00		404.0	380.1					9.0	120.6	413.0	500.7	0.0	0.0
80.60	Bot - Section 3	215.9	323.6					8.2	104.5	224.1	428.1	0.0	0.0
81.00	Appurtenance(s)	174.3	91.5	30.6	0.0	61.3	9.0	1.3	16.1	206.3	116.7	0.0	0.0
83.00	Appurtenance(s)	217.3	453.1	85.1	0.0	0.0	67.5	6.6	80.2	309.0	600.8	0.0	0.0
84.00		173.4	224.4					3.4	40.1	176.7	264.5	0.0	0.0
85.41	Top - Section 2	215.4	313.2					4.8	56.4	220.2	369.5	0.0	0.0
87.00		327.4	161.6					5.4	63.9	332.8	225.5	0.0	0.0
90.00		424.0	299.7					10.5	120.2	434.5	420.0	0.0	0.0
93.00		419.0	293.9					11.0	120.2	430.0	414.1	0.0	0.0
96.00		413.8	288.1					11.4	120.2	425.3	408.3	0.0	0.0
99.00		408.4	282.2					11.9	120.2	420.3	402.5	0.0	0.0
102.00		402.8	276.4					12.3	120.2	415.1	396.6	0.0	0.0
105.00	Appurtenance(s)	331.6	270.5	4.4	0.0	0.0	8.9	12.8	120.2	348.7	399.7	0.0	0.0
107.00	Appurtenance(s)	196.9	177.1	879.4	0.0	0.0	135.8	8.8	80.2	1,085.1	393.1	0.0	0.0
108.00		259.2	87.6					4.5	40.1	263.6	127.7	0.0	0.0
111.00		384.5	258.9					13.7	120.2	398.2	379.1	0.0	0.0
114.00		378.1	253.0					14.1	120.2	392.2	373.2	0.0	0.0
117.00		367.5	247.2					14.5	120.2	382.0	367.4	0.0	0.0
120.00		287.9	241.3					14.9	120.2	302.8	361.6	0.0	0.0

Load Case: 0.9D + 1.0W — 118 mph with No Ice (Reduced DL) — 30 Iterations

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

122.12	Bot - Section 4	152.6	167.2					64.1	98.2	216.8	265.4	0.0	0.0
123.00	Appurtenance(s)	190.6	110.1	1,615.1	0.0	0.0	2,250.0	26.6	40.6	1,832.4	2,400.7	0.0	0.0
125.89	Top - Section 3	151.5	356.2					87.9	133.6	239.5	489.8	0.0	0.0
126.00		154.5	5.3					3.5	5.3	158.0	10.6	0.0	0.0
129.00		294.8	137.1					92.1	138.9	386.9	275.9	0.0	0.0
132.00		194.0	133.6					92.7	138.9	286.7	272.4	0.0	0.0
133.00	Appurtenance(s)	143.1	43.7	3,495.8	0.0	0.0	3,307.3	31.1	46.3	3,670.0	3,397.3	0.0	0.0
135.00		235.2	86.3					62.3	76.5	297.6	162.8	0.0	0.0
138.00		231.9	126.5					94.0	114.8	326.0	241.3	0.0	0.0
140.00	Appurtenance(s)	127.7	82.4	4,141.3	0.0	0.0	3,664.3	63.0	76.5	4,332.0	3,823.3	0.0	0.0
141.00		142.1	40.6					0.0	25.6	142.1	66.2	0.0	0.0
144.00		175.6	119.5					0.0	76.8	175.6	196.3	0.0	0.0
146.00	Top - Section 4	87.9	77.7					0.0	51.2	87.9	128.9	0.0	0.0
147.00		55.6	74.6					0.0	25.6	55.6	100.2	0.0	0.0
149.00	Appurtenance(s)	53.2	149.1	3,519.7	0.0	3,624.5	3,077.2	0.0	51.2	3,572.9	3,277.5	0.0	0.0
150.00		64.6	74.6					0.0	4.4	64.6	79.0	0.0	0.0
153.00		81.0	223.7					0.0	13.3	81.0	237.0	0.0	0.0
155.00	Top - Section 5	39.6	149.1	400.3	0.0	3.1	521.3	0.0	8.9	440.0	679.3	0.0	0.0
156.00		28.6	6.9					0.0	4.4	28.6	11.3	0.0	0.0
159.00		43.0	20.7					0.0	13.3	43.0	33.9	0.0	0.0
162.00	Appurtenance(s)	41.5	20.7	5.4	0.0	0.0	36.5	0.0	13.3	46.8	70.4	0.0	0.0
165.00		19.9	20.7					0.0	0.0	19.9	20.7	0.0	0.0
								Totals:		35,024.3	40,205.7	0.00	0.00

Load Case: 0.9D + 1.0W — 118 mph with No Ice (Reduced DL) — 30 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	-40.16	-34.85	0.00	-3,607.54	0.00	3,607.54	4,665.07	1,225.36	5,729.16	4,709.48	0.00	0.00	0.775
3.00	-39.32	-34.49	0.00	-3,503.01	0.00	3,503.01	4,631.78	1,209.74	5,584.06	4,615.74	0.04	-0.14	0.768
6.00	-38.49	-34.12	0.00	-3,399.55	0.00	3,399.55	4,597.82	1,194.12	5,440.82	4,522.21	0.18	-0.28	0.761
9.00	-37.67	-33.76	0.00	-3,297.18	0.00	3,297.18	4,563.18	1,178.50	5,299.44	4,428.89	0.40	-0.42	0.754
12.00	-36.85	-33.39	0.00	-3,195.91	0.00	3,195.91	4,527.86	1,162.88	5,159.92	4,335.83	0.71	-0.56	0.746
15.00	-36.05	-33.03	0.00	-3,095.73	0.00	3,095.73	4,491.86	1,147.25	5,022.26	4,243.05	1.11	-0.71	0.738
18.00	-35.26	-32.68	0.00	-2,996.63	0.00	2,996.63	4,455.19	1,131.63	4,886.46	4,150.57	1.60	-0.85	0.731
21.00	-34.47	-32.32	0.00	-2,898.59	0.00	2,898.59	4,417.85	1,116.01	4,752.53	4,058.43	2.18	-1.00	0.723
24.00	-33.70	-31.97	0.00	-2,801.63	0.00	2,801.63	4,379.82	1,100.39	4,620.45	3,966.64	2.85	-1.14	0.715
27.00	-32.93	-31.63	0.00	-2,705.71	0.00	2,705.71	4,341.13	1,084.77	4,490.24	3,875.23	3.62	-1.29	0.707
30.00	-32.18	-31.28	0.00	-2,610.83	0.00	2,610.83	4,301.75	1,069.15	4,361.89	3,784.23	4.48	-1.44	0.698
33.00	-31.43	-30.93	0.00	-2,516.99	0.00	2,516.99	4,261.70	1,053.52	4,235.40	3,693.68	5.43	-1.59	0.690
36.00	-30.69	-30.57	0.00	-2,424.21	0.00	2,424.21	4,220.97	1,037.90	4,110.77	3,603.58	6.48	-1.74	0.681
39.00	-29.99	-30.31	0.00	-2,332.50	0.00	2,332.50	4,179.57	1,022.28	3,988.00	3,513.97	7.63	-1.90	0.672
40.10	-29.71	-30.13	0.00	-2,299.03	0.00	2,299.03	4,164.16	1,016.53	3,943.28	3,481.12	8.07	-1.95	0.668
42.00	-28.96	-29.82	0.00	-2,241.91	0.00	2,241.91	4,137.49	1,006.66	3,867.09	3,424.88	8.87	-2.05	0.662
45.00	-27.82	-29.54	0.00	-2,152.47	0.00	2,152.47	4,094.73	991.04	3,748.05	3,336.33	10.20	-2.21	0.653
45.90	-27.46	-29.35	0.00	-2,125.93	0.00	2,125.93	3,345.43	862.67	3,312.91	2,772.86	10.62	-2.25	0.776
48.00	-27.01	-29.09	0.00	-2,064.25	0.00	2,064.25	3,324.15	853.29	3,241.28	2,724.99	11.64	-2.36	0.767
50.00	-26.53	-28.81	0.00	-2,006.08	0.00	2,006.08	3,303.59	844.36	3,173.84	2,679.55	12.65	-2.48	0.758
51.00	-26.30	-28.57	0.00	-1,977.27	0.00	1,977.27	3,293.20	839.90	3,140.39	2,656.86	13.18	-2.54	0.753
54.00	-25.68	-28.18	0.00	-1,891.56	0.00	1,891.56	3,261.57	826.51	3,041.08	2,589.00	14.83	-2.71	0.740
57.00	-25.07	-27.80	0.00	-1,807.01	0.00	1,807.01	3,229.26	813.12	2,943.38	2,521.44	16.58	-2.88	0.726
60.00	-24.47	-27.41	0.00	-1,723.62	0.00	1,723.62	3,196.28	799.73	2,847.27	2,454.19	18.45	-3.05	0.711
63.00	-23.75	-26.88	0.00	-1,641.38	0.00	1,641.38	3,162.62	786.34	2,752.76	2,387.28	20.42	-3.23	0.696
66.00	-23.16	-26.48	0.00	-1,560.73	0.00	1,560.73	3,128.28	772.95	2,659.84	2,320.75	22.50	-3.40	0.681
69.00	-22.59	-26.07	0.00	-1,481.29	0.00	1,481.29	3,093.27	759.56	2,568.51	2,254.62	24.70	-3.57	0.665
72.00	-22.03	-25.66	0.00	-1,403.07	0.00	1,403.07	3,057.58	746.17	2,478.79	2,188.92	27.00	-3.75	0.649
75.00	-21.48	-25.25	0.00	-1,326.10	0.00	1,326.10	3,021.22	732.78	2,390.65	2,123.66	29.40	-3.92	0.633
78.00	-20.94	-24.86	0.00	-1,250.36	0.00	1,250.36	2,984.18	719.39	2,304.12	2,058.89	31.92	-4.09	0.616
80.60	-20.49	-24.63	0.00	-1,185.76	0.00	1,185.76	2,951.54	707.79	2,230.44	2,003.18	34.19	-4.24	0.600
81.00	-20.36	-24.44	0.00	-1,175.82	0.00	1,175.82	2,946.46	706.00	2,219.17	1,994.61	34.55	-4.27	0.598
83.00	-19.75	-24.12	0.00	-1,126.93	0.00	1,126.93	2,920.94	697.07	2,163.43	1,952.06	36.36	-4.38	0.585
84.00	-19.47	-23.95	0.00	-1,102.81	0.00	1,102.81	2,908.96	692.61	2,135.83	1,931.47	37.28	-4.44	0.579
85.41	-19.08	-23.73	0.00	-1,069.13	0.00	1,069.13	2,288.86	584.09	1,822.48	1,541.02	38.60	-4.52	0.704
87.00	-18.82	-23.42	0.00	-1,031.31	0.00	1,031.31	2,274.94	578.16	1,785.69	1,515.96	40.12	-4.61	0.690
90.00	-18.37	-23.02	0.00	-961.04	0.00	961.04	2,248.22	567.00	1,717.45	1,468.96	43.08	-4.80	0.664
93.00	-17.92	-22.61	0.00	-891.99	0.00	891.99	2,220.81	555.84	1,650.54	1,422.23	46.15	-4.98	0.637
96.00	-17.48	-22.21	0.00	-824.16	0.00	824.16	2,192.74	544.68	1,584.96	1,375.78	49.34	-5.17	0.609
99.00	-17.05	-21.80	0.00	-757.54	0.00	757.54	2,163.98	533.53	1,520.71	1,329.64	52.64	-5.35	0.579
102.00	-16.63	-21.40	0.00	-692.12	0.00	692.12	2,134.56	522.37	1,457.78	1,283.85	56.05	-5.52	0.549
105.00	-16.21	-21.06	0.00	-627.91	0.00	627.91	2,104.45	511.21	1,396.19	1,238.42	59.57	-5.69	0.516
107.00	-15.90	-19.96	0.00	-585.80	0.00	585.80	2,084.00	503.77	1,355.87	1,208.36	61.97	-5.80	0.494

Load Case: 0.9D + 1.0W 118 mph with No Ice (Reduced DL) 30 Iterations

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

108.00	-15.77	-19.72	0.00	-565.84	0.00	565.84	2,073.67	500.05	1,335.93	1,193.39	63.19	-5.86	0.483
111.00	-15.38	-19.32	0.00	-506.70	0.00	506.70	2,042.21	488.89	1,277.00	1,148.77	66.92	-6.01	0.450
114.00	-15.00	-18.93	0.00	-448.73	0.00	448.73	2,006.48	477.73	1,219.39	1,102.63	70.74	-6.16	0.416
117.00	-14.63	-18.55	0.00	-391.94	0.00	391.94	1,959.62	466.58	1,163.12	1,051.43	74.65	-6.30	0.382
120.00	-14.27	-18.23	0.00	-336.31	0.00	336.31	1,912.75	455.42	1,108.17	1,001.46	78.64	-6.44	0.345
122.12	-14.02	-18.00	0.00	-297.62	0.00	297.62	1,879.60	447.52	1,070.10	966.84	81.52	-6.52	0.317
123.00	-11.82	-15.92	0.00	-281.82	0.00	281.82	1,865.89	444.26	1,054.56	952.70	82.72	-6.56	0.303
125.89	-11.35	-15.64	0.00	-235.88	0.00	235.88	929.68	265.41	627.12	474.96	86.71	-6.66	0.512
126.00	-11.33	-15.49	0.00	-234.09	0.00	234.09	929.29	265.16	625.91	474.31	86.87	-6.66	0.509
129.00	-11.07	-15.11	0.00	-187.61	0.00	187.61	918.88	258.46	594.71	457.06	91.10	-6.81	0.426
132.00	-10.81	-14.80	0.00	-142.29	0.00	142.29	907.79	251.77	564.31	439.76	95.41	-6.94	0.339
133.00	-7.87	-10.75	0.00	-127.49	0.00	127.49	903.95	249.54	554.35	433.99	96.86	-6.98	0.304
135.00	-7.73	-10.45	0.00	-105.98	0.00	105.98	896.03	245.07	534.70	422.43	99.80	-7.04	0.261
138.00	-7.52	-10.10	0.00	-74.63	0.00	74.63	883.59	238.38	505.89	405.10	104.24	-7.12	0.195
140.00	-4.27	-5.33	0.00	-54.42	0.00	54.42	874.92	233.92	487.13	393.55	107.22	-7.17	0.144
141.00	-4.22	-5.19	0.00	-49.09	0.00	49.09	870.48	231.68	477.88	387.78	108.72	-7.18	0.132
144.00	-4.04	-4.99	0.00	-33.54	0.00	33.54	856.69	224.99	450.67	370.52	113.24	-7.23	0.096
146.00	-3.92	-4.89	0.00	-23.56	0.00	23.56	847.12	220.53	432.97	359.05	116.26	-7.25	0.071
146.00	-3.92	-4.89	0.00	-23.56	0.00	23.56	920.33	276.10	376.25	378.52	116.26	-7.25	0.067
147.00	-3.83	-4.82	0.00	-18.67	0.00	18.67	920.33	276.10	376.25	378.52	117.78	-7.26	0.054
149.00	-1.03	-0.86	0.00	-5.41	0.00	5.41	920.33	276.10	376.25	378.52	120.81	-7.27	0.015
150.00	-0.96	-0.79	0.00	-4.55	0.00	4.55	920.33	276.10	376.25	378.52	122.33	-7.27	0.013
153.00	-0.74	-0.68	0.00	-2.19	0.00	2.19	920.33	276.10	376.25	378.52	126.89	-7.27	0.007
155.00	-0.12	-0.15	0.00	-0.83	0.00	0.83	920.33	276.10	376.25	378.52	129.93	-7.28	0.002
155.00	-0.12	-0.15	0.00	-0.83	0.00	0.83	70.80	21.24	6.13	6.17	129.93	-7.28	0.136
156.00	-0.11	-0.12	0.00	-0.67	0.00	0.67	70.80	21.24	6.13	6.17	131.45	-7.28	0.111
159.00	-0.08	-0.08	0.00	-0.30	0.00	0.30	70.80	21.24	6.13	6.17	136.06	-7.41	0.050
162.00	-0.02	-0.02	0.00	-0.07	0.00	0.07	70.80	21.24	6.13	6.17	140.72	-7.46	0.011
165.00	0.00	-0.02	0.00	0.00	0.00	0.00	70.80	21.24	6.13	6.17	145.40	-7.47	0.000

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph with 1.50 in Radial Ice — 30 Iterations

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

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces Wind FX (lb)	Shaft Forces Dead Load (lb)	Discrete Forces Wind FX (lb)	Discrete Forces Torsion MY (lb-ft)	Discrete Forces Moment MZ (lb-ft)	Discrete Forces Dead Load (lb)	Linear Forces Wind FX (lb)	Linear Forces Dead Load (lb)	Sum of Forces Wind FX (lb)	Sum of Forces Dead Load (lb)	Sum of Forces Torsion MY (lb-ft)	Sum of Forces Moment MZ (lb)
0.00		36.7	0.0					0.0	0.0	36.7	0.0	0.0	0.0
3.00		73.2	1,065.8					5.5	272.6	78.7	1,338.4	0.0	0.0
6.00		72.6	1,077.6					5.9	281.7	78.5	1,359.3	0.0	0.0
9.00		71.8	1,076.3					6.3	286.4	78.1	1,362.7	0.0	0.0
12.00		71.0	1,070.8					6.6	289.6	77.6	1,360.4	0.0	0.0
15.00		70.2	1,063.2					6.9	292.1	77.1	1,355.3	0.0	0.0
18.00		69.4	1,054.2					7.1	294.2	76.5	1,348.4	0.0	0.0
21.00		68.6	1,044.3					7.4	295.9	76.0	1,340.2	0.0	0.0
24.00		67.7	1,033.7					7.7	297.5	75.4	1,331.2	0.0	0.0
27.00		66.9	1,022.6					7.9	298.8	74.8	1,321.4	0.0	0.0
30.00		66.5	1,011.0					8.2	300.1	74.7	1,311.1	0.0	0.0
33.00		67.0	999.2					8.5	301.2	75.5	1,300.3	0.0	0.0
36.00		67.8	987.0					9.0	302.2	76.8	1,289.2	0.0	0.0
39.00		46.7	974.6					9.5	303.2	56.2	1,277.8	0.0	0.0
40.10	Bot - Section 2	34.7	356.0					3.6	111.8	38.3	467.8	0.0	0.0
42.00		57.3	999.8					6.4	192.2	63.6	1,192.0	0.0	0.0
45.00		45.7	1,563.3					10.5	304.9	56.2	1,868.2	0.0	0.0
45.90	Top - Section 1	35.4	464.2					3.2	91.5	38.6	555.7	0.0	0.0
48.00		48.4	597.9					7.5	214.2	55.9	812.1	0.0	0.0
50.00	Appurtenance(s)	35.5	563.8	22.3	0.0	0.0	137.2	7.3	204.2	65.1	905.3	0.0	0.0
51.00		47.4	280.2					3.8	102.2	51.2	382.4	0.0	0.0
54.00		71.2	831.5					11.6	307.1	82.8	1,138.6	0.0	0.0
57.00		71.3	819.7					12.0	307.8	83.3	1,127.5	0.0	0.0
60.00		71.3	807.8					12.5	308.5	83.8	1,116.3	0.0	0.0
63.00	Appurtenance(s)	71.2	795.8	37.5	0.0	0.0	260.8	13.0	309.1	121.6	1,365.7	0.0	0.0
66.00		71.0	783.7					13.5	309.7	84.5	1,093.4	0.0	0.0
69.00		70.8	771.6					13.9	310.2	84.8	1,081.8	0.0	0.0
72.00		70.6	759.3					14.4	310.8	85.0	1,070.1	0.0	0.0
75.00		70.3	747.0					14.9	311.3	85.1	1,058.3	0.0	0.0
78.00		65.2	734.6					15.4	311.8	80.6	1,046.4	0.0	0.0
80.60	Bot - Section 3	34.9	626.6					13.7	270.5	48.6	897.1	0.0	0.0
81.00	Appurtenance(s)	28.2	152.7	9.2	0.0	18.4	35.4	2.1	41.8	39.6	229.8	0.0	0.0
83.00	Appurtenance(s)	35.2	755.3	25.3	0.0	0.0	131.8	10.8	208.1	71.4	1,095.2	0.0	0.0
84.00		28.1	374.5					5.5	104.1	33.6	478.6	0.0	0.0
85.41	Top - Section 2	35.0	522.7					7.8	146.5	42.8	669.2	0.0	0.0
87.00		53.3	333.7					8.8	166.2	62.1	499.8	0.0	0.0
90.00		69.2	618.7					17.0	313.1	86.2	931.8	0.0	0.0
93.00		68.6	607.6					17.5	313.5	86.1	921.1	0.0	0.0
96.00		68.0	596.4					18.0	314.0	86.0	910.4	0.0	0.0
99.00		67.4	585.2					18.4	314.4	85.8	899.6	0.0	0.0
102.00		66.7	574.0					18.9	314.8	85.7	888.8	0.0	0.0
105.00	Appurtenance(s)	55.1	562.7	2.8	0.0	0.0	20.0	19.4	315.1	77.3	897.9	0.0	0.0
107.00	Appurtenance(s)	32.8	369.3	201.1	0.0	0.0	748.4	13.2	210.3	247.2	1,328.0	0.0	0.0
108.00		43.3	183.0					6.7	105.2	50.0	288.2	0.0	0.0
111.00		64.5	540.0					20.4	315.9	84.9	855.9	0.0	0.0
114.00		63.7	528.6					20.9	316.3	84.6	844.9	0.0	0.0
117.00		62.9	517.2					21.4	316.6	84.3	833.8	0.0	0.0
120.00		54.1	505.7					21.9	316.9	76.0	822.7	0.0	0.0

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.50 in Radial Ice 30 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

122.12	Bot - Section 4	32.4	351.3					15.8	248.3	48.2	599.6	0.0	0.0
123.00	Appurtenance(s)	40.7	200.3	430.8	0.0	0.0	4,489.5	6.6	102.7	478.2	4,792.5	0.0	0.0
125.89	Top - Section 3	32.4	647.3					22.0	338.0	54.5	985.3	0.0	0.0
126.00		33.2	13.9					0.9	13.4	34.1	27.3	0.0	0.0
129.00		63.7	358.0					23.2	351.8	87.0	709.7	0.0	0.0
132.00		42.2	349.5					23.7	352.1	66.0	701.6	0.0	0.0
133.00	Appurtenance(s)	31.3	115.1	884.2	0.0	0.0	7,736.0	8.0	117.4	923.5	7,968.5	0.0	0.0
135.00		51.7	226.9					16.2	213.6	67.9	440.5	0.0	0.0
138.00		51.2	332.5					24.7	320.7	75.9	653.1	0.0	0.0
140.00	Appurtenance(s)	29.7	217.4	1,024.1	0.0	0.0	9,202.6	16.8	214.0	1,070.6	9,633.9	0.0	0.0
141.00		37.2	107.5					0.0	46.6	37.2	154.1	0.0	0.0
144.00		46.0	315.4					0.0	139.8	46.0	455.2	0.0	0.0
146.00	Top - Section 4	25.2	205.9					0.0	93.3	25.2	299.2	0.0	0.0
147.00		21.1	137.1					8.2	46.7	29.3	183.8	0.0	0.0
149.00	Appurtenance(s)	21.1	274.4	905.8	0.0	893.3	7,507.0	16.5	93.3	943.3	7,874.7	0.0	0.0
150.00		28.3	137.2					0.0	5.9	28.3	143.1	0.0	0.0
153.00		35.4	411.8					0.0	17.7	35.4	429.5	0.0	0.0
155.00	Top - Section 5	16.8	274.7	90.6	0.0	1.1	1,046.5	0.0	11.8	107.4	1,333.0	0.0	0.0
156.00		10.3	20.4					0.0	5.9	10.3	26.3	0.0	0.0
159.00		15.5	61.3					0.0	17.7	15.5	79.0	0.0	0.0
162.00	Appurtenance(s)	14.9	61.4	1.2	0.0	0.0	347.3	0.0	17.7	16.1	426.4	0.0	0.0
165.00		7.2	61.5					0.0	0.0	7.2	61.5	0.0	0.0
								Totals:		7,812.36	85,847.9	0.00	0.00

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.50 in Radial Ice 30 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	-85.85	-7.80	0.00	-933.64	0.00	933.64	4,665.07	1,225.36	5,729.16	4,709.48	0.00	0.00	0.217
3.00	-84.50	-7.78	0.00	-910.23	0.00	910.23	4,631.78	1,209.74	5,584.06	4,615.74	0.01	-0.04	0.215
6.00	-83.14	-7.75	0.00	-886.90	0.00	886.90	4,597.82	1,194.12	5,440.82	4,522.21	0.05	-0.07	0.214
9.00	-81.77	-7.72	0.00	-863.65	0.00	863.65	4,563.18	1,178.50	5,299.44	4,428.89	0.10	-0.11	0.213
12.00	-80.41	-7.70	0.00	-840.48	0.00	840.48	4,527.86	1,162.88	5,159.92	4,335.83	0.18	-0.15	0.212
15.00	-79.04	-7.67	0.00	-817.40	0.00	817.40	4,491.86	1,147.25	5,022.26	4,243.05	0.29	-0.18	0.210
18.00	-77.69	-7.64	0.00	-794.40	0.00	794.40	4,455.19	1,131.63	4,886.46	4,150.57	0.42	-0.22	0.209
21.00	-76.35	-7.61	0.00	-771.49	0.00	771.49	4,417.85	1,116.01	4,752.53	4,058.43	0.57	-0.26	0.207
24.00	-75.01	-7.58	0.00	-748.67	0.00	748.67	4,379.82	1,100.39	4,620.45	3,966.64	0.75	-0.30	0.206
27.00	-73.68	-7.55	0.00	-725.93	0.00	725.93	4,341.13	1,084.77	4,490.24	3,875.23	0.95	-0.34	0.204
30.00	-72.37	-7.51	0.00	-703.29	0.00	703.29	4,301.75	1,069.15	4,361.89	3,784.23	1.17	-0.38	0.203
33.00	-71.06	-7.48	0.00	-680.75	0.00	680.75	4,261.70	1,053.52	4,235.40	3,693.68	1.43	-0.42	0.201
36.00	-69.77	-7.44	0.00	-658.31	0.00	658.31	4,220.97	1,037.90	4,110.77	3,603.58	1.70	-0.46	0.199
39.00	-68.49	-7.41	0.00	-635.98	0.00	635.98	4,179.57	1,022.28	3,988.00	3,513.97	2.01	-0.50	0.197
40.10	-68.02	-7.39	0.00	-627.79	0.00	627.79	4,164.16	1,016.53	3,943.28	3,481.12	2.13	-0.52	0.197
42.00	-66.82	-7.36	0.00	-613.78	0.00	613.78	4,137.49	1,006.66	3,867.09	3,424.88	2.34	-0.55	0.195
45.00	-64.95	-7.32	0.00	-591.70	0.00	591.70	4,094.73	991.04	3,748.05	3,336.33	2.70	-0.59	0.193
45.90	-64.39	-7.30	0.00	-585.12	0.00	585.12	3,345.43	862.67	3,312.91	2,772.86	2.81	-0.60	0.230
48.00	-63.58	-7.27	0.00	-569.79	0.00	569.79	3,324.15	853.29	3,241.28	2,724.99	3.08	-0.63	0.228
50.00	-62.67	-7.22	0.00	-555.26	0.00	555.26	3,303.59	844.36	3,173.84	2,679.55	3.35	-0.66	0.226
51.00	-62.28	-7.20	0.00	-548.04	0.00	548.04	3,293.20	839.90	3,140.39	2,656.86	3.49	-0.68	0.225
54.00	-61.14	-7.15	0.00	-526.45	0.00	526.45	3,261.57	826.51	3,041.08	2,589.00	3.93	-0.73	0.222
57.00	-60.01	-7.10	0.00	-505.00	0.00	505.00	3,229.26	813.12	2,943.38	2,521.44	4.41	-0.78	0.219
60.00	-58.89	-7.05	0.00	-483.69	0.00	483.69	3,196.28	799.73	2,847.27	2,454.19	4.91	-0.82	0.216
63.00	-57.52	-6.96	0.00	-462.53	0.00	462.53	3,162.62	786.34	2,752.76	2,387.28	5.44	-0.87	0.212
66.00	-56.42	-6.91	0.00	-441.65	0.00	441.65	3,128.28	772.95	2,659.84	2,320.75	6.01	-0.92	0.208
69.00	-55.33	-6.85	0.00	-420.93	0.00	420.93	3,093.27	759.56	2,568.51	2,254.62	6.60	-0.97	0.205
72.00	-54.26	-6.80	0.00	-400.37	0.00	400.37	3,057.58	746.17	2,478.79	2,188.92	7.23	-1.02	0.201
75.00	-53.20	-6.74	0.00	-379.98	0.00	379.98	3,021.22	732.78	2,390.65	2,123.66	7.89	-1.07	0.197
78.00	-52.15	-6.68	0.00	-359.77	0.00	359.77	2,984.18	719.39	2,304.12	2,058.89	8.57	-1.12	0.192
80.60	-51.25	-6.63	0.00	-342.41	0.00	342.41	2,951.54	707.79	2,230.44	2,003.18	9.20	-1.16	0.188
81.00	-51.02	-6.61	0.00	-339.73	0.00	339.73	2,946.46	706.00	2,219.17	1,994.61	9.29	-1.17	0.188
83.00	-49.92	-6.54	0.00	-326.52	0.00	326.52	2,920.94	697.07	2,163.43	1,952.06	9.79	-1.20	0.184
84.00	-49.44	-6.51	0.00	-319.98	0.00	319.98	2,908.96	692.61	2,135.83	1,931.47	10.04	-1.22	0.183
85.41	-48.77	-6.47	0.00	-310.83	0.00	310.83	2,288.86	584.09	1,822.48	1,541.02	10.41	-1.24	0.223
87.00	-48.27	-6.44	0.00	-300.51	0.00	300.51	2,274.94	578.16	1,785.69	1,515.96	10.83	-1.27	0.220
90.00	-47.33	-6.37	0.00	-281.21	0.00	281.21	2,248.22	567.00	1,717.45	1,468.96	11.64	-1.32	0.213
93.00	-46.41	-6.31	0.00	-262.09	0.00	262.09	2,220.81	555.84	1,650.54	1,422.23	12.49	-1.38	0.205
96.00	-45.49	-6.24	0.00	-243.16	0.00	243.16	2,192.74	544.68	1,584.96	1,375.78	13.38	-1.43	0.198
99.00	-44.59	-6.18	0.00	-224.43	0.00	224.43	2,163.98	533.53	1,520.71	1,329.64	14.29	-1.49	0.190
102.00	-43.70	-6.11	0.00	-205.90	0.00	205.90	2,134.56	522.37	1,457.78	1,283.85	15.24	-1.54	0.181
105.00	-42.80	-6.04	0.00	-187.58	0.00	187.58	2,104.45	511.21	1,396.19	1,238.42	16.23	-1.59	0.172
107.00	-41.48	-5.77	0.00	-175.52	0.00	175.52	2,084.00	503.77	1,355.87	1,208.36	16.90	-1.62	0.165

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.50 in Radial Ice 30 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

108.00	-41.19	-5.73	0.00	-169.75	0.00	169.75	2,073.67	500.05	1,335.93	1,193.39	17.24	-1.64	0.162
111.00	-40.33	-5.66	0.00	-152.55	0.00	152.55	2,042.21	488.89	1,277.00	1,148.77	18.28	-1.68	0.153
114.00	-39.48	-5.58	0.00	-135.58	0.00	135.58	2,006.48	477.73	1,219.39	1,102.63	19.36	-1.73	0.143
117.00	-38.65	-5.50	0.00	-118.85	0.00	118.85	1,959.62	466.58	1,163.12	1,051.43	20.46	-1.77	0.133
120.00	-37.82	-5.42	0.00	-102.36	0.00	102.36	1,912.75	455.42	1,108.17	1,001.46	21.58	-1.81	0.122
122.12	-37.23	-5.36	0.00	-90.87	0.00	90.87	1,879.60	447.52	1,070.10	966.84	22.40	-1.84	0.114
123.00	-32.45	-4.74	0.00	-86.17	0.00	86.17	1,865.89	444.26	1,054.56	952.70	22.74	-1.85	0.108
125.89	-31.46	-4.66	0.00	-72.49	0.00	72.49	929.68	265.41	627.12	474.96	23.86	-1.88	0.187
126.00	-31.44	-4.64	0.00	-71.96	0.00	71.96	929.29	265.16	625.91	474.31	23.91	-1.88	0.186
129.00	-30.73	-4.55	0.00	-58.04	0.00	58.04	918.88	258.46	594.71	457.06	25.11	-1.93	0.161
132.00	-30.03	-4.48	0.00	-44.38	0.00	44.38	907.79	251.77	564.31	439.76	26.33	-1.97	0.134
133.00	-22.09	-3.28	0.00	-39.90	0.00	39.90	903.95	249.54	554.35	433.99	26.75	-1.98	0.117
135.00	-21.65	-3.21	0.00	-33.33	0.00	33.33	896.03	245.07	534.70	422.43	27.58	-2.00	0.103
138.00	-21.00	-3.12	0.00	-23.70	0.00	23.70	883.59	238.38	505.89	405.10	28.84	-2.03	0.082
140.00	-11.41	-1.71	0.00	-17.46	0.00	17.46	874.92	233.92	487.13	393.55	29.70	-2.04	0.057
141.00	-11.26	-1.67	0.00	-15.76	0.00	15.76	870.48	231.68	477.88	387.78	30.12	-2.04	0.054
144.00	-10.81	-1.61	0.00	-10.75	0.00	10.75	856.69	224.99	450.67	370.52	31.41	-2.06	0.042
146.00	-10.51	-1.57	0.00	-7.54	0.00	7.54	847.12	220.53	432.97	359.05	32.28	-2.07	0.033
146.00	-10.51	-1.57	0.00	-7.54	0.00	7.54	920.33	276.10	376.25	378.52	32.28	-2.07	0.031
147.00	-10.32	-1.54	0.00	-5.96	0.00	5.96	920.33	276.10	376.25	378.52	32.71	-2.07	0.027
149.00	-2.49	-0.31	0.00	-2.00	0.00	2.00	920.33	276.10	376.25	378.52	33.58	-2.07	0.008
150.00	-2.35	-0.28	0.00	-1.69	0.00	1.69	920.33	276.10	376.25	378.52	34.01	-2.07	0.007
153.00	-1.92	-0.23	0.00	-0.86	0.00	0.86	920.33	276.10	376.25	378.52	35.31	-2.07	0.004
155.00	-0.59	-0.07	0.00	-0.40	0.00	0.40	920.33	276.10	376.25	378.52	36.18	-2.07	0.002
155.00	-0.59	-0.07	0.00	-0.40	0.00	0.40	70.80	21.24	6.13	6.17	36.18	-2.07	0.073
156.00	-0.57	-0.06	0.00	-0.33	0.00	0.33	70.80	21.24	6.13	6.17	36.62	-2.07	0.062
159.00	-0.49	-0.04	0.00	-0.15	0.00	0.15	70.80	21.24	6.13	6.17	37.94	-2.14	0.032
162.00	-0.06	-0.01	0.00	-0.03	0.00	0.03	70.80	21.24	6.13	6.17	39.30	-2.17	0.005
165.00	0.00	-0.01	0.00	0.00	0.00	0.00	70.80	21.24	6.13	6.17	40.66	-2.17	0.000

Load Case: 1.0D + 1.0W Serviceability 60 mph 29 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		52.4	0.0					0.0	0.0	52.4	0.0	0.0	0.0
3.00		104.8	708.2					0.6	134.0	105.4	842.3	0.0	0.0
6.00		104.6	699.1					0.6	134.0	105.2	833.2	0.0	0.0
9.00		104.3	690.0					0.6	134.0	104.9	824.1	0.0	0.0
12.00		103.3	681.0					0.6	134.0	103.9	815.0	0.0	0.0
15.00		101.8	671.9					0.7	134.0	102.5	805.9	0.0	0.0
18.00		100.3	662.8					0.7	134.0	101.0	796.8	0.0	0.0
21.00		98.8	653.7					0.8	134.0	99.6	787.7	0.0	0.0
24.00		97.3	644.6					0.9	134.0	98.2	778.6	0.0	0.0
27.00		95.8	635.5					0.9	134.0	96.7	769.6	0.0	0.0
30.00		95.0	626.4					1.0	134.0	96.0	760.5	0.0	0.0
33.00		95.4	617.3					1.0	134.0	96.5	751.4	0.0	0.0
36.00		96.2	608.3					1.1	134.0	97.4	742.3	0.0	0.0
39.00		66.1	599.2					1.2	134.0	67.4	733.2	0.0	0.0
40.10	Bot - Section 2	49.1	218.2					0.5	49.3	49.6	267.6	0.0	0.0
42.00		80.9	696.9					0.8	84.7	81.7	781.6	0.0	0.0
45.00		64.5	1,089.0					1.4	134.0	65.9	1,223.1	0.0	0.0
45.90	Top - Section 1	49.8	322.9					0.4	40.1	50.2	363.0	0.0	0.0
48.00		68.1	349.6					1.0	93.9	69.1	443.5	0.0	0.0
50.00	Appurtenance(s)	49.8	329.2	17.3	0.0	0.0	80.0	1.0	89.4	68.1	498.5	0.0	0.0
51.00		66.4	163.3					0.5	44.7	66.9	208.0	0.0	0.0
54.00		99.5	484.7					1.6	134.0	101.1	618.7	0.0	0.0
57.00		98.9	476.9					1.7	134.0	100.5	610.9	0.0	0.0
60.00		98.5	469.1					1.8	134.0	100.3	603.1	0.0	0.0
63.00	Appurtenance(s)	99.4	461.3	29.5	0.0	0.0	150.0	1.8	134.0	130.7	745.3	0.0	0.0
66.00		100.5	453.5					1.8	134.0	102.3	587.5	0.0	0.0
69.00		101.6	445.7					1.8	134.0	103.4	579.7	0.0	0.0
72.00		101.7	437.9					1.9	134.0	103.6	572.0	0.0	0.0
75.00		100.9	430.1					2.0	134.0	102.9	564.2	0.0	0.0
78.00		93.5	422.3					2.1	134.0	95.5	556.4	0.0	0.0
80.60	Bot - Section 3	49.9	359.6					1.9	116.1	51.8	475.7	0.0	0.0
81.00	Appurtenance(s)	40.3	101.7	7.1	0.0	14.2	10.0	0.3	17.9	47.7	129.6	0.0	0.0
83.00	Appurtenance(s)	50.3	503.5	19.7	0.0	0.0	75.0	1.5	89.1	71.5	667.5	0.0	0.0
84.00		40.1	249.3					0.8	44.5	40.9	293.9	0.0	0.0
85.41	Top - Section 2	49.8	348.0					1.1	62.6	50.9	410.6	0.0	0.0
87.00		75.7	179.6					1.3	71.0	77.0	250.5	0.0	0.0
90.00		98.1	333.1					2.4	133.6	100.5	466.6	0.0	0.0
93.00		96.9	326.6					2.5	133.6	99.5	460.2	0.0	0.0
96.00		95.7	320.1					2.6	133.6	98.4	453.7	0.0	0.0
99.00		94.5	313.6					2.8	133.6	97.2	447.2	0.0	0.0
102.00		93.2	307.1					2.9	133.6	96.0	440.7	0.0	0.0
105.00	Appurtenance(s)	76.7	300.6	1.0	0.0	0.0	9.9	3.0	133.6	80.7	444.1	0.0	0.0
107.00	Appurtenance(s)	45.6	196.8	203.4	0.0	0.0	150.9	2.0	89.1	251.0	436.8	0.0	0.0
108.00		60.0	97.3					1.0	44.5	61.0	141.8	0.0	0.0
111.00		89.0	287.6					3.2	133.6	92.1	421.2	0.0	0.0
114.00		87.5	281.1					3.3	133.6	90.7	414.7	0.0	0.0
117.00		85.0	274.6					3.4	133.6	88.4	408.2	0.0	0.0
120.00		66.6	268.1					3.5	133.6	70.1	401.7	0.0	0.0

Load Case: 1.0D + 1.0W Serviceability 60 mph 29 Iterations

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

122.12	Bot - Section 4	35.3	185.8					14.8	109.2	50.1	294.9	0.0	0.0
123.00	Appurtenance(s)	44.1	122.3	373.6	0.0	0.0	2,500.0	6.2	45.1	423.9	2,667.4	0.0	0.0
125.89	Top - Section 3	35.1	395.8					20.3	148.4	55.4	544.2	0.0	0.0
126.00		35.7	5.9					0.8	5.9	36.6	11.8	0.0	0.0
129.00		68.2	152.3					21.3	154.3	89.5	306.6	0.0	0.0
132.00		44.9	148.4					21.5	154.3	66.3	302.7	0.0	0.0
133.00	Appurtenance(s)	33.1	48.6	808.7	0.0	0.0	3,674.8	7.2	51.4	849.0	3,774.8	0.0	0.0
135.00		54.4	95.9					14.4	85.0	68.8	180.9	0.0	0.0
138.00		53.7	140.6					21.8	127.5	75.4	268.1	0.0	0.0
140.00	Appurtenance(s)	29.5	91.6	958.0	0.0	0.0	4,071.5	14.6	85.0	1,002.1	4,248.1	0.0	0.0
141.00		32.9	45.1					0.0	28.4	32.9	73.6	0.0	0.0
144.00		40.6	132.8					0.0	85.3	40.6	218.1	0.0	0.0
146.00	Top - Section 4	20.3	86.4					0.0	56.9	20.3	143.2	0.0	0.0
147.00		12.9	82.8					0.0	28.4	12.9	111.3	0.0	0.0
149.00	Appurtenance(s)	12.3	165.7	814.2	0.0	838.5	3,419.1	0.0	56.9	826.5	3,641.7	0.0	0.0
150.00		14.9	82.8					0.0	4.9	14.9	87.8	0.0	0.0
153.00		18.7	248.5					0.0	14.8	18.7	263.3	0.0	0.0
155.00	Top - Section 5	9.2	165.7	92.6	0.0	0.7	579.2	0.0	9.8	101.8	754.7	0.0	0.0
156.00		6.6	7.6					0.0	4.9	6.6	12.6	0.0	0.0
159.00		10.0	22.9					0.0	14.8	10.0	37.7	0.0	0.0
162.00	Appurtenance(s)	9.6	22.9	1.2	0.0	0.0	40.5	0.0	14.8	10.8	78.2	0.0	0.0
165.00		4.6	22.9					0.0	0.0	4.6	22.9	0.0	0.0
								Totals:		8,102.22	44,673.0	0.00	0.00

Load Case: 1.0D + 1.0W Serviceability 60 mph 29 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	-44.67	-8.06	0.00	-841.44	0.00	841.44	4,665.07	1,225.36	5,729.16	4,709.48	0.00	0.00	0.188
3.00	-43.82	-7.98	0.00	-817.25	0.00	817.25	4,631.78	1,209.74	5,584.06	4,615.74	0.01	-0.03	0.187
6.00	-42.99	-7.90	0.00	-793.31	0.00	793.31	4,597.82	1,194.12	5,440.82	4,522.21	0.04	-0.06	0.185
9.00	-42.16	-7.82	0.00	-769.61	0.00	769.61	4,563.18	1,178.50	5,299.44	4,428.89	0.09	-0.10	0.183
12.00	-41.34	-7.74	0.00	-746.15	0.00	746.15	4,527.86	1,162.88	5,159.92	4,335.83	0.17	-0.13	0.181
15.00	-40.53	-7.66	0.00	-722.95	0.00	722.95	4,491.86	1,147.25	5,022.26	4,243.05	0.26	-0.16	0.179
18.00	-39.73	-7.58	0.00	-699.98	0.00	699.98	4,455.19	1,131.63	4,886.46	4,150.57	0.37	-0.20	0.178
21.00	-38.94	-7.50	0.00	-677.25	0.00	677.25	4,417.85	1,116.01	4,752.53	4,058.43	0.51	-0.23	0.176
24.00	-38.15	-7.42	0.00	-654.76	0.00	654.76	4,379.82	1,100.39	4,620.45	3,966.64	0.67	-0.27	0.174
27.00	-37.38	-7.34	0.00	-632.51	0.00	632.51	4,341.13	1,084.77	4,490.24	3,875.23	0.84	-0.30	0.172
30.00	-36.62	-7.26	0.00	-610.49	0.00	610.49	4,301.75	1,069.15	4,361.89	3,784.23	1.05	-0.34	0.170
33.00	-35.86	-7.18	0.00	-588.70	0.00	588.70	4,261.70	1,053.52	4,235.40	3,693.68	1.27	-0.37	0.168
36.00	-35.11	-7.10	0.00	-567.15	0.00	567.15	4,220.97	1,037.90	4,110.77	3,603.58	1.51	-0.41	0.166
39.00	-34.38	-7.04	0.00	-545.84	0.00	545.84	4,179.57	1,022.28	3,988.00	3,513.97	1.78	-0.44	0.164
40.10	-34.11	-7.00	0.00	-538.06	0.00	538.06	4,164.16	1,016.53	3,943.28	3,481.12	1.88	-0.46	0.163
42.00	-33.32	-6.93	0.00	-524.78	0.00	524.78	4,137.49	1,006.66	3,867.09	3,424.88	2.07	-0.48	0.161
45.00	-32.10	-6.87	0.00	-503.99	0.00	503.99	4,094.73	991.04	3,748.05	3,336.33	2.38	-0.52	0.159
45.90	-31.73	-6.83	0.00	-497.81	0.00	497.81	3,345.43	862.67	3,312.91	2,772.86	2.48	-0.53	0.189
48.00	-31.29	-6.77	0.00	-483.47	0.00	483.47	3,324.15	853.29	3,241.28	2,724.99	2.72	-0.55	0.187
50.00	-30.79	-6.71	0.00	-469.93	0.00	469.93	3,303.59	844.36	3,173.84	2,679.55	2.96	-0.58	0.185
51.00	-30.58	-6.65	0.00	-463.23	0.00	463.23	3,293.20	839.90	3,140.39	2,656.86	3.08	-0.59	0.184
54.00	-29.96	-6.56	0.00	-443.28	0.00	443.28	3,261.57	826.51	3,041.08	2,589.00	3.46	-0.63	0.180
57.00	-29.34	-6.48	0.00	-423.59	0.00	423.59	3,229.26	813.12	2,943.38	2,521.44	3.88	-0.67	0.177
60.00	-28.74	-6.39	0.00	-404.15	0.00	404.15	3,196.28	799.73	2,847.27	2,454.19	4.31	-0.71	0.174
63.00	-27.99	-6.27	0.00	-384.98	0.00	384.98	3,162.62	786.34	2,752.76	2,387.28	4.77	-0.75	0.170
66.00	-27.40	-6.18	0.00	-366.18	0.00	366.18	3,128.28	772.95	2,659.84	2,320.75	5.26	-0.80	0.167
69.00	-26.81	-6.09	0.00	-347.64	0.00	347.64	3,093.27	759.56	2,568.51	2,254.62	5.77	-0.84	0.163
72.00	-26.24	-5.99	0.00	-329.38	0.00	329.38	3,057.58	746.17	2,478.79	2,188.92	6.31	-0.88	0.159
75.00	-25.67	-5.90	0.00	-311.40	0.00	311.40	3,021.22	732.78	2,390.65	2,123.66	6.88	-0.92	0.155
78.00	-25.11	-5.81	0.00	-293.70	0.00	293.70	2,984.18	719.39	2,304.12	2,058.89	7.47	-0.96	0.151
80.60	-24.64	-5.76	0.00	-278.60	0.00	278.60	2,951.54	707.79	2,230.44	2,003.18	8.00	-0.99	0.147
81.00	-24.51	-5.72	0.00	-276.28	0.00	276.28	2,946.46	706.00	2,219.17	1,994.61	8.08	-1.00	0.147
83.00	-23.84	-5.64	0.00	-264.84	0.00	264.84	2,920.94	697.07	2,163.43	1,952.06	8.50	-1.03	0.144
84.00	-23.54	-5.60	0.00	-259.20	0.00	259.20	2,908.96	692.61	2,135.83	1,931.47	8.72	-1.04	0.142
85.41	-23.13	-5.55	0.00	-251.32	0.00	251.32	2,288.86	584.09	1,822.48	1,541.02	9.03	-1.06	0.173
87.00	-22.88	-5.48	0.00	-242.47	0.00	242.47	2,274.94	578.16	1,785.69	1,515.96	9.39	-1.08	0.170
90.00	-22.41	-5.39	0.00	-226.02	0.00	226.02	2,248.22	567.00	1,717.45	1,468.96	10.08	-1.12	0.164
93.00	-21.95	-5.30	0.00	-209.85	0.00	209.85	2,220.81	555.84	1,650.54	1,422.23	10.80	-1.17	0.158
96.00	-21.49	-5.21	0.00	-193.95	0.00	193.95	2,192.74	544.68	1,584.96	1,375.78	11.55	-1.21	0.151
99.00	-21.05	-5.12	0.00	-178.32	0.00	178.32	2,163.98	533.53	1,520.71	1,329.64	12.32	-1.25	0.144
102.00	-20.60	-5.03	0.00	-162.97	0.00	162.97	2,134.56	522.37	1,457.78	1,283.85	13.12	-1.29	0.137
105.00	-20.16	-4.95	0.00	-147.90	0.00	147.90	2,104.45	511.21	1,396.19	1,238.42	13.95	-1.33	0.129
107.00	-19.73	-4.69	0.00	-138.01	0.00	138.01	2,084.00	503.77	1,355.87	1,208.36	14.51	-1.36	0.124

Load Case: 1.0D + 1.0W Serviceability 60 mph 29 Iterations

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

108.00	-19.58	-4.64	0.00	-133.31	0.00	133.31	2,073.67	500.05	1,335.93	1,193.39	14.80	-1.37	0.121
111.00	-19.16	-4.55	0.00	-119.41	0.00	119.41	2,042.21	488.89	1,277.00	1,148.77	15.67	-1.41	0.113
114.00	-18.75	-4.46	0.00	-105.77	0.00	105.77	2,006.48	477.73	1,219.39	1,102.63	16.57	-1.45	0.105
117.00	-18.34	-4.37	0.00	-92.40	0.00	92.40	1,959.62	466.58	1,163.12	1,051.43	17.49	-1.48	0.097
120.00	-17.94	-4.29	0.00	-79.30	0.00	79.30	1,912.75	455.42	1,108.17	1,001.46	18.43	-1.51	0.089
122.12	-17.64	-4.24	0.00	-70.19	0.00	70.19	1,879.60	447.52	1,070.10	966.84	19.11	-1.53	0.082
123.00	-14.99	-3.75	0.00	-66.47	0.00	66.47	1,865.89	444.26	1,054.56	952.70	19.39	-1.54	0.078
125.89	-14.44	-3.68	0.00	-55.64	0.00	55.64	929.68	265.41	627.12	474.96	20.33	-1.56	0.133
126.00	-14.43	-3.65	0.00	-55.22	0.00	55.22	929.29	265.16	625.91	474.31	20.36	-1.56	0.132
129.00	-14.13	-3.56	0.00	-44.27	0.00	44.27	918.88	258.46	594.71	457.06	21.36	-1.60	0.112
132.00	-13.82	-3.49	0.00	-33.58	0.00	33.58	907.79	251.77	564.31	439.76	22.37	-1.63	0.092
133.00	-10.07	-2.54	0.00	-30.09	0.00	30.09	903.95	249.54	554.35	433.99	22.71	-1.64	0.081
135.00	-9.89	-2.47	0.00	-25.02	0.00	25.02	896.03	245.07	534.70	422.43	23.40	-1.65	0.070
138.00	-9.63	-2.39	0.00	-17.62	0.00	17.62	883.59	238.38	505.89	405.10	24.45	-1.67	0.054
140.00	-5.41	-1.26	0.00	-12.85	0.00	12.85	874.92	233.92	487.13	393.55	25.15	-1.68	0.039
141.00	-5.34	-1.23	0.00	-11.59	0.00	11.59	870.48	231.68	477.88	387.78	25.50	-1.69	0.036
144.00	-5.12	-1.18	0.00	-7.91	0.00	7.91	856.69	224.99	450.67	370.52	26.57	-1.70	0.027
146.00	-4.98	-1.16	0.00	-5.56	0.00	5.56	847.12	220.53	432.97	359.05	27.28	-1.70	0.021
146.00	-4.98	-1.16	0.00	-5.56	0.00	5.56	920.33	276.10	376.25	378.52	27.28	-1.70	0.020
147.00	-4.87	-1.14	0.00	-4.40	0.00	4.40	920.33	276.10	376.25	378.52	27.63	-1.70	0.017
149.00	-1.25	-0.20	0.00	-1.28	0.00	1.28	920.33	276.10	376.25	378.52	28.35	-1.71	0.005
150.00	-1.16	-0.19	0.00	-1.08	0.00	1.08	920.33	276.10	376.25	378.52	28.71	-1.71	0.004
153.00	-0.90	-0.16	0.00	-0.52	0.00	0.52	920.33	276.10	376.25	378.52	29.78	-1.71	0.002
155.00	-0.15	-0.04	0.00	-0.20	0.00	0.20	920.33	276.10	376.25	378.52	30.49	-1.71	0.001
155.00	-0.15	-0.04	0.00	-0.20	0.00	0.20	70.80	21.24	6.13	6.17	30.49	-1.71	0.034
156.00	-0.14	-0.03	0.00	-0.16	0.00	0.16	70.80	21.24	6.13	6.17	30.85	-1.71	0.028
159.00	-0.10	-0.02	0.00	-0.07	0.00	0.07	70.80	21.24	6.13	6.17	31.93	-1.74	0.013
162.00	-0.02	-0.01	0.00	-0.02	0.00	0.02	70.80	21.24	6.13	6.17	33.03	-1.75	0.003
165.00	0.00	0.00	0.00	0.00	0.00	0.00	70.80	21.24	6.13	6.17	34.13	-1.75	0.000

Equivalent Lateral Forces Method Analysis

Spectral Response Acceleration for Short Period (S_s):	0.18
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}):	0.19
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):	3.08
Redundancy Factor (p):	1.00
Seismic Force Distribution Exponent (k):	2.00
Total Unfactored Dead Load:	44.67 k
Seismic Base Shear (E):	1.34 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)
69	163.50	23	613	0.001	2	28
68	160.50	38	971	0.002	3	47
67	157.50	38	935	0.002	3	47
66	155.50	13	304	0.001	1	16
65	154.00	176	4,163	0.009	12	217
64	151.50	263	6,043	0.014	18	326
63	149.50	88	1,962	0.004	6	109
62	148.00	223	4,875	0.011	15	276
61	146.50	111	2,388	0.005	7	138
60	145.00	143	3,012	0.007	9	177
59	142.50	218	4,429	0.010	13	270
58	140.50	74	1,452	0.003	4	91
57	139.00	177	3,412	0.008	10	219
56	136.50	268	4,996	0.011	15	332
55	134.00	181	3,249	0.007	10	224
54	132.50	100	1,756	0.004	5	124
53	130.50	303	5,155	0.012	15	375
52	127.50	307	4,984	0.011	15	380
51	125.94	12	187	0.000	1	15
50	124.44	544	8,428	0.019	25	674
49	122.56	167	2,515	0.006	8	207
48	121.06	295	4,323	0.010	13	365
47	118.50	402	5,641	0.013	17	498
46	115.50	408	5,446	0.012	16	506
45	112.50	415	5,249	0.012	16	514

44	109.50	421	5,050	0.011	15	522
43	107.50	142	1,639	0.004	5	176
42	106.00	286	3,212	0.007	10	354
41	103.50	434	4,651	0.010	14	538
40	100.50	441	4,451	0.010	13	546
39	97.50	447	4,251	0.010	13	554
38	94.50	454	4,051	0.009	12	562
37	91.50	460	3,853	0.009	12	570
36	88.50	467	3,655	0.008	11	578
35	86.20	251	1,862	0.004	6	310
34	84.70	411	2,946	0.007	9	509
33	83.50	294	2,049	0.005	6	364
32	82.00	593	3,984	0.009	12	734
31	80.80	120	781	0.002	2	148
30	79.30	476	2,991	0.007	9	589
29	76.50	556	3,256	0.007	10	689
28	73.50	564	3,048	0.007	9	699
27	70.50	572	2,843	0.006	9	708
26	67.50	580	2,641	0.006	8	718
25	64.50	588	2,444	0.005	7	728
24	61.50	595	2,252	0.005	7	737
23	58.50	603	2,064	0.005	6	747
22	55.50	611	1,882	0.004	6	757
21	52.50	619	1,705	0.004	5	766
20	50.50	208	530	0.001	2	258
19	49.00	419	1,005	0.002	3	518
18	46.95	444	978	0.002	3	549
17	45.45	363	750	0.002	2	450
16	43.50	1,223	2,314	0.005	7	1,515
15	41.05	782	1,317	0.003	4	968
14	39.55	268	419	0.001	1	331
13	37.50	733	1,031	0.002	3	908
12	34.50	742	884	0.002	3	919
11	31.50	751	746	0.002	2	931
10	28.50	760	618	0.001	2	942
9	25.50	770	500	0.001	2	953
8	22.50	779	394	0.001	1	964
7	19.50	788	300	0.001	1	976
6	16.50	797	217	0.000	1	987
5	13.50	806	147	0.000	0	998
4	10.50	815	90	0.000	0	1,009
3	7.50	824	46	0.000	0	1,021
2	4.50	833	17	0.000	0	1,032
1	1.50	842	2	0.000	0	1,043
EMS RR90-17-02DP	162.00	41	1,063	0.002	3	50
Ericsson KRY 112 71/	155.00	79	1,903	0.004	6	98
Canister	155.00	500	12,013	0.027	36	619
Andrew ABT-DMDF-ADBH	149.00	1	24	0.000	0	1
Powerwave Allgon 702	149.00	7	147	0.000	0	8
Kathrein Scala 782-1	149.00	38	853	0.002	3	48
CCI DTMABP7819VG12A	149.00	115	2,558	0.006	8	143
Raycap DC6-48-60-18-	149.00	32	706	0.002	2	39
Ericsson RRUS 11 (Ba	149.00	150	3,330	0.007	10	186
Ericsson RRUS-12 800	149.00	180	3,996	0.009	12	223
Powerwave Allgon 777	149.00	105	2,331	0.005	7	130
KMW AM-X-CD-16-65-00	149.00	291	6,460	0.014	19	360
Generic Flat Platfor	149.00	2,500	55,503	0.124	166	3,097
RFS FDJ85020D7-S	140.00	70	1,376	0.003	4	87
Samsung Outdoor CBRS	140.00	56	1,094	0.002	3	69
Samsung B5/B13 RRH-B	140.00	211	4,134	0.009	12	261
Samsung B2/B66A RRH-	140.00	253	4,963	0.011	15	314
Swedcom SC 9012	140.00	60	1,176	0.003	4	74
Samsung CBRS 64T64R	140.00	225	4,410	0.010	13	279
Samsung MT6407-77A	140.00	245	4,798	0.011	14	303

RFS DB-T1-6Z-8AB-0Z	140.00	88	1,725	0.004	5	109
Commscope JAHH-65B-R	140.00	364	7,127	0.016	21	450
Generic Flat Platfor	140.00	2,500	49,000	0.110	147	3,097
Alcatel-Lucent 800 M	133.00	384	6,793	0.015	20	476
Alcatel-Lucent 1900	133.00	180	3,184	0.007	10	223
Alcatel-Lucent TD-RR	133.00	210	3,715	0.008	11	260
RFS APXVTM14-ALU-I20	133.00	169	2,982	0.007	9	209
Commscope NNVV-65B-R	133.00	232	4,107	0.009	12	288
Modified Platform w/	133.00	2,500	44,223	0.099	133	3,097
Generic Flat Platfor	123.00	2,500	37,823	0.085	113	3,097
Commscope LNX-6515DS	107.00	151	1,728	0.004	5	187
Kathrein Scala Smart	105.00	10	109	0.000	0	12
Stand-Off	83.00	75	517	0.001	2	93
Generic GPS	81.00	10	66	0.000	0	12
Stand-Off	63.00	150	595	0.001	2	186
Generic 2" x 4" GPS	50.00	5	13	0.000	0	6
Stand-Off	50.00	75	188	0.000	1	93
		44,673	447,080	1.000	1,340	55,333

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)
69	163.50	23	613	0.001	2	20
68	160.50	38	971	0.002	3	32
67	157.50	38	935	0.002	3	32
66	155.50	13	304	0.001	1	11
65	154.00	176	4,163	0.009	12	151
64	151.50	263	6,043	0.014	18	227
63	149.50	88	1,962	0.004	6	76
62	148.00	223	4,875	0.011	15	192
61	146.50	111	2,388	0.005	7	96
60	145.00	143	3,012	0.007	9	123
59	142.50	218	4,429	0.010	13	188
58	140.50	74	1,452	0.003	4	63
57	139.00	177	3,412	0.008	10	152
56	136.50	268	4,996	0.011	15	231
55	134.00	181	3,249	0.007	10	156
54	132.50	100	1,756	0.004	5	86
53	130.50	303	5,155	0.012	15	261
52	127.50	307	4,984	0.011	15	264
51	125.94	12	187	0.000	1	10
50	124.44	544	8,428	0.019	25	469
49	122.56	167	2,515	0.006	8	144
48	121.06	295	4,323	0.010	13	254
47	118.50	402	5,641	0.013	17	346
46	115.50	408	5,446	0.012	16	352
45	112.50	415	5,249	0.012	16	357
44	109.50	421	5,050	0.011	15	363
43	107.50	142	1,639	0.004	5	122
42	106.00	286	3,212	0.007	10	246
41	103.50	434	4,651	0.010	14	374
40	100.50	441	4,451	0.010	13	380
39	97.50	447	4,251	0.010	13	385
38	94.50	454	4,051	0.009	12	391
37	91.50	460	3,853	0.009	12	396
36	88.50	467	3,655	0.008	11	402
35	86.20	251	1,862	0.004	6	216
34	84.70	411	2,946	0.007	9	354
33	83.50	294	2,049	0.005	6	253
32	82.00	593	3,984	0.009	12	510

31	80.80	120	781	0.002	2	103
30	79.30	476	2,991	0.007	9	410
29	76.50	556	3,256	0.007	10	479
28	73.50	564	3,048	0.007	9	486
27	70.50	572	2,843	0.006	9	493
26	67.50	580	2,641	0.006	8	499
25	64.50	588	2,444	0.005	7	506
24	61.50	595	2,252	0.005	7	513
23	58.50	603	2,064	0.005	6	520
22	55.50	611	1,882	0.004	6	526
21	52.50	619	1,705	0.004	5	533
20	50.50	208	530	0.001	2	179
19	49.00	419	1,005	0.002	3	361
18	46.95	444	978	0.002	3	382
17	45.45	363	750	0.002	2	313
16	43.50	1,223	2,314	0.005	7	1,054
15	41.05	782	1,317	0.003	4	673
14	39.55	268	419	0.001	1	230
13	37.50	733	1,031	0.002	3	632
12	34.50	742	884	0.002	3	639
11	31.50	751	746	0.002	2	647
10	28.50	760	618	0.001	2	655
9	25.50	770	500	0.001	2	663
8	22.50	779	394	0.001	1	671
7	19.50	788	300	0.001	1	679
6	16.50	797	217	0.000	1	686
5	13.50	806	147	0.000	0	694
4	10.50	815	90	0.000	0	702
3	7.50	824	46	0.000	0	710
2	4.50	833	17	0.000	0	718
1	1.50	842	2	0.000	0	726
EMS RR90-17-02DP	162.00	41	1,063	0.002	3	35
Ericsson KRY 112 71/	155.00	79	1,903	0.004	6	68
Canister	155.00	500	12,013	0.027	36	431
Andrew ABT-DMDF-ADBH	149.00	1	24	0.000	0	1
Powerwave Allgon 702	149.00	7	147	0.000	0	6
Kathrein Scala 782-1	149.00	38	853	0.002	3	33
CCI DTMABP7819VG12A	149.00	115	2,558	0.006	8	99
Raycap DC6-48-60-18-	149.00	32	706	0.002	2	27
Ericsson RRUS 11 (Ba	149.00	150	3,330	0.007	10	129
Ericsson RRUS-12 800	149.00	180	3,996	0.009	12	155
Powerwave Allgon 777	149.00	105	2,331	0.005	7	90
KMW AM-X-CD-16-65-00	149.00	291	6,460	0.014	19	251
Generic Flat Platfor	149.00	2,500	55,503	0.124	166	2,153
RFS FDJ85020D7-S	140.00	70	1,376	0.003	4	60
Samsung Outdoor CBRS	140.00	56	1,094	0.002	3	48
Samsung B5/B13 RRH-B	140.00	211	4,134	0.009	12	182
Samsung B2/B66A RRH-	140.00	253	4,963	0.011	15	218
Swedcom SC 9012	140.00	60	1,176	0.003	4	52
Samsung CBRS 64T64R	140.00	225	4,410	0.010	13	194
Samsung MT6407-77A	140.00	245	4,798	0.011	14	211
RFS DB-T1-6Z-8AB-0Z	140.00	88	1,725	0.004	5	76
Commscope JAHH-65B-R	140.00	364	7,127	0.016	21	313
Generic Flat Platfor	140.00	2,500	49,000	0.110	147	2,153
Alcatel-Lucent 800 M	133.00	384	6,793	0.015	20	331
Alcatel-Lucent 1900	133.00	180	3,184	0.007	10	155
Alcatel-Lucent TD-RR	133.00	210	3,715	0.008	11	181
RFS APXVTM14-ALU-I20	133.00	169	2,982	0.007	9	145
Commscope NNVV-65B-R	133.00	232	4,107	0.009	12	200
Modified Platform w/	133.00	2,500	44,223	0.099	133	2,153
Generic Flat Platfor	123.00	2,500	37,823	0.085	113	2,153
Commscope LNX-6515DS	107.00	151	1,728	0.004	5	130
Kathrein Scala Smart	105.00	10	109	0.000	0	9
Stand-Off	83.00	75	517	0.001	2	65

Generic GPS	81.00	10	66	0.000	0	9
Stand-Off	63.00	150	595	0.001	2	129
Generic 2" x 4" GPS	50.00	5	13	0.000	0	4
Stand-Off	50.00	75	188	0.000	1	65
		44,673	447,080	1.000	1,340	38,481

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	-54.29	-1.34	0.00	-182.67	0.00	182.67	4,665.07	1,225.36	5,729.16	4,709.48	0.00	0.00	0.050
3.00	-53.26	-1.35	0.00	-178.64	0.00	178.64	4,631.78	1,209.74	5,584.06	4,615.74	0.00	-0.01	0.050
6.00	-52.24	-1.36	0.00	-174.59	0.00	174.59	4,597.82	1,194.12	5,440.82	4,522.21	0.01	-0.01	0.050
9.00	-51.23	-1.36	0.00	-170.53	0.00	170.53	4,563.18	1,178.50	5,299.44	4,428.89	0.02	-0.02	0.050
12.00	-50.23	-1.37	0.00	-166.45	0.00	166.45	4,527.86	1,162.88	5,159.92	4,335.83	0.04	-0.03	0.049
15.00	-49.24	-1.37	0.00	-162.35	0.00	162.35	4,491.86	1,147.25	5,022.26	4,243.05	0.06	-0.04	0.049
18.00	-48.27	-1.38	0.00	-158.23	0.00	158.23	4,455.19	1,131.63	4,886.46	4,150.57	0.08	-0.04	0.049
21.00	-47.30	-1.38	0.00	-154.10	0.00	154.10	4,417.85	1,116.01	4,752.53	4,058.43	0.11	-0.05	0.049
24.00	-46.35	-1.39	0.00	-149.96	0.00	149.96	4,379.82	1,100.39	4,620.45	3,966.64	0.15	-0.06	0.048
27.00	-45.41	-1.39	0.00	-145.80	0.00	145.80	4,341.13	1,084.77	4,490.24	3,875.23	0.19	-0.07	0.048
30.00	-44.47	-1.39	0.00	-141.64	0.00	141.64	4,301.75	1,069.15	4,361.89	3,784.23	0.23	-0.08	0.048
33.00	-43.55	-1.39	0.00	-137.46	0.00	137.46	4,261.70	1,053.52	4,235.40	3,693.68	0.28	-0.08	0.047
36.00	-42.65	-1.40	0.00	-133.28	0.00	133.28	4,220.97	1,037.90	4,110.77	3,603.58	0.34	-0.09	0.047
39.00	-42.31	-1.40	0.00	-129.09	0.00	129.09	4,179.57	1,022.28	3,988.00	3,513.97	0.40	-0.10	0.047
40.10	-41.35	-1.40	0.00	-127.55	0.00	127.55	4,164.16	1,016.53	3,943.28	3,481.12	0.42	-0.10	0.047
42.00	-39.83	-1.39	0.00	-124.90	0.00	124.90	4,137.49	1,006.66	3,867.09	3,424.88	0.46	-0.11	0.046
45.00	-39.38	-1.39	0.00	-120.73	0.00	120.73	4,094.73	991.04	3,748.05	3,336.33	0.54	-0.12	0.046
45.90	-38.83	-1.39	0.00	-119.48	0.00	119.48	3,345.43	862.67	3,312.91	2,772.86	0.56	-0.12	0.055
48.00	-38.31	-1.39	0.00	-116.56	0.00	116.56	3,324.15	853.29	3,241.28	2,724.99	0.61	-0.13	0.054
50.00	-37.96	-1.39	0.00	-113.78	0.00	113.78	3,303.59	844.36	3,173.84	2,679.55	0.67	-0.13	0.054
51.00	-37.19	-1.39	0.00	-112.39	0.00	112.39	3,293.20	839.90	3,140.39	2,656.86	0.69	-0.14	0.054
54.00	-36.43	-1.39	0.00	-108.22	0.00	108.22	3,261.57	826.51	3,041.08	2,589.00	0.78	-0.15	0.053
57.00	-35.69	-1.38	0.00	-104.06	0.00	104.06	3,229.26	813.12	2,943.38	2,521.44	0.88	-0.16	0.052
60.00	-34.95	-1.38	0.00	-99.91	0.00	99.91	3,196.28	799.73	2,847.27	2,454.19	0.98	-0.17	0.052
63.00	-34.04	-1.38	0.00	-95.76	0.00	95.76	3,162.62	786.34	2,752.76	2,387.28	1.09	-0.18	0.051
66.00	-33.32	-1.37	0.00	-91.63	0.00	91.63	3,128.28	772.95	2,659.84	2,320.75	1.20	-0.19	0.050
69.00	-32.61	-1.37	0.00	-87.52	0.00	87.52	3,093.27	759.56	2,568.51	2,254.62	1.32	-0.20	0.049
72.00	-31.91	-1.36	0.00	-83.41	0.00	83.41	3,057.58	746.17	2,478.79	2,188.92	1.45	-0.21	0.049
75.00	-31.22	-1.35	0.00	-79.33	0.00	79.33	3,021.22	732.78	2,390.65	2,123.66	1.58	-0.22	0.048
78.00	-30.63	-1.35	0.00	-75.27	0.00	75.27	2,984.18	719.39	2,304.12	2,058.89	1.72	-0.23	0.047
80.60	-30.48	-1.35	0.00	-71.76	0.00	71.76	2,951.54	707.79	2,230.44	2,003.18	1.85	-0.24	0.046
81.00	-29.74	-1.34	0.00	-71.22	0.00	71.22	2,946.46	706.00	2,219.17	1,994.61	1.87	-0.24	0.046
83.00	-29.28	-1.33	0.00	-68.55	0.00	68.55	2,920.94	697.07	2,163.43	1,952.06	1.97	-0.24	0.045
84.00	-28.77	-1.32	0.00	-67.22	0.00	67.22	2,908.96	692.61	2,135.83	1,931.47	2.02	-0.25	0.045
85.41	-28.46	-1.32	0.00	-65.37	0.00	65.37	2,288.86	584.09	1,822.48	1,541.02	2.10	-0.25	0.055
87.00	-27.88	-1.31	0.00	-63.27	0.00	63.27	2,274.94	578.16	1,785.69	1,515.96	2.18	-0.26	0.054
90.00	-27.31	-1.30	0.00	-59.35	0.00	59.35	2,248.22	567.00	1,717.45	1,468.96	2.35	-0.27	0.053
93.00	-26.75	-1.29	0.00	-55.46	0.00	55.46	2,220.81	555.84	1,650.54	1,422.23	2.52	-0.28	0.051
96.00	-26.20	-1.28	0.00	-51.60	0.00	51.60	2,192.74	544.68	1,584.96	1,375.78	2.70	-0.29	0.049
99.00	-25.65	-1.27	0.00	-47.77	0.00	47.77	2,163.98	533.53	1,520.71	1,329.64	2.89	-0.30	0.048
102.00	-25.11	-1.25	0.00	-43.97	0.00	43.97	2,134.56	522.37	1,457.78	1,283.85	3.09	-0.32	0.046
105.00	-24.74	-1.25	0.00	-40.21	0.00	40.21	2,104.45	511.21	1,396.19	1,238.42	3.29	-0.33	0.044
107.00	-24.38	-1.24	0.00	-37.71	0.00	37.71	2,084.00	503.77	1,355.87	1,208.36	3.43	-0.33	0.043
108.00	-23.86	-1.22	0.00	-36.48	0.00	36.48	2,073.67	500.05	1,335.93	1,193.39	3.50	-0.34	0.042
111.00	-23.35	-1.21	0.00	-32.82	0.00	32.82	2,042.21	488.89	1,277.00	1,148.77	3.71	-0.35	0.040
114.00	-22.84	-1.19	0.00	-29.20	0.00	29.20	2,006.48	477.73	1,219.39	1,102.63	3.93	-0.36	0.038
117.00	-22.34	-1.17	0.00	-25.63	0.00	25.63	1,959.62	466.58	1,163.12	1,051.43	4.16	-0.37	0.036

120.00	-21.98	-1.16	0.00	-22.10	0.00	22.10	1,912.75	455.42	1,108.17	1,001.46	4.39	-0.37	0.034
122.12	-21.77	-1.15	0.00	-19.64	0.00	19.64	1,879.60	447.52	1,070.10	966.84	4.56	-0.38	0.032
123.00	-18.00	-0.99	0.00	-18.63	0.00	18.63	1,865.89	444.26	1,054.56	952.70	4.63	-0.38	0.029
125.89	-17.99	-0.99	0.00	-15.77	0.00	15.77	929.68	265.41	627.12	474.96	4.86	-0.39	0.053
126.00	-17.61	-0.98	0.00	-15.65	0.00	15.65	929.29	265.16	625.91	474.31	4.87	-0.39	0.052
129.00	-17.23	-0.96	0.00	-12.72	0.00	12.72	918.88	258.46	594.71	457.06	5.12	-0.40	0.047
132.00	-17.11	-0.96	0.00	-9.84	0.00	9.84	907.79	251.77	564.31	439.76	5.38	-0.41	0.041
133.00	-12.33	-0.72	0.00	-8.88	0.00	8.88	903.95	249.54	554.35	433.99	5.46	-0.41	0.034
135.00	-12.00	-0.70	0.00	-7.45	0.00	7.45	896.03	245.07	534.70	422.43	5.64	-0.42	0.031
138.00	-11.78	-0.69	0.00	-5.34	0.00	5.34	883.59	238.38	505.89	405.10	5.90	-0.42	0.027
140.00	-6.65	-0.41	0.00	-3.96	0.00	3.96	874.92	233.92	487.13	393.55	6.08	-0.42	0.018
141.00	-6.38	-0.40	0.00	-3.55	0.00	3.55	870.48	231.68	477.88	387.78	6.17	-0.43	0.016
144.00	-6.20	-0.39	0.00	-2.36	0.00	2.36	856.69	224.99	450.67	370.52	6.44	-0.43	0.014
146.00	-6.07	-0.38	0.00	-1.59	0.00	1.59	847.12	220.53	432.97	359.05	6.62	-0.43	0.012
146.00	-6.07	-0.38	0.00	-1.59	0.00	1.59	920.33	276.10	376.25	378.52	6.62	-0.43	0.011
147.00	-5.79	-0.36	0.00	-1.21	0.00	1.21	920.33	276.10	376.25	378.52	6.71	-0.43	0.009
149.00	-1.45	-0.09	0.00	-0.49	0.00	0.49	920.33	276.10	376.25	378.52	6.89	-0.43	0.003
150.00	-1.12	-0.07	0.00	-0.40	0.00	0.40	920.33	276.10	376.25	378.52	6.98	-0.43	0.002
153.00	-0.90	-0.06	0.00	-0.17	0.00	0.17	920.33	276.10	376.25	378.52	7.25	-0.43	0.001
155.00	-0.17	-0.01	0.00	-0.05	0.00	0.05	920.33	276.10	376.25	378.52	7.43	-0.43	0.000
155.00	-0.17	-0.01	0.00	-0.05	0.00	0.05	70.80	21.24	6.13	6.17	7.43	-0.43	0.011
156.00	-0.13	-0.01	0.00	-0.04	0.00	0.04	70.80	21.24	6.13	6.17	7.52	-0.43	0.009
159.00	-0.08	-0.01	0.00	-0.02	0.00	0.02	70.80	21.24	6.13	6.17	7.79	-0.44	0.004
162.00	0.00	0.00	0.00	0.00	0.00	0.00	70.80	21.24	6.13	6.17	8.07	-0.44	0.000
165.00	0.00	0.00	0.00	0.00	0.00	0.00	70.80	21.24	6.13	6.17	8.35	-0.44	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	-37.76	-1.34	0.00	-178.16	0.00	178.16	4,665.07	1,225.36	5,729.16	4,709.48	0.00	0.00	0.046
3.00	-37.04	-1.35	0.00	-174.14	0.00	174.14	4,631.78	1,209.74	5,584.06	4,615.74	0.00	-0.01	0.046
6.00	-36.33	-1.35	0.00	-170.10	0.00	170.10	4,597.82	1,194.12	5,440.82	4,522.21	0.01	-0.01	0.046
9.00	-35.63	-1.35	0.00	-166.05	0.00	166.05	4,563.18	1,178.50	5,299.44	4,428.89	0.02	-0.02	0.045
12.00	-34.93	-1.36	0.00	-161.99	0.00	161.99	4,527.86	1,162.88	5,159.92	4,335.83	0.04	-0.03	0.045
15.00	-34.24	-1.36	0.00	-157.92	0.00	157.92	4,491.86	1,147.25	5,022.26	4,243.05	0.06	-0.04	0.045
18.00	-33.57	-1.36	0.00	-153.83	0.00	153.83	4,455.19	1,131.63	4,886.46	4,150.57	0.08	-0.04	0.045
21.00	-32.89	-1.37	0.00	-149.74	0.00	149.74	4,417.85	1,116.01	4,752.53	4,058.43	0.11	-0.05	0.044
24.00	-32.23	-1.37	0.00	-145.64	0.00	145.64	4,379.82	1,100.39	4,620.45	3,966.64	0.14	-0.06	0.044
27.00	-31.58	-1.37	0.00	-141.54	0.00	141.54	4,341.13	1,084.77	4,490.24	3,875.23	0.18	-0.07	0.044
30.00	-30.93	-1.37	0.00	-137.42	0.00	137.42	4,301.75	1,069.15	4,361.89	3,784.23	0.23	-0.07	0.044
33.00	-30.29	-1.37	0.00	-133.31	0.00	133.31	4,261.70	1,053.52	4,235.40	3,693.68	0.27	-0.08	0.043
36.00	-29.66	-1.37	0.00	-129.19	0.00	129.19	4,220.97	1,037.90	4,110.77	3,603.58	0.33	-0.09	0.043
39.00	-29.43	-1.37	0.00	-125.07	0.00	125.07	4,179.57	1,022.28	3,988.00	3,513.97	0.39	-0.10	0.043
40.10	-28.75	-1.37	0.00	-123.56	0.00	123.56	4,164.16	1,016.53	3,943.28	3,481.12	0.41	-0.10	0.042
42.00	-27.70	-1.37	0.00	-120.96	0.00	120.96	4,137.49	1,006.66	3,867.09	3,424.88	0.45	-0.11	0.042
45.00	-27.39	-1.37	0.00	-116.86	0.00	116.86	4,094.73	991.04	3,748.05	3,336.33	0.52	-0.11	0.042
45.90	-27.00	-1.36	0.00	-115.64	0.00	115.64	3,345.43	862.67	3,312.91	2,772.86	0.54	-0.12	0.050
48.00	-26.64	-1.36	0.00	-112.77	0.00	112.77	3,324.15	853.29	3,241.28	2,724.99	0.60	-0.12	0.049
50.00	-26.40	-1.36	0.00	-110.05	0.00	110.05	3,303.59	844.36	3,173.84	2,679.55	0.65	-0.13	0.049
51.00	-25.86	-1.36	0.00	-108.68	0.00	108.68	3,293.20	839.90	3,140.39	2,656.86	0.68	-0.13	0.049
54.00	-25.34	-1.36	0.00	-104.61	0.00	104.61	3,261.57	826.51	3,041.08	2,589.00	0.76	-0.14	0.048
57.00	-24.82	-1.35	0.00	-100.54	0.00	100.54	3,229.26	813.12	2,943.38	2,521.44	0.85	-0.15	0.048
60.00	-24.30	-1.35	0.00	-96.48	0.00	96.48	3,196.28	799.73	2,847.27	2,454.19	0.95	-0.16	0.047
63.00	-23.67	-1.34	0.00	-92.44	0.00	92.44	3,162.62	786.34	2,752.76	2,387.28	1.06	-0.17	0.046
66.00	-23.17	-1.34	0.00	-88.41	0.00	88.41	3,128.28	772.95	2,659.84	2,320.75	1.17	-0.18	0.046
69.00	-22.68	-1.33	0.00	-84.41	0.00	84.41	3,093.27	759.56	2,568.51	2,254.62	1.28	-0.19	0.045
72.00	-22.19	-1.32	0.00	-80.42	0.00	80.42	3,057.58	746.17	2,478.79	2,188.92	1.41	-0.20	0.044
75.00	-21.71	-1.32	0.00	-76.45	0.00	76.45	3,021.22	732.78	2,390.65	2,123.66	1.54	-0.21	0.043
78.00	-21.30	-1.31	0.00	-72.50	0.00	72.50	2,984.18	719.39	2,304.12	2,058.89	1.67	-0.22	0.042
80.60	-21.20	-1.31	0.00	-69.10	0.00	69.10	2,951.54	707.79	2,230.44	2,003.18	1.79	-0.23	0.042
81.00	-20.68	-1.29	0.00	-68.58	0.00	68.58	2,946.46	706.00	2,219.17	1,994.61	1.81	-0.23	0.041
83.00	-20.36	-1.29	0.00	-65.99	0.00	65.99	2,920.94	697.07	2,163.43	1,952.06	1.91	-0.24	0.041
84.00	-20.01	-1.28	0.00	-64.70	0.00	64.70	2,908.96	692.61	2,135.83	1,931.47	1.96	-0.24	0.040
85.41	-19.79	-1.27	0.00	-62.90	0.00	62.90	2,288.86	584.09	1,822.48	1,541.02	2.03	-0.25	0.049
87.00	-19.39	-1.26	0.00	-60.87	0.00	60.87	2,274.94	578.16	1,785.69	1,515.96	2.12	-0.25	0.049
90.00	-18.99	-1.25	0.00	-57.08	0.00	57.08	2,248.22	567.00	1,717.45	1,468.96	2.28	-0.26	0.047
93.00	-18.60	-1.24	0.00	-53.32	0.00	53.32	2,220.81	555.84	1,650.54	1,422.23	2.45	-0.27	0.046
96.00	-18.22	-1.23	0.00	-49.59	0.00	49.59	2,192.74	544.68	1,584.96	1,375.78	2.62	-0.28	0.044
99.00	-17.84	-1.22	0.00	-45.89	0.00	45.89	2,163.98	533.53	1,520.71	1,329.64	2.80	-0.29	0.043
102.00	-17.46	-1.21	0.00	-42.23	0.00	42.23	2,134.56	522.37	1,457.78	1,283.85	2.99	-0.31	0.041
105.00	-17.21	-1.20	0.00	-38.60	0.00	38.60	2,104.45	511.21	1,396.19	1,238.42	3.19	-0.32	0.039
107.00	-16.95	-1.19	0.00	-36.20	0.00	36.20	2,084.00	503.77	1,355.87	1,208.36	3.32	-0.32	0.038
108.00	-16.59	-1.17	0.00	-35.02	0.00	35.02	2,073.67	500.05	1,335.93	1,193.39	3.39	-0.33	0.037
111.00	-16.23	-1.16	0.00	-31.49	0.00	31.49	2,042.21	488.89	1,277.00	1,148.77	3.60	-0.34	0.035
114.00	-15.88	-1.14	0.00	-28.02	0.00	28.02	2,006.48	477.73	1,219.39	1,102.63	3.81	-0.34	0.033
117.00	-15.54	-1.13	0.00	-24.59	0.00	24.59	1,959.62	466.58	1,163.12	1,051.43	4.03	-0.35	0.031

120.00	-15.28	-1.11	0.00	-21.21	0.00	21.21	1,912.75	455.42	1,108.17	1,001.46	4.25	-0.36	0.029
122.12	-15.14	-1.11	0.00	-18.84	0.00	18.84	1,879.60	447.52	1,070.10	966.84	4.42	-0.37	0.028
123.00	-12.52	-0.95	0.00	-17.87	0.00	17.87	1,865.89	444.26	1,054.56	952.70	4.48	-0.37	0.025
125.89	-12.51	-0.95	0.00	-15.12	0.00	15.12	929.68	265.41	627.12	474.96	4.71	-0.38	0.045
126.00	-12.24	-0.94	0.00	-15.02	0.00	15.02	929.29	265.16	625.91	474.31	4.72	-0.38	0.045
129.00	-11.98	-0.92	0.00	-12.21	0.00	12.21	918.88	258.46	594.71	457.06	4.96	-0.39	0.040
132.00	-11.90	-0.92	0.00	-9.44	0.00	9.44	907.79	251.77	564.31	439.76	5.20	-0.39	0.035
133.00	-8.58	-0.69	0.00	-8.53	0.00	8.53	903.95	249.54	554.35	433.99	5.29	-0.40	0.029
135.00	-8.35	-0.67	0.00	-7.15	0.00	7.15	896.03	245.07	534.70	422.43	5.45	-0.40	0.026
138.00	-8.19	-0.66	0.00	-5.13	0.00	5.13	883.59	238.38	505.89	405.10	5.71	-0.41	0.022
140.00	-4.62	-0.39	0.00	-3.80	0.00	3.80	874.92	233.92	487.13	393.55	5.88	-0.41	0.015
141.00	-4.44	-0.38	0.00	-3.41	0.00	3.41	870.48	231.68	477.88	387.78	5.97	-0.41	0.014
144.00	-4.31	-0.37	0.00	-2.27	0.00	2.27	856.69	224.99	450.67	370.52	6.22	-0.41	0.011
146.00	-4.22	-0.36	0.00	-1.53	0.00	1.53	847.12	220.53	432.97	359.05	6.40	-0.42	0.009
146.00	-4.22	-0.36	0.00	-1.53	0.00	1.53	920.33	276.10	376.25	378.52	6.40	-0.42	0.009
147.00	-4.03	-0.35	0.00	-1.17	0.00	1.17	920.33	276.10	376.25	378.52	6.49	-0.42	0.007
149.00	-1.01	-0.09	0.00	-0.47	0.00	0.47	920.33	276.10	376.25	378.52	6.66	-0.42	0.002
150.00	-0.78	-0.07	0.00	-0.38	0.00	0.38	920.33	276.10	376.25	378.52	6.75	-0.42	0.002
153.00	-0.63	-0.06	0.00	-0.17	0.00	0.17	920.33	276.10	376.25	378.52	7.01	-0.42	0.001
155.00	-0.12	-0.01	0.00	-0.05	0.00	0.05	920.33	276.10	376.25	378.52	7.18	-0.42	0.000
155.00	-0.12	-0.01	0.00	-0.05	0.00	0.05	70.80	21.24	6.13	6.17	7.18	-0.42	0.010
156.00	-0.09	-0.01	0.00	-0.04	0.00	0.04	70.80	21.24	6.13	6.17	7.27	-0.42	0.008
159.00	-0.05	-0.01	0.00	-0.02	0.00	0.02	70.80	21.24	6.13	6.17	7.54	-0.43	0.003
162.00	0.00	0.00	0.00	0.00	0.00	0.00	70.80	21.24	6.13	6.17	7.80	-0.43	0.000
165.00	0.00	0.00	0.00	0.00	0.00	0.00	70.80	21.24	6.13	6.17	8.07	-0.43	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	34.86	0.00	53.56	0.00	0.00	3674.70	45.90	0.80
0.9D + 1.0W	34.85	0.00	40.16	0.00	0.00	3607.54	45.90	0.78
1.2D + 1.0Di + 1.0Wi	7.80	0.00	85.85	0.00	0.00	933.64	45.90	0.23
1.2D + 1.0Ev + 1.0Eh	1.34	0.00	54.29	0.00	0.00	182.67	85.41	0.05
0.9D - 1.0Ev + 1.0Eh	1.34	0.00	37.76	0.00	0.00	178.16	45.90	0.05
1.0D + 1.0W	8.06	0.00	44.67	0.00	0.00	841.44	45.90	0.19

Flange Plate Analysis

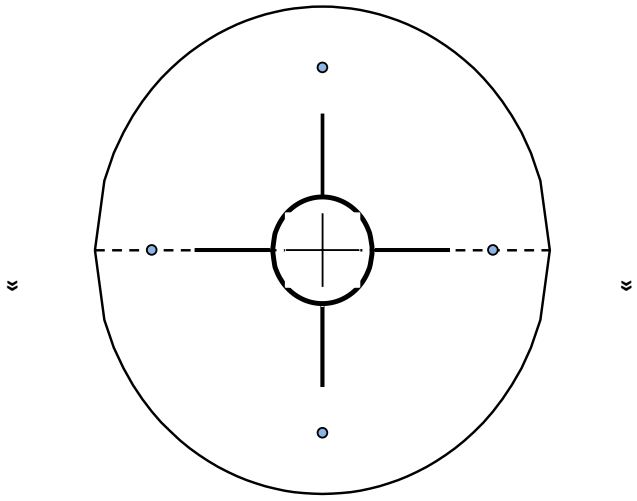
Flange Plate			
	Plate Type	***Flange***	***@ 155 ft***
	Pole Diameter	3.5	in
	Pole Thickness	0.218	in
	Plate Diameter	16	in
	Plate Thickness	0.75	in
	Plate Fy	36	ksi
	Weld Length	0.1875	in
	f_s Resistance	174.52	k-in
	Applied	3.06	k-in

Code Rev.	***H***		
Moment	0.9 k-ft		
Axial	0.2 k		

Date	5/10/2021
Engineer	SW Nedrud
Site #	302495
Carrier	Verizon Wireless

Stiffeners			
	#	***4***	***Show***
	Thickness	0.5	in
	Length	3	in
	Height	6	in
	Chamfer	0.5	in
	Offset Angle	45	°
	Fy	36	ksi

Bolts			
	#	***4***	
	Bolt Circle	12	in
	(R)adial / (S)quare	R	
	Bolt Gap	6	in
	Diameter	0.625	in
	Hole Diameter	0.75	in
	Type	A325	
	Fy	92	ksi
	Fu	120	ksi
	f_s Resistance	20.34	k
	Applied	0.83	k



Reinforcement			
	#		

Plate Stress Ratio:

2%	Pass

Bolt Stress Ratio:

4%	Pass

Extra Bolts			
	#		

Flange Plate Analysis

Flange Plate

Plate Type	***Flange***	***@ 146 ft***
Pole Diameter	16	in
Pole Thickness	0.5	in
Plate Diameter	28.5	in
Plate Thickness	1.5	in
Plate Fy	60	ksi
Weld Length	0.3125	in
f_s Resistance	127.23	k-in
Applied	13.42	k-in

Code Rev.	***H***
Moment	24.5 k-ft
Axial	5.4 k

Required Flange Thickness:
0.49 in OK

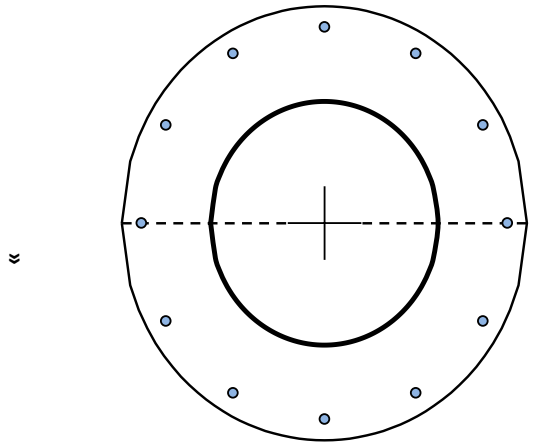
Date	5/10/2021
Engineer	SW Nedrud
Site #	302495
Carrier	Verizon Wireless

Stiffeners

#	

Bolts

#	***12***	
Bolt Circle	25.75	in
(R)adial / (S)quare	R	
Bolt Gap	6	in
Diameter	1	in
Hole Diameter	1.125	in
Type	A325	
Fy	92	ksi
Fu	120	ksi
f_s Resistance	54.52	k
Applied	3.35	k



Reinforcement

#	

Plate Stress Ratio:
11% Pass

Bolt Stress Ratio:
6% Pass

Extra Bolts

#	

Base Plate & Anchor Rod Analysis

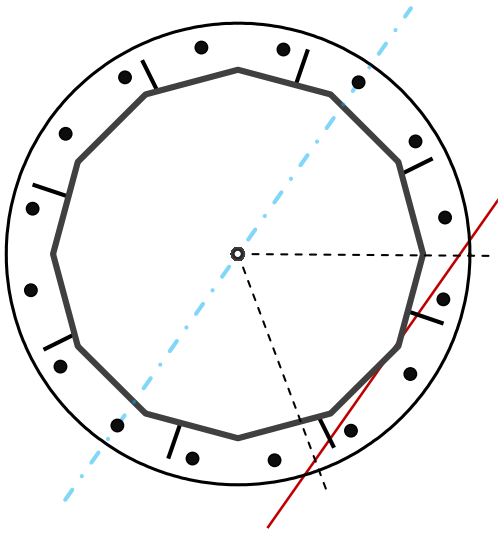
Pole Dimensions		
Number of Sides	12	-
Diameter	50	in
Thickness	0.4375	in
Orientation Offset	0	°

Base Reactions		
Moment, Mu	3674.7	k-ft
Axial, Pu	53.6	k
Shear, Vu	34.9	k
Neutral Axis	235	°

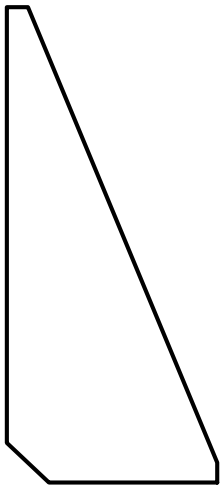
Report Capacities		
Component	Capacity	Result
Base Plate	45%	Pass
Anchor Rods	82%	Pass
Dwyidag	-	-

Base Plate		
Shape	Round	-
Diameter, ø	65	in
Thickness	2	in
Grade	A572-60	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Clip	N/A	in
Orientation Offset	0	°
Anchor Rod Detail	c	η=0.55
Clear Distance	N/A	in
Applied Moment, Mu	1044.1	k
Bending Stress, ϕMn	2309.6	k

Original Anchor Rods		
Arrangement	Radial	-
Quantity	16	-
Diameter, ø	2 1/4	in
Bolt Circle	59	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	11.6	in
Orientation Offset	10	°
Applied Force, Pu	197.9	k
Anchor Rods, ϕPn	243.6	k



Stiffeners		
Arrangement	Radial	-
Quantity	8	-
Height	12	in
Width	5	in
Effective Width	5.000	in
Thickness	3/4	in
Effective Thickness	0.460	in
Notch	1	in
Flat Edge	0.5	in
Grade	A36	-
Yield Strength, Fy	36	ksi
Tensile Strength, Fu	58	ksi
Horizontal Weld	Fillet	
Horizontal Fillet Size	5/16	in
Bevel Depth	0	in
Vertical Weld	Fillet	
Vertical Fillet Size	1/4	in
Weld Strength	70	ksi
Electrode Coefficient	1	-
Orientation Offset	3.75	°
Vertical Weld, ϕRn	133.9	k
Horz. Weld, ϕRn	73.9	k
Ten. Capacity, ϕTn	97.2	k
Comp. Capacity, ϕPn	230.5	k



Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	34.9	3674.7	1.00
Anchor Rod Forces	34.9	3674.7	1.00
Additional Bolt (Grp1) Forces	0.0	0.0	0.00
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	0.0	0.00
Stiffener Forces	6.8	718.7	0.20

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in^2	in^2	in^4	#	in^4
Pole	67.3455	5.6121	0.3596		20683.11
Bolt	3.9761	3.2477	0.8393	4.5	20840.15
Bolt1	0.0000	0.0000	0.0000	0	0.00
Bolt2	0.0000	0.0000	0.0000	0	0.00
Dywidag	0.0000	0.0000	0.0000		0.00
Stiffener	1.8400	1.6560	19.1667		5028.73

Base Plate		
Shape	Round	-
Diameter, D	65	in
Thickness, t	2	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Base Plate Chord	41.533	in
Detail Type	c	-
Detail Factor	0.55	-
Clear Distance	N/A	-

External Base Plate		
Chord Length AA	35.633	in
Additional AA	7.138	in
Section Modulus, Z	42.771	in^3
Applied Moment, Mu	1044.1	k-ft
Bending Capacity, ϕMn	2309.6	k-ft
Capacity, Mu/ϕMn	0.452	OK
Chord Length AB	33.005	in
Additional AB	5.370	in
Section Modulus, Z	38.375	in^3
Applied Moment, Mu	545.4	k-ft
Bending Capacity, ϕMn	2072.2	k-ft
Capacity, Mu/ϕMn	0.263	OK
Bend Line Length	37.322	in
Additional Bend Line	43.680	in
Section Modulus, Z	81.002	in^3
Applied Moment, Mu	1044.1	k-ft
Bending Capacity, ϕMn	4374.1	k-ft
Capacity, Mu/ϕMn	0.239	OK

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

Anchor Rods		
Anchor Rod Quantity, N	16	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	59	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	197.9	k
Applied Shear, Vu	1.3	k
Compressive Capacity, ϕPn	243.6	k
Tensile Capacity, ϕRnt	0.813	OK
Interaction Capacity	0.822	OK

Base Plate Stiffeners		
Applied Axial Force, Pu	76.3	k
Applied Horizontal Force, Vu	0.43	k

Vertical Weld		
Vert.-to-Stiffener a=e_x/l	0.139	-
Spacing Ratio, k	0.063	-
Weld Coefficient, C	3.720	-
Compressive Capacity, ϕPn	133.9	k
Vert.-to-Plate a=e_x/l	0.333	-
Spacing Ratio, k	0.063	-
Weld Coefficient, C	2.940	-
Shear Capacity, ϕVn	105.8	k
$P_u/\phi_P P_n + V_u/\phi_V V_n$	0.574	OK

Horizontal Weld		
Horz.-to-Stiffener a=e_x/l	0.167	-
Spacing Ratio, k	0.150	-
Weld Coefficient, C	3.940	-
Effective Fillet	0.313	in
Compressive Capacity, ϕPn	73.9	k
Horz.-to-Pole a=e_x/l	0.400	-
Spacing Ratio, k	0.150	-
Weld Coefficient, C	2.670	-
Shear Capacity, ϕVn	50.1	k
$P_u/\phi_P P_n + V_u/\phi_V V_n$	1.041	OK

Plate Tension		
Gross Cross Section	1.840	in^2
Net Cross Section	1.656	in^2
Tensile Capacity, ϕTn	97.2	k
Capacity, Tu/ϕTn	0.392	OK

Plate Compression		
Radius of Gyration	0.133	in^3
kl/r	54.22	-
4.71 √(E/Fy)	133.68	-
Buckling Stress(Fe)	97.4	-
Crit. Buckling Stress(Fcr)	85.4	ksi
Compressive Capacity, ϕPn	230.5	k
Capacity, Pu/ϕPn	0.165	OK

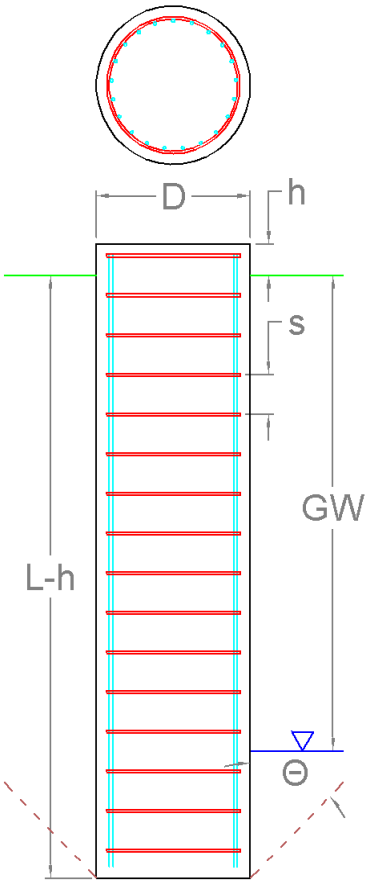
Pier Foundation Analysis (ANSI/TIA-222-H)

Foundation Analysis Parameters			
Pier Diameter	*D*	7.00	ft
Pier Embedment	*L-h*	30.0	ft
Pier Height above Ground	*H*	1.00	ft
Water Table Depth [BGL]	*GW*	3	ft
Pullout Angle	Θ	30	°
Unit Weight of Concrete		150	pcf
Uplift Skin Friction Factor		0.750	

Reactions		
Moment, M_u	3,674.7	k-ft
Shear, V_u	34.9	k
Axial, P_u	53.6	k
Uplift, T_u	0.0	k

Soil Properties

Layer Depth (ft)		Unit Weight	Cohesion	Friction Angle	Ultimate Skin Friction	Ultimate Bearing Pressure
TOP	BTM	pcf	psf	°	psf	psf
0.0	3.0	105	0	0	0	0
3.0	5.0	127	0	37	0	0
5.0	10.0	133	0	40	832	0
10.0	31.0	137	0	40	1,668	57,156



Soil Strength Capacities		
Volume of Concrete	1,193.0	ft^3
Weight of Concrete [Buoyancy Considered]	114.1	k
Average Soil Unit Weight	76.3	pcf
Skin Friction Resistance	825.1	k
Compressive Bearing Resistance	2,199.6	k
Pullout Weight [Minus Concrete Weight]	1,155.1	k
Compressive Force, P_u	77.9	k
Nominal Compressive Capacity, $\phi_s P_n$	2,268.6	k
$P_u / \phi_s P_n$	**3.4%**	
Total Lateral Resistance	2,862.4	k
Inflection Point [BGL]	21.1	ft
Moment at Inflection Point, M_D	4,446.1	k-ft
Nominal Moment Capacity, $\phi_s M_n$	12,536.4	k-ft
$M_D / \phi_s M_n$	**35.5%**	

Pier Strength Capacities			
Concrete Compressive Strength, f'_c		4,000	psi
Rebar Size #		11	
Rebar Area (Single)		1.56	in^2
Rebar Quantity		18	
Rebar Yield Strength, F_y		60	ksi
Vertical Rebar Clear Cover		3	in
Tie Rebar Size #		5	
Tie Rebar Area (Single)		0.31	in^2
Tie Rebar Spacing	*s*	12.0	in
Tie Rebar Yield Strength, F_y		60	ksi
Rebar Cage Diameter		75.34	in
Strength Bending/Tension Reduction Factor, ϕ_B		0.90	
Strength Shear Reduction Factor, ϕ_V		0.75	
Strength Compression Reduction Factor, ϕ_C		0.65	
Steel Elastic Modulus		29,000	ksi
Design Moment, M_u		3,713.3	k-ft
Moment Capacity, $\phi_B M_n$		4,659.9	k-ft
$M_u / \phi_B M_n$		**79.7%**	
Design Shear, V_u		316.5	k
Shear Capacity, $\phi_V V_n$		684.5	k
$V_u / \phi_V V_n$		**46.2%**	
Design Compression, P_u		77.9	k
Compression Capacity, $\phi_P P_n$		10,624.3	k
$P_u / \phi_P P_n$		**0.7%**	
Bending Reinforcement Ratio		0.005	

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Antenna Mount Analysis Report and PMI Requirements

Mount Re-Analysis-VZW

SMART Tool Project #: 10101664
Maser Consulting Connecticut Project #: 21777478A

September 10, 2021

Site Information	*Site ID:*	*468468-VZW / TOLLAND CT*
	Site Name:	*TOLLAND CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*5 Ruops Road* *Tolland, Connecticut 06084* *Tolland County*
	Latitude:	*41.873319°*
	Longitude:	*-72.338283°*
Structure Information	*Tower Type:*	*150-Ft Monopole*
	Mount Type:	*11.00-Ft Platform*

FUZE ID # 16272063

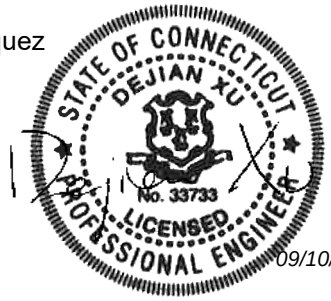
Analysis Results

Platform: **95.8% Pass***

*Results valid after changes noted in the PMI Requirements.

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

Report Prepared By: Abigail Enriquez



09/10/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 324969, dated March 15, 2021*
Mount Mapping Report	*Hudson Design Group, LLC., Site ID: 468468, dated March 30, 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:	0.975
Seismic Parameters:	S_S:	0.181
	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
136.92	140.00	3	Samsung	MT6407-77A	Added
		6	Commscope	JAHH-65B-R3B	Retained
		3	Samsung	XXDWMM-12.5-65-8T-CBRS	
		4	RFS	APL868013-42TO	
		6	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	Raycap	RRFDC-3315-PF-48	
		2	Swedcom	SC-9012	

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

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

Standard Conditions:

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

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Bracing	*63.9%*	*Pass*
Mount Pipe	*1.8%*	*Pass*
Ladder Rungs	*25.6%*	*Pass*
Ladder	*95.8%*	*Pass*
Standoff Horizontal	*18.0%*	*Pass*
Corner Plate	*16.9%*	*Pass*
Support Rail	*70.0%*	*Pass*
Face Horizontal	*41.1%*	*Pass*
Connection Check	*48.5%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**95.8%**

Recommendation:

The existing mount is **SUFFICIENT** for the final loading configuration upon the completion of the recommendations listed in the Special Instructions section of the below referenced PMI document.

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

Attachments:

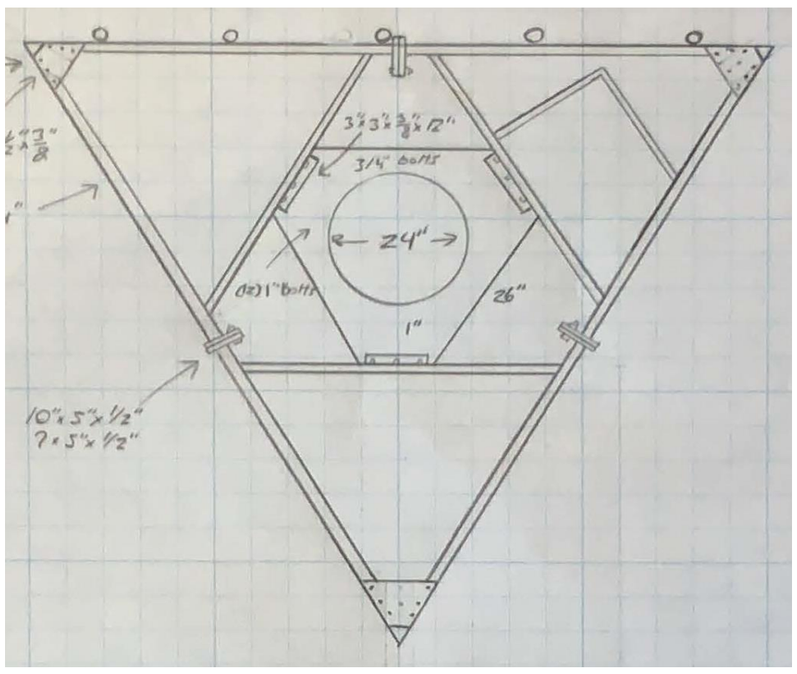
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

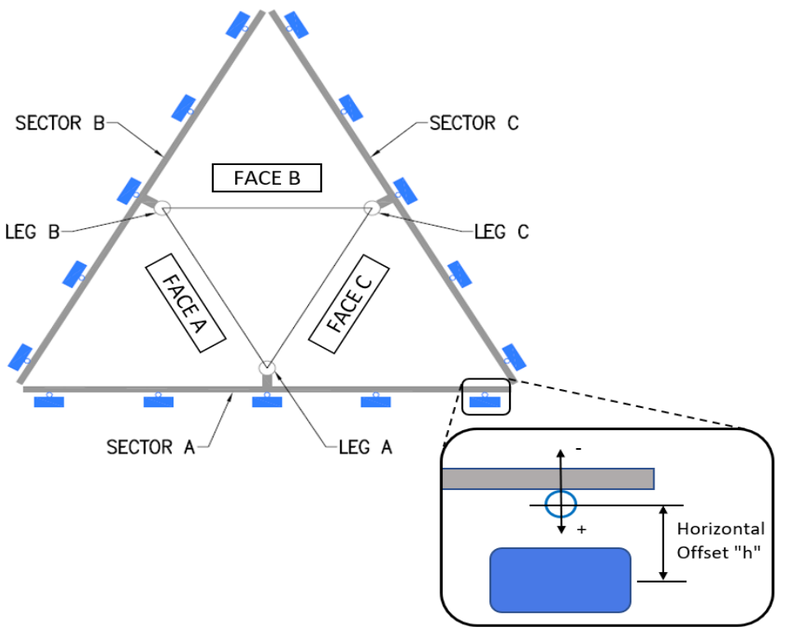
FCC #

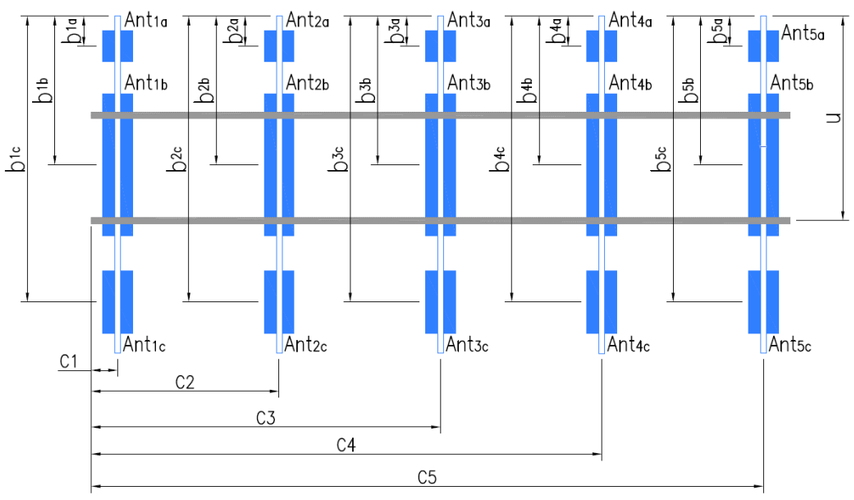
Tower Owner:	AMERICAN TOWER	**Mapping Date:**	3/30/2021
Site Name:	TOLLAND CT	**Tower Type:**	Monopole
Site Number or ID:	468468	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	140.75



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" STD. PIPE X 80" LONG	56.00	12.00	C1	2" STD. PIPE X 80" LONG	56.00	12.00
A2	2" STD. PIPE X 72" LONG	56.00	35.00	C2	2" STD. PIPE X 72" LONG	56.00	35.00
A3	2" STD. PIPE X 80" LONG	56.00	65.00	C3	2" STD. PIPE X 80" LONG	56.00	65.00
A4	2" STD. PIPE X 80" LONG	56.00	100.00	C4	2" STD. PIPE X 80" LONG	56.00	100.00
A5	2" STD. PIPE X 80" LONG	56.00	118.00	C5	2" STD. PIPE X 80" LONG	56.00	118.00
A6				C6			
B1	2" STD. PIPE X 80" LONG	56.00	12.00	D1			
B2	2" STD. PIPE X 72" LONG	56.00	35.00	D2			
B3	2" STD. PIPE X 80" LONG	56.00	65.00	D3			
B4	2" STD. PIPE X 80" LONG	56.00	100.00	D4			
B5	2" STD. PIPE X 80" LONG	56.00	118.00	D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							19.50
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							5
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							5
Please enter additional infomation or comments below.							
Tower Face Width at Mount Elev. (ft.):				Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):			24



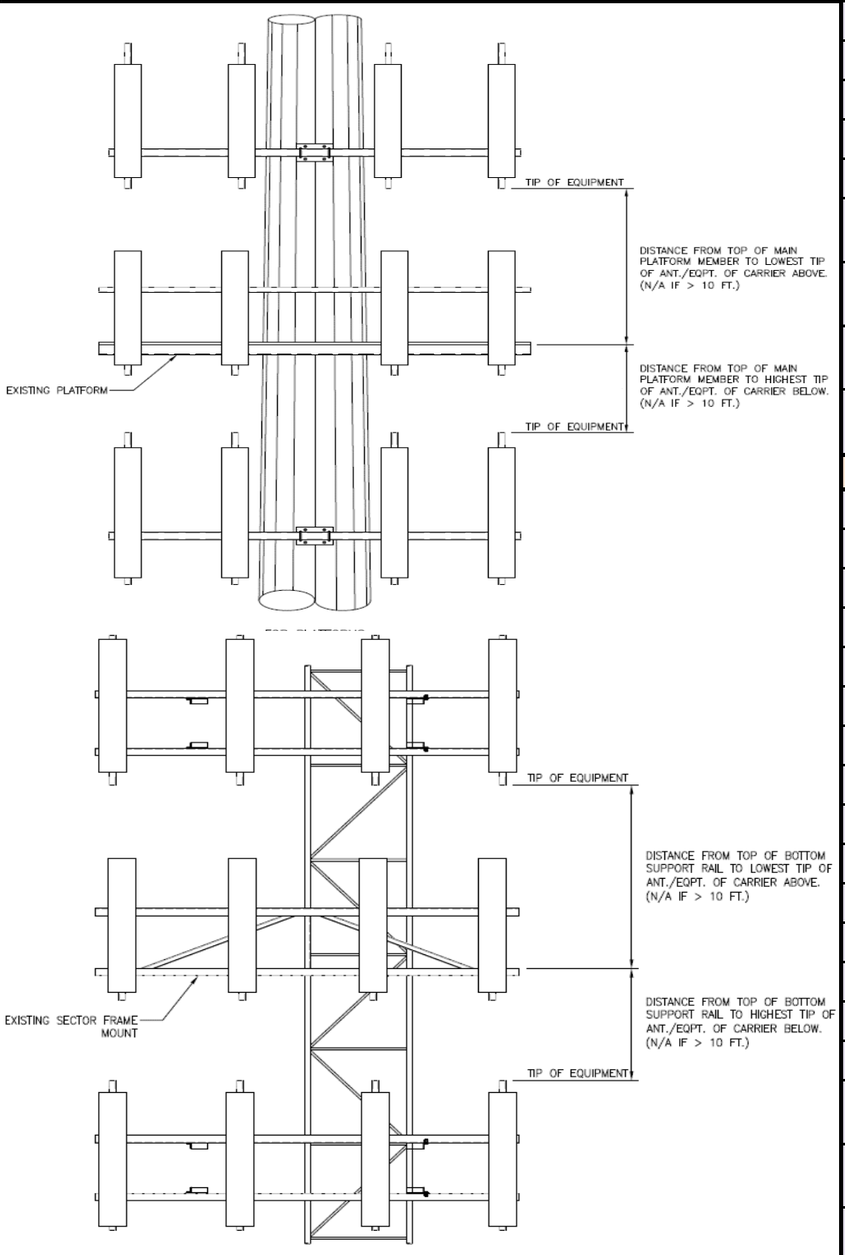


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	SC 9012	6.50	8.00	43.00		141.542	27.00	9.50	35.00	56,92
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	RT4401-48A	8.00	5.00	13.50		141.292	30.00	9.50	35.00	57,92
Ant_{2c}										
Ant_{3a}	(2) CBC78T-DS-43-2X	7.00	5.00	6.50		143.375	5.00	-7.50		68,93
Ant_{3b}	(2) JAHH-65B-R3B	14.00	9.00	72.00		140.792	36.00	13.00	35.00	67,93
Ant_{3c}										
Ant_{4a}	RFV01U-D1A	15.50	10.00	15.50		143.292	6.00	8.00		84,95
Ant_{4b}	RFV01U-D2A	15.50	12.00	15.50		143.292	6.00	-9.50		85,95
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	SC 9012	6.50	8.00	43.00		141.792	24.00	9.50	35.00	56,96
Ant_{5c}										
Ant on Standoff	(2) RRFDC-3315-PF-48	15.00	10.00	28.00						108-113
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	10.00	Deg	Leg A:		Deg
Sector B:	130.00	Deg	Leg B:		Deg
Sector C:	250.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	155.00 Deg	N/A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	APL868013-42TO	6.50	8.00	48.00		141.542	27.00	9.50	130.00	87,97
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	RT4401-48A	8.00	5.00	13.50		141.292	30.00	9.50	160.00	57,98
Ant_{2c}										
Ant_{3a}	(2) CBC78T-DS-43-2X	7.00	5.00	6.50		143.375	5.00	-7.50		68,99
Ant_{3b}	(2) JAHH-65B-R3B	14.00	9.00	72.00		140.792	36.00	13.00	160.00	67,99
Ant_{3c}										
Ant_{4a}	RFV01U-D1A	15.50	10.00	15.50		143.292	6.00	8.00		84,100
Ant_{4b}	RFV01U-D2A	15.50	12.00	15.50		143.292	6.00	-9.50		85,100
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	APL868013-42TO	6.50	8.00	48.00		141.542	27.00	9.50	160.00	87,101
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	APL868013-42TO	6.50	8.00	48.00		141.542	27.00	9.50	250.00	87,102
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	RT4401-48A	8.00	5.00	13.50		141.292	30.00	9.50	250.00	57,103
Ant_{2c}										
Ant_{3a}	(2) CBC78T-DS-43-2X	7.00	5.00	6.50		143.375	5.00	-7.50		68,105
Ant_{3b}	(2) JAHH-65B-R3B	14.00	9.00	72.00		140.792	36.00	13.00	250.00	67,105
Ant_{3c}										
Ant_{4a}	RFV01U-D1A	15.50	10.00	15.50		143.292	6.00	8.00		84,106
Ant_{4b}	RFV01U-D2A	15.50	12.00	15.50		143.292	6.00	-9.50		85,106
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	APL868013-42TO	6.50	8.00	48.00		141.542	27.00	9.50	250.00	87,107
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2	(12) 1-5/8"Ø COAX, (2) 1-1/4"Ø HYBRID	134-141
3		
4		
5		
6		
7		
8		

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

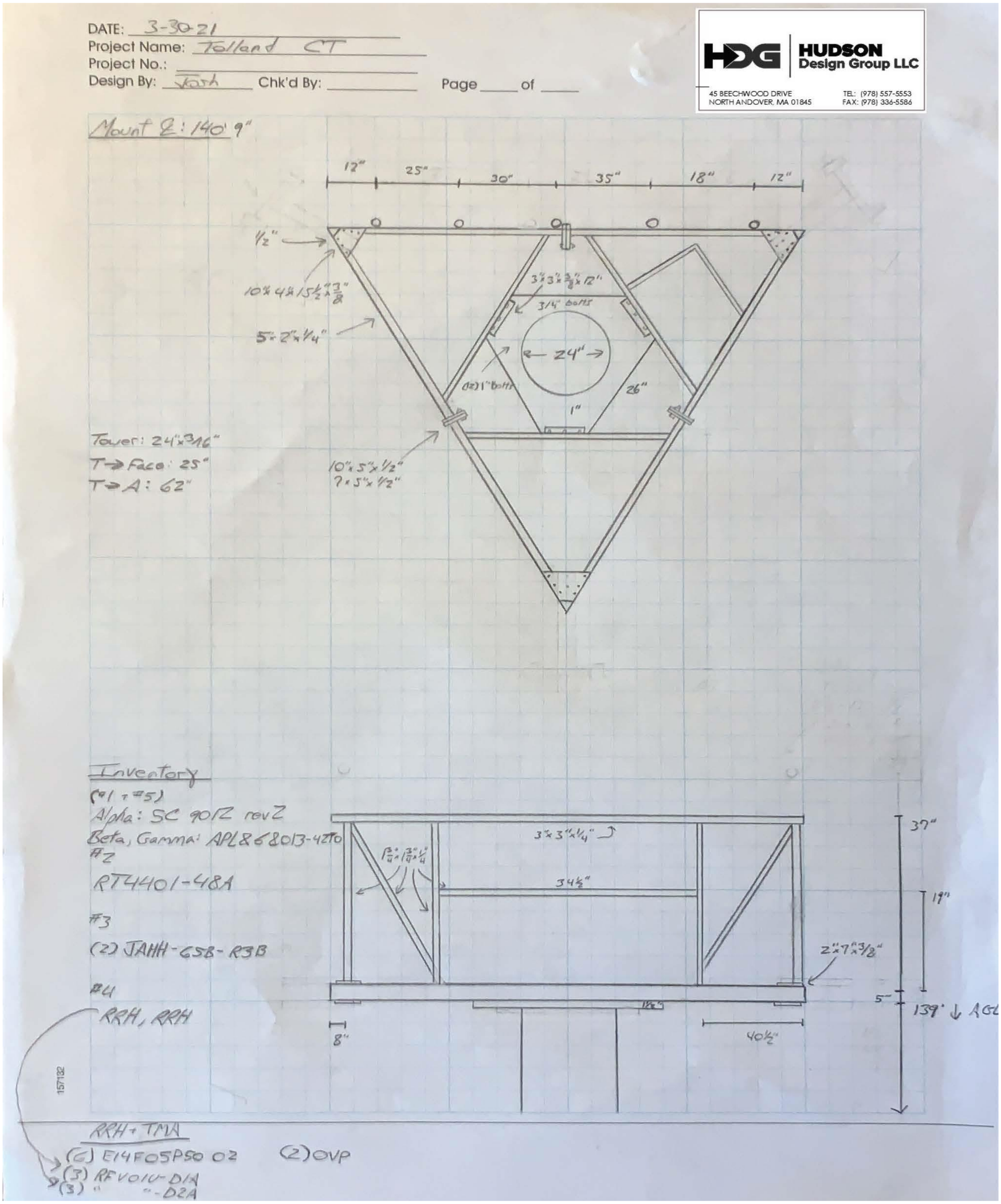
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

Antenna Mount Mapping Form (PATENT PENDING)

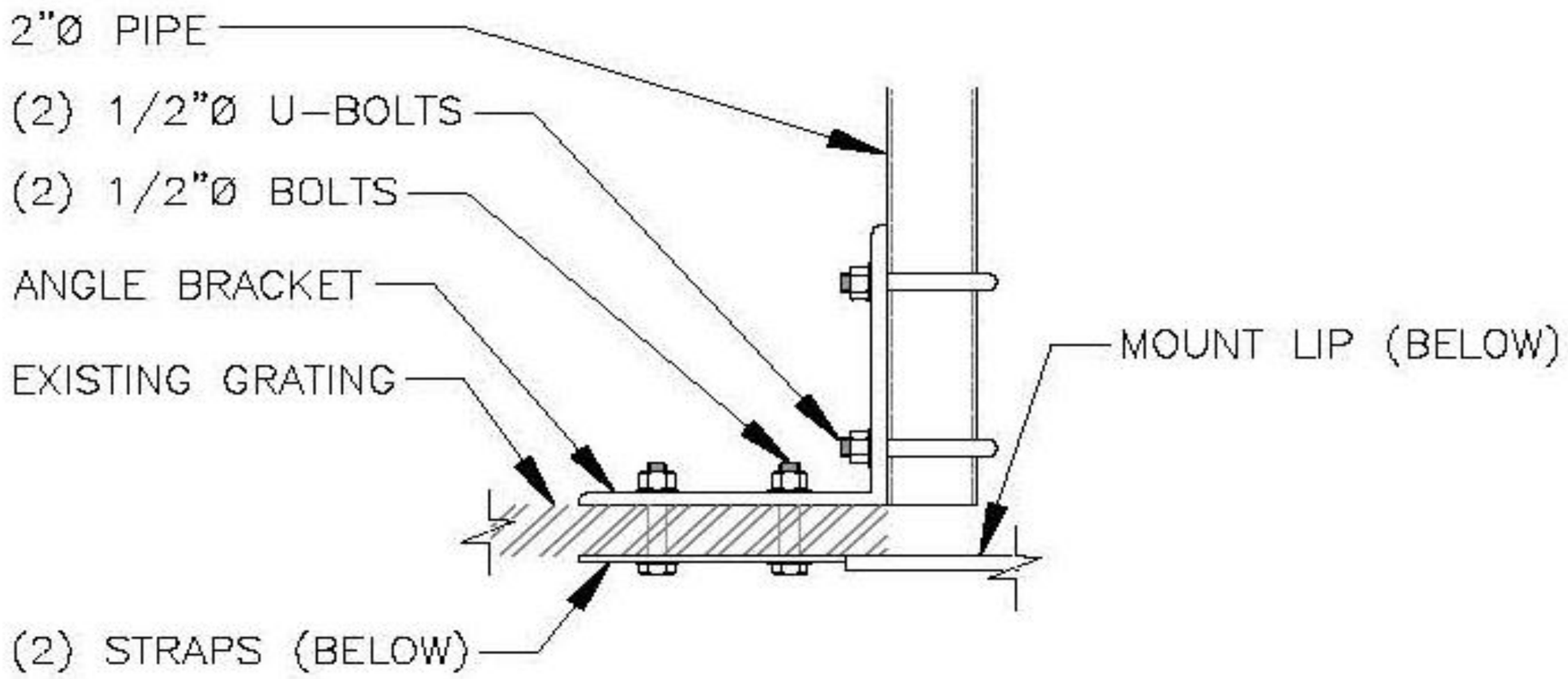
FCC #

Tower Owner:	AMERICAN TOWER	**Mapping Date:**	3/30/2021
Site Name:	TOLLAND CT	**Tower Type:**	Monopole
Site Number or ID:	468468	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	140.75

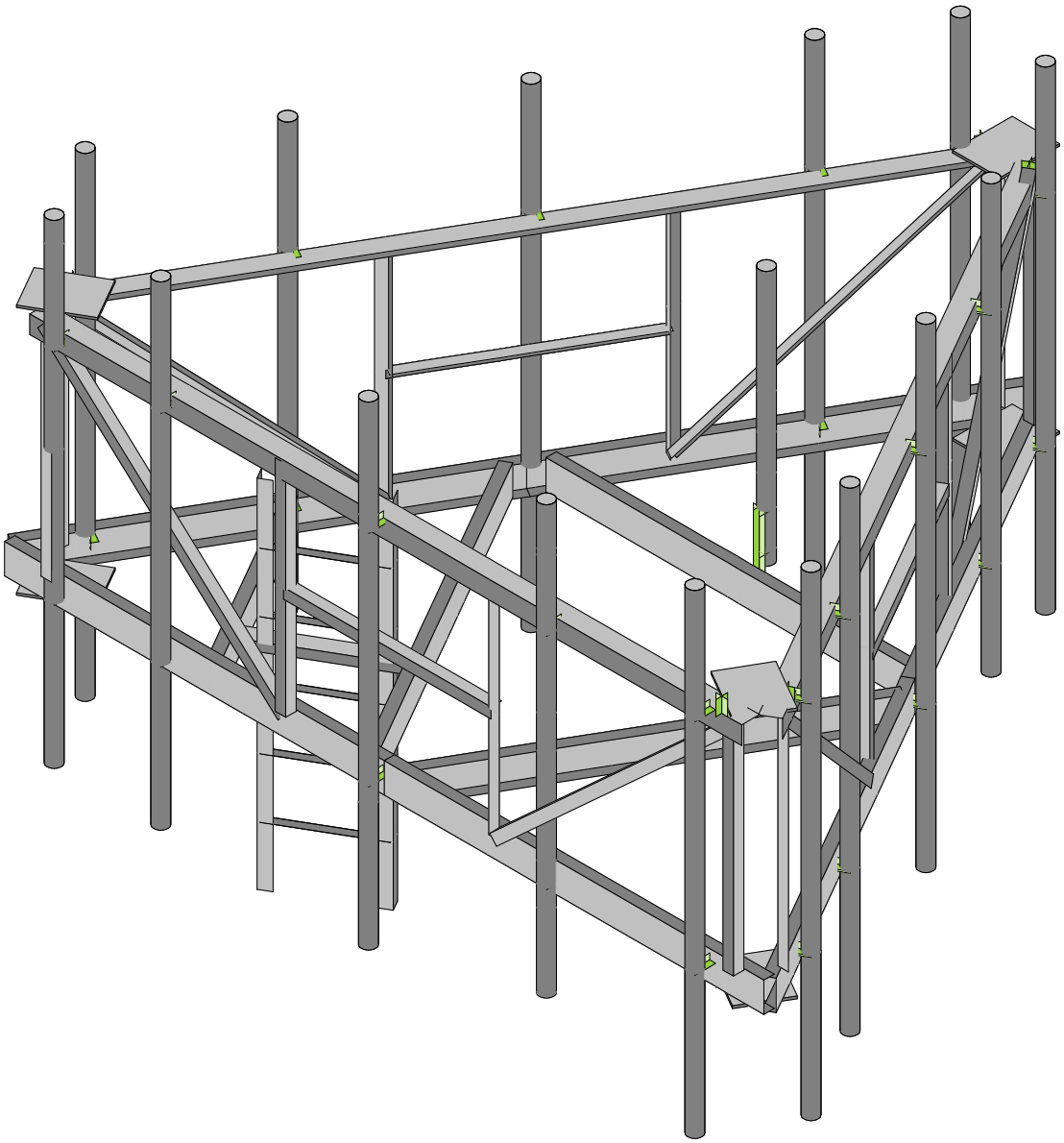
Please Insert Sketches of the Antenna Mount



Please Insert Sketches of the Antenna Mount, cont'd

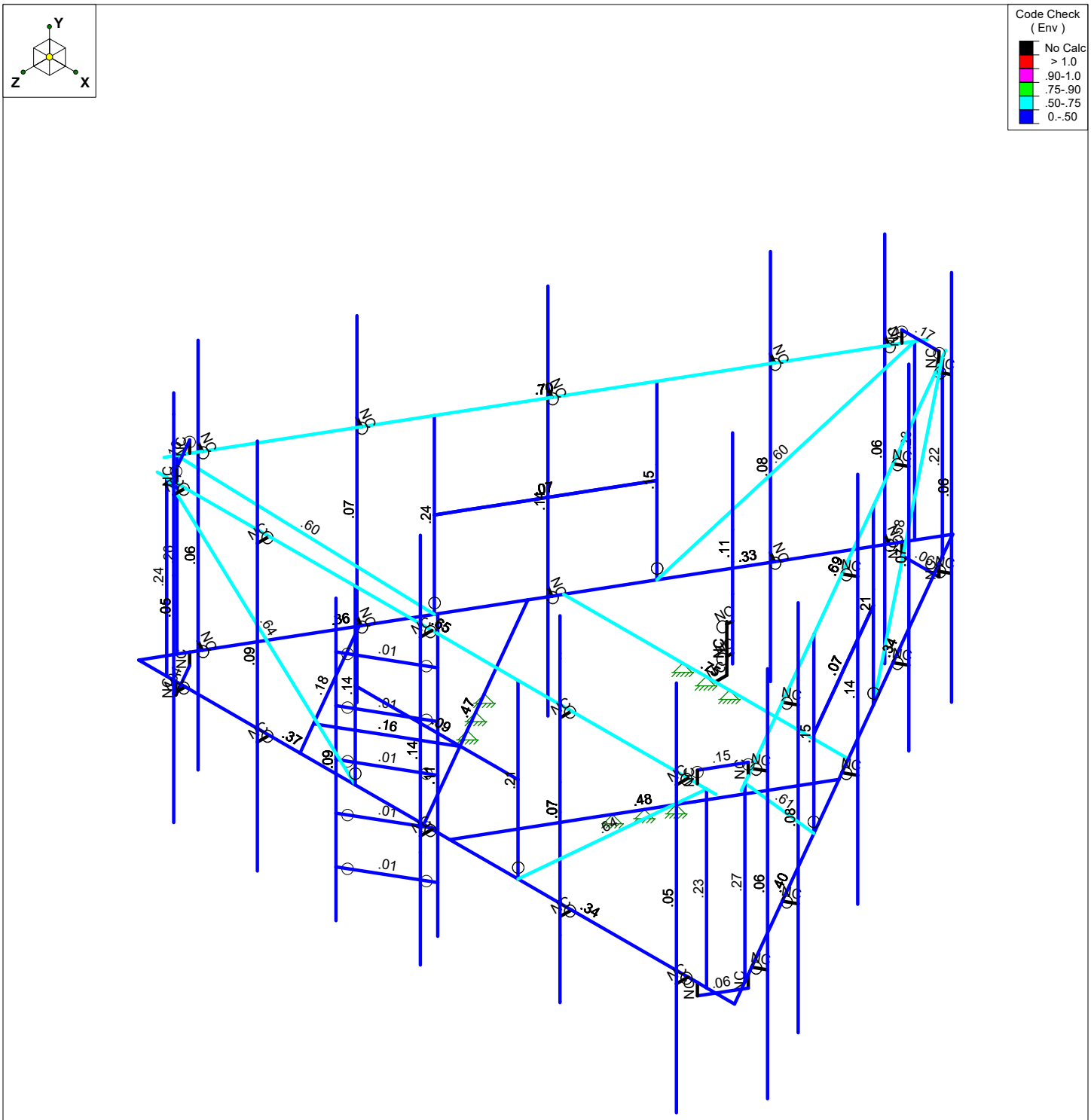


OVP MOUNT DETAIL



Envelope Only Solution

	468468-VZW_MT_LO_H	SK - 1
AE		Sept 10, 2021 at 1:33 PM
Project No. 10101664		468468-VZW_MT_LO_H_Rev 1 Fi...



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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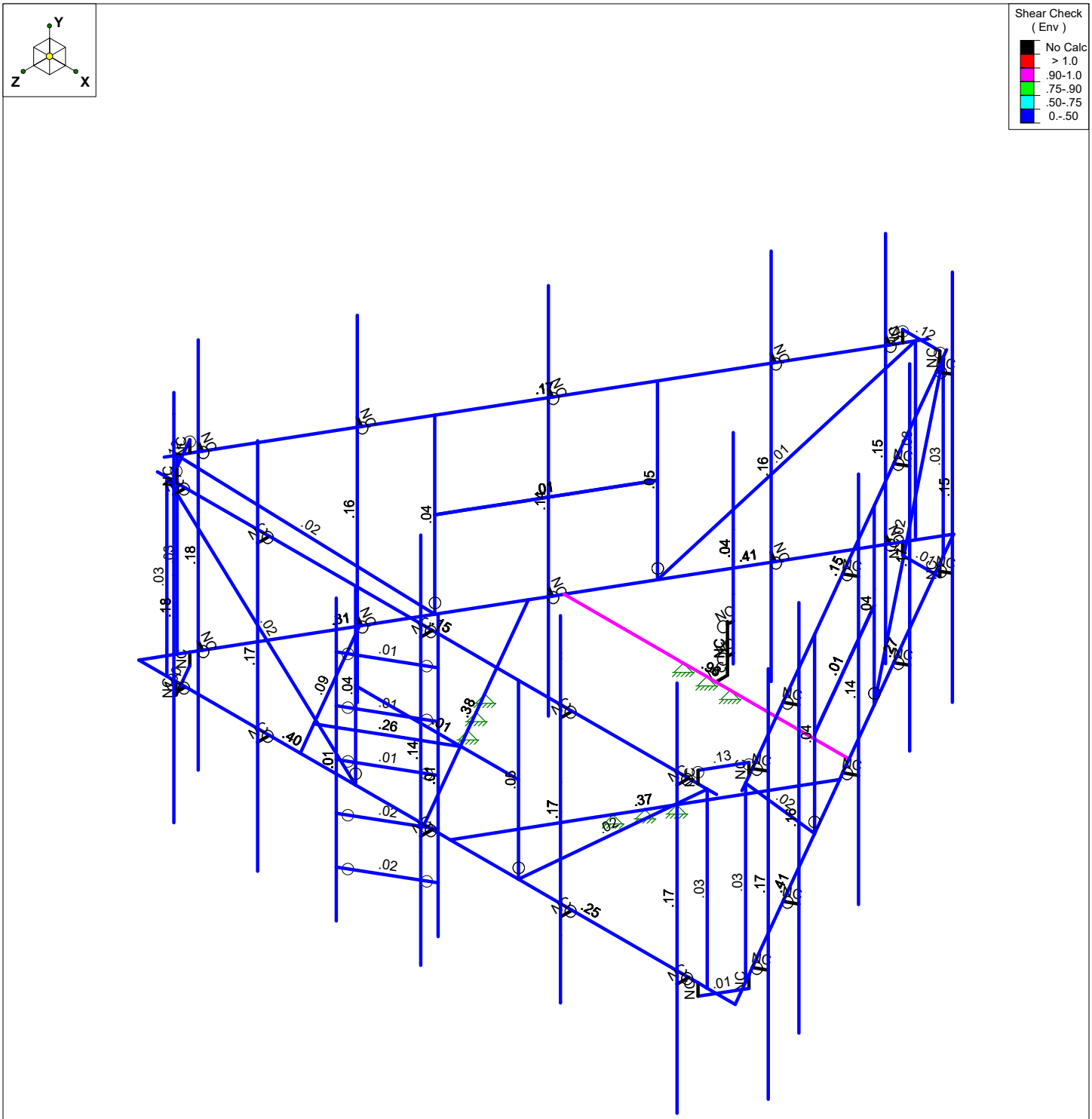
Project No. 10101664		468468-VZW_MT_LO_H_Rev 1 Fi...



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

	468468-VZW_MT_LO_H	SK - 3
AE		Sept 10, 2021 at 1:34 PM
Project No. 10101664		468468-VZW_MT_LO_H_Rev 1 Fi...

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					141			
2	Antenna Di	None					141			
3	Antenna Wo (0 Deg)	None					141			
4	Antenna Wo (30 Deg)	None					141			
5	Antenna Wo (60 Deg)	None					141			
6	Antenna Wo (90 Deg)	None					141			
7	Antenna Wo (120 Deg)	None					141			
8	Antenna Wo (150 Deg)	None					141			
9	Antenna Wo (180 Deg)	None					141			
10	Antenna Wo (210 Deg)	None					141			
11	Antenna Wo (240 Deg)	None					141			
12	Antenna Wo (270 Deg)	None					141			
13	Antenna Wo (300 Deg)	None					141			
14	Antenna Wo (330 Deg)	None					141			
15	Antenna Wi (0 Deg)	None					141			
16	Antenna Wi (30 Deg)	None					141			
17	Antenna Wi (60 Deg)	None					141			
18	Antenna Wi (90 Deg)	None					141			
19	Antenna Wi (120 Deg)	None					141			
20	Antenna Wi (150 Deg)	None					141			
21	Antenna Wi (180 Deg)	None					141			
22	Antenna Wi (210 Deg)	None					141			
23	Antenna Wi (240 Deg)	None					141			
24	Antenna Wi (270 Deg)	None					141			
25	Antenna Wi (300 Deg)	None					141			
26	Antenna Wi (330 Deg)	None					141			
27	Antenna Wm (0 Deg)	None					141			
28	Antenna Wm (30 Deg)	None					141			
29	Antenna Wm (60 Deg)	None					141			
30	Antenna Wm (90 Deg)	None					141			
31	Antenna Wm (120 Deg)	None					141			
32	Antenna Wm (150 Deg)	None					141			
33	Antenna Wm (180 Deg)	None					141			
34	Antenna Wm (210 Deg)	None					141			
35	Antenna Wm (240 Deg)	None					141			
36	Antenna Wm (270 Deg)	None					141			
37	Antenna Wm (300 Deg)	None					141			
38	Antenna Wm (330 Deg)	None					141			
39	Structure D	None		-1					7	
40	Structure Di	None						66	7	
41	Structure Wo (0 Deg)	None						132		
42	Structure Wo (30 Deg)	None						132		
43	Structure Wo (60 Deg)	None						132		
44	Structure Wo (90 Deg)	None						132		
45	Structure Wo (120 D...	None						132		
46	Structure Wo (150 D...	None						132		
47	Structure Wo (180 D...	None						132		
48	Structure Wo (210 D...	None						132		
49	Structure Wo (240 D...	None						132		
50	Structure Wo (270 D...	None						132		
51	Structure Wo (300 D...	None						132		
52	Structure Wo (330 D...	None						132		
53	Structure Wi (0 Deg)	None						132		
54	Structure Wi (30 Deg)	None						132		
55	Structure Wi (60 Deg)	None						132		
56	Structure Wi (90 Deg)	None						132		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						132		
58	Structure Wi (150 De...	None						132		
59	Structure Wi (180 De...	None						132		
60	Structure Wi (210 De...	None						132		
61	Structure Wi (240 De...	None						132		
62	Structure Wi (270 De...	None						132		
63	Structure Wi (300 De...	None						132		
64	Structure Wi (330 De...	None						132		
65	Structure Wm (0 Deg)	None						132		
66	Structure Wm (30 De...	None						132		
67	Structure Wm (60 De...	None						132		
68	Structure Wm (90 De...	None						132		
69	Structure Wm (120 D...	None						132		
70	Structure Wm (150 D...	None						132		
71	Structure Wm (180 D...	None						132		
72	Structure Wm (210 D...	None						132		
73	Structure Wm (240 D...	None						132		
74	Structure Wm (270 D...	None						132		
75	Structure Wm (300 D...	None						132		
76	Structure Wm (330 D...	None						132		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						81		
82	BLC 40 Transient Are...	None						81		

Load Combinations

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

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	3.0792	0	
2	N2	5.333333	0	3.0792	0	
3	N3	-5.333333	0	3.0792	0	
4	N4	-2.666667	0	-1.539602	0	
5	N5	-0.	0	-6.158404	0	
6	N7	2.666667	0	-1.539602	0	
7	N7A	0	0	-0.000001	0	
8	N8	-0.	0	-1.741738	0	
9	N11	2.549964	0	-1.741738	0	
10	N12	-2.549964	0	-1.741738	0	
11	N11A	-2.783371	0	-1.337465	0	
12	N12A	-0.233408	0	3.0792	0	
13	N13	0.233408	0	3.0792	0	
14	N14	2.783371	0	-1.337465	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N15	-4.5	0	3.0792	0	
16	N20	-5.000001	0	2.501852	0	
17	N25	-4.666667	-0.208333	3.0792	0	
18	N26	-4.999999	-0.208333	2.501852	0	
19	N22	5.000001	0	2.501852	0	
20	N23	4.666667	0	3.0792	0	
21	N25A	4.999999	-0.208333	2.501852	0	
22	N26A	4.666667	-0.208333	3.0792	0	
23	N29	-0.333335	0	-5.581052	0	
24	N30	0.333335	0	-5.581052	0	
25	N32	-0.333332	-0.208333	-5.581052	0	
26	N33	0.333332	-0.208333	-5.581052	0	
27	N36	0	3.083333	3.0792	0	
28	N39	-2.666667	3.083333	-1.539602	0	
29	N41	2.666667	3.083333	-1.539602	0	
30	N50	-4.5	3.083333	3.0792	0	
31	N51	-4.999999	3.083333	2.501852	0	
32	N52	4.999999	3.083333	2.501852	0	
33	N53	4.666667	3.083333	3.0792	0	
34	N54	-0.333332	3.083333	-5.581052	0	
35	N55	0.333332	3.083333	-5.581052	0	
36	N56	-5	3.083333	3.0792	0	
37	N57	5	3.083333	3.0792	0	
38	N58	5.166665	3.083333	2.790527	0	
39	N59	0.166665	3.083333	-5.869727	0	
40	N60	-0.166665	3.083333	-5.869727	0	
41	N61	-5.166665	3.083333	2.790527	0	
42	N55A	-4.666667	3.291667	3.0792	0	
43	N56A	-4.999999	3.291667	2.501852	0	
44	N64	4.999999	3.291667	2.501852	0	
45	N65	4.666667	3.291667	3.0792	0	
46	N75	-0.333332	3.291667	-5.581052	0	
47	N76	0.333332	3.291667	-5.581052	0	
48	N72	0.416667	0	-1.741738	0	
49	N73	-0.416667	0	-1.741738	0	
50	N74	-1.508389	0	0.870869	0	
51	N75A	-1.716722	0	0.510025	0	
52	N76A	-1.300056	0	1.231713	0	
53	N77A	1.508389	0	0.870869	0	
54	N78A	1.300056	0	1.231713	0	
55	N79A	1.716722	0	0.510025	0	
56	N80A	1.458333	0	3.0792	0	
57	N81A	1.458333	3.083333	3.0792	0	
58	N82	-1.458333	0	3.0792	0	
59	N83	-1.458333	3.083333	3.0792	0	
60	N84	-1.458333	1.541667	3.0792	0	
61	N85	1.458333	1.541667	3.0792	0	
62	N86	4.833333	0	3.0792	0	
63	N87	4.833333	3.083333	3.0792	0	
64	N88	-4.833333	0	3.0792	0	
65	N89	-4.833333	3.083333	3.0792	0	
66	N90	1.937501	0	-2.802554	0	
67	N91	1.937499	3.083333	-2.802554	0	
68	N92	3.395835	0	-0.276646	0	
69	N93	3.395832	3.083333	-0.276646	0	
70	N94	3.395835	1.541667	-0.276646	0	
71	N95	1.937501	1.541667	-2.802554	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N96	0.250001	0	-5.725389	0	
73	N97	0.249999	3.083333	-5.725389	0	
74	N98	5.083335	0	2.646189	0	
75	N99	5.083332	3.083333	2.646189	0	
76	N100	-3.395835	0	-0.276646	0	
77	N101	-3.395832	3.083333	-0.276646	0	
78	N102	-1.937501	0	-2.802554	0	
79	N103	-1.937499	3.083333	-2.802554	0	
80	N104	-1.937501	1.541667	-2.802554	0	
81	N105	-3.395835	1.541667	-0.276646	0	
82	N106	-5.083335	0	2.646189	0	
83	N107	-5.083332	3.083333	2.646189	0	
84	N108	-0.250001	0	-5.725389	0	
85	N109	-0.249999	3.083333	-5.725389	0	
86	N134	0	1.541667	3.0792	0	
87	N135	2.666665	1.541667	-1.5396	0	
88	N136	-2.666665	1.541667	-1.5396	0	
89	N137	0.291667	1.541667	3.0792	0	
90	N138	-0.291667	1.541667	3.0792	0	
91	N139	1.041667	1.541667	3.0792	0	
92	N140	-1.041667	1.541667	3.0792	0	
93	N141	2.520832	1.541667	-1.792191	0	
94	N142	2.812499	1.541667	-1.287009	0	
95	N143	2.145832	1.541667	-2.44171	0	
96	N144	3.1875	1.541667	-0.637492	0	
97	N145	-2.812499	1.541667	-1.287009	0	
98	N146	-2.520832	1.541667	-1.792191	0	
99	N147	-3.1875	1.541667	-0.637492	0	
100	N148	-2.145832	1.541667	-2.44171	0	
101	N149	1.937501	1.791667	-2.802554	0	
102	N150	-1.937501	1.791667	-2.802554	0	
103	N152	4.5	0	3.0792	0	
104	N154	4.5	3.083333	3.0792	0	
105	N157	4.5	0	3.287533	0	
106	N158	4.5	3.083333	3.287533	0	
107	N159	4.5	-2	3.287533	0	
108	N160	4.5	4.666667	3.287533	0	
109	N131	2.416667	0	3.0792	0	
110	N132	2.416667	3.083333	3.0792	0	
111	N133	2.416667	0	3.287533	0	
112	N134A	2.416667	3.083333	3.287533	0	
113	N136A	2.416667	4.666667	3.287533	0	
114	N137A	-0.083333	0	3.0792	0	
115	N138A	-0.083333	3.083333	3.0792	0	
116	N139A	-0.083333	0	3.287533	0	
117	N140A	-0.083333	3.083333	3.287533	0	
118	N141A	-0.083333	-2	3.287533	0	
119	N142A	-0.083333	4.666667	3.287533	0	
120	N143A	-3	0	3.0792	0	
121	N144A	-3	3.083333	3.0792	0	
122	N145A	-3	0	3.287533	0	
123	N146A	-3	3.083333	3.287533	0	
124	N147A	-3	-2	3.287533	0	
125	N148A	-3	4.666667	3.287533	0	
126	N151	-4.5	0	3.287533	0	
127	N152A	-4.5	3.083333	3.287533	0	
128	N153	-4.5	-2	3.287533	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N154A	-4.5	4.666667	3.287533	0	
130	N154B	4.916665	0	2.357514	0	
131	N155	4.916665	3.083333	2.357514	0	
132	N156	0.416665	0	-5.436714	0	
133	N157A	0.416665	3.083333	-5.436714	0	
134	N158A	0.597087	0	-5.540881	0	
135	N159A	0.597087	3.083333	-5.540881	0	
136	N160A	0.597087	-2	-5.540881	0	
137	N161	0.597087	4.666667	-5.540881	0	
138	N162	1.458332	0	-3.632495	0	
139	N163	1.458332	3.083333	-3.632495	0	
140	N164	1.638754	0	-3.736661	0	
141	N165	1.638754	3.083333	-3.736661	0	
142	N167	1.638754	4.666667	-3.736661	0	
143	N168	2.708332	0	-1.467431	0	
144	N169	2.708332	3.083333	-1.467431	0	
145	N170	2.888754	0	-1.571598	0	
146	N171	2.888754	3.083333	-1.571598	0	
147	N172	2.888754	-2	-1.571598	0	
148	N173	2.888754	4.666667	-1.571598	0	
149	N174	4.166665	0	1.058476	0	
150	N175	4.166665	3.083333	1.058476	0	
151	N176	4.347087	0	0.95431	0	
152	N177	4.347087	3.083333	0.95431	0	
153	N178	4.347087	-2	0.95431	0	
154	N179	4.347087	4.666667	0.95431	0	
155	N180	5.097087	0	2.253348	0	
156	N181	5.097087	3.083333	2.253348	0	
157	N182	5.097087	-2	2.253348	0	
158	N183	5.097087	4.666667	2.253348	0	
159	N185	-0.416665	0	-5.436714	0	
160	N186	-0.416665	3.083333	-5.436714	0	
161	N187	-4.916665	0	2.357514	0	
162	N188	-4.916665	3.083333	2.357514	0	
163	N189	-5.097087	0	2.253348	0	
164	N190	-5.097087	3.083333	2.253348	0	
165	N191	-5.097087	-2	2.253348	0	
166	N192	-5.097087	4.666667	2.253348	0	
167	N193	-3.874999	0	0.553295	0	
168	N194	-3.874999	3.083333	0.553295	0	
169	N195	-4.055421	0	0.449128	0	
170	N196	-4.055421	3.083333	0.449128	0	
171	N198	-4.055421	4.666667	0.449128	0	
172	N199	-2.624999	0	-1.611769	0	
173	N200	-2.624999	3.083333	-1.611769	0	
174	N201	-2.805421	0	-1.715935	0	
175	N202	-2.805421	3.083333	-1.715935	0	
176	N203	-2.805421	-2	-1.715935	0	
177	N204	-2.805421	4.666667	-1.715935	0	
178	N205	-1.166665	0	-4.137676	0	
179	N206	-1.166665	3.083333	-4.137676	0	
180	N207	-1.347087	0	-4.241843	0	
181	N208	-1.347087	3.083333	-4.241843	0	
182	N209	-1.347087	-2	-4.241843	0	
183	N210	-1.347087	4.666667	-4.241843	0	
184	N211	-0.597087	0	-5.540881	0	
185	N212	-0.597087	3.083333	-5.540881	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N213	-0.597087	-2	-5.540881	0	
187	N214	-0.597087	4.666667	-5.540881	0	
188	N210A	-4.666667	3.083333	3.0792	0	
189	N212A	2.416667	-1.333333	3.287533	0	
190	N213A	1.638754	-1.333333	-3.736661	0	
191	N215	-4.055421	-1.333333	0.449128	0	
192	N214A	-3.889959	0	0.579202	0	
193	N215A	-2.446583	0	3.079202	0	
194	N216	-2.779917	0	2.501852	0	
195	N217A	-1.120035	0	1.543519	0	
196	N218	-1.949976	0	2.022685	0	
197	N219	-1.372625	0	1.689352	0	
198	N220B	-2.527326	0	2.356019	0	
199	N221A	-1.372625	2	1.689352	0	
200	N222B	-2.527326	2	2.356019	0	
201	N223A	-1.372625	-3	1.689352	0	
202	N224A	-2.527326	-3	2.356019	0	
203	N225A	-1.372625	1.166667	1.689352	0	
204	N226A	-1.372625	0.333333	1.689352	0	
205	N227A	-1.372625	-.5	1.689352	0	
206	N228A	-1.372625	-1.333333	1.689352	0	
207	N229A	-1.372625	-2.166667	1.689352	0	
208	N230A	-2.527326	-2.166667	2.356019	0	
209	N231A	-2.527326	-1.333333	2.356019	0	
210	N232A	-2.527326	-.5	2.356019	0	
211	N233A	-2.527326	0.333333	2.356019	0	
212	N234A	-2.527326	1.166667	2.356019	0	
213	N216A	0.166667	0	-1.741738	0	
214	N217B	0.166667	0	-1.950071	0	
215	N218A	0.166667	0.791667	-1.950071	0	
216	N217C	0.166667	0.791667	-2.050071	0	
217	N218B	0.166667	.125	-2.050071	0	
218	N219A	0.166667	3.708333	-2.050071	0	
219	N220	-4.666667	0	3.0792	0	
220	N222A	-4.5	4.333333	3.287533	0	
221	N223	-4.5	1.833333	3.287533	0	
222	N223B	-0.083333	3.25	3.287533	0	
223	N224	-0.083333	-0.25	3.287533	0	
224	N225	2.416667	4	3.287533	0	
225	N226	2.416667	4.083333	3.287533	0	
226	N227	2.416667	2.083333	3.287533	0	
227	N228	2.416667	-1.316667	3.287533	0	
228	N229	2.416667	1.620833	3.287533	0	
229	N230	2.416667	0.2875	3.287533	0	
230	N231	2.416667	-0.291667	3.287533	0	
231	N232	0.166667	2.208333	-2.050071	0	
232	N233	-0.666667	0	-1.741738	0	
233	N235	-1.841721	0	0.293516	0	
234	N236	-1.175054	0	1.448217	0	
235	N238	1.175054	0	1.448217	0	
236	N239	1.841721	0	0.293516	0	
237	N238A	0.166667	0.291667	-1.950071	0	
238	N239A	0.166667	0.291667	-2.050071	0	
239	N240	0.166667	0.833333	-1.950071	0	
240	N240A	0.166667	1.208333	-2.050071	0	
241	N241	0.166667	1.708333	-2.050071	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	FH	C5X6.7	Beam	Channel	A36 Gr.36	Typical	1.97	.47	7.48	.055
3	S.O. Hor	C5X6.7	Beam	Channel	A36 Gr.36	Typical	1.97	.47	7.48	.055
4	Corner Channel	C6X8.2	Beam	Channel	A36 Gr.36	Typical	2.39	.687	13.1	.074
5	TES Face Bracing	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
6	Ladder	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
7	Support Rail	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	Ladder Rungs	SR_0.75	Beam	Single Angle	A36 Gr.36	Typical	.442	.016	.016	.031
9	Face Bracing	L1.75X1.75X4	Beam	Single Angle	A36 Gr.36	Typical	.813	.227	.227	.015
10	Kicker	L1.5x1.5x2_HRA	Beam	Single Angle	A36 Gr.36	Typical	.4	.086	.086	.002
11	Crossmember	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
12	Corner Plate	PL3/8X10	Beam	RECT	A36 Gr.36	Typical	3.75	.044	31.25	.172

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N1		180	FH	Beam	Channel	A36 Gr.36	Typical
2	M2	N1	N2		180	FH	Beam	Channel	A36 Gr.36	Typical
3	M3	N2	N7		180	FH	Beam	Channel	A36 Gr.36	Typical
4	M4	N7	N5		180	FH	Beam	Channel	A36 Gr.36	Typical
5	M5	N5	N4		180	FH	Beam	Channel	A36 Gr.36	Typical
6	M6	N4	N3		180	FH	Beam	Channel	A36 Gr.36	Typical
7	M7	N12	N11		180	S.O. Hor	Beam	Channel	A36 Gr.36	Typical
8	M8	N12A	N11A		180	S.O. Hor	Beam	Channel	A36 Gr.36	Typical
9	M9	N14	N13		180	S.O. Hor	Beam	Channel	A36 Gr.36	Typical
10	M13	N25	N26		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
11	M14	N220	N25			RIGID	None	None	RIGID	Typical
12	M15	N20	N26			RIGID	None	None	RIGID	Typical
13	M14A	N25A	N26A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
14	M16	N22	N25A			RIGID	None	None	RIGID	Typical
15	M17	N23	N26A			RIGID	None	None	RIGID	Typical
16	M18	N32	N33		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
17	M20	N29	N32			RIGID	None	None	RIGID	Typical
18	M21	N30	N33			RIGID	None	None	RIGID	Typical
19	M25	N61	N60		90	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
20	M26	N57	N56		90	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
21	M27	N59	N58		90	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
22	M34	N56A	N55A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
23	M41	N53	N65			RIGID	None	None	RIGID	Typical
24	M42	N65	N64		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
25	M50	N76	N75		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
26	M52	N82	N83		270	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
27	M53	N80A	N81A		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
28	M54	N85	N84		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
29	M55	N86	N87		270	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
30	M56	N88	N89		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
31	M57	N82	N89		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
32	M58	N80A	N87		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
33	M61	N95	N94		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
34	M62	N96	N97		270	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
35	M63	N98	N99		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
36	M68	N105	N104		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
37	M69	N106	N107		270	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
38	M70	N108	N109		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
39	M96	N154	N158			RIGID	None	None	RIGID	Typical
40	M97	N152	N157			RIGID	None	None	RIGID	Typical
41	MP1A	N160	N159			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
42	M64A	N132	N134A			RIGID	None	None	RIGID	Typical
43	M65A	N131	N133			RIGID	None	None	RIGID	Typical
44	M67A	N138A	N140A			RIGID	None	None	RIGID	Typical
45	M68A	N137A	N139A			RIGID	None	None	RIGID	Typical
46	MP3A	N142A	N141A			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
47	M70A	N144A	N146A			RIGID	None	None	RIGID	Typical
48	M71A	N143A	N145A			RIGID	None	None	RIGID	Typical
49	MP4A	N148A	N147A			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
50	M73	N50	N152A			RIGID	None	None	RIGID	Typical
51	M74	N15	N151			RIGID	None	None	RIGID	Typical
52	MP5A	N154A	N153			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
53	M76	N157A	N159A			RIGID	None	None	RIGID	Typical
54	M77	N156	N158A			RIGID	None	None	RIGID	Typical
55	MP1C	N161	N160A		240	Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
56	M79	N163	N165			RIGID	None	None	RIGID	Typical
57	M80	N162	N164			RIGID	None	None	RIGID	Typical
58	M82	N169	N171			RIGID	None	None	RIGID	Typical
59	M83	N168	N170			RIGID	None	None	RIGID	Typical
60	MP3C	N173	N172		240	Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
61	M85	N175	N177			RIGID	None	None	RIGID	Typical
62	M86	N174	N176			RIGID	None	None	RIGID	Typical
63	MP4C	N179	N178		240	Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
64	M88	N155	N181			RIGID	None	None	RIGID	Typical
65	M89	N154B	N180			RIGID	None	None	RIGID	Typical
66	MP5C	N183	N182		240	Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
67	M91	N188	N190			RIGID	None	None	RIGID	Typical
68	M92	N187	N189			RIGID	None	None	RIGID	Typical
69	MP1B	N192	N191		120	Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
70	M94	N194	N196			RIGID	None	None	RIGID	Typical
71	M95	N193	N195			RIGID	None	None	RIGID	Typical
72	M97A	N200	N202			RIGID	None	None	RIGID	Typical
73	M98A	N199	N201			RIGID	None	None	RIGID	Typical
74	MP3B	N204	N203		120	Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
75	M100	N206	N208			RIGID	None	None	RIGID	Typical
76	M101	N205	N207			RIGID	None	None	RIGID	Typical
77	MP4B	N210	N209		120	Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
78	M103	N186	N212			RIGID	None	None	RIGID	Typical
79	M104	N185	N211			RIGID	None	None	RIGID	Typical
80	MP5B	N214	N213		120	Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
81	M98B	N210A	N55A			RIGID	None	None	RIGID	Typical
82	M99A	N55	N76		120	RIGID	None	None	RIGID	Typical
83	M100A	N52	N64		120	RIGID	None	None	RIGID	Typical
84	M101A	N51	N56A		240	RIGID	None	None	RIGID	Typical
85	M102A	N54	N75		240	RIGID	None	None	RIGID	Typical
86	MP2A	N136A	N212A			Mount Pipe	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
87	MP2C	N167	N213A		240	Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
88	MP2B	N198	N215		120	Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
89	M106	N215A	N214A		180	S.O. Hor	Beam	Channel	A36 Gr.36	Typical
90	M107	N216	N217A			Ladder	Beam	Single Angle	A36 Gr.36	Typical
91	M108	N221A	N223A		330	Ladder	Beam	Single Angle	A36 Gr.36	Typical
92	M109	N224A	N222B		210	Ladder	Beam	Single Angle	A36 Gr.36	Typical
93	M110	N225A	N234A			Ladder Rungs	Beam	Single Angle	A36 Gr.36	Typical
94	M111	N233A	N226A			Ladder Rungs	Beam	Single Angle	A36 Gr.36	Typical
95	M112	N227A	N232A			Ladder Rungs	Beam	Single Angle	A36 Gr.36	Typical
96	M113	N231A	N228A			Ladder Rungs	Beam	Single Angle	A36 Gr.36	Typical
97	M114	N229A	N230A			Ladder Rungs	Beam	Single Angle	A36 Gr.36	Typical
98	M108A	N216A	N217B			RIGID	None	None	RIGID	Typical
99	M109A	N217B	N240			RIGID	None	None	RIGID	Typical
100	M108B	N218A	N217C			RIGID	None	None	RIGID	Typical
101	OVP	N219A	N218B			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
102	M110A	N238A	N239A			RIGID	None	None	RIGID	Typical
103	M103A	N92	N93		30	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
104	M104A	N90	N91		300	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
105	M105	N95	N94		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
106	M106A	N92	N99		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
107	M107A	N90	N97		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
108	M108C	N102	N103		150	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
109	M109B	N100	N101		60	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
110	M110B	N105	N104		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
111	M111A	N102	N109		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
112	M112A	N100	N107		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	FH	5.333			Lbyy						Lateral
2	M2	FH	5.333			Lbyy						Lateral
3	M3	FH	5.333			Lbyy						Lateral
4	M4	FH	5.333			Lbyy						Lateral
5	M5	FH	5.333			Lbyy						Lateral
6	M6	FH	5.333			Lbyy						Lateral
7	M7	S.O. Hor	5.1			Lbyy						Lateral
8	M8	S.O. Hor	5.1			Lbyy						Lateral
9	M9	S.O. Hor	5.1			Lbyy						Lateral
10	M13	Corner Plate	.667			Lbyy						Lateral
11	M14A	Corner Plate	.667			Lbyy						Lateral
12	M18	Corner Plate	.667			Lbyy						Lateral
13	M25	Support Rail	10			Lbyy						Lateral
14	M26	Support Rail	10			Lbyy						Lateral
15	M27	Support Rail	10			Lbyy						Lateral
16	M34	Corner Plate	.667			Lbyy						Lateral
17	M42	Corner Plate	.667			Lbyy						Lateral
18	M50	Corner Plate	.667			Lbyy						Lateral
19	M52	Face Bracing	3.083			Lbyy						Lateral
20	M53	Face Bracing	3.083			Lbyy						Lateral
21	M54	Face Bracing	2.917			Lbyy						Lateral
22	M55	Face Bracing	3.083			Lbyy						Lateral
23	M56	Face Bracing	3.083			Lbyy						Lateral
24	M57	Face Bracing	4.571			Lbyy						Lateral
25	M58	Face Bracing	4.571			Lbyy						Lateral
26	M61	Face Bracing	2.917			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
27	M62	Face Bracing	3.083			Lbyy						Lateral
28	M63	Face Bracing	3.083			Lbyy						Lateral
29	M68	Face Bracing	2.917			Lbyy						Lateral
30	M69	Face Bracing	3.083			Lbyy						Lateral
31	M70	Face Bracing	3.083			Lbyy						Lateral
32	MP1A	Mount Pipe	6.667			Lbyy						Lateral
33	MP3A	Mount Pipe	6.667			Lbyy						Lateral
34	MP4A	Mount Pipe	6.667			Lbyy						Lateral
35	MP5A	Mount Pipe	6.667			Lbyy						Lateral
36	MP1C	Mount Pipe	6.667			Lbyy						Lateral
37	MP3C	Mount Pipe	6.667			Lbyy						Lateral
38	MP4C	Mount Pipe	6.667			Lbyy						Lateral
39	MP5C	Mount Pipe	6.667			Lbyy						Lateral
40	MP1B	Mount Pipe	6.667			Lbyy						Lateral
41	MP3B	Mount Pipe	6.667			Lbyy						Lateral
42	MP4B	Mount Pipe	6.667			Lbyy						Lateral
43	MP5B	Mount Pipe	6.667			Lbyy						Lateral
44	MP2A	Mount Pipe	6			Lbyy						Lateral
45	MP2C	Mount Pipe	6			Lbyy						Lateral
46	MP2B	Mount Pipe	6			Lbyy						Lateral
47	M106	S.O. Hor	2.887			Lbyy						Lateral
48	M107	Ladder	1.917			Lbyy						Lateral
49	M108	Ladder	5			Lbyy						Lateral
50	M109	Ladder	5			Lbyy						Lateral
51	M110	Ladder Run...	1.333			Lbyy						Lateral
52	M111	Ladder Run...	1.333			Lbyy						Lateral
53	M112	Ladder Run...	1.333			Lbyy						Lateral
54	M113	Ladder Run...	1.333			Lbyy						Lateral
55	M114	Ladder Run...	1.333			Lbyy						Lateral
56	OVP	Mount Pipe	3.583			Lbyy						Lateral
57	M103A	Face Bracing	3.083			Lbyy						Lateral
58	M104A	Face Bracing	3.083			Lbyy						Lateral
59	M105	Face Bracing	2.917			Lbyy						Lateral
60	M106A	Face Bracing	4.571			Lbyy						Lateral
61	M107A	Face Bracing	4.571			Lbyy						Lateral
62	M108C	Face Bracing	3.083			Lbyy						Lateral
63	M109B	Face Bracing	3.083			Lbyy						Lateral
64	M110B	Face Bracing	2.917			Lbyy						Lateral
65	M111A	Face Bracing	4.571			Lbyy						Lateral
66	M112A	Face Bracing	4.571			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-10.4	.55
2	MP3A	My	.006	.55
3	MP3A	Mz	0	.55
4	MP3B	Y	-10.4	.55
5	MP3B	My	-.003	.55
6	MP3B	Mz	.006	.55
7	MP3C	Y	-10.4	.55
8	MP3C	My	-.006	.55
9	MP3C	Mz	-.003	.55
10	MP3A	Y	-10.4	.55
11	MP3A	My	.006	.55
12	MP3A	Mz	0	.55

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3B	Y	-10.4	.55
14	MP3B	My	-.003	.55
15	MP3B	Mz	.006	.55
16	MP3C	Y	-10.4	.55
17	MP3C	My	-.006	.55
18	MP3C	Mz	-.003	.55
19	MP2A	Y	-43.55	.58
20	MP2A	My	-.022	.58
21	MP2A	Mz	0	.58
22	MP2A	Y	-43.55	2.58
23	MP2A	My	-.022	2.58
24	MP2A	Mz	0	2.58
25	MP2B	Y	-43.55	.58
26	MP2B	My	.011	.58
27	MP2B	Mz	-.019	.58
28	MP2B	Y	-43.55	2.58
29	MP2B	My	.011	2.58
30	MP2B	Mz	-.019	2.58
31	MP2C	Y	-43.55	.58
32	MP2C	My	.019	.58
33	MP2C	Mz	.011	.58
34	MP2C	Y	-43.55	2.58
35	MP2C	My	.019	2.58
36	MP2C	Mz	.011	2.58
37	MP3A	Y	-31.65	1.42
38	MP3A	My	-.024	1.42
39	MP3A	Mz	.024	1.42
40	MP3A	Y	-31.65	4.92
41	MP3A	My	-.024	4.92
42	MP3A	Mz	.024	4.92
43	MP3B	Y	-31.65	1.42
44	MP3B	My	-.009	1.42
45	MP3B	Mz	-.032	1.42
46	MP3B	Y	-31.65	4.92
47	MP3B	My	-.009	4.92
48	MP3B	Mz	-.032	4.92
49	MP3C	Y	-31.65	1.42
50	MP3C	My	.032	1.42
51	MP3C	Mz	-.009	1.42
52	MP3C	Y	-31.65	4.92
53	MP3C	My	.032	4.92
54	MP3C	Mz	-.009	4.92
55	MP3A	Y	-31.65	1.42
56	MP3A	My	-.024	1.42
57	MP3A	Mz	-.024	1.42
58	MP3A	Y	-31.65	4.92
59	MP3A	My	-.024	4.92
60	MP3A	Mz	-.024	4.92
61	MP3B	Y	-31.65	1.42
62	MP3B	My	.032	1.42
63	MP3B	Mz	-.009	1.42
64	MP3B	Y	-31.65	4.92
65	MP3B	My	.032	4.92
66	MP3B	Mz	-.009	4.92
67	MP3C	Y	-31.65	1.42
68	MP3C	My	.009	1.42
69	MP3C	Mz	.032	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP3C	Y	-31.65	4.92
71	MP3C	My	.009	4.92
72	MP3C	Mz	.032	4.92
73	MP2A	Y	-18.7	4.96
74	MP2A	My	-.008	4.96
75	MP2A	Mz	0	4.96
76	MP2B	Y	-18.7	4.96
77	MP2B	My	.004	4.96
78	MP2B	Mz	-.007	4.96
79	MP2C	Y	-18.7	4.96
80	MP2C	My	.007	4.96
81	MP2C	Mz	.004	4.96
82	MP1B	Y	-3.15	.33
83	MP1B	My	.001	.33
84	MP1B	Mz	-.002	.33
85	MP1B	Y	-3.15	2.83
86	MP1B	My	.001	2.83
87	MP1B	Mz	-.002	2.83
88	MP1C	Y	-3.15	.33
89	MP1C	My	.001	.33
90	MP1C	Mz	.002	.33
91	MP1C	Y	-3.15	2.83
92	MP1C	My	.001	2.83
93	MP1C	Mz	.002	2.83
94	MP5B	Y	-3.15	.33
95	MP5B	My	.001	.33
96	MP5B	Mz	-.002	.33
97	MP5B	Y	-3.15	2.83
98	MP5B	My	.001	2.83
99	MP5B	Mz	-.002	2.83
100	MP5C	Y	-3.15	.33
101	MP5C	My	.001	.33
102	MP5C	Mz	.002	.33
103	MP5C	Y	-3.15	2.83
104	MP5C	My	.001	2.83
105	MP5C	Mz	.002	2.83
106	MP4A	Y	-84.4	.67
107	MP4A	My	-.056	.67
108	MP4A	Mz	0	.67
109	MP4B	Y	-84.4	.67
110	MP4B	My	.028	.67
111	MP4B	Mz	-.049	.67
112	MP4C	Y	-84.4	.67
113	MP4C	My	.049	.67
114	MP4C	Mz	.028	.67
115	MP4A	Y	-70.3	.67
116	MP4A	My	.056	.67
117	MP4A	Mz	0	.67
118	MP4B	Y	-70.3	.67
119	MP4B	My	-.028	.67
120	MP4B	Mz	.048	.67
121	MP4C	Y	-70.3	.67
122	MP4C	My	-.048	.67
123	MP4C	Mz	-.028	.67
124	OVP	Y	-32	2.5
125	OVP	My	0	2.5
126	OVP	Mz	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
127	MP1A	Y	-5	.33
128	MP1A	My	-.004	.33
129	MP1A	Mz	0	.33
130	MP1A	Y	-5	2.83
131	MP1A	My	-.004	2.83
132	MP1A	Mz	0	2.83
133	MP5A	Y	-5	.33
134	MP5A	My	-.004	.33
135	MP5A	Mz	0	.33
136	MP5A	Y	-5	2.83
137	MP5A	My	-.004	2.83
138	MP5A	Mz	0	2.83
139	OVP	Y	-32	2
140	OVP	My	0	2
141	OVP	Mz	0	2

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-18.319	.55
2	MP3A	My	.011	.55
3	MP3A	Mz	0	.55
4	MP3B	Y	-18.319	.55
5	MP3B	My	-.006	.55
6	MP3B	Mz	.01	.55
7	MP3C	Y	-18.319	.55
8	MP3C	My	-.01	.55
9	MP3C	Mz	-.006	.55
10	MP3A	Y	-18.319	.55
11	MP3A	My	.011	.55
12	MP3A	Mz	0	.55
13	MP3B	Y	-18.319	.55
14	MP3B	My	-.006	.55
15	MP3B	Mz	.01	.55
16	MP3C	Y	-18.319	.55
17	MP3C	My	-.01	.55
18	MP3C	Mz	-.006	.55
19	MP2A	Y	-56.436	.58
20	MP2A	My	-.028	.58
21	MP2A	Mz	0	.58
22	MP2A	Y	-56.436	2.58
23	MP2A	My	-.028	2.58
24	MP2A	Mz	0	2.58
25	MP2B	Y	-56.436	.58
26	MP2B	My	.014	.58
27	MP2B	Mz	-.024	.58
28	MP2B	Y	-56.436	2.58
29	MP2B	My	.014	2.58
30	MP2B	Mz	-.024	2.58
31	MP2C	Y	-56.436	.58
32	MP2C	My	.024	.58
33	MP2C	Mz	.014	.58
34	MP2C	Y	-56.436	2.58
35	MP2C	My	.024	2.58
36	MP2C	Mz	.014	2.58
37	MP3A	Y	-109.778	1.42
38	MP3A	My	-.082	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mz	.082	1.42
40	MP3A	Y	-109.778	4.92
41	MP3A	My	-.082	4.92
42	MP3A	Mz	.082	4.92
43	MP3B	Y	-109.778	1.42
44	MP3B	My	-.03	1.42
45	MP3B	Mz	-.112	1.42
46	MP3B	Y	-109.778	4.92
47	MP3B	My	-.03	4.92
48	MP3B	Mz	-.112	4.92
49	MP3C	Y	-109.778	1.42
50	MP3C	My	.112	1.42
51	MP3C	Mz	-.03	1.42
52	MP3C	Y	-109.778	4.92
53	MP3C	My	.112	4.92
54	MP3C	Mz	-.03	4.92
55	MP3A	Y	-109.778	1.42
56	MP3A	My	-.082	1.42
57	MP3A	Mz	-.082	1.42
58	MP3A	Y	-109.778	4.92
59	MP3A	My	-.082	4.92
60	MP3A	Mz	-.082	4.92
61	MP3B	Y	-109.778	1.42
62	MP3B	My	.112	1.42
63	MP3B	Mz	-.03	1.42
64	MP3B	Y	-109.778	4.92
65	MP3B	My	.112	4.92
66	MP3B	Mz	-.03	4.92
67	MP3C	Y	-109.778	1.42
68	MP3C	My	.03	1.42
69	MP3C	Mz	.112	1.42
70	MP3C	Y	-109.778	4.92
71	MP3C	My	.03	4.92
72	MP3C	Mz	.112	4.92
73	MP2A	Y	-36.498	4.96
74	MP2A	My	-.015	4.96
75	MP2A	Mz	0	4.96
76	MP2B	Y	-36.498	4.96
77	MP2B	My	.008	4.96
78	MP2B	Mz	-.013	4.96
79	MP2C	Y	-36.498	4.96
80	MP2C	My	.013	4.96
81	MP2C	Mz	.008	4.96
82	MP1B	Y	-50.142	.33
83	MP1B	My	.02	.33
84	MP1B	Mz	-.034	.33
85	MP1B	Y	-50.142	2.83
86	MP1B	My	.02	2.83
87	MP1B	Mz	-.034	2.83
88	MP1C	Y	-50.142	.33
89	MP1C	My	.02	.33
90	MP1C	Mz	.034	.33
91	MP1C	Y	-50.142	2.83
92	MP1C	My	.02	2.83
93	MP1C	Mz	.034	2.83
94	MP5B	Y	-50.142	.33
95	MP5B	My	.02	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP5B	Mz	-.034	.33
97	MP5B	Y	-50.142	2.83
98	MP5B	My	.02	2.83
99	MP5B	Mz	-.034	2.83
100	MP5C	Y	-50.142	.33
101	MP5C	My	.02	.33
102	MP5C	Mz	.034	.33
103	MP5C	Y	-50.142	2.83
104	MP5C	My	.02	2.83
105	MP5C	Mz	.034	2.83
106	MP4A	Y	-71.728	.67
107	MP4A	My	-.048	.67
108	MP4A	Mz	0	.67
109	MP4B	Y	-71.728	.67
110	MP4B	My	.024	.67
111	MP4B	Mz	-.041	.67
112	MP4C	Y	-71.728	.67
113	MP4C	My	.041	.67
114	MP4C	Mz	.024	.67
115	MP4A	Y	-64.76	.67
116	MP4A	My	.051	.67
117	MP4A	Mz	0	.67
118	MP4B	Y	-64.76	.67
119	MP4B	My	-.026	.67
120	MP4B	Mz	.044	.67
121	MP4C	Y	-64.76	.67
122	MP4C	My	-.044	.67
123	MP4C	Mz	-.026	.67
124	OVP	Y	-138.07	2.5
125	OVP	My	0	2.5
126	OVP	Mz	0	2.5
127	MP1A	Y	-46.963	.33
128	MP1A	My	-.037	.33
129	MP1A	Mz	0	.33
130	MP1A	Y	-46.963	2.83
131	MP1A	My	-.037	2.83
132	MP1A	Mz	0	2.83
133	MP5A	Y	-46.963	.33
134	MP5A	My	-.037	.33
135	MP5A	Mz	0	.33
136	MP5A	Y	-46.963	2.83
137	MP5A	My	-.037	2.83
138	MP5A	Mz	0	2.83
139	OVP	Y	-138.07	2
140	OVP	My	0	2
141	OVP	Mz	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.55
2	MP3A	Z	-14.872	.55
3	MP3A	Mx	0	.55
4	MP3B	X	0	.55
5	MP3B	Z	-11.435	.55
6	MP3B	Mx	-.006	.55
7	MP3C	X	0	.55

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3C	Z	-13.726	.55
9	MP3C	Mx	.004	.55
10	MP3A	X	0	.55
11	MP3A	Z	-14.872	.55
12	MP3A	Mx	0	.55
13	MP3B	X	0	.55
14	MP3B	Z	-11.435	.55
15	MP3B	Mx	-.006	.55
16	MP3C	X	0	.55
17	MP3C	Z	-13.726	.55
18	MP3C	Mx	.004	.55
19	MP2A	X	0	.58
20	MP2A	Z	-94.457	.58
21	MP2A	Mx	0	.58
22	MP2A	X	0	2.58
23	MP2A	Z	-94.457	2.58
24	MP2A	Mx	0	2.58
25	MP2B	X	0	.58
26	MP2B	Z	-51.349	.58
27	MP2B	Mx	.022	.58
28	MP2B	X	0	2.58
29	MP2B	Z	-51.349	2.58
30	MP2B	Mx	.022	2.58
31	MP2C	X	0	.58
32	MP2C	Z	-80.088	.58
33	MP2C	Mx	-.02	.58
34	MP2C	X	0	2.58
35	MP2C	Z	-80.088	2.58
36	MP2C	Mx	-.02	2.58
37	MP3A	X	0	1.42
38	MP3A	Z	-183.086	1.42
39	MP3A	Mx	-.137	1.42
40	MP3A	X	0	4.92
41	MP3A	Z	-183.086	4.92
42	MP3A	Mx	-.137	4.92
43	MP3B	X	0	1.42
44	MP3B	Z	-135.958	1.42
45	MP3B	Mx	.139	1.42
46	MP3B	X	0	4.92
47	MP3B	Z	-135.958	4.92
48	MP3B	Mx	.139	4.92
49	MP3C	X	0	1.42
50	MP3C	Z	-167.376	1.42
51	MP3C	Mx	.046	1.42
52	MP3C	X	0	4.92
53	MP3C	Z	-167.376	4.92
54	MP3C	Mx	.046	4.92
55	MP3A	X	0	1.42
56	MP3A	Z	-183.086	1.42
57	MP3A	Mx	.137	1.42
58	MP3A	X	0	4.92
59	MP3A	Z	-183.086	4.92
60	MP3A	Mx	.137	4.92
61	MP3B	X	0	1.42
62	MP3B	Z	-135.958	1.42
63	MP3B	Mx	.037	1.42
64	MP3B	X	0	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3B	Z	-135.958	4.92
66	MP3B	Mx	.037	4.92
67	MP3C	X	0	1.42
68	MP3C	Z	-167.376	1.42
69	MP3C	Mx	-.171	1.42
70	MP3C	X	0	4.92
71	MP3C	Z	-167.376	4.92
72	MP3C	Mx	-.171	4.92
73	MP2A	X	0	4.96
74	MP2A	Z	-40.194	4.96
75	MP2A	Mx	0	4.96
76	MP2B	X	0	4.96
77	MP2B	Z	-29.273	4.96
78	MP2B	Mx	.011	4.96
79	MP2C	X	0	4.96
80	MP2C	Z	-36.554	4.96
81	MP2C	Mx	-.008	4.96
82	MP1B	X	0	.33
83	MP1B	Z	-68.855	.33
84	MP1B	Mx	.047	.33
85	MP1B	X	0	2.83
86	MP1B	Z	-68.855	2.83
87	MP1B	Mx	.047	2.83
88	MP1C	X	0	.33
89	MP1C	Z	-68.855	.33
90	MP1C	Mx	-.047	.33
91	MP1C	X	0	2.83
92	MP1C	Z	-68.855	2.83
93	MP1C	Mx	-.047	2.83
94	MP5B	X	0	.33
95	MP5B	Z	-68.855	.33
96	MP5B	Mx	.047	.33
97	MP5B	X	0	2.83
98	MP5B	Z	-68.855	2.83
99	MP5B	Mx	.047	2.83
100	MP5C	X	0	.33
101	MP5C	Z	-68.855	.33
102	MP5C	Mx	-.047	.33
103	MP5C	X	0	2.83
104	MP5C	Z	-68.855	2.83
105	MP5C	Mx	-.047	2.83
106	MP4A	X	0	.67
107	MP4A	Z	-75.164	.67
108	MP4A	Mx	0	.67
109	MP4B	X	0	.67
110	MP4B	Z	-56.473	.67
111	MP4B	Mx	.033	.67
112	MP4C	X	0	.67
113	MP4C	Z	-68.933	.67
114	MP4C	Mx	-.023	.67
115	MP4A	X	0	.67
116	MP4A	Z	-75.164	.67
117	MP4A	Mx	0	.67
118	MP4B	X	0	.67
119	MP4B	Z	-49.314	.67
120	MP4B	Mx	-.034	.67
121	MP4C	X	0	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
122	MP4C	Z	-66.547	.67
123	MP4C	Mx	.026	.67
124	OVP	X	0	2.5
125	OVP	Z	-106.49	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	0	.33
128	MP1A	Z	-53.861	.33
129	MP1A	Mx	0	.33
130	MP1A	X	0	2.83
131	MP1A	Z	-53.861	2.83
132	MP1A	Mx	0	2.83
133	MP5A	X	0	.33
134	MP5A	Z	-53.861	.33
135	MP5A	Mx	0	.33
136	MP5A	X	0	2.83
137	MP5A	Z	-53.861	2.83
138	MP5A	Mx	0	2.83
139	OVP	X	0	2
140	OVP	Z	-106.49	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.863	.55
2	MP3A	Z	-11.887	.55
3	MP3A	Mx	.004	.55
4	MP3B	X	5.145	.55
5	MP3B	Z	-8.911	.55
6	MP3B	Mx	-.006	.55
7	MP3C	X	7.436	.55
8	MP3C	Z	-12.879	.55
9	MP3C	Mx	0	.55
10	MP3A	X	6.863	.55
11	MP3A	Z	-11.887	.55
12	MP3A	Mx	.004	.55
13	MP3B	X	5.145	.55
14	MP3B	Z	-8.911	.55
15	MP3B	Mx	-.006	.55
16	MP3C	X	7.436	.55
17	MP3C	Z	-12.879	.55
18	MP3C	Mx	0	.55
19	MP2A	X	40.044	.58
20	MP2A	Z	-69.358	.58
21	MP2A	Mx	-.02	.58
22	MP2A	X	40.044	2.58
23	MP2A	Z	-69.358	2.58
24	MP2A	Mx	-.02	2.58
25	MP2B	X	18.49	.58
26	MP2B	Z	-32.025	.58
27	MP2B	Mx	.018	.58
28	MP2B	X	18.49	2.58
29	MP2B	Z	-32.025	2.58
30	MP2B	Mx	.018	2.58
31	MP2C	X	47.228	.58
32	MP2C	Z	-81.802	.58
33	MP2C	Mx	0	.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	X	47.228	2.58
35	MP2C	Z	-81.802	2.58
36	MP2C	Mx	0	2.58
37	MP3A	X	83.688	1.42
38	MP3A	Z	-144.952	1.42
39	MP3A	Mx	-.171	1.42
40	MP3A	X	83.688	4.92
41	MP3A	Z	-144.952	4.92
42	MP3A	Mx	-.171	4.92
43	MP3B	X	60.124	1.42
44	MP3B	Z	-104.138	1.42
45	MP3B	Mx	.09	1.42
46	MP3B	X	60.124	4.92
47	MP3B	Z	-104.138	4.92
48	MP3B	Mx	.09	4.92
49	MP3C	X	91.543	1.42
50	MP3C	Z	-158.557	1.42
51	MP3C	Mx	.137	1.42
52	MP3C	X	91.543	4.92
53	MP3C	Z	-158.557	4.92
54	MP3C	Mx	.137	4.92
55	MP3A	X	83.688	1.42
56	MP3A	Z	-144.952	1.42
57	MP3A	Mx	.046	1.42
58	MP3A	X	83.688	4.92
59	MP3A	Z	-144.952	4.92
60	MP3A	Mx	.046	4.92
61	MP3B	X	60.124	1.42
62	MP3B	Z	-104.138	1.42
63	MP3B	Mx	.09	1.42
64	MP3B	X	60.124	4.92
65	MP3B	Z	-104.138	4.92
66	MP3B	Mx	.09	4.92
67	MP3C	X	91.543	1.42
68	MP3C	Z	-158.557	1.42
69	MP3C	Mx	-.137	1.42
70	MP3C	X	91.543	4.92
71	MP3C	Z	-158.557	4.92
72	MP3C	Mx	-.137	4.92
73	MP2A	X	18.277	4.96
74	MP2A	Z	-31.657	4.96
75	MP2A	Mx	-.008	4.96
76	MP2B	X	12.817	4.96
77	MP2B	Z	-22.199	4.96
78	MP2B	Mx	.011	4.96
79	MP2C	X	20.097	4.96
80	MP2C	Z	-34.809	4.96
81	MP2C	Mx	0	4.96
82	MP1B	X	36.324	.33
83	MP1B	Z	-62.915	.33
84	MP1B	Mx	.058	.33
85	MP1B	X	36.324	2.83
86	MP1B	Z	-62.915	2.83
87	MP1B	Mx	.058	2.83
88	MP1C	X	30.635	.33
89	MP1C	Z	-53.062	.33
90	MP1C	Mx	-.024	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP1C	X	30.635	2.83
92	MP1C	Z	-53.062	2.83
93	MP1C	Mx	-.024	2.83
94	MP5B	X	36.324	.33
95	MP5B	Z	-62.915	.33
96	MP5B	Mx	.058	.33
97	MP5B	X	36.324	2.83
98	MP5B	Z	-62.915	2.83
99	MP5B	Mx	.058	2.83
100	MP5C	X	30.635	.33
101	MP5C	Z	-53.062	.33
102	MP5C	Mx	-.024	.33
103	MP5C	X	30.635	2.83
104	MP5C	Z	-53.062	2.83
105	MP5C	Mx	-.024	2.83
106	MP4A	X	34.467	.67
107	MP4A	Z	-59.698	.67
108	MP4A	Mx	-.023	.67
109	MP4B	X	25.122	.67
110	MP4B	Z	-43.512	.67
111	MP4B	Mx	.033	.67
112	MP4C	X	37.582	.67
113	MP4C	Z	-65.094	.67
114	MP4C	Mx	0	.67
115	MP4A	X	33.273	.67
116	MP4A	Z	-57.631	.67
117	MP4A	Mx	.026	.67
118	MP4B	X	20.348	.67
119	MP4B	Z	-35.245	.67
120	MP4B	Mx	-.032	.67
121	MP4C	X	37.582	.67
122	MP4C	Z	-65.094	.67
123	MP4C	Mx	0	.67
124	OVP	X	59.249	2.5
125	OVP	Z	-102.622	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	28.166	.33
128	MP1A	Z	-48.785	.33
129	MP1A	Mx	-.022	.33
130	MP1A	X	28.166	2.83
131	MP1A	Z	-48.785	2.83
132	MP1A	Mx	-.022	2.83
133	MP5A	X	28.166	.33
134	MP5A	Z	-48.785	.33
135	MP5A	Mx	-.022	.33
136	MP5A	X	28.166	2.83
137	MP5A	Z	-48.785	2.83
138	MP5A	Mx	-.022	2.83
139	OVP	X	59.249	2
140	OVP	Z	-102.622	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.903	.55
2	MP3A	Z	-5.718	.55

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP3A	Mx	.006	.55
4	MP3B	X	9.903	.55
5	MP3B	Z	-5.718	.55
6	MP3B	Mx	-.006	.55
7	MP3C	X	11.887	.55
8	MP3C	Z	-6.863	.55
9	MP3C	Mx	-.004	.55
10	MP3A	X	9.903	.55
11	MP3A	Z	-5.718	.55
12	MP3A	Mx	.006	.55
13	MP3B	X	9.903	.55
14	MP3B	Z	-5.718	.55
15	MP3B	Mx	-.006	.55
16	MP3C	X	11.887	.55
17	MP3C	Z	-6.863	.55
18	MP3C	Mx	-.004	.55
19	MP2A	X	44.47	.58
20	MP2A	Z	-25.675	.58
21	MP2A	Mx	-.022	.58
22	MP2A	X	44.47	2.58
23	MP2A	Z	-25.675	2.58
24	MP2A	Mx	-.022	2.58
25	MP2B	X	44.47	.58
26	MP2B	Z	-25.675	.58
27	MP2B	Mx	.022	.58
28	MP2B	X	44.47	2.58
29	MP2B	Z	-25.675	2.58
30	MP2B	Mx	.022	2.58
31	MP2C	X	69.358	.58
32	MP2C	Z	-40.044	.58
33	MP2C	Mx	.02	.58
34	MP2C	X	69.358	2.58
35	MP2C	Z	-40.044	2.58
36	MP2C	Mx	.02	2.58
37	MP3A	X	117.743	1.42
38	MP3A	Z	-67.979	1.42
39	MP3A	Mx	-.139	1.42
40	MP3A	X	117.743	4.92
41	MP3A	Z	-67.979	4.92
42	MP3A	Mx	-.139	4.92
43	MP3B	X	117.743	1.42
44	MP3B	Z	-67.979	1.42
45	MP3B	Mx	.037	1.42
46	MP3B	X	117.743	4.92
47	MP3B	Z	-67.979	4.92
48	MP3B	Mx	.037	4.92
49	MP3C	X	144.952	1.42
50	MP3C	Z	-83.688	1.42
51	MP3C	Mx	.171	1.42
52	MP3C	X	144.952	4.92
53	MP3C	Z	-83.688	4.92
54	MP3C	Mx	.171	4.92
55	MP3A	X	117.743	1.42
56	MP3A	Z	-67.979	1.42
57	MP3A	Mx	-.037	1.42
58	MP3A	X	117.743	4.92
59	MP3A	Z	-67.979	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP3A	Mx	-.037	4.92
61	MP3B	X	117.743	1.42
62	MP3B	Z	-67.979	1.42
63	MP3B	Mx	.139	1.42
64	MP3B	X	117.743	4.92
65	MP3B	Z	-67.979	4.92
66	MP3B	Mx	.139	4.92
67	MP3C	X	144.952	1.42
68	MP3C	Z	-83.688	1.42
69	MP3C	Mx	-.046	1.42
70	MP3C	X	144.952	4.92
71	MP3C	Z	-83.688	4.92
72	MP3C	Mx	-.046	4.92
73	MP2A	X	25.352	4.96
74	MP2A	Z	-14.637	4.96
75	MP2A	Mx	-.011	4.96
76	MP2B	X	25.352	4.96
77	MP2B	Z	-14.637	4.96
78	MP2B	Mx	.011	4.96
79	MP2C	X	31.657	4.96
80	MP2C	Z	-18.277	4.96
81	MP2C	Mx	.008	4.96
82	MP1B	X	59.63	.33
83	MP1B	Z	-34.428	.33
84	MP1B	Mx	.047	.33
85	MP1B	X	59.63	2.83
86	MP1B	Z	-34.428	2.83
87	MP1B	Mx	.047	2.83
88	MP1C	X	49.777	.33
89	MP1C	Z	-28.739	.33
90	MP1C	Mx	0	.33
91	MP1C	X	49.777	2.83
92	MP1C	Z	-28.739	2.83
93	MP1C	Mx	0	2.83
94	MP5B	X	59.63	.33
95	MP5B	Z	-34.428	.33
96	MP5B	Mx	.047	.33
97	MP5B	X	59.63	2.83
98	MP5B	Z	-34.428	2.83
99	MP5B	Mx	.047	2.83
100	MP5C	X	49.777	.33
101	MP5C	Z	-28.739	.33
102	MP5C	Mx	0	.33
103	MP5C	X	49.777	2.83
104	MP5C	Z	-28.739	2.83
105	MP5C	Mx	0	2.83
106	MP4A	X	48.907	.67
107	MP4A	Z	-28.237	.67
108	MP4A	Mx	-.033	.67
109	MP4B	X	48.907	.67
110	MP4B	Z	-28.237	.67
111	MP4B	Mx	.033	.67
112	MP4C	X	59.698	.67
113	MP4C	Z	-34.467	.67
114	MP4C	Mx	.023	.67
115	MP4A	X	42.707	.67
116	MP4A	Z	-24.657	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP4A	Mx	.034	.67
118	MP4B	X	42.707	.67
119	MP4B	Z	-24.657	.67
120	MP4B	Mx	-.034	.67
121	MP4C	X	57.631	.67
122	MP4C	Z	-33.273	.67
123	MP4C	Mx	-.026	.67
124	OVP	X	107.822	2.5
125	OVP	Z	-62.251	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	53.066	.33
128	MP1A	Z	-30.638	.33
129	MP1A	Mx	-.042	.33
130	MP1A	X	53.066	2.83
131	MP1A	Z	-30.638	2.83
132	MP1A	Mx	-.042	2.83
133	MP5A	X	53.066	.33
134	MP5A	Z	-30.638	.33
135	MP5A	Mx	-.042	.33
136	MP5A	X	53.066	2.83
137	MP5A	Z	-30.638	2.83
138	MP5A	Mx	-.042	2.83
139	OVP	X	107.822	2
140	OVP	Z	-62.251	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	10.29	.55
2	MP3A	Z	0	.55
3	MP3A	Mx	.006	.55
4	MP3B	X	13.726	.55
5	MP3B	Z	0	.55
6	MP3B	Mx	-.004	.55
7	MP3C	X	11.435	.55
8	MP3C	Z	0	.55
9	MP3C	Mx	-.006	.55
10	MP3A	X	10.29	.55
11	MP3A	Z	0	.55
12	MP3A	Mx	.006	.55
13	MP3B	X	13.726	.55
14	MP3B	Z	0	.55
15	MP3B	Mx	-.004	.55
16	MP3C	X	11.435	.55
17	MP3C	Z	0	.55
18	MP3C	Mx	-.006	.55
19	MP2A	X	36.98	.58
20	MP2A	Z	0	.58
21	MP2A	Mx	-.018	.58
22	MP2A	X	36.98	2.58
23	MP2A	Z	0	2.58
24	MP2A	Mx	-.018	2.58
25	MP2B	X	80.088	.58
26	MP2B	Z	0	.58
27	MP2B	Mx	.02	.58
28	MP2B	X	80.088	2.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	0	2.58
30	MP2B	Mx	.02	2.58
31	MP2C	X	51.349	.58
32	MP2C	Z	0	.58
33	MP2C	Mx	.022	.58
34	MP2C	X	51.349	2.58
35	MP2C	Z	0	2.58
36	MP2C	Mx	.022	2.58
37	MP3A	X	120.248	1.42
38	MP3A	Z	0	1.42
39	MP3A	Mx	-.09	1.42
40	MP3A	X	120.248	4.92
41	MP3A	Z	0	4.92
42	MP3A	Mx	-.09	4.92
43	MP3B	X	167.376	1.42
44	MP3B	Z	0	1.42
45	MP3B	Mx	-.046	1.42
46	MP3B	X	167.376	4.92
47	MP3B	Z	0	4.92
48	MP3B	Mx	-.046	4.92
49	MP3C	X	135.958	1.42
50	MP3C	Z	0	1.42
51	MP3C	Mx	.139	1.42
52	MP3C	X	135.958	4.92
53	MP3C	Z	0	4.92
54	MP3C	Mx	.139	4.92
55	MP3A	X	120.248	1.42
56	MP3A	Z	0	1.42
57	MP3A	Mx	-.09	1.42
58	MP3A	X	120.248	4.92
59	MP3A	Z	0	4.92
60	MP3A	Mx	-.09	4.92
61	MP3B	X	167.376	1.42
62	MP3B	Z	0	1.42
63	MP3B	Mx	.171	1.42
64	MP3B	X	167.376	4.92
65	MP3B	Z	0	4.92
66	MP3B	Mx	.171	4.92
67	MP3C	X	135.958	1.42
68	MP3C	Z	0	1.42
69	MP3C	Mx	.037	1.42
70	MP3C	X	135.958	4.92
71	MP3C	Z	0	4.92
72	MP3C	Mx	.037	4.92
73	MP2A	X	25.633	4.96
74	MP2A	Z	0	4.96
75	MP2A	Mx	-.011	4.96
76	MP2B	X	36.554	4.96
77	MP2B	Z	0	4.96
78	MP2B	Mx	.008	4.96
79	MP2C	X	29.273	4.96
80	MP2C	Z	0	4.96
81	MP2C	Mx	.011	4.96
82	MP1B	X	61.27	.33
83	MP1B	Z	0	.33
84	MP1B	Mx	.024	.33
85	MP1B	X	61.27	2.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1B	Z	0	2.83
87	MP1B	Mx	.024	2.83
88	MP1C	X	61.27	.33
89	MP1C	Z	0	.33
90	MP1C	Mx	.024	.33
91	MP1C	X	61.27	2.83
92	MP1C	Z	0	2.83
93	MP1C	Mx	.024	2.83
94	MP5B	X	61.27	.33
95	MP5B	Z	0	.33
96	MP5B	Mx	.024	.33
97	MP5B	X	61.27	2.83
98	MP5B	Z	0	2.83
99	MP5B	Mx	.024	2.83
100	MP5C	X	61.27	.33
101	MP5C	Z	0	.33
102	MP5C	Mx	.024	.33
103	MP5C	X	61.27	2.83
104	MP5C	Z	0	2.83
105	MP5C	Mx	.024	2.83
106	MP4A	X	50.243	.67
107	MP4A	Z	0	.67
108	MP4A	Mx	-.033	.67
109	MP4B	X	68.933	.67
110	MP4B	Z	0	.67
111	MP4B	Mx	.023	.67
112	MP4C	X	56.473	.67
113	MP4C	Z	0	.67
114	MP4C	Mx	.033	.67
115	MP4A	X	40.697	.67
116	MP4A	Z	0	.67
117	MP4A	Mx	.032	.67
118	MP4B	X	66.547	.67
119	MP4B	Z	0	.67
120	MP4B	Mx	-.026	.67
121	MP4C	X	49.314	.67
122	MP4C	Z	0	.67
123	MP4C	Mx	-.034	.67
124	OVP	X	118.498	2.5
125	OVP	Z	0	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	63.747	.33
128	MP1A	Z	0	.33
129	MP1A	Mx	-.05	.33
130	MP1A	X	63.747	2.83
131	MP1A	Z	0	2.83
132	MP1A	Mx	-.05	2.83
133	MP5A	X	63.747	.33
134	MP5A	Z	0	.33
135	MP5A	Mx	-.05	.33
136	MP5A	X	63.747	2.83
137	MP5A	Z	0	2.83
138	MP5A	Mx	-.05	2.83
139	OVP	X	118.498	2
140	OVP	Z	0	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.903	.55
2	MP3A	Z	5.718	.55
3	MP3A	Mx	.006	.55
4	MP3B	X	12.879	.55
5	MP3B	Z	7.436	.55
6	MP3B	Mx	0	.55
7	MP3C	X	8.911	.55
8	MP3C	Z	5.145	.55
9	MP3C	Mx	-.006	.55
10	MP3A	X	9.903	.55
11	MP3A	Z	5.718	.55
12	MP3A	Mx	.006	.55
13	MP3B	X	12.879	.55
14	MP3B	Z	7.436	.55
15	MP3B	Mx	0	.55
16	MP3C	X	8.911	.55
17	MP3C	Z	5.145	.55
18	MP3C	Mx	-.006	.55
19	MP2A	X	44.47	.58
20	MP2A	Z	25.675	.58
21	MP2A	Mx	-.022	.58
22	MP2A	X	44.47	2.58
23	MP2A	Z	25.675	2.58
24	MP2A	Mx	-.022	2.58
25	MP2B	X	81.802	.58
26	MP2B	Z	47.228	.58
27	MP2B	Mx	0	.58
28	MP2B	X	81.802	2.58
29	MP2B	Z	47.228	2.58
30	MP2B	Mx	0	2.58
31	MP2C	X	32.025	.58
32	MP2C	Z	18.49	.58
33	MP2C	Mx	.018	.58
34	MP2C	X	32.025	2.58
35	MP2C	Z	18.49	2.58
36	MP2C	Mx	.018	2.58
37	MP3A	X	117.743	1.42
38	MP3A	Z	67.979	1.42
39	MP3A	Mx	-.037	1.42
40	MP3A	X	117.743	4.92
41	MP3A	Z	67.979	4.92
42	MP3A	Mx	-.037	4.92
43	MP3B	X	158.557	1.42
44	MP3B	Z	91.543	1.42
45	MP3B	Mx	-.137	1.42
46	MP3B	X	158.557	4.92
47	MP3B	Z	91.543	4.92
48	MP3B	Mx	-.137	4.92
49	MP3C	X	104.138	1.42
50	MP3C	Z	60.124	1.42
51	MP3C	Mx	.09	1.42
52	MP3C	X	104.138	4.92
53	MP3C	Z	60.124	4.92
54	MP3C	Mx	.09	4.92
55	MP3A	X	117.743	1.42
56	MP3A	Z	67.979	1.42
57	MP3A	Mx	-.139	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	117.743	4.92
59	MP3A	Z	67.979	4.92
60	MP3A	Mx	-.139	4.92
61	MP3B	X	158.557	1.42
62	MP3B	Z	91.543	1.42
63	MP3B	Mx	.137	1.42
64	MP3B	X	158.557	4.92
65	MP3B	Z	91.543	4.92
66	MP3B	Mx	.137	4.92
67	MP3C	X	104.138	1.42
68	MP3C	Z	60.124	1.42
69	MP3C	Mx	.09	1.42
70	MP3C	X	104.138	4.92
71	MP3C	Z	60.124	4.92
72	MP3C	Mx	.09	4.92
73	MP2A	X	25.352	4.96
74	MP2A	Z	14.637	4.96
75	MP2A	Mx	-.011	4.96
76	MP2B	X	34.809	4.96
77	MP2B	Z	20.097	4.96
78	MP2B	Mx	0	4.96
79	MP2C	X	22.199	4.96
80	MP2C	Z	12.817	4.96
81	MP2C	Mx	.011	4.96
82	MP1B	X	49.777	.33
83	MP1B	Z	28.739	.33
84	MP1B	Mx	0	.33
85	MP1B	X	49.777	2.83
86	MP1B	Z	28.739	2.83
87	MP1B	Mx	0	2.83
88	MP1C	X	59.63	.33
89	MP1C	Z	34.428	.33
90	MP1C	Mx	.047	.33
91	MP1C	X	59.63	2.83
92	MP1C	Z	34.428	2.83
93	MP1C	Mx	.047	2.83
94	MP5B	X	49.777	.33
95	MP5B	Z	28.739	.33
96	MP5B	Mx	0	.33
97	MP5B	X	49.777	2.83
98	MP5B	Z	28.739	2.83
99	MP5B	Mx	0	2.83
100	MP5C	X	59.63	.33
101	MP5C	Z	34.428	.33
102	MP5C	Mx	.047	.33
103	MP5C	X	59.63	2.83
104	MP5C	Z	34.428	2.83
105	MP5C	Mx	.047	2.83
106	MP4A	X	48.907	.67
107	MP4A	Z	28.237	.67
108	MP4A	Mx	-.033	.67
109	MP4B	X	65.094	.67
110	MP4B	Z	37.582	.67
111	MP4B	Mx	0	.67
112	MP4C	X	43.512	.67
113	MP4C	Z	25.122	.67
114	MP4C	Mx	.033	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4A	X	42.707	.67
116	MP4A	Z	24.657	.67
117	MP4A	Mx	.034	.67
118	MP4B	X	65.094	.67
119	MP4B	Z	37.582	.67
120	MP4B	Mx	0	.67
121	MP4C	X	35.245	.67
122	MP4C	Z	20.348	.67
123	MP4C	Mx	-.032	.67
124	OVP	X	92.223	2.5
125	OVP	Z	53.245	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	53.066	.33
128	MP1A	Z	30.638	.33
129	MP1A	Mx	-.042	.33
130	MP1A	X	53.066	2.83
131	MP1A	Z	30.638	2.83
132	MP1A	Mx	-.042	2.83
133	MP5A	X	53.066	.33
134	MP5A	Z	30.638	.33
135	MP5A	Mx	-.042	.33
136	MP5A	X	53.066	2.83
137	MP5A	Z	30.638	2.83
138	MP5A	Mx	-.042	2.83
139	OVP	X	92.223	2
140	OVP	Z	53.245	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.863	.55
2	MP3A	Z	11.887	.55
3	MP3A	Mx	.004	.55
4	MP3B	X	6.863	.55
5	MP3B	Z	11.887	.55
6	MP3B	Mx	.004	.55
7	MP3C	X	5.718	.55
8	MP3C	Z	9.903	.55
9	MP3C	Mx	-.006	.55
10	MP3A	X	6.863	.55
11	MP3A	Z	11.887	.55
12	MP3A	Mx	.004	.55
13	MP3B	X	6.863	.55
14	MP3B	Z	11.887	.55
15	MP3B	Mx	.004	.55
16	MP3C	X	5.718	.55
17	MP3C	Z	9.903	.55
18	MP3C	Mx	-.006	.55
19	MP2A	X	40.044	.58
20	MP2A	Z	69.358	.58
21	MP2A	Mx	-.02	.58
22	MP2A	X	40.044	2.58
23	MP2A	Z	69.358	2.58
24	MP2A	Mx	-.02	2.58
25	MP2B	X	40.044	.58
26	MP2B	Z	69.358	.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.02	.58
28	MP2B	X	40.044	2.58
29	MP2B	Z	69.358	2.58
30	MP2B	Mx	-.02	2.58
31	MP2C	X	25.675	.58
32	MP2C	Z	44.47	.58
33	MP2C	Mx	.022	.58
34	MP2C	X	25.675	2.58
35	MP2C	Z	44.47	2.58
36	MP2C	Mx	.022	2.58
37	MP3A	X	83.688	1.42
38	MP3A	Z	144.952	1.42
39	MP3A	Mx	.046	1.42
40	MP3A	X	83.688	4.92
41	MP3A	Z	144.952	4.92
42	MP3A	Mx	.046	4.92
43	MP3B	X	83.688	1.42
44	MP3B	Z	144.952	1.42
45	MP3B	Mx	-.171	1.42
46	MP3B	X	83.688	4.92
47	MP3B	Z	144.952	4.92
48	MP3B	Mx	-.171	4.92
49	MP3C	X	67.979	1.42
50	MP3C	Z	117.743	1.42
51	MP3C	Mx	.037	1.42
52	MP3C	X	67.979	4.92
53	MP3C	Z	117.743	4.92
54	MP3C	Mx	.037	4.92
55	MP3A	X	83.688	1.42
56	MP3A	Z	144.952	1.42
57	MP3A	Mx	-.171	1.42
58	MP3A	X	83.688	4.92
59	MP3A	Z	144.952	4.92
60	MP3A	Mx	-.171	4.92
61	MP3B	X	83.688	1.42
62	MP3B	Z	144.952	1.42
63	MP3B	Mx	.046	1.42
64	MP3B	X	83.688	4.92
65	MP3B	Z	144.952	4.92
66	MP3B	Mx	.046	4.92
67	MP3C	X	67.979	1.42
68	MP3C	Z	117.743	1.42
69	MP3C	Mx	.139	1.42
70	MP3C	X	67.979	4.92
71	MP3C	Z	117.743	4.92
72	MP3C	Mx	.139	4.92
73	MP2A	X	18.277	4.96
74	MP2A	Z	31.657	4.96
75	MP2A	Mx	-.008	4.96
76	MP2B	X	18.277	4.96
77	MP2B	Z	31.657	4.96
78	MP2B	Mx	-.008	4.96
79	MP2C	X	14.637	4.96
80	MP2C	Z	25.352	4.96
81	MP2C	Mx	.011	4.96
82	MP1B	X	30.635	.33
83	MP1B	Z	53.062	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1B	Mx	-.024	.33
85	MP1B	X	30.635	2.83
86	MP1B	Z	53.062	2.83
87	MP1B	Mx	-.024	2.83
88	MP1C	X	36.324	.33
89	MP1C	Z	62.915	.33
90	MP1C	Mx	.058	.33
91	MP1C	X	36.324	2.83
92	MP1C	Z	62.915	2.83
93	MP1C	Mx	.058	2.83
94	MP5B	X	30.635	.33
95	MP5B	Z	53.062	.33
96	MP5B	Mx	-.024	.33
97	MP5B	X	30.635	2.83
98	MP5B	Z	53.062	2.83
99	MP5B	Mx	-.024	2.83
100	MP5C	X	36.324	.33
101	MP5C	Z	62.915	.33
102	MP5C	Mx	.058	.33
103	MP5C	X	36.324	2.83
104	MP5C	Z	62.915	2.83
105	MP5C	Mx	.058	2.83
106	MP4A	X	34.467	.67
107	MP4A	Z	59.698	.67
108	MP4A	Mx	-.023	.67
109	MP4B	X	34.467	.67
110	MP4B	Z	59.698	.67
111	MP4B	Mx	-.023	.67
112	MP4C	X	28.237	.67
113	MP4C	Z	48.907	.67
114	MP4C	Mx	.033	.67
115	MP4A	X	33.273	.67
116	MP4A	Z	57.631	.67
117	MP4A	Mx	.026	.67
118	MP4B	X	33.273	.67
119	MP4B	Z	57.631	.67
120	MP4B	Mx	.026	.67
121	MP4C	X	24.657	.67
122	MP4C	Z	42.707	.67
123	MP4C	Mx	-.034	.67
124	OVP	X	50.243	2.5
125	OVP	Z	87.023	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	28.166	.33
128	MP1A	Z	48.785	.33
129	MP1A	Mx	-.022	.33
130	MP1A	X	28.166	2.83
131	MP1A	Z	48.785	2.83
132	MP1A	Mx	-.022	2.83
133	MP5A	X	28.166	.33
134	MP5A	Z	48.785	.33
135	MP5A	Mx	-.022	.33
136	MP5A	X	28.166	2.83
137	MP5A	Z	48.785	2.83
138	MP5A	Mx	-.022	2.83
139	OVP	X	50.243	2
140	OVP	Z	87.023	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.55
2	MP3A	Z	14.872	.55
3	MP3A	Mx	0	.55
4	MP3B	X	0	.55
5	MP3B	Z	11.435	.55
6	MP3B	Mx	.006	.55
7	MP3C	X	0	.55
8	MP3C	Z	13.726	.55
9	MP3C	Mx	-.004	.55
10	MP3A	X	0	.55
11	MP3A	Z	14.872	.55
12	MP3A	Mx	0	.55
13	MP3B	X	0	.55
14	MP3B	Z	11.435	.55
15	MP3B	Mx	.006	.55
16	MP3C	X	0	.55
17	MP3C	Z	13.726	.55
18	MP3C	Mx	-.004	.55
19	MP2A	X	0	.58
20	MP2A	Z	94.457	.58
21	MP2A	Mx	0	.58
22	MP2A	X	0	2.58
23	MP2A	Z	94.457	2.58
24	MP2A	Mx	0	2.58
25	MP2B	X	0	.58
26	MP2B	Z	51.349	.58
27	MP2B	Mx	-.022	.58
28	MP2B	X	0	2.58
29	MP2B	Z	51.349	2.58
30	MP2B	Mx	-.022	2.58
31	MP2C	X	0	.58
32	MP2C	Z	80.088	.58
33	MP2C	Mx	.02	.58
34	MP2C	X	0	2.58
35	MP2C	Z	80.088	2.58
36	MP2C	Mx	.02	2.58
37	MP3A	X	0	1.42
38	MP3A	Z	183.086	1.42
39	MP3A	Mx	.137	1.42
40	MP3A	X	0	4.92
41	MP3A	Z	183.086	4.92
42	MP3A	Mx	.137	4.92
43	MP3B	X	0	1.42
44	MP3B	Z	135.958	1.42
45	MP3B	Mx	-.139	1.42
46	MP3B	X	0	4.92
47	MP3B	Z	135.958	4.92
48	MP3B	Mx	-.139	4.92
49	MP3C	X	0	1.42
50	MP3C	Z	167.376	1.42
51	MP3C	Mx	-.046	1.42
52	MP3C	X	0	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	167.376	4.92
54	MP3C	Mx	-.046	4.92
55	MP3A	X	0	1.42
56	MP3A	Z	183.086	1.42
57	MP3A	Mx	-.137	1.42
58	MP3A	X	0	4.92
59	MP3A	Z	183.086	4.92
60	MP3A	Mx	-.137	4.92
61	MP3B	X	0	1.42
62	MP3B	Z	135.958	1.42
63	MP3B	Mx	-.037	1.42
64	MP3B	X	0	4.92
65	MP3B	Z	135.958	4.92
66	MP3B	Mx	-.037	4.92
67	MP3C	X	0	1.42
68	MP3C	Z	167.376	1.42
69	MP3C	Mx	.171	1.42
70	MP3C	X	0	4.92
71	MP3C	Z	167.376	4.92
72	MP3C	Mx	.171	4.92
73	MP2A	X	0	4.96
74	MP2A	Z	40.194	4.96
75	MP2A	Mx	0	4.96
76	MP2B	X	0	4.96
77	MP2B	Z	29.273	4.96
78	MP2B	Mx	-.011	4.96
79	MP2C	X	0	4.96
80	MP2C	Z	36.554	4.96
81	MP2C	Mx	.008	4.96
82	MP1B	X	0	.33
83	MP1B	Z	68.855	.33
84	MP1B	Mx	-.047	.33
85	MP1B	X	0	2.83
86	MP1B	Z	68.855	2.83
87	MP1B	Mx	-.047	2.83
88	MP1C	X	0	.33
89	MP1C	Z	68.855	.33
90	MP1C	Mx	.047	.33
91	MP1C	X	0	2.83
92	MP1C	Z	68.855	2.83
93	MP1C	Mx	.047	2.83
94	MP5B	X	0	.33
95	MP5B	Z	68.855	.33
96	MP5B	Mx	-.047	.33
97	MP5B	X	0	2.83
98	MP5B	Z	68.855	2.83
99	MP5B	Mx	-.047	2.83
100	MP5C	X	0	.33
101	MP5C	Z	68.855	.33
102	MP5C	Mx	.047	.33
103	MP5C	X	0	2.83
104	MP5C	Z	68.855	2.83
105	MP5C	Mx	.047	2.83
106	MP4A	X	0	.67
107	MP4A	Z	75.164	.67
108	MP4A	Mx	0	.67
109	MP4B	X	0	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP4B	Z	56.473	.67
111	MP4B	Mx	-.033	.67
112	MP4C	X	0	.67
113	MP4C	Z	68.933	.67
114	MP4C	Mx	.023	.67
115	MP4A	X	0	.67
116	MP4A	Z	75.164	.67
117	MP4A	Mx	0	.67
118	MP4B	X	0	.67
119	MP4B	Z	49.314	.67
120	MP4B	Mx	.034	.67
121	MP4C	X	0	.67
122	MP4C	Z	66.547	.67
123	MP4C	Mx	-.026	.67
124	OVP	X	0	2.5
125	OVP	Z	106.49	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	0	.33
128	MP1A	Z	53.861	.33
129	MP1A	Mx	0	.33
130	MP1A	X	0	2.83
131	MP1A	Z	53.861	2.83
132	MP1A	Mx	0	2.83
133	MP5A	X	0	.33
134	MP5A	Z	53.861	.33
135	MP5A	Mx	0	.33
136	MP5A	X	0	2.83
137	MP5A	Z	53.861	2.83
138	MP5A	Mx	0	2.83
139	OVP	X	0	2
140	OVP	Z	106.49	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.863	.55
2	MP3A	Z	11.887	.55
3	MP3A	Mx	-.004	.55
4	MP3B	X	-5.145	.55
5	MP3B	Z	8.911	.55
6	MP3B	Mx	.006	.55
7	MP3C	X	-7.436	.55
8	MP3C	Z	12.879	.55
9	MP3C	Mx	0	.55
10	MP3A	X	-6.863	.55
11	MP3A	Z	11.887	.55
12	MP3A	Mx	-.004	.55
13	MP3B	X	-5.145	.55
14	MP3B	Z	8.911	.55
15	MP3B	Mx	.006	.55
16	MP3C	X	-7.436	.55
17	MP3C	Z	12.879	.55
18	MP3C	Mx	0	.55
19	MP2A	X	-40.044	.58
20	MP2A	Z	69.358	.58
21	MP2A	Mx	.02	.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-40.044	2.58
23	MP2A	Z	69.358	2.58
24	MP2A	Mx	.02	2.58
25	MP2B	X	-18.49	.58
26	MP2B	Z	32.025	.58
27	MP2B	Mx	-.018	.58
28	MP2B	X	-18.49	2.58
29	MP2B	Z	32.025	2.58
30	MP2B	Mx	-.018	2.58
31	MP2C	X	-47.228	.58
32	MP2C	Z	81.802	.58
33	MP2C	Mx	0	.58
34	MP2C	X	-47.228	2.58
35	MP2C	Z	81.802	2.58
36	MP2C	Mx	0	2.58
37	MP3A	X	-83.688	1.42
38	MP3A	Z	144.952	1.42
39	MP3A	Mx	.171	1.42
40	MP3A	X	-83.688	4.92
41	MP3A	Z	144.952	4.92
42	MP3A	Mx	.171	4.92
43	MP3B	X	-60.124	1.42
44	MP3B	Z	104.138	1.42
45	MP3B	Mx	-.09	1.42
46	MP3B	X	-60.124	4.92
47	MP3B	Z	104.138	4.92
48	MP3B	Mx	-.09	4.92
49	MP3C	X	-91.543	1.42
50	MP3C	Z	158.557	1.42
51	MP3C	Mx	-.137	1.42
52	MP3C	X	-91.543	4.92
53	MP3C	Z	158.557	4.92
54	MP3C	Mx	-.137	4.92
55	MP3A	X	-83.688	1.42
56	MP3A	Z	144.952	1.42
57	MP3A	Mx	-.046	1.42
58	MP3A	X	-83.688	4.92
59	MP3A	Z	144.952	4.92
60	MP3A	Mx	-.046	4.92
61	MP3B	X	-60.124	1.42
62	MP3B	Z	104.138	1.42
63	MP3B	Mx	-.09	1.42
64	MP3B	X	-60.124	4.92
65	MP3B	Z	104.138	4.92
66	MP3B	Mx	-.09	4.92
67	MP3C	X	-91.543	1.42
68	MP3C	Z	158.557	1.42
69	MP3C	Mx	.137	1.42
70	MP3C	X	-91.543	4.92
71	MP3C	Z	158.557	4.92
72	MP3C	Mx	.137	4.92
73	MP2A	X	-18.277	4.96
74	MP2A	Z	31.657	4.96
75	MP2A	Mx	.008	4.96
76	MP2B	X	-12.817	4.96
77	MP2B	Z	22.199	4.96
78	MP2B	Mx	-.011	4.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2C	X	-20.097	4.96
80	MP2C	Z	34.809	4.96
81	MP2C	Mx	0	4.96
82	MP1B	X	-36.324	.33
83	MP1B	Z	62.915	.33
84	MP1B	Mx	-.058	.33
85	MP1B	X	-36.324	2.83
86	MP1B	Z	62.915	2.83
87	MP1B	Mx	-.058	2.83
88	MP1C	X	-30.635	.33
89	MP1C	Z	53.062	.33
90	MP1C	Mx	.024	.33
91	MP1C	X	-30.635	2.83
92	MP1C	Z	53.062	2.83
93	MP1C	Mx	.024	2.83
94	MP5B	X	-36.324	.33
95	MP5B	Z	62.915	.33
96	MP5B	Mx	-.058	.33
97	MP5B	X	-36.324	2.83
98	MP5B	Z	62.915	2.83
99	MP5B	Mx	-.058	2.83
100	MP5C	X	-30.635	.33
101	MP5C	Z	53.062	.33
102	MP5C	Mx	.024	.33
103	MP5C	X	-30.635	2.83
104	MP5C	Z	53.062	2.83
105	MP5C	Mx	.024	2.83
106	MP4A	X	-34.467	.67
107	MP4A	Z	59.698	.67
108	MP4A	Mx	.023	.67
109	MP4B	X	-25.122	.67
110	MP4B	Z	43.512	.67
111	MP4B	Mx	-.033	.67
112	MP4C	X	-37.582	.67
113	MP4C	Z	65.094	.67
114	MP4C	Mx	0	.67
115	MP4A	X	-33.273	.67
116	MP4A	Z	57.631	.67
117	MP4A	Mx	-.026	.67
118	MP4B	X	-20.348	.67
119	MP4B	Z	35.245	.67
120	MP4B	Mx	.032	.67
121	MP4C	X	-37.582	.67
122	MP4C	Z	65.094	.67
123	MP4C	Mx	0	.67
124	OVP	X	-59.249	2.5
125	OVP	Z	102.622	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-28.166	.33
128	MP1A	Z	48.785	.33
129	MP1A	Mx	.022	.33
130	MP1A	X	-28.166	2.83
131	MP1A	Z	48.785	2.83
132	MP1A	Mx	.022	2.83
133	MP5A	X	-28.166	.33
134	MP5A	Z	48.785	.33
135	MP5A	Mx	.022	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
136	MP5A	X	-28.166	2.83
137	MP5A	Z	48.785	2.83
138	MP5A	Mx	.022	2.83
139	OVP	X	-59.249	2
140	OVP	Z	102.622	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.903	.55
2	MP3A	Z	5.718	.55
3	MP3A	Mx	-.006	.55
4	MP3B	X	-9.903	.55
5	MP3B	Z	5.718	.55
6	MP3B	Mx	.006	.55
7	MP3C	X	-11.887	.55
8	MP3C	Z	6.863	.55
9	MP3C	Mx	.004	.55
10	MP3A	X	-9.903	.55
11	MP3A	Z	5.718	.55
12	MP3A	Mx	-.006	.55
13	MP3B	X	-9.903	.55
14	MP3B	Z	5.718	.55
15	MP3B	Mx	.006	.55
16	MP3C	X	-11.887	.55
17	MP3C	Z	6.863	.55
18	MP3C	Mx	.004	.55
19	MP2A	X	-44.47	.58
20	MP2A	Z	25.675	.58
21	MP2A	Mx	.022	.58
22	MP2A	X	-44.47	2.58
23	MP2A	Z	25.675	2.58
24	MP2A	Mx	.022	2.58
25	MP2B	X	-44.47	.58
26	MP2B	Z	25.675	.58
27	MP2B	Mx	-.022	.58
28	MP2B	X	-44.47	2.58
29	MP2B	Z	25.675	2.58
30	MP2B	Mx	-.022	2.58
31	MP2C	X	-69.358	.58
32	MP2C	Z	40.044	.58
33	MP2C	Mx	-.02	.58
34	MP2C	X	-69.358	2.58
35	MP2C	Z	40.044	2.58
36	MP2C	Mx	-.02	2.58
37	MP3A	X	-117.743	1.42
38	MP3A	Z	67.979	1.42
39	MP3A	Mx	.139	1.42
40	MP3A	X	-117.743	4.92
41	MP3A	Z	67.979	4.92
42	MP3A	Mx	.139	4.92
43	MP3B	X	-117.743	1.42
44	MP3B	Z	67.979	1.42
45	MP3B	Mx	-.037	1.42
46	MP3B	X	-117.743	4.92
47	MP3B	Z	67.979	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mx	-.037	4.92
49	MP3C	X	-144.952	1.42
50	MP3C	Z	83.688	1.42
51	MP3C	Mx	-.171	1.42
52	MP3C	X	-144.952	4.92
53	MP3C	Z	83.688	4.92
54	MP3C	Mx	-.171	4.92
55	MP3A	X	-117.743	1.42
56	MP3A	Z	67.979	1.42
57	MP3A	Mx	.037	1.42
58	MP3A	X	-117.743	4.92
59	MP3A	Z	67.979	4.92
60	MP3A	Mx	.037	4.92
61	MP3B	X	-117.743	1.42
62	MP3B	Z	67.979	1.42
63	MP3B	Mx	-.139	1.42
64	MP3B	X	-117.743	4.92
65	MP3B	Z	67.979	4.92
66	MP3B	Mx	-.139	4.92
67	MP3C	X	-144.952	1.42
68	MP3C	Z	83.688	1.42
69	MP3C	Mx	.046	1.42
70	MP3C	X	-144.952	4.92
71	MP3C	Z	83.688	4.92
72	MP3C	Mx	.046	4.92
73	MP2A	X	-25.352	4.96
74	MP2A	Z	14.637	4.96
75	MP2A	Mx	.011	4.96
76	MP2B	X	-25.352	4.96
77	MP2B	Z	14.637	4.96
78	MP2B	Mx	-.011	4.96
79	MP2C	X	-31.657	4.96
80	MP2C	Z	18.277	4.96
81	MP2C	Mx	-.008	4.96
82	MP1B	X	-59.63	.33
83	MP1B	Z	34.428	.33
84	MP1B	Mx	-.047	.33
85	MP1B	X	-59.63	2.83
86	MP1B	Z	34.428	2.83
87	MP1B	Mx	-.047	2.83
88	MP1C	X	-49.777	.33
89	MP1C	Z	28.739	.33
90	MP1C	Mx	0	.33
91	MP1C	X	-49.777	2.83
92	MP1C	Z	28.739	2.83
93	MP1C	Mx	0	2.83
94	MP5B	X	-59.63	.33
95	MP5B	Z	34.428	.33
96	MP5B	Mx	-.047	.33
97	MP5B	X	-59.63	2.83
98	MP5B	Z	34.428	2.83
99	MP5B	Mx	-.047	2.83
100	MP5C	X	-49.777	.33
101	MP5C	Z	28.739	.33
102	MP5C	Mx	0	.33
103	MP5C	X	-49.777	2.83
104	MP5C	Z	28.739	2.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP5C	Mx	0	2.83
106	MP4A	X	-48.907	.67
107	MP4A	Z	28.237	.67
108	MP4A	Mx	.033	.67
109	MP4B	X	-48.907	.67
110	MP4B	Z	28.237	.67
111	MP4B	Mx	-.033	.67
112	MP4C	X	-59.698	.67
113	MP4C	Z	34.467	.67
114	MP4C	Mx	-.023	.67
115	MP4A	X	-42.707	.67
116	MP4A	Z	24.657	.67
117	MP4A	Mx	-.034	.67
118	MP4B	X	-42.707	.67
119	MP4B	Z	24.657	.67
120	MP4B	Mx	.034	.67
121	MP4C	X	-57.631	.67
122	MP4C	Z	33.273	.67
123	MP4C	Mx	.026	.67
124	OVP	X	-107.822	2.5
125	OVP	Z	62.251	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-53.066	.33
128	MP1A	Z	30.638	.33
129	MP1A	Mx	.042	.33
130	MP1A	X	-53.066	2.83
131	MP1A	Z	30.638	2.83
132	MP1A	Mx	.042	2.83
133	MP5A	X	-53.066	.33
134	MP5A	Z	30.638	.33
135	MP5A	Mx	.042	.33
136	MP5A	X	-53.066	2.83
137	MP5A	Z	30.638	2.83
138	MP5A	Mx	.042	2.83
139	OVP	X	-107.822	2
140	OVP	Z	62.251	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-10.29	.55
2	MP3A	Z	0	.55
3	MP3A	Mx	-.006	.55
4	MP3B	X	-13.726	.55
5	MP3B	Z	0	.55
6	MP3B	Mx	.004	.55
7	MP3C	X	-11.435	.55
8	MP3C	Z	0	.55
9	MP3C	Mx	.006	.55
10	MP3A	X	-10.29	.55
11	MP3A	Z	0	.55
12	MP3A	Mx	-.006	.55
13	MP3B	X	-13.726	.55
14	MP3B	Z	0	.55
15	MP3B	Mx	.004	.55
16	MP3C	X	-11.435	.55

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	0	.55
18	MP3C	Mx	.006	.55
19	MP2A	X	-36.98	.58
20	MP2A	Z	0	.58
21	MP2A	Mx	.018	.58
22	MP2A	X	-36.98	2.58
23	MP2A	Z	0	2.58
24	MP2A	Mx	.018	2.58
25	MP2B	X	-80.088	.58
26	MP2B	Z	0	.58
27	MP2B	Mx	-.02	.58
28	MP2B	X	-80.088	2.58
29	MP2B	Z	0	2.58
30	MP2B	Mx	-.02	2.58
31	MP2C	X	-51.349	.58
32	MP2C	Z	0	.58
33	MP2C	Mx	-.022	.58
34	MP2C	X	-51.349	2.58
35	MP2C	Z	0	2.58
36	MP2C	Mx	-.022	2.58
37	MP3A	X	-120.248	1.42
38	MP3A	Z	0	1.42
39	MP3A	Mx	.09	1.42
40	MP3A	X	-120.248	4.92
41	MP3A	Z	0	4.92
42	MP3A	Mx	.09	4.92
43	MP3B	X	-167.376	1.42
44	MP3B	Z	0	1.42
45	MP3B	Mx	.046	1.42
46	MP3B	X	-167.376	4.92
47	MP3B	Z	0	4.92
48	MP3B	Mx	.046	4.92
49	MP3C	X	-135.958	1.42
50	MP3C	Z	0	1.42
51	MP3C	Mx	-.139	1.42
52	MP3C	X	-135.958	4.92
53	MP3C	Z	0	4.92
54	MP3C	Mx	-.139	4.92
55	MP3A	X	-120.248	1.42
56	MP3A	Z	0	1.42
57	MP3A	Mx	.09	1.42
58	MP3A	X	-120.248	4.92
59	MP3A	Z	0	4.92
60	MP3A	Mx	.09	4.92
61	MP3B	X	-167.376	1.42
62	MP3B	Z	0	1.42
63	MP3B	Mx	-.171	1.42
64	MP3B	X	-167.376	4.92
65	MP3B	Z	0	4.92
66	MP3B	Mx	-.171	4.92
67	MP3C	X	-135.958	1.42
68	MP3C	Z	0	1.42
69	MP3C	Mx	-.037	1.42
70	MP3C	X	-135.958	4.92
71	MP3C	Z	0	4.92
72	MP3C	Mx	-.037	4.92
73	MP2A	X	-25.633	4.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2A	Z	0	4.96
75	MP2A	Mx	.011	4.96
76	MP2B	X	-36.554	4.96
77	MP2B	Z	0	4.96
78	MP2B	Mx	-.008	4.96
79	MP2C	X	-29.273	4.96
80	MP2C	Z	0	4.96
81	MP2C	Mx	-.011	4.96
82	MP1B	X	-61.27	.33
83	MP1B	Z	0	.33
84	MP1B	Mx	-.024	.33
85	MP1B	X	-61.27	2.83
86	MP1B	Z	0	2.83
87	MP1B	Mx	-.024	2.83
88	MP1C	X	-61.27	.33
89	MP1C	Z	0	.33
90	MP1C	Mx	-.024	.33
91	MP1C	X	-61.27	2.83
92	MP1C	Z	0	2.83
93	MP1C	Mx	-.024	2.83
94	MP5B	X	-61.27	.33
95	MP5B	Z	0	.33
96	MP5B	Mx	-.024	.33
97	MP5B	X	-61.27	2.83
98	MP5B	Z	0	2.83
99	MP5B	Mx	-.024	2.83
100	MP5C	X	-61.27	.33
101	MP5C	Z	0	.33
102	MP5C	Mx	-.024	.33
103	MP5C	X	-61.27	2.83
104	MP5C	Z	0	2.83
105	MP5C	Mx	-.024	2.83
106	MP4A	X	-50.243	.67
107	MP4A	Z	0	.67
108	MP4A	Mx	.033	.67
109	MP4B	X	-68.933	.67
110	MP4B	Z	0	.67
111	MP4B	Mx	-.023	.67
112	MP4C	X	-56.473	.67
113	MP4C	Z	0	.67
114	MP4C	Mx	-.033	.67
115	MP4A	X	-40.697	.67
116	MP4A	Z	0	.67
117	MP4A	Mx	-.032	.67
118	MP4B	X	-66.547	.67
119	MP4B	Z	0	.67
120	MP4B	Mx	.026	.67
121	MP4C	X	-49.314	.67
122	MP4C	Z	0	.67
123	MP4C	Mx	.034	.67
124	OVP	X	-118.498	2.5
125	OVP	Z	0	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-63.747	.33
128	MP1A	Z	0	.33
129	MP1A	Mx	.05	.33
130	MP1A	X	-63.747	2.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
131	MP1A	Z	0	2.83
132	MP1A	Mx	.05	2.83
133	MP5A	X	-63.747	.33
134	MP5A	Z	0	.33
135	MP5A	Mx	.05	.33
136	MP5A	X	-63.747	2.83
137	MP5A	Z	0	2.83
138	MP5A	Mx	.05	2.83
139	OVP	X	-118.498	2
140	OVP	Z	0	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.903	.55
2	MP3A	Z	-5.718	.55
3	MP3A	Mx	-.006	.55
4	MP3B	X	-12.879	.55
5	MP3B	Z	-7.436	.55
6	MP3B	Mx	0	.55
7	MP3C	X	-8.911	.55
8	MP3C	Z	-5.145	.55
9	MP3C	Mx	.006	.55
10	MP3A	X	-9.903	.55
11	MP3A	Z	-5.718	.55
12	MP3A	Mx	-.006	.55
13	MP3B	X	-12.879	.55
14	MP3B	Z	-7.436	.55
15	MP3B	Mx	0	.55
16	MP3C	X	-8.911	.55
17	MP3C	Z	-5.145	.55
18	MP3C	Mx	.006	.55
19	MP2A	X	-44.47	.58
20	MP2A	Z	-25.675	.58
21	MP2A	Mx	.022	.58
22	MP2A	X	-44.47	2.58
23	MP2A	Z	-25.675	2.58
24	MP2A	Mx	.022	2.58
25	MP2B	X	-81.802	.58
26	MP2B	Z	-47.228	.58
27	MP2B	Mx	0	.58
28	MP2B	X	-81.802	2.58
29	MP2B	Z	-47.228	2.58
30	MP2B	Mx	0	2.58
31	MP2C	X	-32.025	.58
32	MP2C	Z	-18.49	.58
33	MP2C	Mx	-.018	.58
34	MP2C	X	-32.025	2.58
35	MP2C	Z	-18.49	2.58
36	MP2C	Mx	-.018	2.58
37	MP3A	X	-117.743	1.42
38	MP3A	Z	-67.979	1.42
39	MP3A	Mx	.037	1.42
40	MP3A	X	-117.743	4.92
41	MP3A	Z	-67.979	4.92
42	MP3A	Mx	.037	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	-158.557	1.42
44	MP3B	Z	-91.543	1.42
45	MP3B	Mx	.137	1.42
46	MP3B	X	-158.557	4.92
47	MP3B	Z	-91.543	4.92
48	MP3B	Mx	.137	4.92
49	MP3C	X	-104.138	1.42
50	MP3C	Z	-60.124	1.42
51	MP3C	Mx	-.09	1.42
52	MP3C	X	-104.138	4.92
53	MP3C	Z	-60.124	4.92
54	MP3C	Mx	-.09	4.92
55	MP3A	X	-117.743	1.42
56	MP3A	Z	-67.979	1.42
57	MP3A	Mx	.139	1.42
58	MP3A	X	-117.743	4.92
59	MP3A	Z	-67.979	4.92
60	MP3A	Mx	.139	4.92
61	MP3B	X	-158.557	1.42
62	MP3B	Z	-91.543	1.42
63	MP3B	Mx	-.137	1.42
64	MP3B	X	-158.557	4.92
65	MP3B	Z	-91.543	4.92
66	MP3B	Mx	-.137	4.92
67	MP3C	X	-104.138	1.42
68	MP3C	Z	-60.124	1.42
69	MP3C	Mx	-.09	1.42
70	MP3C	X	-104.138	4.92
71	MP3C	Z	-60.124	4.92
72	MP3C	Mx	-.09	4.92
73	MP2A	X	-25.352	4.96
74	MP2A	Z	-14.637	4.96
75	MP2A	Mx	.011	4.96
76	MP2B	X	-34.809	4.96
77	MP2B	Z	-20.097	4.96
78	MP2B	Mx	0	4.96
79	MP2C	X	-22.199	4.96
80	MP2C	Z	-12.817	4.96
81	MP2C	Mx	-.011	4.96
82	MP1B	X	-49.777	.33
83	MP1B	Z	-28.739	.33
84	MP1B	Mx	0	.33
85	MP1B	X	-49.777	2.83
86	MP1B	Z	-28.739	2.83
87	MP1B	Mx	0	2.83
88	MP1C	X	-59.63	.33
89	MP1C	Z	-34.428	.33
90	MP1C	Mx	-.047	.33
91	MP1C	X	-59.63	2.83
92	MP1C	Z	-34.428	2.83
93	MP1C	Mx	-.047	2.83
94	MP5B	X	-49.777	.33
95	MP5B	Z	-28.739	.33
96	MP5B	Mx	0	.33
97	MP5B	X	-49.777	2.83
98	MP5B	Z	-28.739	2.83
99	MP5B	Mx	0	2.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP5C	X	-59.63	.33
101	MP5C	Z	-34.428	.33
102	MP5C	Mx	-.047	.33
103	MP5C	X	-59.63	2.83
104	MP5C	Z	-34.428	2.83
105	MP5C	Mx	-.047	2.83
106	MP4A	X	-48.907	.67
107	MP4A	Z	-28.237	.67
108	MP4A	Mx	.033	.67
109	MP4B	X	-65.094	.67
110	MP4B	Z	-37.582	.67
111	MP4B	Mx	0	.67
112	MP4C	X	-43.512	.67
113	MP4C	Z	-25.122	.67
114	MP4C	Mx	-.033	.67
115	MP4A	X	-42.707	.67
116	MP4A	Z	-24.657	.67
117	MP4A	Mx	-.034	.67
118	MP4B	X	-65.094	.67
119	MP4B	Z	-37.582	.67
120	MP4B	Mx	0	.67
121	MP4C	X	-35.245	.67
122	MP4C	Z	-20.348	.67
123	MP4C	Mx	.032	.67
124	OVP	X	-92.223	2.5
125	OVP	Z	-53.245	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-53.066	.33
128	MP1A	Z	-30.638	.33
129	MP1A	Mx	.042	.33
130	MP1A	X	-53.066	2.83
131	MP1A	Z	-30.638	2.83
132	MP1A	Mx	.042	2.83
133	MP5A	X	-53.066	.33
134	MP5A	Z	-30.638	.33
135	MP5A	Mx	.042	.33
136	MP5A	X	-53.066	2.83
137	MP5A	Z	-30.638	2.83
138	MP5A	Mx	.042	2.83
139	OVP	X	-92.223	2
140	OVP	Z	-53.245	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.863	.55
2	MP3A	Z	-11.887	.55
3	MP3A	Mx	-.004	.55
4	MP3B	X	-6.863	.55
5	MP3B	Z	-11.887	.55
6	MP3B	Mx	-.004	.55
7	MP3C	X	-5.718	.55
8	MP3C	Z	-9.903	.55
9	MP3C	Mx	.006	.55
10	MP3A	X	-6.863	.55
11	MP3A	Z	-11.887	.55

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3A	Mx	-.004	.55
13	MP3B	X	-6.863	.55
14	MP3B	Z	-11.887	.55
15	MP3B	Mx	-.004	.55
16	MP3C	X	-5.718	.55
17	MP3C	Z	-9.903	.55
18	MP3C	Mx	.006	.55
19	MP2A	X	-40.044	.58
20	MP2A	Z	-69.358	.58
21	MP2A	Mx	.02	.58
22	MP2A	X	-40.044	2.58
23	MP2A	Z	-69.358	2.58
24	MP2A	Mx	.02	2.58
25	MP2B	X	-40.044	.58
26	MP2B	Z	-69.358	.58
27	MP2B	Mx	.02	.58
28	MP2B	X	-40.044	2.58
29	MP2B	Z	-69.358	2.58
30	MP2B	Mx	.02	2.58
31	MP2C	X	-25.675	.58
32	MP2C	Z	-44.47	.58
33	MP2C	Mx	-.022	.58
34	MP2C	X	-25.675	2.58
35	MP2C	Z	-44.47	2.58
36	MP2C	Mx	-.022	2.58
37	MP3A	X	-83.688	1.42
38	MP3A	Z	-144.952	1.42
39	MP3A	Mx	-.046	1.42
40	MP3A	X	-83.688	4.92
41	MP3A	Z	-144.952	4.92
42	MP3A	Mx	-.046	4.92
43	MP3B	X	-83.688	1.42
44	MP3B	Z	-144.952	1.42
45	MP3B	Mx	.171	1.42
46	MP3B	X	-83.688	4.92
47	MP3B	Z	-144.952	4.92
48	MP3B	Mx	.171	4.92
49	MP3C	X	-67.979	1.42
50	MP3C	Z	-117.743	1.42
51	MP3C	Mx	-.037	1.42
52	MP3C	X	-67.979	4.92
53	MP3C	Z	-117.743	4.92
54	MP3C	Mx	-.037	4.92
55	MP3A	X	-83.688	1.42
56	MP3A	Z	-144.952	1.42
57	MP3A	Mx	.171	1.42
58	MP3A	X	-83.688	4.92
59	MP3A	Z	-144.952	4.92
60	MP3A	Mx	.171	4.92
61	MP3B	X	-83.688	1.42
62	MP3B	Z	-144.952	1.42
63	MP3B	Mx	-.046	1.42
64	MP3B	X	-83.688	4.92
65	MP3B	Z	-144.952	4.92
66	MP3B	Mx	-.046	4.92
67	MP3C	X	-67.979	1.42
68	MP3C	Z	-117.743	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3C	Mx	-.139	1.42
70	MP3C	X	-67.979	4.92
71	MP3C	Z	-117.743	4.92
72	MP3C	Mx	-.139	4.92
73	MP2A	X	-18.277	4.96
74	MP2A	Z	-31.657	4.96
75	MP2A	Mx	.008	4.96
76	MP2B	X	-18.277	4.96
77	MP2B	Z	-31.657	4.96
78	MP2B	Mx	.008	4.96
79	MP2C	X	-14.637	4.96
80	MP2C	Z	-25.352	4.96
81	MP2C	Mx	-.011	4.96
82	MP1B	X	-30.635	.33
83	MP1B	Z	-53.062	.33
84	MP1B	Mx	.024	.33
85	MP1B	X	-30.635	2.83
86	MP1B	Z	-53.062	2.83
87	MP1B	Mx	.024	2.83
88	MP1C	X	-36.324	.33
89	MP1C	Z	-62.915	.33
90	MP1C	Mx	-.058	.33
91	MP1C	X	-36.324	2.83
92	MP1C	Z	-62.915	2.83
93	MP1C	Mx	-.058	2.83
94	MP5B	X	-30.635	.33
95	MP5B	Z	-53.062	.33
96	MP5B	Mx	.024	.33
97	MP5B	X	-30.635	2.83
98	MP5B	Z	-53.062	2.83
99	MP5B	Mx	.024	2.83
100	MP5C	X	-36.324	.33
101	MP5C	Z	-62.915	.33
102	MP5C	Mx	-.058	.33
103	MP5C	X	-36.324	2.83
104	MP5C	Z	-62.915	2.83
105	MP5C	Mx	-.058	2.83
106	MP4A	X	-34.467	.67
107	MP4A	Z	-59.698	.67
108	MP4A	Mx	.023	.67
109	MP4B	X	-34.467	.67
110	MP4B	Z	-59.698	.67
111	MP4B	Mx	.023	.67
112	MP4C	X	-28.237	.67
113	MP4C	Z	-48.907	.67
114	MP4C	Mx	-.033	.67
115	MP4A	X	-33.273	.67
116	MP4A	Z	-57.631	.67
117	MP4A	Mx	-.026	.67
118	MP4B	X	-33.273	.67
119	MP4B	Z	-57.631	.67
120	MP4B	Mx	-.026	.67
121	MP4C	X	-24.657	.67
122	MP4C	Z	-42.707	.67
123	MP4C	Mx	.034	.67
124	OVP	X	-50.243	2.5
125	OVP	Z	-87.023	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
126	OVP	Mx	0	2.5
127	MP1A	X	-28.166	.33
128	MP1A	Z	-48.785	.33
129	MP1A	Mx	.022	.33
130	MP1A	X	-28.166	2.83
131	MP1A	Z	-48.785	2.83
132	MP1A	Mx	.022	2.83
133	MP5A	X	-28.166	.33
134	MP5A	Z	-48.785	.33
135	MP5A	Mx	.022	.33
136	MP5A	X	-28.166	2.83
137	MP5A	Z	-48.785	2.83
138	MP5A	Mx	.022	2.83
139	OVP	X	-50.243	2
140	OVP	Z	-87.023	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.55
2	MP3A	Z	-4.689	.55
3	MP3A	Mx	0	.55
4	MP3B	X	0	.55
5	MP3B	Z	-3.892	.55
6	MP3B	Mx	-.002	.55
7	MP3C	X	0	.55
8	MP3C	Z	-4.423	.55
9	MP3C	Mx	.001	.55
10	MP3A	X	0	.55
11	MP3A	Z	-4.689	.55
12	MP3A	Mx	0	.55
13	MP3B	X	0	.55
14	MP3B	Z	-3.892	.55
15	MP3B	Mx	-.002	.55
16	MP3C	X	0	.55
17	MP3C	Z	-4.423	.55
18	MP3C	Mx	.001	.55
19	MP2A	X	0	.58
20	MP2A	Z	-20.309	.58
21	MP2A	Mx	0	.58
22	MP2A	X	0	2.58
23	MP2A	Z	-20.309	2.58
24	MP2A	Mx	0	2.58
25	MP2B	X	0	.58
26	MP2B	Z	-11.841	.58
27	MP2B	Mx	.005	.58
28	MP2B	X	0	2.58
29	MP2B	Z	-11.841	2.58
30	MP2B	Mx	.005	2.58
31	MP2C	X	0	.58
32	MP2C	Z	-17.486	.58
33	MP2C	Mx	-.004	.58
34	MP2C	X	0	2.58
35	MP2C	Z	-17.486	2.58
36	MP2C	Mx	-.004	2.58
37	MP3A	X	0	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	-37.686	1.42
39	MP3A	Mx	-.028	1.42
40	MP3A	X	0	4.92
41	MP3A	Z	-37.686	4.92
42	MP3A	Mx	-.028	4.92
43	MP3B	X	0	1.42
44	MP3B	Z	-28.982	1.42
45	MP3B	Mx	.03	1.42
46	MP3B	X	0	4.92
47	MP3B	Z	-28.982	4.92
48	MP3B	Mx	.03	4.92
49	MP3C	X	0	1.42
50	MP3C	Z	-34.785	1.42
51	MP3C	Mx	.01	1.42
52	MP3C	X	0	4.92
53	MP3C	Z	-34.785	4.92
54	MP3C	Mx	.01	4.92
55	MP3A	X	0	1.42
56	MP3A	Z	-37.686	1.42
57	MP3A	Mx	.028	1.42
58	MP3A	X	0	4.92
59	MP3A	Z	-37.686	4.92
60	MP3A	Mx	.028	4.92
61	MP3B	X	0	1.42
62	MP3B	Z	-28.982	1.42
63	MP3B	Mx	.008	1.42
64	MP3B	X	0	4.92
65	MP3B	Z	-28.982	4.92
66	MP3B	Mx	.008	4.92
67	MP3C	X	0	1.42
68	MP3C	Z	-34.785	1.42
69	MP3C	Mx	-.036	1.42
70	MP3C	X	0	4.92
71	MP3C	Z	-34.785	4.92
72	MP3C	Mx	-.036	4.92
73	MP2A	X	0	4.96
74	MP2A	Z	-10.339	4.96
75	MP2A	Mx	0	4.96
76	MP2B	X	0	4.96
77	MP2B	Z	-8.113	4.96
78	MP2B	Mx	.003	4.96
79	MP2C	X	0	4.96
80	MP2C	Z	-9.597	4.96
81	MP2C	Mx	-.002	4.96
82	MP1B	X	0	.33
83	MP1B	Z	-15.529	.33
84	MP1B	Mx	.011	.33
85	MP1B	X	0	2.83
86	MP1B	Z	-15.529	2.83
87	MP1B	Mx	.011	2.83
88	MP1C	X	0	.33
89	MP1C	Z	-15.529	.33
90	MP1C	Mx	-.011	.33
91	MP1C	X	0	2.83
92	MP1C	Z	-15.529	2.83
93	MP1C	Mx	-.011	2.83
94	MP5B	X	0	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP5B	Z	-15.529	.33
96	MP5B	Mx	.011	.33
97	MP5B	X	0	2.83
98	MP5B	Z	-15.529	2.83
99	MP5B	Mx	.011	2.83
100	MP5C	X	0	.33
101	MP5C	Z	-15.529	.33
102	MP5C	Mx	-.011	.33
103	MP5C	X	0	2.83
104	MP5C	Z	-15.529	2.83
105	MP5C	Mx	-.011	2.83
106	MP4A	X	0	.67
107	MP4A	Z	-17.591	.67
108	MP4A	Mx	0	.67
109	MP4B	X	0	.67
110	MP4B	Z	-13.753	.67
111	MP4B	Mx	.008	.67
112	MP4C	X	0	.67
113	MP4C	Z	-16.312	.67
114	MP4C	Mx	-.005	.67
115	MP4A	X	0	.67
116	MP4A	Z	-17.591	.67
117	MP4A	Mx	0	.67
118	MP4B	X	0	.67
119	MP4B	Z	-12.295	.67
120	MP4B	Mx	-.008	.67
121	MP4C	X	0	.67
122	MP4C	Z	-15.826	.67
123	MP4C	Mx	.006	.67
124	OVP	X	0	2.5
125	OVP	Z	-33.426	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	0	.33
128	MP1A	Z	-12.512	.33
129	MP1A	Mx	0	.33
130	MP1A	X	0	2.83
131	MP1A	Z	-12.512	2.83
132	MP1A	Mx	0	2.83
133	MP5A	X	0	.33
134	MP5A	Z	-12.512	.33
135	MP5A	Mx	0	.33
136	MP5A	X	0	2.83
137	MP5A	Z	-12.512	2.83
138	MP5A	Mx	0	2.83
139	OVP	X	0	2
140	OVP	Z	-33.426	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.212	.55
2	MP3A	Z	-3.831	.55
3	MP3A	Mx	.001	.55
4	MP3B	X	1.813	.55
5	MP3B	Z	-3.14	.55
6	MP3B	Mx	-.002	.55

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3C	X	2.345	.55
8	MP3C	Z	-4.061	.55
9	MP3C	Mx	0	.55
10	MP3A	X	2.212	.55
11	MP3A	Z	-3.831	.55
12	MP3A	Mx	.001	.55
13	MP3B	X	1.813	.55
14	MP3B	Z	-3.14	.55
15	MP3B	Mx	-.002	.55
16	MP3C	X	2.345	.55
17	MP3C	Z	-4.061	.55
18	MP3C	Mx	0	.55
19	MP2A	X	8.743	.58
20	MP2A	Z	-15.144	.58
21	MP2A	Mx	-.004	.58
22	MP2A	X	8.743	2.58
23	MP2A	Z	-15.144	2.58
24	MP2A	Mx	-.004	2.58
25	MP2B	X	4.509	.58
26	MP2B	Z	-7.811	.58
27	MP2B	Mx	.005	.58
28	MP2B	X	4.509	2.58
29	MP2B	Z	-7.811	2.58
30	MP2B	Mx	.005	2.58
31	MP2C	X	10.154	.58
32	MP2C	Z	-17.588	.58
33	MP2C	Mx	0	.58
34	MP2C	X	10.154	2.58
35	MP2C	Z	-17.588	2.58
36	MP2C	Mx	0	2.58
37	MP3A	X	17.392	1.42
38	MP3A	Z	-30.124	1.42
39	MP3A	Mx	-.036	1.42
40	MP3A	X	17.392	4.92
41	MP3A	Z	-30.124	4.92
42	MP3A	Mx	-.036	4.92
43	MP3B	X	13.04	1.42
44	MP3B	Z	-22.586	1.42
45	MP3B	Mx	.02	1.42
46	MP3B	X	13.04	4.92
47	MP3B	Z	-22.586	4.92
48	MP3B	Mx	.02	4.92
49	MP3C	X	18.843	1.42
50	MP3C	Z	-32.637	1.42
51	MP3C	Mx	.028	1.42
52	MP3C	X	18.843	4.92
53	MP3C	Z	-32.637	4.92
54	MP3C	Mx	.028	4.92
55	MP3A	X	17.392	1.42
56	MP3A	Z	-30.124	1.42
57	MP3A	Mx	.01	1.42
58	MP3A	X	17.392	4.92
59	MP3A	Z	-30.124	4.92
60	MP3A	Mx	.01	4.92
61	MP3B	X	13.04	1.42
62	MP3B	Z	-22.586	1.42
63	MP3B	Mx	.02	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3B	X	13.04	4.92
65	MP3B	Z	-22.586	4.92
66	MP3B	Mx	.02	4.92
67	MP3C	X	18.843	1.42
68	MP3C	Z	-32.637	1.42
69	MP3C	Mx	-.028	1.42
70	MP3C	X	18.843	4.92
71	MP3C	Z	-32.637	4.92
72	MP3C	Mx	-.028	4.92
73	MP2A	X	4.798	4.96
74	MP2A	Z	-8.311	4.96
75	MP2A	Mx	-.002	4.96
76	MP2B	X	3.686	4.96
77	MP2B	Z	-6.384	4.96
78	MP2B	Mx	.003	4.96
79	MP2C	X	5.169	4.96
80	MP2C	Z	-8.954	4.96
81	MP2C	Mx	0	4.96
82	MP1B	X	8.117	.33
83	MP1B	Z	-14.059	.33
84	MP1B	Mx	.013	.33
85	MP1B	X	8.117	2.83
86	MP1B	Z	-14.059	2.83
87	MP1B	Mx	.013	2.83
88	MP1C	X	7.06	.33
89	MP1C	Z	-12.228	.33
90	MP1C	Mx	-.006	.33
91	MP1C	X	7.06	2.83
92	MP1C	Z	-12.228	2.83
93	MP1C	Mx	-.006	2.83
94	MP5B	X	8.117	.33
95	MP5B	Z	-14.059	.33
96	MP5B	Mx	.013	.33
97	MP5B	X	8.117	2.83
98	MP5B	Z	-14.059	2.83
99	MP5B	Mx	.013	2.83
100	MP5C	X	7.06	.33
101	MP5C	Z	-12.228	.33
102	MP5C	Mx	-.006	.33
103	MP5C	X	7.06	2.83
104	MP5C	Z	-12.228	2.83
105	MP5C	Mx	-.006	2.83
106	MP4A	X	8.156	.67
107	MP4A	Z	-14.127	.67
108	MP4A	Mx	-.005	.67
109	MP4B	X	6.237	.67
110	MP4B	Z	-10.803	.67
111	MP4B	Mx	.008	.67
112	MP4C	X	8.796	.67
113	MP4C	Z	-15.234	.67
114	MP4C	Mx	0	.67
115	MP4A	X	7.913	.67
116	MP4A	Z	-13.706	.67
117	MP4A	Mx	.006	.67
118	MP4B	X	5.265	.67
119	MP4B	Z	-9.119	.67
120	MP4B	Mx	-.008	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
121	MP4C	X	8.796	.67
122	MP4C	Z	-15.234	.67
123	MP4C	Mx	0	.67
124	OVP	X	14.865	2.5
125	OVP	Z	-25.747	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	6.493	.33
128	MP1A	Z	-11.246	.33
129	MP1A	Mx	-.005	.33
130	MP1A	X	6.493	2.83
131	MP1A	Z	-11.246	2.83
132	MP1A	Mx	-.005	2.83
133	MP5A	X	6.493	.33
134	MP5A	Z	-11.246	.33
135	MP5A	Mx	-.005	.33
136	MP5A	X	6.493	2.83
137	MP5A	Z	-11.246	2.83
138	MP5A	Mx	-.005	2.83
139	OVP	X	14.865	2
140	OVP	Z	-25.747	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.37	.55
2	MP3A	Z	-1.946	.55
3	MP3A	Mx	.002	.55
4	MP3B	X	3.37	.55
5	MP3B	Z	-1.946	.55
6	MP3B	Mx	-.002	.55
7	MP3C	X	3.831	.55
8	MP3C	Z	-2.212	.55
9	MP3C	Mx	-.001	.55
10	MP3A	X	3.37	.55
11	MP3A	Z	-1.946	.55
12	MP3A	Mx	.002	.55
13	MP3B	X	3.37	.55
14	MP3B	Z	-1.946	.55
15	MP3B	Mx	-.002	.55
16	MP3C	X	3.831	.55
17	MP3C	Z	-2.212	.55
18	MP3C	Mx	-.001	.55
19	MP2A	X	10.255	.58
20	MP2A	Z	-5.921	.58
21	MP2A	Mx	-.005	.58
22	MP2A	X	10.255	2.58
23	MP2A	Z	-5.921	2.58
24	MP2A	Mx	-.005	2.58
25	MP2B	X	10.255	.58
26	MP2B	Z	-5.921	.58
27	MP2B	Mx	.005	.58
28	MP2B	X	10.255	2.58
29	MP2B	Z	-5.921	2.58
30	MP2B	Mx	.005	2.58
31	MP2C	X	15.144	.58
32	MP2C	Z	-8.743	.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.004	.58
34	MP2C	X	15.144	2.58
35	MP2C	Z	-8.743	2.58
36	MP2C	Mx	.004	2.58
37	MP3A	X	25.099	1.42
38	MP3A	Z	-14.491	1.42
39	MP3A	Mx	-.03	1.42
40	MP3A	X	25.099	4.92
41	MP3A	Z	-14.491	4.92
42	MP3A	Mx	-.03	4.92
43	MP3B	X	25.099	1.42
44	MP3B	Z	-14.491	1.42
45	MP3B	Mx	.008	1.42
46	MP3B	X	25.099	4.92
47	MP3B	Z	-14.491	4.92
48	MP3B	Mx	.008	4.92
49	MP3C	X	30.124	1.42
50	MP3C	Z	-17.392	1.42
51	MP3C	Mx	.036	1.42
52	MP3C	X	30.124	4.92
53	MP3C	Z	-17.392	4.92
54	MP3C	Mx	.036	4.92
55	MP3A	X	25.099	1.42
56	MP3A	Z	-14.491	1.42
57	MP3A	Mx	-.008	1.42
58	MP3A	X	25.099	4.92
59	MP3A	Z	-14.491	4.92
60	MP3A	Mx	-.008	4.92
61	MP3B	X	25.099	1.42
62	MP3B	Z	-14.491	1.42
63	MP3B	Mx	.03	1.42
64	MP3B	X	25.099	4.92
65	MP3B	Z	-14.491	4.92
66	MP3B	Mx	.03	4.92
67	MP3C	X	30.124	1.42
68	MP3C	Z	-17.392	1.42
69	MP3C	Mx	-.01	1.42
70	MP3C	X	30.124	4.92
71	MP3C	Z	-17.392	4.92
72	MP3C	Mx	-.01	4.92
73	MP2A	X	7.026	4.96
74	MP2A	Z	-4.057	4.96
75	MP2A	Mx	-.003	4.96
76	MP2B	X	7.026	4.96
77	MP2B	Z	-4.057	4.96
78	MP2B	Mx	.003	4.96
79	MP2C	X	8.311	4.96
80	MP2C	Z	-4.798	4.96
81	MP2C	Mx	.002	4.96
82	MP1B	X	13.448	.33
83	MP1B	Z	-7.764	.33
84	MP1B	Mx	.011	.33
85	MP1B	X	13.448	2.83
86	MP1B	Z	-7.764	2.83
87	MP1B	Mx	.011	2.83
88	MP1C	X	11.617	.33
89	MP1C	Z	-6.707	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1C	Mx	0	.33
91	MP1C	X	11.617	2.83
92	MP1C	Z	-6.707	2.83
93	MP1C	Mx	0	2.83
94	MP5B	X	13.448	.33
95	MP5B	Z	-7.764	.33
96	MP5B	Mx	.011	.33
97	MP5B	X	13.448	2.83
98	MP5B	Z	-7.764	2.83
99	MP5B	Mx	.011	2.83
100	MP5C	X	11.617	.33
101	MP5C	Z	-6.707	.33
102	MP5C	Mx	0	.33
103	MP5C	X	11.617	2.83
104	MP5C	Z	-6.707	2.83
105	MP5C	Mx	0	2.83
106	MP4A	X	11.911	.67
107	MP4A	Z	-6.877	.67
108	MP4A	Mx	-.008	.67
109	MP4B	X	11.911	.67
110	MP4B	Z	-6.877	.67
111	MP4B	Mx	.008	.67
112	MP4C	X	14.127	.67
113	MP4C	Z	-8.156	.67
114	MP4C	Mx	.005	.67
115	MP4A	X	10.648	.67
116	MP4A	Z	-6.147	.67
117	MP4A	Mx	.008	.67
118	MP4B	X	10.648	.67
119	MP4B	Z	-6.147	.67
120	MP4B	Mx	-.008	.67
121	MP4C	X	13.706	.67
122	MP4C	Z	-7.913	.67
123	MP4C	Mx	-.006	.67
124	OVP	X	24.146	2.5
125	OVP	Z	-13.941	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	12.066	.33
128	MP1A	Z	-6.966	.33
129	MP1A	Mx	-.01	.33
130	MP1A	X	12.066	2.83
131	MP1A	Z	-6.966	2.83
132	MP1A	Mx	-.01	2.83
133	MP5A	X	12.066	.33
134	MP5A	Z	-6.966	.33
135	MP5A	Mx	-.01	.33
136	MP5A	X	12.066	2.83
137	MP5A	Z	-6.966	2.83
138	MP5A	Mx	-.01	2.83
139	OVP	X	24.146	2
140	OVP	Z	-13.941	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.626	.55

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	0	.55
3	MP3A	Mx	.002	.55
4	MP3B	X	4.423	.55
5	MP3B	Z	0	.55
6	MP3B	Mx	-.001	.55
7	MP3C	X	3.892	.55
8	MP3C	Z	0	.55
9	MP3C	Mx	-.002	.55
10	MP3A	X	3.626	.55
11	MP3A	Z	0	.55
12	MP3A	Mx	.002	.55
13	MP3B	X	4.423	.55
14	MP3B	Z	0	.55
15	MP3B	Mx	-.001	.55
16	MP3C	X	3.892	.55
17	MP3C	Z	0	.55
18	MP3C	Mx	-.002	.55
19	MP2A	X	9.019	.58
20	MP2A	Z	0	.58
21	MP2A	Mx	-.005	.58
22	MP2A	X	9.019	2.58
23	MP2A	Z	0	2.58
24	MP2A	Mx	-.005	2.58
25	MP2B	X	17.486	.58
26	MP2B	Z	0	.58
27	MP2B	Mx	.004	.58
28	MP2B	X	17.486	2.58
29	MP2B	Z	0	2.58
30	MP2B	Mx	.004	2.58
31	MP2C	X	11.841	.58
32	MP2C	Z	0	.58
33	MP2C	Mx	.005	.58
34	MP2C	X	11.841	2.58
35	MP2C	Z	0	2.58
36	MP2C	Mx	.005	2.58
37	MP3A	X	26.081	1.42
38	MP3A	Z	0	1.42
39	MP3A	Mx	-.02	1.42
40	MP3A	X	26.081	4.92
41	MP3A	Z	0	4.92
42	MP3A	Mx	-.02	4.92
43	MP3B	X	34.785	1.42
44	MP3B	Z	0	1.42
45	MP3B	Mx	-.01	1.42
46	MP3B	X	34.785	4.92
47	MP3B	Z	0	4.92
48	MP3B	Mx	-.01	4.92
49	MP3C	X	28.982	1.42
50	MP3C	Z	0	1.42
51	MP3C	Mx	.03	1.42
52	MP3C	X	28.982	4.92
53	MP3C	Z	0	4.92
54	MP3C	Mx	.03	4.92
55	MP3A	X	26.081	1.42
56	MP3A	Z	0	1.42
57	MP3A	Mx	-.02	1.42
58	MP3A	X	26.081	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP3A	Z	0	4.92
60	MP3A	Mx	-.02	4.92
61	MP3B	X	34.785	1.42
62	MP3B	Z	0	1.42
63	MP3B	Mx	.036	1.42
64	MP3B	X	34.785	4.92
65	MP3B	Z	0	4.92
66	MP3B	Mx	.036	4.92
67	MP3C	X	28.982	1.42
68	MP3C	Z	0	1.42
69	MP3C	Mx	.008	1.42
70	MP3C	X	28.982	4.92
71	MP3C	Z	0	4.92
72	MP3C	Mx	.008	4.92
73	MP2A	X	7.371	4.96
74	MP2A	Z	0	4.96
75	MP2A	Mx	-.003	4.96
76	MP2B	X	9.597	4.96
77	MP2B	Z	0	4.96
78	MP2B	Mx	.002	4.96
79	MP2C	X	8.113	4.96
80	MP2C	Z	0	4.96
81	MP2C	Mx	.003	4.96
82	MP1B	X	14.119	.33
83	MP1B	Z	0	.33
84	MP1B	Mx	.006	.33
85	MP1B	X	14.119	2.83
86	MP1B	Z	0	2.83
87	MP1B	Mx	.006	2.83
88	MP1C	X	14.119	.33
89	MP1C	Z	0	.33
90	MP1C	Mx	.006	.33
91	MP1C	X	14.119	2.83
92	MP1C	Z	0	2.83
93	MP1C	Mx	.006	2.83
94	MP5B	X	14.119	.33
95	MP5B	Z	0	.33
96	MP5B	Mx	.006	.33
97	MP5B	X	14.119	2.83
98	MP5B	Z	0	2.83
99	MP5B	Mx	.006	2.83
100	MP5C	X	14.119	.33
101	MP5C	Z	0	.33
102	MP5C	Mx	.006	.33
103	MP5C	X	14.119	2.83
104	MP5C	Z	0	2.83
105	MP5C	Mx	.006	2.83
106	MP4A	X	12.474	.67
107	MP4A	Z	0	.67
108	MP4A	Mx	-.008	.67
109	MP4B	X	16.312	.67
110	MP4B	Z	0	.67
111	MP4B	Mx	.005	.67
112	MP4C	X	13.753	.67
113	MP4C	Z	0	.67
114	MP4C	Mx	.008	.67
115	MP4A	X	10.53	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP4A	Z	0	.67
117	MP4A	Mx	.008	.67
118	MP4B	X	15.826	.67
119	MP4B	Z	0	.67
120	MP4B	Mx	-.006	.67
121	MP4C	X	12.295	.67
122	MP4C	Z	0	.67
123	MP4C	Mx	-.008	.67
124	OVP	X	29.73	2.5
125	OVP	Z	0	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	14.407	.33
128	MP1A	Z	0	.33
129	MP1A	Mx	-.011	.33
130	MP1A	X	14.407	2.83
131	MP1A	Z	0	2.83
132	MP1A	Mx	-.011	2.83
133	MP5A	X	14.407	.33
134	MP5A	Z	0	.33
135	MP5A	Mx	-.011	.33
136	MP5A	X	14.407	2.83
137	MP5A	Z	0	2.83
138	MP5A	Mx	-.011	2.83
139	OVP	X	29.73	2
140	OVP	Z	0	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.37	.55
2	MP3A	Z	1.946	.55
3	MP3A	Mx	.002	.55
4	MP3B	X	4.061	.55
5	MP3B	Z	2.345	.55
6	MP3B	Mx	0	.55
7	MP3C	X	3.14	.55
8	MP3C	Z	1.813	.55
9	MP3C	Mx	-.002	.55
10	MP3A	X	3.37	.55
11	MP3A	Z	1.946	.55
12	MP3A	Mx	.002	.55
13	MP3B	X	4.061	.55
14	MP3B	Z	2.345	.55
15	MP3B	Mx	0	.55
16	MP3C	X	3.14	.55
17	MP3C	Z	1.813	.55
18	MP3C	Mx	-.002	.55
19	MP2A	X	10.255	.58
20	MP2A	Z	5.921	.58
21	MP2A	Mx	-.005	.58
22	MP2A	X	10.255	2.58
23	MP2A	Z	5.921	2.58
24	MP2A	Mx	-.005	2.58
25	MP2B	X	17.588	.58
26	MP2B	Z	10.154	.58
27	MP2B	Mx	0	.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	17.588	2.58
29	MP2B	Z	10.154	2.58
30	MP2B	Mx	0	2.58
31	MP2C	X	7.811	.58
32	MP2C	Z	4.509	.58
33	MP2C	Mx	.005	.58
34	MP2C	X	7.811	2.58
35	MP2C	Z	4.509	2.58
36	MP2C	Mx	.005	2.58
37	MP3A	X	25.099	1.42
38	MP3A	Z	14.491	1.42
39	MP3A	Mx	-.008	1.42
40	MP3A	X	25.099	4.92
41	MP3A	Z	14.491	4.92
42	MP3A	Mx	-.008	4.92
43	MP3B	X	32.637	1.42
44	MP3B	Z	18.843	1.42
45	MP3B	Mx	-.028	1.42
46	MP3B	X	32.637	4.92
47	MP3B	Z	18.843	4.92
48	MP3B	Mx	-.028	4.92
49	MP3C	X	22.586	1.42
50	MP3C	Z	13.04	1.42
51	MP3C	Mx	.02	1.42
52	MP3C	X	22.586	4.92
53	MP3C	Z	13.04	4.92
54	MP3C	Mx	.02	4.92
55	MP3A	X	25.099	1.42
56	MP3A	Z	14.491	1.42
57	MP3A	Mx	-.03	1.42
58	MP3A	X	25.099	4.92
59	MP3A	Z	14.491	4.92
60	MP3A	Mx	-.03	4.92
61	MP3B	X	32.637	1.42
62	MP3B	Z	18.843	1.42
63	MP3B	Mx	.028	1.42
64	MP3B	X	32.637	4.92
65	MP3B	Z	18.843	4.92
66	MP3B	Mx	.028	4.92
67	MP3C	X	22.586	1.42
68	MP3C	Z	13.04	1.42
69	MP3C	Mx	.02	1.42
70	MP3C	X	22.586	4.92
71	MP3C	Z	13.04	4.92
72	MP3C	Mx	.02	4.92
73	MP2A	X	7.026	4.96
74	MP2A	Z	4.057	4.96
75	MP2A	Mx	-.003	4.96
76	MP2B	X	8.954	4.96
77	MP2B	Z	5.169	4.96
78	MP2B	Mx	0	4.96
79	MP2C	X	6.384	4.96
80	MP2C	Z	3.686	4.96
81	MP2C	Mx	.003	4.96
82	MP1B	X	11.617	.33
83	MP1B	Z	6.707	.33
84	MP1B	Mx	0	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	11.617	2.83
86	MP1B	Z	6.707	2.83
87	MP1B	Mx	0	2.83
88	MP1C	X	13.448	.33
89	MP1C	Z	7.764	.33
90	MP1C	Mx	.011	.33
91	MP1C	X	13.448	2.83
92	MP1C	Z	7.764	2.83
93	MP1C	Mx	.011	2.83
94	MP5B	X	11.617	.33
95	MP5B	Z	6.707	.33
96	MP5B	Mx	0	.33
97	MP5B	X	11.617	2.83
98	MP5B	Z	6.707	2.83
99	MP5B	Mx	0	2.83
100	MP5C	X	13.448	.33
101	MP5C	Z	7.764	.33
102	MP5C	Mx	.011	.33
103	MP5C	X	13.448	2.83
104	MP5C	Z	7.764	2.83
105	MP5C	Mx	.011	2.83
106	MP4A	X	11.911	.67
107	MP4A	Z	6.877	.67
108	MP4A	Mx	-.008	.67
109	MP4B	X	15.234	.67
110	MP4B	Z	8.796	.67
111	MP4B	Mx	0	.67
112	MP4C	X	10.803	.67
113	MP4C	Z	6.237	.67
114	MP4C	Mx	.008	.67
115	MP4A	X	10.648	.67
116	MP4A	Z	6.147	.67
117	MP4A	Mx	.008	.67
118	MP4B	X	15.234	.67
119	MP4B	Z	8.796	.67
120	MP4B	Mx	0	.67
121	MP4C	X	9.119	.67
122	MP4C	Z	5.265	.67
123	MP4C	Mx	-.008	.67
124	OVP	X	28.948	2.5
125	OVP	Z	16.713	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	12.066	.33
128	MP1A	Z	6.966	.33
129	MP1A	Mx	-.01	.33
130	MP1A	X	12.066	2.83
131	MP1A	Z	6.966	2.83
132	MP1A	Mx	-.01	2.83
133	MP5A	X	12.066	.33
134	MP5A	Z	6.966	.33
135	MP5A	Mx	-.01	.33
136	MP5A	X	12.066	2.83
137	MP5A	Z	6.966	2.83
138	MP5A	Mx	-.01	2.83
139	OVP	X	28.948	2
140	OVP	Z	16.713	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.212	.55
2	MP3A	Z	3.831	.55
3	MP3A	Mx	.001	.55
4	MP3B	X	2.212	.55
5	MP3B	Z	3.831	.55
6	MP3B	Mx	.001	.55
7	MP3C	X	1.946	.55
8	MP3C	Z	3.37	.55
9	MP3C	Mx	-.002	.55
10	MP3A	X	2.212	.55
11	MP3A	Z	3.831	.55
12	MP3A	Mx	.001	.55
13	MP3B	X	2.212	.55
14	MP3B	Z	3.831	.55
15	MP3B	Mx	.001	.55
16	MP3C	X	1.946	.55
17	MP3C	Z	3.37	.55
18	MP3C	Mx	-.002	.55
19	MP2A	X	8.743	.58
20	MP2A	Z	15.144	.58
21	MP2A	Mx	-.004	.58
22	MP2A	X	8.743	2.58
23	MP2A	Z	15.144	2.58
24	MP2A	Mx	-.004	2.58
25	MP2B	X	8.743	.58
26	MP2B	Z	15.144	.58
27	MP2B	Mx	-.004	.58
28	MP2B	X	8.743	2.58
29	MP2B	Z	15.144	2.58
30	MP2B	Mx	-.004	2.58
31	MP2C	X	5.921	.58
32	MP2C	Z	10.255	.58
33	MP2C	Mx	.005	.58
34	MP2C	X	5.921	2.58
35	MP2C	Z	10.255	2.58
36	MP2C	Mx	.005	2.58
37	MP3A	X	17.392	1.42
38	MP3A	Z	30.124	1.42
39	MP3A	Mx	.01	1.42
40	MP3A	X	17.392	4.92
41	MP3A	Z	30.124	4.92
42	MP3A	Mx	.01	4.92
43	MP3B	X	17.392	1.42
44	MP3B	Z	30.124	1.42
45	MP3B	Mx	-.036	1.42
46	MP3B	X	17.392	4.92
47	MP3B	Z	30.124	4.92
48	MP3B	Mx	-.036	4.92
49	MP3C	X	14.491	1.42
50	MP3C	Z	25.099	1.42
51	MP3C	Mx	.008	1.42
52	MP3C	X	14.491	4.92
53	MP3C	Z	25.099	4.92
54	MP3C	Mx	.008	4.92
55	MP3A	X	17.392	1.42
56	MP3A	Z	30.124	1.42
57	MP3A	Mx	-.036	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	17.392	4.92
59	MP3A	Z	30.124	4.92
60	MP3A	Mx	-.036	4.92
61	MP3B	X	17.392	1.42
62	MP3B	Z	30.124	1.42
63	MP3B	Mx	.01	1.42
64	MP3B	X	17.392	4.92
65	MP3B	Z	30.124	4.92
66	MP3B	Mx	.01	4.92
67	MP3C	X	14.491	1.42
68	MP3C	Z	25.099	1.42
69	MP3C	Mx	.03	1.42
70	MP3C	X	14.491	4.92
71	MP3C	Z	25.099	4.92
72	MP3C	Mx	.03	4.92
73	MP2A	X	4.798	4.96
74	MP2A	Z	8.311	4.96
75	MP2A	Mx	-.002	4.96
76	MP2B	X	4.798	4.96
77	MP2B	Z	8.311	4.96
78	MP2B	Mx	-.002	4.96
79	MP2C	X	4.057	4.96
80	MP2C	Z	7.026	4.96
81	MP2C	Mx	.003	4.96
82	MP1B	X	7.06	.33
83	MP1B	Z	12.228	.33
84	MP1B	Mx	-.006	.33
85	MP1B	X	7.06	2.83
86	MP1B	Z	12.228	2.83
87	MP1B	Mx	-.006	2.83
88	MP1C	X	8.117	.33
89	MP1C	Z	14.059	.33
90	MP1C	Mx	.013	.33
91	MP1C	X	8.117	2.83
92	MP1C	Z	14.059	2.83
93	MP1C	Mx	.013	2.83
94	MP5B	X	7.06	.33
95	MP5B	Z	12.228	.33
96	MP5B	Mx	-.006	.33
97	MP5B	X	7.06	2.83
98	MP5B	Z	12.228	2.83
99	MP5B	Mx	-.006	2.83
100	MP5C	X	8.117	.33
101	MP5C	Z	14.059	.33
102	MP5C	Mx	.013	.33
103	MP5C	X	8.117	2.83
104	MP5C	Z	14.059	2.83
105	MP5C	Mx	.013	2.83
106	MP4A	X	8.156	.67
107	MP4A	Z	14.127	.67
108	MP4A	Mx	-.005	.67
109	MP4B	X	8.156	.67
110	MP4B	Z	14.127	.67
111	MP4B	Mx	-.005	.67
112	MP4C	X	6.877	.67
113	MP4C	Z	11.911	.67
114	MP4C	Mx	.008	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4A	X	7.913	.67
116	MP4A	Z	13.706	.67
117	MP4A	Mx	.006	.67
118	MP4B	X	7.913	.67
119	MP4B	Z	13.706	.67
120	MP4B	Mx	.006	.67
121	MP4C	X	6.147	.67
122	MP4C	Z	10.648	.67
123	MP4C	Mx	-.008	.67
124	OVP	X	17.637	2.5
125	OVP	Z	30.548	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	6.493	.33
128	MP1A	Z	11.246	.33
129	MP1A	Mx	-.005	.33
130	MP1A	X	6.493	2.83
131	MP1A	Z	11.246	2.83
132	MP1A	Mx	-.005	2.83
133	MP5A	X	6.493	.33
134	MP5A	Z	11.246	.33
135	MP5A	Mx	-.005	.33
136	MP5A	X	6.493	2.83
137	MP5A	Z	11.246	2.83
138	MP5A	Mx	-.005	2.83
139	OVP	X	17.637	2
140	OVP	Z	30.548	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.55
2	MP3A	Z	4.689	.55
3	MP3A	Mx	0	.55
4	MP3B	X	0	.55
5	MP3B	Z	3.892	.55
6	MP3B	Mx	.002	.55
7	MP3C	X	0	.55
8	MP3C	Z	4.423	.55
9	MP3C	Mx	-.001	.55
10	MP3A	X	0	.55
11	MP3A	Z	4.689	.55
12	MP3A	Mx	0	.55
13	MP3B	X	0	.55
14	MP3B	Z	3.892	.55
15	MP3B	Mx	.002	.55
16	MP3C	X	0	.55
17	MP3C	Z	4.423	.55
18	MP3C	Mx	-.001	.55
19	MP2A	X	0	.58
20	MP2A	Z	20.309	.58
21	MP2A	Mx	0	.58
22	MP2A	X	0	2.58
23	MP2A	Z	20.309	2.58
24	MP2A	Mx	0	2.58
25	MP2B	X	0	.58
26	MP2B	Z	11.841	.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.005	.58
28	MP2B	X	0	2.58
29	MP2B	Z	11.841	2.58
30	MP2B	Mx	-.005	2.58
31	MP2C	X	0	.58
32	MP2C	Z	17.486	.58
33	MP2C	Mx	.004	.58
34	MP2C	X	0	2.58
35	MP2C	Z	17.486	2.58
36	MP2C	Mx	.004	2.58
37	MP3A	X	0	1.42
38	MP3A	Z	37.686	1.42
39	MP3A	Mx	.028	1.42
40	MP3A	X	0	4.92
41	MP3A	Z	37.686	4.92
42	MP3A	Mx	.028	4.92
43	MP3B	X	0	1.42
44	MP3B	Z	28.982	1.42
45	MP3B	Mx	-.03	1.42
46	MP3B	X	0	4.92
47	MP3B	Z	28.982	4.92
48	MP3B	Mx	-.03	4.92
49	MP3C	X	0	1.42
50	MP3C	Z	34.785	1.42
51	MP3C	Mx	-.01	1.42
52	MP3C	X	0	4.92
53	MP3C	Z	34.785	4.92
54	MP3C	Mx	-.01	4.92
55	MP3A	X	0	1.42
56	MP3A	Z	37.686	1.42
57	MP3A	Mx	-.028	1.42
58	MP3A	X	0	4.92
59	MP3A	Z	37.686	4.92
60	MP3A	Mx	-.028	4.92
61	MP3B	X	0	1.42
62	MP3B	Z	28.982	1.42
63	MP3B	Mx	-.008	1.42
64	MP3B	X	0	4.92
65	MP3B	Z	28.982	4.92
66	MP3B	Mx	-.008	4.92
67	MP3C	X	0	1.42
68	MP3C	Z	34.785	1.42
69	MP3C	Mx	.036	1.42
70	MP3C	X	0	4.92
71	MP3C	Z	34.785	4.92
72	MP3C	Mx	.036	4.92
73	MP2A	X	0	4.96
74	MP2A	Z	10.339	4.96
75	MP2A	Mx	0	4.96
76	MP2B	X	0	4.96
77	MP2B	Z	8.113	4.96
78	MP2B	Mx	-.003	4.96
79	MP2C	X	0	4.96
80	MP2C	Z	9.597	4.96
81	MP2C	Mx	.002	4.96
82	MP1B	X	0	.33
83	MP1B	Z	15.529	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1B	Mx	-.011	.33
85	MP1B	X	0	2.83
86	MP1B	Z	15.529	2.83
87	MP1B	Mx	-.011	2.83
88	MP1C	X	0	.33
89	MP1C	Z	15.529	.33
90	MP1C	Mx	.011	.33
91	MP1C	X	0	2.83
92	MP1C	Z	15.529	2.83
93	MP1C	Mx	.011	2.83
94	MP5B	X	0	.33
95	MP5B	Z	15.529	.33
96	MP5B	Mx	-.011	.33
97	MP5B	X	0	2.83
98	MP5B	Z	15.529	2.83
99	MP5B	Mx	-.011	2.83
100	MP5C	X	0	.33
101	MP5C	Z	15.529	.33
102	MP5C	Mx	.011	.33
103	MP5C	X	0	2.83
104	MP5C	Z	15.529	2.83
105	MP5C	Mx	.011	2.83
106	MP4A	X	0	.67
107	MP4A	Z	17.591	.67
108	MP4A	Mx	0	.67
109	MP4B	X	0	.67
110	MP4B	Z	13.753	.67
111	MP4B	Mx	-.008	.67
112	MP4C	X	0	.67
113	MP4C	Z	16.312	.67
114	MP4C	Mx	.005	.67
115	MP4A	X	0	.67
116	MP4A	Z	17.591	.67
117	MP4A	Mx	0	.67
118	MP4B	X	0	.67
119	MP4B	Z	12.295	.67
120	MP4B	Mx	.008	.67
121	MP4C	X	0	.67
122	MP4C	Z	15.826	.67
123	MP4C	Mx	-.006	.67
124	OVP	X	0	2.5
125	OVP	Z	33.426	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	0	.33
128	MP1A	Z	12.512	.33
129	MP1A	Mx	0	.33
130	MP1A	X	0	2.83
131	MP1A	Z	12.512	2.83
132	MP1A	Mx	0	2.83
133	MP5A	X	0	.33
134	MP5A	Z	12.512	.33
135	MP5A	Mx	0	.33
136	MP5A	X	0	2.83
137	MP5A	Z	12.512	2.83
138	MP5A	Mx	0	2.83
139	OVP	X	0	2
140	OVP	Z	33.426	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.212	.55
2	MP3A	Z	3.831	.55
3	MP3A	Mx	-.001	.55
4	MP3B	X	-1.813	.55
5	MP3B	Z	3.14	.55
6	MP3B	Mx	.002	.55
7	MP3C	X	-2.345	.55
8	MP3C	Z	4.061	.55
9	MP3C	Mx	0	.55
10	MP3A	X	-2.212	.55
11	MP3A	Z	3.831	.55
12	MP3A	Mx	-.001	.55
13	MP3B	X	-1.813	.55
14	MP3B	Z	3.14	.55
15	MP3B	Mx	.002	.55
16	MP3C	X	-2.345	.55
17	MP3C	Z	4.061	.55
18	MP3C	Mx	0	.55
19	MP2A	X	-8.743	.58
20	MP2A	Z	15.144	.58
21	MP2A	Mx	.004	.58
22	MP2A	X	-8.743	2.58
23	MP2A	Z	15.144	2.58
24	MP2A	Mx	.004	2.58
25	MP2B	X	-4.509	.58
26	MP2B	Z	7.811	.58
27	MP2B	Mx	-.005	.58
28	MP2B	X	-4.509	2.58
29	MP2B	Z	7.811	2.58
30	MP2B	Mx	-.005	2.58
31	MP2C	X	-10.154	.58
32	MP2C	Z	17.588	.58
33	MP2C	Mx	0	.58
34	MP2C	X	-10.154	2.58
35	MP2C	Z	17.588	2.58
36	MP2C	Mx	0	2.58
37	MP3A	X	-17.392	1.42
38	MP3A	Z	30.124	1.42
39	MP3A	Mx	.036	1.42
40	MP3A	X	-17.392	4.92
41	MP3A	Z	30.124	4.92
42	MP3A	Mx	.036	4.92
43	MP3B	X	-13.04	1.42
44	MP3B	Z	22.586	1.42
45	MP3B	Mx	-.02	1.42
46	MP3B	X	-13.04	4.92
47	MP3B	Z	22.586	4.92
48	MP3B	Mx	-.02	4.92
49	MP3C	X	-18.843	1.42
50	MP3C	Z	32.637	1.42
51	MP3C	Mx	-.028	1.42
52	MP3C	X	-18.843	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	32.637	4.92
54	MP3C	Mx	-.028	4.92
55	MP3A	X	-17.392	1.42
56	MP3A	Z	30.124	1.42
57	MP3A	Mx	-.01	1.42
58	MP3A	X	-17.392	4.92
59	MP3A	Z	30.124	4.92
60	MP3A	Mx	-.01	4.92
61	MP3B	X	-13.04	1.42
62	MP3B	Z	22.586	1.42
63	MP3B	Mx	-.02	1.42
64	MP3B	X	-13.04	4.92
65	MP3B	Z	22.586	4.92
66	MP3B	Mx	-.02	4.92
67	MP3C	X	-18.843	1.42
68	MP3C	Z	32.637	1.42
69	MP3C	Mx	.028	1.42
70	MP3C	X	-18.843	4.92
71	MP3C	Z	32.637	4.92
72	MP3C	Mx	.028	4.92
73	MP2A	X	-4.798	4.96
74	MP2A	Z	8.311	4.96
75	MP2A	Mx	.002	4.96
76	MP2B	X	-3.686	4.96
77	MP2B	Z	6.384	4.96
78	MP2B	Mx	-.003	4.96
79	MP2C	X	-5.169	4.96
80	MP2C	Z	8.954	4.96
81	MP2C	Mx	0	4.96
82	MP1B	X	-8.117	.33
83	MP1B	Z	14.059	.33
84	MP1B	Mx	-.013	.33
85	MP1B	X	-8.117	2.83
86	MP1B	Z	14.059	2.83
87	MP1B	Mx	-.013	2.83
88	MP1C	X	-7.06	.33
89	MP1C	Z	12.228	.33
90	MP1C	Mx	.006	.33
91	MP1C	X	-7.06	2.83
92	MP1C	Z	12.228	2.83
93	MP1C	Mx	.006	2.83
94	MP5B	X	-8.117	.33
95	MP5B	Z	14.059	.33
96	MP5B	Mx	-.013	.33
97	MP5B	X	-8.117	2.83
98	MP5B	Z	14.059	2.83
99	MP5B	Mx	-.013	2.83
100	MP5C	X	-7.06	.33
101	MP5C	Z	12.228	.33
102	MP5C	Mx	.006	.33
103	MP5C	X	-7.06	2.83
104	MP5C	Z	12.228	2.83
105	MP5C	Mx	.006	2.83
106	MP4A	X	-8.156	.67
107	MP4A	Z	14.127	.67
108	MP4A	Mx	.005	.67
109	MP4B	X	-6.237	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP4B	Z	10.803	.67
111	MP4B	Mx	-.008	.67
112	MP4C	X	-8.796	.67
113	MP4C	Z	15.234	.67
114	MP4C	Mx	0	.67
115	MP4A	X	-7.913	.67
116	MP4A	Z	13.706	.67
117	MP4A	Mx	-.006	.67
118	MP4B	X	-5.265	.67
119	MP4B	Z	9.119	.67
120	MP4B	Mx	.008	.67
121	MP4C	X	-8.796	.67
122	MP4C	Z	15.234	.67
123	MP4C	Mx	0	.67
124	OVP	X	-14.865	2.5
125	OVP	Z	25.747	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-6.493	.33
128	MP1A	Z	11.246	.33
129	MP1A	Mx	.005	.33
130	MP1A	X	-6.493	2.83
131	MP1A	Z	11.246	2.83
132	MP1A	Mx	.005	2.83
133	MP5A	X	-6.493	.33
134	MP5A	Z	11.246	.33
135	MP5A	Mx	.005	.33
136	MP5A	X	-6.493	2.83
137	MP5A	Z	11.246	2.83
138	MP5A	Mx	.005	2.83
139	OVP	X	-14.865	2
140	OVP	Z	25.747	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.37	.55
2	MP3A	Z	1.946	.55
3	MP3A	Mx	-.002	.55
4	MP3B	X	-3.37	.55
5	MP3B	Z	1.946	.55
6	MP3B	Mx	.002	.55
7	MP3C	X	-3.831	.55
8	MP3C	Z	2.212	.55
9	MP3C	Mx	.001	.55
10	MP3A	X	-3.37	.55
11	MP3A	Z	1.946	.55
12	MP3A	Mx	-.002	.55
13	MP3B	X	-3.37	.55
14	MP3B	Z	1.946	.55
15	MP3B	Mx	.002	.55
16	MP3C	X	-3.831	.55
17	MP3C	Z	2.212	.55
18	MP3C	Mx	.001	.55
19	MP2A	X	-10.255	.58
20	MP2A	Z	5.921	.58
21	MP2A	Mx	.005	.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-10.255	2.58
23	MP2A	Z	5.921	2.58
24	MP2A	Mx	.005	2.58
25	MP2B	X	-10.255	.58
26	MP2B	Z	5.921	.58
27	MP2B	Mx	-.005	.58
28	MP2B	X	-10.255	2.58
29	MP2B	Z	5.921	2.58
30	MP2B	Mx	-.005	2.58
31	MP2C	X	-15.144	.58
32	MP2C	Z	8.743	.58
33	MP2C	Mx	-.004	.58
34	MP2C	X	-15.144	2.58
35	MP2C	Z	8.743	2.58
36	MP2C	Mx	-.004	2.58
37	MP3A	X	-25.099	1.42
38	MP3A	Z	14.491	1.42
39	MP3A	Mx	.03	1.42
40	MP3A	X	-25.099	4.92
41	MP3A	Z	14.491	4.92
42	MP3A	Mx	.03	4.92
43	MP3B	X	-25.099	1.42
44	MP3B	Z	14.491	1.42
45	MP3B	Mx	-.008	1.42
46	MP3B	X	-25.099	4.92
47	MP3B	Z	14.491	4.92
48	MP3B	Mx	-.008	4.92
49	MP3C	X	-30.124	1.42
50	MP3C	Z	17.392	1.42
51	MP3C	Mx	-.036	1.42
52	MP3C	X	-30.124	4.92
53	MP3C	Z	17.392	4.92
54	MP3C	Mx	-.036	4.92
55	MP3A	X	-25.099	1.42
56	MP3A	Z	14.491	1.42
57	MP3A	Mx	.008	1.42
58	MP3A	X	-25.099	4.92
59	MP3A	Z	14.491	4.92
60	MP3A	Mx	.008	4.92
61	MP3B	X	-25.099	1.42
62	MP3B	Z	14.491	1.42
63	MP3B	Mx	-.03	1.42
64	MP3B	X	-25.099	4.92
65	MP3B	Z	14.491	4.92
66	MP3B	Mx	-.03	4.92
67	MP3C	X	-30.124	1.42
68	MP3C	Z	17.392	1.42
69	MP3C	Mx	.01	1.42
70	MP3C	X	-30.124	4.92
71	MP3C	Z	17.392	4.92
72	MP3C	Mx	.01	4.92
73	MP2A	X	-7.026	4.96
74	MP2A	Z	4.057	4.96
75	MP2A	Mx	.003	4.96
76	MP2B	X	-7.026	4.96
77	MP2B	Z	4.057	4.96
78	MP2B	Mx	-.003	4.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2C	X	-8.311	4.96
80	MP2C	Z	4.798	4.96
81	MP2C	Mx	-.002	4.96
82	MP1B	X	-13.448	.33
83	MP1B	Z	7.764	.33
84	MP1B	Mx	-.011	.33
85	MP1B	X	-13.448	2.83
86	MP1B	Z	7.764	2.83
87	MP1B	Mx	-.011	2.83
88	MP1C	X	-11.617	.33
89	MP1C	Z	6.707	.33
90	MP1C	Mx	0	.33
91	MP1C	X	-11.617	2.83
92	MP1C	Z	6.707	2.83
93	MP1C	Mx	0	2.83
94	MP5B	X	-13.448	.33
95	MP5B	Z	7.764	.33
96	MP5B	Mx	-.011	.33
97	MP5B	X	-13.448	2.83
98	MP5B	Z	7.764	2.83
99	MP5B	Mx	-.011	2.83
100	MP5C	X	-11.617	.33
101	MP5C	Z	6.707	.33
102	MP5C	Mx	0	.33
103	MP5C	X	-11.617	2.83
104	MP5C	Z	6.707	2.83
105	MP5C	Mx	0	2.83
106	MP4A	X	-11.911	.67
107	MP4A	Z	6.877	.67
108	MP4A	Mx	.008	.67
109	MP4B	X	-11.911	.67
110	MP4B	Z	6.877	.67
111	MP4B	Mx	-.008	.67
112	MP4C	X	-14.127	.67
113	MP4C	Z	8.156	.67
114	MP4C	Mx	-.005	.67
115	MP4A	X	-10.648	.67
116	MP4A	Z	6.147	.67
117	MP4A	Mx	-.008	.67
118	MP4B	X	-10.648	.67
119	MP4B	Z	6.147	.67
120	MP4B	Mx	.008	.67
121	MP4C	X	-13.706	.67
122	MP4C	Z	7.913	.67
123	MP4C	Mx	.006	.67
124	OVP	X	-24.146	2.5
125	OVP	Z	13.941	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-12.066	.33
128	MP1A	Z	6.966	.33
129	MP1A	Mx	.01	.33
130	MP1A	X	-12.066	2.83
131	MP1A	Z	6.966	2.83
132	MP1A	Mx	.01	2.83
133	MP5A	X	-12.066	.33
134	MP5A	Z	6.966	.33
135	MP5A	Mx	.01	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
136	MP5A	X	-12.066	2.83
137	MP5A	Z	6.966	2.83
138	MP5A	Mx	.01	2.83
139	OVP	X	-24.146	2
140	OVP	Z	13.941	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.626	.55
2	MP3A	Z	0	.55
3	MP3A	Mx	-.002	.55
4	MP3B	X	-4.423	.55
5	MP3B	Z	0	.55
6	MP3B	Mx	.001	.55
7	MP3C	X	-3.892	.55
8	MP3C	Z	0	.55
9	MP3C	Mx	.002	.55
10	MP3A	X	-3.626	.55
11	MP3A	Z	0	.55
12	MP3A	Mx	-.002	.55
13	MP3B	X	-4.423	.55
14	MP3B	Z	0	.55
15	MP3B	Mx	.001	.55
16	MP3C	X	-3.892	.55
17	MP3C	Z	0	.55
18	MP3C	Mx	.002	.55
19	MP2A	X	-9.019	.58
20	MP2A	Z	0	.58
21	MP2A	Mx	.005	.58
22	MP2A	X	-9.019	2.58
23	MP2A	Z	0	2.58
24	MP2A	Mx	.005	2.58
25	MP2B	X	-17.486	.58
26	MP2B	Z	0	.58
27	MP2B	Mx	-.004	.58
28	MP2B	X	-17.486	2.58
29	MP2B	Z	0	2.58
30	MP2B	Mx	-.004	2.58
31	MP2C	X	-11.841	.58
32	MP2C	Z	0	.58
33	MP2C	Mx	-.005	.58
34	MP2C	X	-11.841	2.58
35	MP2C	Z	0	2.58
36	MP2C	Mx	-.005	2.58
37	MP3A	X	-26.081	1.42
38	MP3A	Z	0	1.42
39	MP3A	Mx	.02	1.42
40	MP3A	X	-26.081	4.92
41	MP3A	Z	0	4.92
42	MP3A	Mx	.02	4.92
43	MP3B	X	-34.785	1.42
44	MP3B	Z	0	1.42
45	MP3B	Mx	.01	1.42
46	MP3B	X	-34.785	4.92
47	MP3B	Z	0	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mx	.01	4.92
49	MP3C	X	-28.982	1.42
50	MP3C	Z	0	1.42
51	MP3C	Mx	-.03	1.42
52	MP3C	X	-28.982	4.92
53	MP3C	Z	0	4.92
54	MP3C	Mx	-.03	4.92
55	MP3A	X	-26.081	1.42
56	MP3A	Z	0	1.42
57	MP3A	Mx	.02	1.42
58	MP3A	X	-26.081	4.92
59	MP3A	Z	0	4.92
60	MP3A	Mx	.02	4.92
61	MP3B	X	-34.785	1.42
62	MP3B	Z	0	1.42
63	MP3B	Mx	-.036	1.42
64	MP3B	X	-34.785	4.92
65	MP3B	Z	0	4.92
66	MP3B	Mx	-.036	4.92
67	MP3C	X	-28.982	1.42
68	MP3C	Z	0	1.42
69	MP3C	Mx	-.008	1.42
70	MP3C	X	-28.982	4.92
71	MP3C	Z	0	4.92
72	MP3C	Mx	-.008	4.92
73	MP2A	X	-7.371	4.96
74	MP2A	Z	0	4.96
75	MP2A	Mx	.003	4.96
76	MP2B	X	-9.597	4.96
77	MP2B	Z	0	4.96
78	MP2B	Mx	-.002	4.96
79	MP2C	X	-8.113	4.96
80	MP2C	Z	0	4.96
81	MP2C	Mx	-.003	4.96
82	MP1B	X	-14.119	.33
83	MP1B	Z	0	.33
84	MP1B	Mx	-.006	.33
85	MP1B	X	-14.119	2.83
86	MP1B	Z	0	2.83
87	MP1B	Mx	-.006	2.83
88	MP1C	X	-14.119	.33
89	MP1C	Z	0	.33
90	MP1C	Mx	-.006	.33
91	MP1C	X	-14.119	2.83
92	MP1C	Z	0	2.83
93	MP1C	Mx	-.006	2.83
94	MP5B	X	-14.119	.33
95	MP5B	Z	0	.33
96	MP5B	Mx	-.006	.33
97	MP5B	X	-14.119	2.83
98	MP5B	Z	0	2.83
99	MP5B	Mx	-.006	2.83
100	MP5C	X	-14.119	.33
101	MP5C	Z	0	.33
102	MP5C	Mx	-.006	.33
103	MP5C	X	-14.119	2.83
104	MP5C	Z	0	2.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP5C	Mx	-.006	2.83
106	MP4A	X	-12.474	.67
107	MP4A	Z	0	.67
108	MP4A	Mx	.008	.67
109	MP4B	X	-16.312	.67
110	MP4B	Z	0	.67
111	MP4B	Mx	-.005	.67
112	MP4C	X	-13.753	.67
113	MP4C	Z	0	.67
114	MP4C	Mx	-.008	.67
115	MP4A	X	-10.53	.67
116	MP4A	Z	0	.67
117	MP4A	Mx	-.008	.67
118	MP4B	X	-15.826	.67
119	MP4B	Z	0	.67
120	MP4B	Mx	.006	.67
121	MP4C	X	-12.295	.67
122	MP4C	Z	0	.67
123	MP4C	Mx	.008	.67
124	OVP	X	-29.73	2.5
125	OVP	Z	0	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-14.407	.33
128	MP1A	Z	0	.33
129	MP1A	Mx	.011	.33
130	MP1A	X	-14.407	2.83
131	MP1A	Z	0	2.83
132	MP1A	Mx	.011	2.83
133	MP5A	X	-14.407	.33
134	MP5A	Z	0	.33
135	MP5A	Mx	.011	.33
136	MP5A	X	-14.407	2.83
137	MP5A	Z	0	2.83
138	MP5A	Mx	.011	2.83
139	OVP	X	-29.73	2
140	OVP	Z	0	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.37	.55
2	MP3A	Z	-1.946	.55
3	MP3A	Mx	-.002	.55
4	MP3B	X	-4.061	.55
5	MP3B	Z	-2.345	.55
6	MP3B	Mx	0	.55
7	MP3C	X	-3.14	.55
8	MP3C	Z	-1.813	.55
9	MP3C	Mx	.002	.55
10	MP3A	X	-3.37	.55
11	MP3A	Z	-1.946	.55
12	MP3A	Mx	-.002	.55
13	MP3B	X	-4.061	.55
14	MP3B	Z	-2.345	.55
15	MP3B	Mx	0	.55
16	MP3C	X	-3.14	.55

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	-1.813	.55
18	MP3C	Mx	.002	.55
19	MP2A	X	-10.255	.58
20	MP2A	Z	-5.921	.58
21	MP2A	Mx	.005	.58
22	MP2A	X	-10.255	2.58
23	MP2A	Z	-5.921	2.58
24	MP2A	Mx	.005	2.58
25	MP2B	X	-17.588	.58
26	MP2B	Z	-10.154	.58
27	MP2B	Mx	0	.58
28	MP2B	X	-17.588	2.58
29	MP2B	Z	-10.154	2.58
30	MP2B	Mx	0	2.58
31	MP2C	X	-7.811	.58
32	MP2C	Z	-4.509	.58
33	MP2C	Mx	-.005	.58
34	MP2C	X	-7.811	2.58
35	MP2C	Z	-4.509	2.58
36	MP2C	Mx	-.005	2.58
37	MP3A	X	-25.099	1.42
38	MP3A	Z	-14.491	1.42
39	MP3A	Mx	.008	1.42
40	MP3A	X	-25.099	4.92
41	MP3A	Z	-14.491	4.92
42	MP3A	Mx	.008	4.92
43	MP3B	X	-32.637	1.42
44	MP3B	Z	-18.843	1.42
45	MP3B	Mx	.028	1.42
46	MP3B	X	-32.637	4.92
47	MP3B	Z	-18.843	4.92
48	MP3B	Mx	.028	4.92
49	MP3C	X	-22.586	1.42
50	MP3C	Z	-13.04	1.42
51	MP3C	Mx	-.02	1.42
52	MP3C	X	-22.586	4.92
53	MP3C	Z	-13.04	4.92
54	MP3C	Mx	-.02	4.92
55	MP3A	X	-25.099	1.42
56	MP3A	Z	-14.491	1.42
57	MP3A	Mx	.03	1.42
58	MP3A	X	-25.099	4.92
59	MP3A	Z	-14.491	4.92
60	MP3A	Mx	.03	4.92
61	MP3B	X	-32.637	1.42
62	MP3B	Z	-18.843	1.42
63	MP3B	Mx	-.028	1.42
64	MP3B	X	-32.637	4.92
65	MP3B	Z	-18.843	4.92
66	MP3B	Mx	-.028	4.92
67	MP3C	X	-22.586	1.42
68	MP3C	Z	-13.04	1.42
69	MP3C	Mx	-.02	1.42
70	MP3C	X	-22.586	4.92
71	MP3C	Z	-13.04	4.92
72	MP3C	Mx	-.02	4.92
73	MP2A	X	-7.026	4.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2A	Z	-4.057	4.96
75	MP2A	Mx	.003	4.96
76	MP2B	X	-8.954	4.96
77	MP2B	Z	-5.169	4.96
78	MP2B	Mx	0	4.96
79	MP2C	X	-6.384	4.96
80	MP2C	Z	-3.686	4.96
81	MP2C	Mx	-.003	4.96
82	MP1B	X	-11.617	.33
83	MP1B	Z	-6.707	.33
84	MP1B	Mx	0	.33
85	MP1B	X	-11.617	2.83
86	MP1B	Z	-6.707	2.83
87	MP1B	Mx	0	2.83
88	MP1C	X	-13.448	.33
89	MP1C	Z	-7.764	.33
90	MP1C	Mx	-.011	.33
91	MP1C	X	-13.448	2.83
92	MP1C	Z	-7.764	2.83
93	MP1C	Mx	-.011	2.83
94	MP5B	X	-11.617	.33
95	MP5B	Z	-6.707	.33
96	MP5B	Mx	0	.33
97	MP5B	X	-11.617	2.83
98	MP5B	Z	-6.707	2.83
99	MP5B	Mx	0	2.83
100	MP5C	X	-13.448	.33
101	MP5C	Z	-7.764	.33
102	MP5C	Mx	-.011	.33
103	MP5C	X	-13.448	2.83
104	MP5C	Z	-7.764	2.83
105	MP5C	Mx	-.011	2.83
106	MP4A	X	-11.911	.67
107	MP4A	Z	-6.877	.67
108	MP4A	Mx	.008	.67
109	MP4B	X	-15.234	.67
110	MP4B	Z	-8.796	.67
111	MP4B	Mx	0	.67
112	MP4C	X	-10.803	.67
113	MP4C	Z	-6.237	.67
114	MP4C	Mx	-.008	.67
115	MP4A	X	-10.648	.67
116	MP4A	Z	-6.147	.67
117	MP4A	Mx	-.008	.67
118	MP4B	X	-15.234	.67
119	MP4B	Z	-8.796	.67
120	MP4B	Mx	0	.67
121	MP4C	X	-9.119	.67
122	MP4C	Z	-5.265	.67
123	MP4C	Mx	.008	.67
124	OVP	X	-28.948	2.5
125	OVP	Z	-16.713	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-12.066	.33
128	MP1A	Z	-6.966	.33
129	MP1A	Mx	.01	.33
130	MP1A	X	-12.066	2.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
131	MP1A	Z	-6.966	2.83
132	MP1A	Mx	.01	2.83
133	MP5A	X	-12.066	.33
134	MP5A	Z	-6.966	.33
135	MP5A	Mx	.01	.33
136	MP5A	X	-12.066	2.83
137	MP5A	Z	-6.966	2.83
138	MP5A	Mx	.01	2.83
139	OVP	X	-28.948	2
140	OVP	Z	-16.713	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.212	.55
2	MP3A	Z	-3.831	.55
3	MP3A	Mx	-.001	.55
4	MP3B	X	-2.212	.55
5	MP3B	Z	-3.831	.55
6	MP3B	Mx	-.001	.55
7	MP3C	X	-1.946	.55
8	MP3C	Z	-3.37	.55
9	MP3C	Mx	.002	.55
10	MP3A	X	-2.212	.55
11	MP3A	Z	-3.831	.55
12	MP3A	Mx	-.001	.55
13	MP3B	X	-2.212	.55
14	MP3B	Z	-3.831	.55
15	MP3B	Mx	-.001	.55
16	MP3C	X	-1.946	.55
17	MP3C	Z	-3.37	.55
18	MP3C	Mx	.002	.55
19	MP2A	X	-8.743	.58
20	MP2A	Z	-15.144	.58
21	MP2A	Mx	.004	.58
22	MP2A	X	-8.743	2.58
23	MP2A	Z	-15.144	2.58
24	MP2A	Mx	.004	2.58
25	MP2B	X	-8.743	.58
26	MP2B	Z	-15.144	.58
27	MP2B	Mx	.004	.58
28	MP2B	X	-8.743	2.58
29	MP2B	Z	-15.144	2.58
30	MP2B	Mx	.004	2.58
31	MP2C	X	-5.921	.58
32	MP2C	Z	-10.255	.58
33	MP2C	Mx	-.005	.58
34	MP2C	X	-5.921	2.58
35	MP2C	Z	-10.255	2.58
36	MP2C	Mx	-.005	2.58
37	MP3A	X	-17.392	1.42
38	MP3A	Z	-30.124	1.42
39	MP3A	Mx	-.01	1.42
40	MP3A	X	-17.392	4.92
41	MP3A	Z	-30.124	4.92
42	MP3A	Mx	-.01	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	-17.392	1.42
44	MP3B	Z	-30.124	1.42
45	MP3B	Mx	.036	1.42
46	MP3B	X	-17.392	4.92
47	MP3B	Z	-30.124	4.92
48	MP3B	Mx	.036	4.92
49	MP3C	X	-14.491	1.42
50	MP3C	Z	-25.099	1.42
51	MP3C	Mx	-.008	1.42
52	MP3C	X	-14.491	4.92
53	MP3C	Z	-25.099	4.92
54	MP3C	Mx	-.008	4.92
55	MP3A	X	-17.392	1.42
56	MP3A	Z	-30.124	1.42
57	MP3A	Mx	.036	1.42
58	MP3A	X	-17.392	4.92
59	MP3A	Z	-30.124	4.92
60	MP3A	Mx	.036	4.92
61	MP3B	X	-17.392	1.42
62	MP3B	Z	-30.124	1.42
63	MP3B	Mx	-.01	1.42
64	MP3B	X	-17.392	4.92
65	MP3B	Z	-30.124	4.92
66	MP3B	Mx	-.01	4.92
67	MP3C	X	-14.491	1.42
68	MP3C	Z	-25.099	1.42
69	MP3C	Mx	-.03	1.42
70	MP3C	X	-14.491	4.92
71	MP3C	Z	-25.099	4.92
72	MP3C	Mx	-.03	4.92
73	MP2A	X	-4.798	4.96
74	MP2A	Z	-8.311	4.96
75	MP2A	Mx	.002	4.96
76	MP2B	X	-4.798	4.96
77	MP2B	Z	-8.311	4.96
78	MP2B	Mx	.002	4.96
79	MP2C	X	-4.057	4.96
80	MP2C	Z	-7.026	4.96
81	MP2C	Mx	-.003	4.96
82	MP1B	X	-7.06	.33
83	MP1B	Z	-12.228	.33
84	MP1B	Mx	.006	.33
85	MP1B	X	-7.06	2.83
86	MP1B	Z	-12.228	2.83
87	MP1B	Mx	.006	2.83
88	MP1C	X	-8.117	.33
89	MP1C	Z	-14.059	.33
90	MP1C	Mx	-.013	.33
91	MP1C	X	-8.117	2.83
92	MP1C	Z	-14.059	2.83
93	MP1C	Mx	-.013	2.83
94	MP5B	X	-7.06	.33
95	MP5B	Z	-12.228	.33
96	MP5B	Mx	.006	.33
97	MP5B	X	-7.06	2.83
98	MP5B	Z	-12.228	2.83
99	MP5B	Mx	.006	2.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP5C	X	-8.117	.33
101	MP5C	Z	-14.059	.33
102	MP5C	Mx	-.013	.33
103	MP5C	X	-8.117	2.83
104	MP5C	Z	-14.059	2.83
105	MP5C	Mx	-.013	2.83
106	MP4A	X	-8.156	.67
107	MP4A	Z	-14.127	.67
108	MP4A	Mx	.005	.67
109	MP4B	X	-8.156	.67
110	MP4B	Z	-14.127	.67
111	MP4B	Mx	.005	.67
112	MP4C	X	-6.877	.67
113	MP4C	Z	-11.911	.67
114	MP4C	Mx	-.008	.67
115	MP4A	X	-7.913	.67
116	MP4A	Z	-13.706	.67
117	MP4A	Mx	-.006	.67
118	MP4B	X	-7.913	.67
119	MP4B	Z	-13.706	.67
120	MP4B	Mx	-.006	.67
121	MP4C	X	-6.147	.67
122	MP4C	Z	-10.648	.67
123	MP4C	Mx	.008	.67
124	OVP	X	-17.637	2.5
125	OVP	Z	-30.548	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-6.493	.33
128	MP1A	Z	-11.246	.33
129	MP1A	Mx	.005	.33
130	MP1A	X	-6.493	2.83
131	MP1A	Z	-11.246	2.83
132	MP1A	Mx	.005	2.83
133	MP5A	X	-6.493	.33
134	MP5A	Z	-11.246	.33
135	MP5A	Mx	.005	.33
136	MP5A	X	-6.493	2.83
137	MP5A	Z	-11.246	2.83
138	MP5A	Mx	.005	2.83
139	OVP	X	-17.637	2
140	OVP	Z	-30.548	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.55
2	MP3A	Z	-.961	.55
3	MP3A	Mx	0	.55
4	MP3B	X	0	.55
5	MP3B	Z	-.739	.55
6	MP3B	Mx	-.0004	.55
7	MP3C	X	0	.55
8	MP3C	Z	-.887	.55
9	MP3C	Mx	.000277	.55
10	MP3A	X	0	.55
11	MP3A	Z	-.961	.55

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3A	Mx	0	.55
13	MP3B	X	0	.55
14	MP3B	Z	-.739	.55
15	MP3B	Mx	-.0004	.55
16	MP3C	X	0	.55
17	MP3C	Z	-.887	.55
18	MP3C	Mx	.000277	.55
19	MP2A	X	0	.58
20	MP2A	Z	-6.105	.58
21	MP2A	Mx	0	.58
22	MP2A	X	0	2.58
23	MP2A	Z	-6.105	2.58
24	MP2A	Mx	0	2.58
25	MP2B	X	0	.58
26	MP2B	Z	-3.319	.58
27	MP2B	Mx	.001	.58
28	MP2B	X	0	2.58
29	MP2B	Z	-3.319	2.58
30	MP2B	Mx	.001	2.58
31	MP2C	X	0	.58
32	MP2C	Z	-5.177	.58
33	MP2C	Mx	-.001	.58
34	MP2C	X	0	2.58
35	MP2C	Z	-5.177	2.58
36	MP2C	Mx	-.001	2.58
37	MP3A	X	0	1.42
38	MP3A	Z	-11.834	1.42
39	MP3A	Mx	-.009	1.42
40	MP3A	X	0	4.92
41	MP3A	Z	-11.834	4.92
42	MP3A	Mx	-.009	4.92
43	MP3B	X	0	1.42
44	MP3B	Z	-8.788	1.42
45	MP3B	Mx	.009	1.42
46	MP3B	X	0	4.92
47	MP3B	Z	-8.788	4.92
48	MP3B	Mx	.009	4.92
49	MP3C	X	0	1.42
50	MP3C	Z	-10.819	1.42
51	MP3C	Mx	.003	1.42
52	MP3C	X	0	4.92
53	MP3C	Z	-10.819	4.92
54	MP3C	Mx	.003	4.92
55	MP3A	X	0	1.42
56	MP3A	Z	-11.834	1.42
57	MP3A	Mx	.009	1.42
58	MP3A	X	0	4.92
59	MP3A	Z	-11.834	4.92
60	MP3A	Mx	.009	4.92
61	MP3B	X	0	1.42
62	MP3B	Z	-8.788	1.42
63	MP3B	Mx	.002	1.42
64	MP3B	X	0	4.92
65	MP3B	Z	-8.788	4.92
66	MP3B	Mx	.002	4.92
67	MP3C	X	0	1.42
68	MP3C	Z	-10.819	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3C	Mx	-.011	1.42
70	MP3C	X	0	4.92
71	MP3C	Z	-10.819	4.92
72	MP3C	Mx	-.011	4.92
73	MP2A	X	0	4.96
74	MP2A	Z	-2.598	4.96
75	MP2A	Mx	0	4.96
76	MP2B	X	0	4.96
77	MP2B	Z	-1.892	4.96
78	MP2B	Mx	.000683	4.96
79	MP2C	X	0	4.96
80	MP2C	Z	-2.363	4.96
81	MP2C	Mx	-.000492	4.96
82	MP1B	X	0	.33
83	MP1B	Z	-4.451	.33
84	MP1B	Mx	.003	.33
85	MP1B	X	0	2.83
86	MP1B	Z	-4.451	2.83
87	MP1B	Mx	.003	2.83
88	MP1C	X	0	.33
89	MP1C	Z	-4.451	.33
90	MP1C	Mx	-.003	.33
91	MP1C	X	0	2.83
92	MP1C	Z	-4.451	2.83
93	MP1C	Mx	-.003	2.83
94	MP5B	X	0	.33
95	MP5B	Z	-4.451	.33
96	MP5B	Mx	.003	.33
97	MP5B	X	0	2.83
98	MP5B	Z	-4.451	2.83
99	MP5B	Mx	.003	2.83
100	MP5C	X	0	.33
101	MP5C	Z	-4.451	.33
102	MP5C	Mx	-.003	.33
103	MP5C	X	0	2.83
104	MP5C	Z	-4.451	2.83
105	MP5C	Mx	-.003	2.83
106	MP4A	X	0	.67
107	MP4A	Z	-4.858	.67
108	MP4A	Mx	0	.67
109	MP4B	X	0	.67
110	MP4B	Z	-3.65	.67
111	MP4B	Mx	.002	.67
112	MP4C	X	0	.67
113	MP4C	Z	-4.456	.67
114	MP4C	Mx	-.001	.67
115	MP4A	X	0	.67
116	MP4A	Z	-4.858	.67
117	MP4A	Mx	0	.67
118	MP4B	X	0	.67
119	MP4B	Z	-3.187	.67
120	MP4B	Mx	-.002	.67
121	MP4C	X	0	.67
122	MP4C	Z	-4.301	.67
123	MP4C	Mx	.002	.67
124	OVP	X	0	2.5
125	OVP	Z	-6.883	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
126	OVP	Mx	0	2.5
127	MP1A	X	0	.33
128	MP1A	Z	-3.481	.33
129	MP1A	Mx	0	.33
130	MP1A	X	0	2.83
131	MP1A	Z	-3.481	2.83
132	MP1A	Mx	0	2.83
133	MP5A	X	0	.33
134	MP5A	Z	-3.481	.33
135	MP5A	Mx	0	.33
136	MP5A	X	0	2.83
137	MP5A	Z	-3.481	2.83
138	MP5A	Mx	0	2.83
139	OVP	X	0	2
140	OVP	Z	-6.883	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.444	.55
2	MP3A	Z	-.768	.55
3	MP3A	Mx	.000278	.55
4	MP3B	X	.333	.55
5	MP3B	Z	-.576	.55
6	MP3B	Mx	-.000416	.55
7	MP3C	X	.481	.55
8	MP3C	Z	-.832	.55
9	MP3C	Mx	0	.55
10	MP3A	X	.444	.55
11	MP3A	Z	-.768	.55
12	MP3A	Mx	.000278	.55
13	MP3B	X	.333	.55
14	MP3B	Z	-.576	.55
15	MP3B	Mx	-.000416	.55
16	MP3C	X	.481	.55
17	MP3C	Z	-.832	.55
18	MP3C	Mx	0	.55
19	MP2A	X	2.588	.58
20	MP2A	Z	-4.483	.58
21	MP2A	Mx	-.001	.58
22	MP2A	X	2.588	2.58
23	MP2A	Z	-4.483	2.58
24	MP2A	Mx	-.001	2.58
25	MP2B	X	1.195	.58
26	MP2B	Z	-2.07	.58
27	MP2B	Mx	.001	.58
28	MP2B	X	1.195	2.58
29	MP2B	Z	-2.07	2.58
30	MP2B	Mx	.001	2.58
31	MP2C	X	3.053	.58
32	MP2C	Z	-5.287	.58
33	MP2C	Mx	0	.58
34	MP2C	X	3.053	2.58
35	MP2C	Z	-5.287	2.58
36	MP2C	Mx	0	2.58
37	MP3A	X	5.409	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	-9.369	1.42
39	MP3A	Mx	-.011	1.42
40	MP3A	X	5.409	4.92
41	MP3A	Z	-9.369	4.92
42	MP3A	Mx	-.011	4.92
43	MP3B	X	3.886	1.42
44	MP3B	Z	-6.731	1.42
45	MP3B	Mx	.006	1.42
46	MP3B	X	3.886	4.92
47	MP3B	Z	-6.731	4.92
48	MP3B	Mx	.006	4.92
49	MP3C	X	5.917	1.42
50	MP3C	Z	-10.249	1.42
51	MP3C	Mx	.009	1.42
52	MP3C	X	5.917	4.92
53	MP3C	Z	-10.249	4.92
54	MP3C	Mx	.009	4.92
55	MP3A	X	5.409	1.42
56	MP3A	Z	-9.369	1.42
57	MP3A	Mx	.003	1.42
58	MP3A	X	5.409	4.92
59	MP3A	Z	-9.369	4.92
60	MP3A	Mx	.003	4.92
61	MP3B	X	3.886	1.42
62	MP3B	Z	-6.731	1.42
63	MP3B	Mx	.006	1.42
64	MP3B	X	3.886	4.92
65	MP3B	Z	-6.731	4.92
66	MP3B	Mx	.006	4.92
67	MP3C	X	5.917	1.42
68	MP3C	Z	-10.249	1.42
69	MP3C	Mx	-.009	1.42
70	MP3C	X	5.917	4.92
71	MP3C	Z	-10.249	4.92
72	MP3C	Mx	-.009	4.92
73	MP2A	X	1.181	4.96
74	MP2A	Z	-2.046	4.96
75	MP2A	Mx	-.000492	4.96
76	MP2B	X	.828	4.96
77	MP2B	Z	-1.435	4.96
78	MP2B	Mx	.00069	4.96
79	MP2C	X	1.299	4.96
80	MP2C	Z	-2.25	4.96
81	MP2C	Mx	0	4.96
82	MP1B	X	2.348	.33
83	MP1B	Z	-4.067	.33
84	MP1B	Mx	.004	.33
85	MP1B	X	2.348	2.83
86	MP1B	Z	-4.067	2.83
87	MP1B	Mx	.004	2.83
88	MP1C	X	1.98	.33
89	MP1C	Z	-3.43	.33
90	MP1C	Mx	-.002	.33
91	MP1C	X	1.98	2.83
92	MP1C	Z	-3.43	2.83
93	MP1C	Mx	-.002	2.83
94	MP5B	X	2.348	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP5B	Z	-4.067	.33
96	MP5B	Mx	.004	.33
97	MP5B	X	2.348	2.83
98	MP5B	Z	-4.067	2.83
99	MP5B	Mx	.004	2.83
100	MP5C	X	1.98	.33
101	MP5C	Z	-3.43	.33
102	MP5C	Mx	-.002	.33
103	MP5C	X	1.98	2.83
104	MP5C	Z	-3.43	2.83
105	MP5C	Mx	-.002	2.83
106	MP4A	X	2.228	.67
107	MP4A	Z	-3.859	.67
108	MP4A	Mx	-.001	.67
109	MP4B	X	1.624	.67
110	MP4B	Z	-2.812	.67
111	MP4B	Mx	.002	.67
112	MP4C	X	2.429	.67
113	MP4C	Z	-4.207	.67
114	MP4C	Mx	0	.67
115	MP4A	X	2.151	.67
116	MP4A	Z	-3.725	.67
117	MP4A	Mx	.002	.67
118	MP4B	X	1.315	.67
119	MP4B	Z	-2.278	.67
120	MP4B	Mx	-.002	.67
121	MP4C	X	2.429	.67
122	MP4C	Z	-4.207	.67
123	MP4C	Mx	0	.67
124	OVP	X	3.83	2.5
125	OVP	Z	-6.633	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	1.821	.33
128	MP1A	Z	-3.153	.33
129	MP1A	Mx	-.001	.33
130	MP1A	X	1.821	2.83
131	MP1A	Z	-3.153	2.83
132	MP1A	Mx	-.001	2.83
133	MP5A	X	1.821	.33
134	MP5A	Z	-3.153	.33
135	MP5A	Mx	-.001	.33
136	MP5A	X	1.821	2.83
137	MP5A	Z	-3.153	2.83
138	MP5A	Mx	-.001	2.83
139	OVP	X	3.83	2
140	OVP	Z	-6.633	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.64	.55
2	MP3A	Z	-.37	.55
3	MP3A	Mx	.0004	.55
4	MP3B	X	.64	.55
5	MP3B	Z	-.37	.55
6	MP3B	Mx	-.0004	.55

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3C	X	.768	.55
8	MP3C	Z	-.444	.55
9	MP3C	Mx	-.000277	.55
10	MP3A	X	.64	.55
11	MP3A	Z	-.37	.55
12	MP3A	Mx	.0004	.55
13	MP3B	X	.64	.55
14	MP3B	Z	-.37	.55
15	MP3B	Mx	-.0004	.55
16	MP3C	X	.768	.55
17	MP3C	Z	-.444	.55
18	MP3C	Mx	-.000277	.55
19	MP2A	X	2.874	.58
20	MP2A	Z	-1.66	.58
21	MP2A	Mx	-.001	.58
22	MP2A	X	2.874	2.58
23	MP2A	Z	-1.66	2.58
24	MP2A	Mx	-.001	2.58
25	MP2B	X	2.874	.58
26	MP2B	Z	-1.66	.58
27	MP2B	Mx	.001	.58
28	MP2B	X	2.874	2.58
29	MP2B	Z	-1.66	2.58
30	MP2B	Mx	.001	2.58
31	MP2C	X	4.483	.58
32	MP2C	Z	-2.588	.58
33	MP2C	Mx	.001	.58
34	MP2C	X	4.483	2.58
35	MP2C	Z	-2.588	2.58
36	MP2C	Mx	.001	2.58
37	MP3A	X	7.61	1.42
38	MP3A	Z	-4.394	1.42
39	MP3A	Mx	-.009	1.42
40	MP3A	X	7.61	4.92
41	MP3A	Z	-4.394	4.92
42	MP3A	Mx	-.009	4.92
43	MP3B	X	7.61	1.42
44	MP3B	Z	-4.394	1.42
45	MP3B	Mx	.002	1.42
46	MP3B	X	7.61	4.92
47	MP3B	Z	-4.394	4.92
48	MP3B	Mx	.002	4.92
49	MP3C	X	9.369	1.42
50	MP3C	Z	-5.409	1.42
51	MP3C	Mx	.011	1.42
52	MP3C	X	9.369	4.92
53	MP3C	Z	-5.409	4.92
54	MP3C	Mx	.011	4.92
55	MP3A	X	7.61	1.42
56	MP3A	Z	-4.394	1.42
57	MP3A	Mx	-.002	1.42
58	MP3A	X	7.61	4.92
59	MP3A	Z	-4.394	4.92
60	MP3A	Mx	-.002	4.92
61	MP3B	X	7.61	1.42
62	MP3B	Z	-4.394	1.42
63	MP3B	Mx	.009	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3B	X	7.61	4.92
65	MP3B	Z	-4.394	4.92
66	MP3B	Mx	.009	4.92
67	MP3C	X	9.369	1.42
68	MP3C	Z	-5.409	1.42
69	MP3C	Mx	-.003	1.42
70	MP3C	X	9.369	4.92
71	MP3C	Z	-5.409	4.92
72	MP3C	Mx	-.003	4.92
73	MP2A	X	1.639	4.96
74	MP2A	Z	-.946	4.96
75	MP2A	Mx	-.000683	4.96
76	MP2B	X	1.639	4.96
77	MP2B	Z	-.946	4.96
78	MP2B	Mx	.000683	4.96
79	MP2C	X	2.046	4.96
80	MP2C	Z	-1.181	4.96
81	MP2C	Mx	.000492	4.96
82	MP1B	X	3.854	.33
83	MP1B	Z	-2.225	.33
84	MP1B	Mx	.003	.33
85	MP1B	X	3.854	2.83
86	MP1B	Z	-2.225	2.83
87	MP1B	Mx	.003	2.83
88	MP1C	X	3.217	.33
89	MP1C	Z	-1.858	.33
90	MP1C	Mx	0	.33
91	MP1C	X	3.217	2.83
92	MP1C	Z	-1.858	2.83
93	MP1C	Mx	0	2.83
94	MP5B	X	3.854	.33
95	MP5B	Z	-2.225	.33
96	MP5B	Mx	.003	.33
97	MP5B	X	3.854	2.83
98	MP5B	Z	-2.225	2.83
99	MP5B	Mx	.003	2.83
100	MP5C	X	3.217	.33
101	MP5C	Z	-1.858	.33
102	MP5C	Mx	0	.33
103	MP5C	X	3.217	2.83
104	MP5C	Z	-1.858	2.83
105	MP5C	Mx	0	2.83
106	MP4A	X	3.161	.67
107	MP4A	Z	-1.825	.67
108	MP4A	Mx	-.002	.67
109	MP4B	X	3.161	.67
110	MP4B	Z	-1.825	.67
111	MP4B	Mx	.002	.67
112	MP4C	X	3.859	.67
113	MP4C	Z	-2.228	.67
114	MP4C	Mx	.001	.67
115	MP4A	X	2.76	.67
116	MP4A	Z	-1.594	.67
117	MP4A	Mx	.002	.67
118	MP4B	X	2.76	.67
119	MP4B	Z	-1.594	.67
120	MP4B	Mx	-.002	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
121	MP4C	X	3.725	.67
122	MP4C	Z	-2.151	.67
123	MP4C	Mx	-.002	.67
124	OVP	X	6.969	2.5
125	OVP	Z	-4.024	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	3.43	.33
128	MP1A	Z	-1.98	.33
129	MP1A	Mx	-.003	.33
130	MP1A	X	3.43	2.83
131	MP1A	Z	-1.98	2.83
132	MP1A	Mx	-.003	2.83
133	MP5A	X	3.43	.33
134	MP5A	Z	-1.98	.33
135	MP5A	Mx	-.003	.33
136	MP5A	X	3.43	2.83
137	MP5A	Z	-1.98	2.83
138	MP5A	Mx	-.003	2.83
139	OVP	X	6.969	2
140	OVP	Z	-4.024	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.665	.55
2	MP3A	Z	0	.55
3	MP3A	Mx	.000416	.55
4	MP3B	X	.887	.55
5	MP3B	Z	0	.55
6	MP3B	Mx	-.000277	.55
7	MP3C	X	.739	.55
8	MP3C	Z	0	.55
9	MP3C	Mx	-.0004	.55
10	MP3A	X	.665	.55
11	MP3A	Z	0	.55
12	MP3A	Mx	.000416	.55
13	MP3B	X	.887	.55
14	MP3B	Z	0	.55
15	MP3B	Mx	-.000277	.55
16	MP3C	X	.739	.55
17	MP3C	Z	0	.55
18	MP3C	Mx	-.0004	.55
19	MP2A	X	2.39	.58
20	MP2A	Z	0	.58
21	MP2A	Mx	-.001	.58
22	MP2A	X	2.39	2.58
23	MP2A	Z	0	2.58
24	MP2A	Mx	-.001	2.58
25	MP2B	X	5.177	.58
26	MP2B	Z	0	.58
27	MP2B	Mx	.001	.58
28	MP2B	X	5.177	2.58
29	MP2B	Z	0	2.58
30	MP2B	Mx	.001	2.58
31	MP2C	X	3.319	.58
32	MP2C	Z	0	.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.001	.58
34	MP2C	X	3.319	2.58
35	MP2C	Z	0	2.58
36	MP2C	Mx	.001	2.58
37	MP3A	X	7.772	1.42
38	MP3A	Z	0	1.42
39	MP3A	Mx	-.006	1.42
40	MP3A	X	7.772	4.92
41	MP3A	Z	0	4.92
42	MP3A	Mx	-.006	4.92
43	MP3B	X	10.819	1.42
44	MP3B	Z	0	1.42
45	MP3B	Mx	-.003	1.42
46	MP3B	X	10.819	4.92
47	MP3B	Z	0	4.92
48	MP3B	Mx	-.003	4.92
49	MP3C	X	8.788	1.42
50	MP3C	Z	0	1.42
51	MP3C	Mx	.009	1.42
52	MP3C	X	8.788	4.92
53	MP3C	Z	0	4.92
54	MP3C	Mx	.009	4.92
55	MP3A	X	7.772	1.42
56	MP3A	Z	0	1.42
57	MP3A	Mx	-.006	1.42
58	MP3A	X	7.772	4.92
59	MP3A	Z	0	4.92
60	MP3A	Mx	-.006	4.92
61	MP3B	X	10.819	1.42
62	MP3B	Z	0	1.42
63	MP3B	Mx	.011	1.42
64	MP3B	X	10.819	4.92
65	MP3B	Z	0	4.92
66	MP3B	Mx	.011	4.92
67	MP3C	X	8.788	1.42
68	MP3C	Z	0	1.42
69	MP3C	Mx	.002	1.42
70	MP3C	X	8.788	4.92
71	MP3C	Z	0	4.92
72	MP3C	Mx	.002	4.92
73	MP2A	X	1.657	4.96
74	MP2A	Z	0	4.96
75	MP2A	Mx	-.00069	4.96
76	MP2B	X	2.363	4.96
77	MP2B	Z	0	4.96
78	MP2B	Mx	.000492	4.96
79	MP2C	X	1.892	4.96
80	MP2C	Z	0	4.96
81	MP2C	Mx	.000683	4.96
82	MP1B	X	3.96	.33
83	MP1B	Z	0	.33
84	MP1B	Mx	.002	.33
85	MP1B	X	3.96	2.83
86	MP1B	Z	0	2.83
87	MP1B	Mx	.002	2.83
88	MP1C	X	3.96	.33
89	MP1C	Z	0	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1C	Mx	.002	.33
91	MP1C	X	3.96	2.83
92	MP1C	Z	0	2.83
93	MP1C	Mx	.002	2.83
94	MP5B	X	3.96	.33
95	MP5B	Z	0	.33
96	MP5B	Mx	.002	.33
97	MP5B	X	3.96	2.83
98	MP5B	Z	0	2.83
99	MP5B	Mx	.002	2.83
100	MP5C	X	3.96	.33
101	MP5C	Z	0	.33
102	MP5C	Mx	.002	.33
103	MP5C	X	3.96	2.83
104	MP5C	Z	0	2.83
105	MP5C	Mx	.002	2.83
106	MP4A	X	3.248	.67
107	MP4A	Z	0	.67
108	MP4A	Mx	-.002	.67
109	MP4B	X	4.456	.67
110	MP4B	Z	0	.67
111	MP4B	Mx	.001	.67
112	MP4C	X	3.65	.67
113	MP4C	Z	0	.67
114	MP4C	Mx	.002	.67
115	MP4A	X	2.631	.67
116	MP4A	Z	0	.67
117	MP4A	Mx	.002	.67
118	MP4B	X	4.301	.67
119	MP4B	Z	0	.67
120	MP4B	Mx	-.002	.67
121	MP4C	X	3.187	.67
122	MP4C	Z	0	.67
123	MP4C	Mx	-.002	.67
124	OVP	X	7.659	2.5
125	OVP	Z	0	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	4.12	.33
128	MP1A	Z	0	.33
129	MP1A	Mx	-.003	.33
130	MP1A	X	4.12	2.83
131	MP1A	Z	0	2.83
132	MP1A	Mx	-.003	2.83
133	MP5A	X	4.12	.33
134	MP5A	Z	0	.33
135	MP5A	Mx	-.003	.33
136	MP5A	X	4.12	2.83
137	MP5A	Z	0	2.83
138	MP5A	Mx	-.003	2.83
139	OVP	X	7.659	2
140	OVP	Z	0	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.64	.55

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	.37	.55
3	MP3A	Mx	.0004	.55
4	MP3B	X	.832	.55
5	MP3B	Z	.481	.55
6	MP3B	Mx	0	.55
7	MP3C	X	.576	.55
8	MP3C	Z	.333	.55
9	MP3C	Mx	-.000416	.55
10	MP3A	X	.64	.55
11	MP3A	Z	.37	.55
12	MP3A	Mx	.0004	.55
13	MP3B	X	.832	.55
14	MP3B	Z	.481	.55
15	MP3B	Mx	0	.55
16	MP3C	X	.576	.55
17	MP3C	Z	.333	.55
18	MP3C	Mx	-.000416	.55
19	MP2A	X	2.874	.58
20	MP2A	Z	1.66	.58
21	MP2A	Mx	-.001	.58
22	MP2A	X	2.874	2.58
23	MP2A	Z	1.66	2.58
24	MP2A	Mx	-.001	2.58
25	MP2B	X	5.287	.58
26	MP2B	Z	3.053	.58
27	MP2B	Mx	0	.58
28	MP2B	X	5.287	2.58
29	MP2B	Z	3.053	2.58
30	MP2B	Mx	0	2.58
31	MP2C	X	2.07	.58
32	MP2C	Z	1.195	.58
33	MP2C	Mx	.001	.58
34	MP2C	X	2.07	2.58
35	MP2C	Z	1.195	2.58
36	MP2C	Mx	.001	2.58
37	MP3A	X	7.61	1.42
38	MP3A	Z	4.394	1.42
39	MP3A	Mx	-.002	1.42
40	MP3A	X	7.61	4.92
41	MP3A	Z	4.394	4.92
42	MP3A	Mx	-.002	4.92
43	MP3B	X	10.249	1.42
44	MP3B	Z	5.917	1.42
45	MP3B	Mx	-.009	1.42
46	MP3B	X	10.249	4.92
47	MP3B	Z	5.917	4.92
48	MP3B	Mx	-.009	4.92
49	MP3C	X	6.731	1.42
50	MP3C	Z	3.886	1.42
51	MP3C	Mx	.006	1.42
52	MP3C	X	6.731	4.92
53	MP3C	Z	3.886	4.92
54	MP3C	Mx	.006	4.92
55	MP3A	X	7.61	1.42
56	MP3A	Z	4.394	1.42
57	MP3A	Mx	-.009	1.42
58	MP3A	X	7.61	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP3A	Z	4.394	4.92
60	MP3A	Mx	-.009	4.92
61	MP3B	X	10.249	1.42
62	MP3B	Z	5.917	1.42
63	MP3B	Mx	.009	1.42
64	MP3B	X	10.249	4.92
65	MP3B	Z	5.917	4.92
66	MP3B	Mx	.009	4.92
67	MP3C	X	6.731	1.42
68	MP3C	Z	3.886	1.42
69	MP3C	Mx	.006	1.42
70	MP3C	X	6.731	4.92
71	MP3C	Z	3.886	4.92
72	MP3C	Mx	.006	4.92
73	MP2A	X	1.639	4.96
74	MP2A	Z	.946	4.96
75	MP2A	Mx	-.000683	4.96
76	MP2B	X	2.25	4.96
77	MP2B	Z	1.299	4.96
78	MP2B	Mx	0	4.96
79	MP2C	X	1.435	4.96
80	MP2C	Z	.828	4.96
81	MP2C	Mx	.00069	4.96
82	MP1B	X	3.217	.33
83	MP1B	Z	1.858	.33
84	MP1B	Mx	0	.33
85	MP1B	X	3.217	2.83
86	MP1B	Z	1.858	2.83
87	MP1B	Mx	0	2.83
88	MP1C	X	3.854	.33
89	MP1C	Z	2.225	.33
90	MP1C	Mx	.003	.33
91	MP1C	X	3.854	2.83
92	MP1C	Z	2.225	2.83
93	MP1C	Mx	.003	2.83
94	MP5B	X	3.217	.33
95	MP5B	Z	1.858	.33
96	MP5B	Mx	0	.33
97	MP5B	X	3.217	2.83
98	MP5B	Z	1.858	2.83
99	MP5B	Mx	0	2.83
100	MP5C	X	3.854	.33
101	MP5C	Z	2.225	.33
102	MP5C	Mx	.003	.33
103	MP5C	X	3.854	2.83
104	MP5C	Z	2.225	2.83
105	MP5C	Mx	.003	2.83
106	MP4A	X	3.161	.67
107	MP4A	Z	1.825	.67
108	MP4A	Mx	-.002	.67
109	MP4B	X	4.207	.67
110	MP4B	Z	2.429	.67
111	MP4B	Mx	0	.67
112	MP4C	X	2.812	.67
113	MP4C	Z	1.624	.67
114	MP4C	Mx	.002	.67
115	MP4A	X	2.76	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP4A	Z	1.594	.67
117	MP4A	Mx	.002	.67
118	MP4B	X	4.207	.67
119	MP4B	Z	2.429	.67
120	MP4B	Mx	0	.67
121	MP4C	X	2.278	.67
122	MP4C	Z	1.315	.67
123	MP4C	Mx	-.002	.67
124	OVP	X	5.961	2.5
125	OVP	Z	3.442	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	3.43	.33
128	MP1A	Z	1.98	.33
129	MP1A	Mx	-.003	.33
130	MP1A	X	3.43	2.83
131	MP1A	Z	1.98	2.83
132	MP1A	Mx	-.003	2.83
133	MP5A	X	3.43	.33
134	MP5A	Z	1.98	.33
135	MP5A	Mx	-.003	.33
136	MP5A	X	3.43	2.83
137	MP5A	Z	1.98	2.83
138	MP5A	Mx	-.003	2.83
139	OVP	X	5.961	2
140	OVP	Z	3.442	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.444	.55
2	MP3A	Z	.768	.55
3	MP3A	Mx	.000278	.55
4	MP3B	X	.444	.55
5	MP3B	Z	.768	.55
6	MP3B	Mx	.000277	.55
7	MP3C	X	.37	.55
8	MP3C	Z	.64	.55
9	MP3C	Mx	-.0004	.55
10	MP3A	X	.444	.55
11	MP3A	Z	.768	.55
12	MP3A	Mx	.000278	.55
13	MP3B	X	.444	.55
14	MP3B	Z	.768	.55
15	MP3B	Mx	.000277	.55
16	MP3C	X	.37	.55
17	MP3C	Z	.64	.55
18	MP3C	Mx	-.0004	.55
19	MP2A	X	2.588	.58
20	MP2A	Z	4.483	.58
21	MP2A	Mx	-.001	.58
22	MP2A	X	2.588	2.58
23	MP2A	Z	4.483	2.58
24	MP2A	Mx	-.001	2.58
25	MP2B	X	2.588	.58
26	MP2B	Z	4.483	.58
27	MP2B	Mx	-.001	.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2B	X	2.588	2.58
29	MP2B	Z	4.483	2.58
30	MP2B	Mx	-.001	2.58
31	MP2C	X	1.66	.58
32	MP2C	Z	2.874	.58
33	MP2C	Mx	.001	.58
34	MP2C	X	1.66	2.58
35	MP2C	Z	2.874	2.58
36	MP2C	Mx	.001	2.58
37	MP3A	X	5.409	1.42
38	MP3A	Z	9.369	1.42
39	MP3A	Mx	.003	1.42
40	MP3A	X	5.409	4.92
41	MP3A	Z	9.369	4.92
42	MP3A	Mx	.003	4.92
43	MP3B	X	5.409	1.42
44	MP3B	Z	9.369	1.42
45	MP3B	Mx	-.011	1.42
46	MP3B	X	5.409	4.92
47	MP3B	Z	9.369	4.92
48	MP3B	Mx	-.011	4.92
49	MP3C	X	4.394	1.42
50	MP3C	Z	7.61	1.42
51	MP3C	Mx	.002	1.42
52	MP3C	X	4.394	4.92
53	MP3C	Z	7.61	4.92
54	MP3C	Mx	.002	4.92
55	MP3A	X	5.409	1.42
56	MP3A	Z	9.369	1.42
57	MP3A	Mx	-.011	1.42
58	MP3A	X	5.409	4.92
59	MP3A	Z	9.369	4.92
60	MP3A	Mx	-.011	4.92
61	MP3B	X	5.409	1.42
62	MP3B	Z	9.369	1.42
63	MP3B	Mx	.003	1.42
64	MP3B	X	5.409	4.92
65	MP3B	Z	9.369	4.92
66	MP3B	Mx	.003	4.92
67	MP3C	X	4.394	1.42
68	MP3C	Z	7.61	1.42
69	MP3C	Mx	.009	1.42
70	MP3C	X	4.394	4.92
71	MP3C	Z	7.61	4.92
72	MP3C	Mx	.009	4.92
73	MP2A	X	1.181	4.96
74	MP2A	Z	2.046	4.96
75	MP2A	Mx	-.000492	4.96
76	MP2B	X	1.181	4.96
77	MP2B	Z	2.046	4.96
78	MP2B	Mx	-.000492	4.96
79	MP2C	X	.946	4.96
80	MP2C	Z	1.639	4.96
81	MP2C	Mx	.000683	4.96
82	MP1B	X	1.98	.33
83	MP1B	Z	3.43	.33
84	MP1B	Mx	-.002	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	1.98	2.83
86	MP1B	Z	3.43	2.83
87	MP1B	Mx	-.002	2.83
88	MP1C	X	2.348	.33
89	MP1C	Z	4.067	.33
90	MP1C	Mx	.004	.33
91	MP1C	X	2.348	2.83
92	MP1C	Z	4.067	2.83
93	MP1C	Mx	.004	2.83
94	MP5B	X	1.98	.33
95	MP5B	Z	3.43	.33
96	MP5B	Mx	-.002	.33
97	MP5B	X	1.98	2.83
98	MP5B	Z	3.43	2.83
99	MP5B	Mx	-.002	2.83
100	MP5C	X	2.348	.33
101	MP5C	Z	4.067	.33
102	MP5C	Mx	.004	.33
103	MP5C	X	2.348	2.83
104	MP5C	Z	4.067	2.83
105	MP5C	Mx	.004	2.83
106	MP4A	X	2.228	.67
107	MP4A	Z	3.859	.67
108	MP4A	Mx	-.001	.67
109	MP4B	X	2.228	.67
110	MP4B	Z	3.859	.67
111	MP4B	Mx	-.001	.67
112	MP4C	X	1.825	.67
113	MP4C	Z	3.161	.67
114	MP4C	Mx	.002	.67
115	MP4A	X	2.151	.67
116	MP4A	Z	3.725	.67
117	MP4A	Mx	.002	.67
118	MP4B	X	2.151	.67
119	MP4B	Z	3.725	.67
120	MP4B	Mx	.002	.67
121	MP4C	X	1.594	.67
122	MP4C	Z	2.76	.67
123	MP4C	Mx	-.002	.67
124	OVP	X	3.248	2.5
125	OVP	Z	5.625	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	1.821	.33
128	MP1A	Z	3.153	.33
129	MP1A	Mx	-.001	.33
130	MP1A	X	1.821	2.83
131	MP1A	Z	3.153	2.83
132	MP1A	Mx	-.001	2.83
133	MP5A	X	1.821	.33
134	MP5A	Z	3.153	.33
135	MP5A	Mx	-.001	.33
136	MP5A	X	1.821	2.83
137	MP5A	Z	3.153	2.83
138	MP5A	Mx	-.001	2.83
139	OVP	X	3.248	2
140	OVP	Z	5.625	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.55
2	MP3A	Z	.961	.55
3	MP3A	Mx	0	.55
4	MP3B	X	0	.55
5	MP3B	Z	.739	.55
6	MP3B	Mx	.0004	.55
7	MP3C	X	0	.55
8	MP3C	Z	.887	.55
9	MP3C	Mx	-.000277	.55
10	MP3A	X	0	.55
11	MP3A	Z	.961	.55
12	MP3A	Mx	0	.55
13	MP3B	X	0	.55
14	MP3B	Z	.739	.55
15	MP3B	Mx	.0004	.55
16	MP3C	X	0	.55
17	MP3C	Z	.887	.55
18	MP3C	Mx	-.000277	.55
19	MP2A	X	0	.58
20	MP2A	Z	6.105	.58
21	MP2A	Mx	0	.58
22	MP2A	X	0	2.58
23	MP2A	Z	6.105	2.58
24	MP2A	Mx	0	2.58
25	MP2B	X	0	.58
26	MP2B	Z	3.319	.58
27	MP2B	Mx	-.001	.58
28	MP2B	X	0	2.58
29	MP2B	Z	3.319	2.58
30	MP2B	Mx	-.001	2.58
31	MP2C	X	0	.58
32	MP2C	Z	5.177	.58
33	MP2C	Mx	.001	.58
34	MP2C	X	0	2.58
35	MP2C	Z	5.177	2.58
36	MP2C	Mx	.001	2.58
37	MP3A	X	0	1.42
38	MP3A	Z	11.834	1.42
39	MP3A	Mx	.009	1.42
40	MP3A	X	0	4.92
41	MP3A	Z	11.834	4.92
42	MP3A	Mx	.009	4.92
43	MP3B	X	0	1.42
44	MP3B	Z	8.788	1.42
45	MP3B	Mx	-.009	1.42
46	MP3B	X	0	4.92
47	MP3B	Z	8.788	4.92
48	MP3B	Mx	-.009	4.92
49	MP3C	X	0	1.42
50	MP3C	Z	10.819	1.42
51	MP3C	Mx	-.003	1.42
52	MP3C	X	0	4.92
53	MP3C	Z	10.819	4.92
54	MP3C	Mx	-.003	4.92
55	MP3A	X	0	1.42
56	MP3A	Z	11.834	1.42
57	MP3A	Mx	-.009	1.42

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	0	4.92
59	MP3A	Z	11.834	4.92
60	MP3A	Mx	-.009	4.92
61	MP3B	X	0	1.42
62	MP3B	Z	8.788	1.42
63	MP3B	Mx	-.002	1.42
64	MP3B	X	0	4.92
65	MP3B	Z	8.788	4.92
66	MP3B	Mx	-.002	4.92
67	MP3C	X	0	1.42
68	MP3C	Z	10.819	1.42
69	MP3C	Mx	.011	1.42
70	MP3C	X	0	4.92
71	MP3C	Z	10.819	4.92
72	MP3C	Mx	.011	4.92
73	MP2A	X	0	4.96
74	MP2A	Z	2.598	4.96
75	MP2A	Mx	0	4.96
76	MP2B	X	0	4.96
77	MP2B	Z	1.892	4.96
78	MP2B	Mx	-.000683	4.96
79	MP2C	X	0	4.96
80	MP2C	Z	2.363	4.96
81	MP2C	Mx	.000492	4.96
82	MP1B	X	0	.33
83	MP1B	Z	4.451	.33
84	MP1B	Mx	-.003	.33
85	MP1B	X	0	2.83
86	MP1B	Z	4.451	2.83
87	MP1B	Mx	-.003	2.83
88	MP1C	X	0	.33
89	MP1C	Z	4.451	.33
90	MP1C	Mx	.003	.33
91	MP1C	X	0	2.83
92	MP1C	Z	4.451	2.83
93	MP1C	Mx	.003	2.83
94	MP5B	X	0	.33
95	MP5B	Z	4.451	.33
96	MP5B	Mx	-.003	.33
97	MP5B	X	0	2.83
98	MP5B	Z	4.451	2.83
99	MP5B	Mx	-.003	2.83
100	MP5C	X	0	.33
101	MP5C	Z	4.451	.33
102	MP5C	Mx	.003	.33
103	MP5C	X	0	2.83
104	MP5C	Z	4.451	2.83
105	MP5C	Mx	.003	2.83
106	MP4A	X	0	.67
107	MP4A	Z	4.858	.67
108	MP4A	Mx	0	.67
109	MP4B	X	0	.67
110	MP4B	Z	3.65	.67
111	MP4B	Mx	-.002	.67
112	MP4C	X	0	.67
113	MP4C	Z	4.456	.67
114	MP4C	Mx	.001	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4A	X	0	.67
116	MP4A	Z	4.858	.67
117	MP4A	Mx	0	.67
118	MP4B	X	0	.67
119	MP4B	Z	3.187	.67
120	MP4B	Mx	.002	.67
121	MP4C	X	0	.67
122	MP4C	Z	4.301	.67
123	MP4C	Mx	-.002	.67
124	OVP	X	0	2.5
125	OVP	Z	6.883	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	0	.33
128	MP1A	Z	3.481	.33
129	MP1A	Mx	0	.33
130	MP1A	X	0	2.83
131	MP1A	Z	3.481	2.83
132	MP1A	Mx	0	2.83
133	MP5A	X	0	.33
134	MP5A	Z	3.481	.33
135	MP5A	Mx	0	.33
136	MP5A	X	0	2.83
137	MP5A	Z	3.481	2.83
138	MP5A	Mx	0	2.83
139	OVP	X	0	2
140	OVP	Z	6.883	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.444	.55
2	MP3A	Z	.768	.55
3	MP3A	Mx	-.000278	.55
4	MP3B	X	-.333	.55
5	MP3B	Z	.576	.55
6	MP3B	Mx	.000416	.55
7	MP3C	X	-.481	.55
8	MP3C	Z	.832	.55
9	MP3C	Mx	0	.55
10	MP3A	X	-.444	.55
11	MP3A	Z	.768	.55
12	MP3A	Mx	-.000278	.55
13	MP3B	X	-.333	.55
14	MP3B	Z	.576	.55
15	MP3B	Mx	.000416	.55
16	MP3C	X	-.481	.55
17	MP3C	Z	.832	.55
18	MP3C	Mx	0	.55
19	MP2A	X	-2.588	.58
20	MP2A	Z	4.483	.58
21	MP2A	Mx	.001	.58
22	MP2A	X	-2.588	2.58
23	MP2A	Z	4.483	2.58
24	MP2A	Mx	.001	2.58
25	MP2B	X	-1.195	.58
26	MP2B	Z	2.07	.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	-.001	.58
28	MP2B	X	-1.195	2.58
29	MP2B	Z	2.07	2.58
30	MP2B	Mx	-.001	2.58
31	MP2C	X	-3.053	.58
32	MP2C	Z	5.287	.58
33	MP2C	Mx	0	.58
34	MP2C	X	-3.053	2.58
35	MP2C	Z	5.287	2.58
36	MP2C	Mx	0	2.58
37	MP3A	X	-5.409	1.42
38	MP3A	Z	9.369	1.42
39	MP3A	Mx	.011	1.42
40	MP3A	X	-5.409	4.92
41	MP3A	Z	9.369	4.92
42	MP3A	Mx	.011	4.92
43	MP3B	X	-3.886	1.42
44	MP3B	Z	6.731	1.42
45	MP3B	Mx	-.006	1.42
46	MP3B	X	-3.886	4.92
47	MP3B	Z	6.731	4.92
48	MP3B	Mx	-.006	4.92
49	MP3C	X	-5.917	1.42
50	MP3C	Z	10.249	1.42
51	MP3C	Mx	-.009	1.42
52	MP3C	X	-5.917	4.92
53	MP3C	Z	10.249	4.92
54	MP3C	Mx	-.009	4.92
55	MP3A	X	-5.409	1.42
56	MP3A	Z	9.369	1.42
57	MP3A	Mx	-.003	1.42
58	MP3A	X	-5.409	4.92
59	MP3A	Z	9.369	4.92
60	MP3A	Mx	-.003	4.92
61	MP3B	X	-3.886	1.42
62	MP3B	Z	6.731	1.42
63	MP3B	Mx	-.006	1.42
64	MP3B	X	-3.886	4.92
65	MP3B	Z	6.731	4.92
66	MP3B	Mx	-.006	4.92
67	MP3C	X	-5.917	1.42
68	MP3C	Z	10.249	1.42
69	MP3C	Mx	.009	1.42
70	MP3C	X	-5.917	4.92
71	MP3C	Z	10.249	4.92
72	MP3C	Mx	.009	4.92
73	MP2A	X	-1.181	4.96
74	MP2A	Z	2.046	4.96
75	MP2A	Mx	.000492	4.96
76	MP2B	X	-.828	4.96
77	MP2B	Z	1.435	4.96
78	MP2B	Mx	-.00069	4.96
79	MP2C	X	-1.299	4.96
80	MP2C	Z	2.25	4.96
81	MP2C	Mx	0	4.96
82	MP1B	X	-2.348	.33
83	MP1B	Z	4.067	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1B	Mx	-.004	.33
85	MP1B	X	-2.348	2.83
86	MP1B	Z	4.067	2.83
87	MP1B	Mx	-.004	2.83
88	MP1C	X	-1.98	.33
89	MP1C	Z	3.43	.33
90	MP1C	Mx	.002	.33
91	MP1C	X	-1.98	2.83
92	MP1C	Z	3.43	2.83
93	MP1C	Mx	.002	2.83
94	MP5B	X	-2.348	.33
95	MP5B	Z	4.067	.33
96	MP5B	Mx	-.004	.33
97	MP5B	X	-2.348	2.83
98	MP5B	Z	4.067	2.83
99	MP5B	Mx	-.004	2.83
100	MP5C	X	-1.98	.33
101	MP5C	Z	3.43	.33
102	MP5C	Mx	.002	.33
103	MP5C	X	-1.98	2.83
104	MP5C	Z	3.43	2.83
105	MP5C	Mx	.002	2.83
106	MP4A	X	-2.228	.67
107	MP4A	Z	3.859	.67
108	MP4A	Mx	.001	.67
109	MP4B	X	-1.624	.67
110	MP4B	Z	2.812	.67
111	MP4B	Mx	-.002	.67
112	MP4C	X	-2.429	.67
113	MP4C	Z	4.207	.67
114	MP4C	Mx	0	.67
115	MP4A	X	-2.151	.67
116	MP4A	Z	3.725	.67
117	MP4A	Mx	-.002	.67
118	MP4B	X	-1.315	.67
119	MP4B	Z	2.278	.67
120	MP4B	Mx	.002	.67
121	MP4C	X	-2.429	.67
122	MP4C	Z	4.207	.67
123	MP4C	Mx	0	.67
124	OVP	X	-3.83	2.5
125	OVP	Z	6.633	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-1.821	.33
128	MP1A	Z	3.153	.33
129	MP1A	Mx	.001	.33
130	MP1A	X	-1.821	2.83
131	MP1A	Z	3.153	2.83
132	MP1A	Mx	.001	2.83
133	MP5A	X	-1.821	.33
134	MP5A	Z	3.153	.33
135	MP5A	Mx	.001	.33
136	MP5A	X	-1.821	2.83
137	MP5A	Z	3.153	2.83
138	MP5A	Mx	.001	2.83
139	OVP	X	-3.83	2
140	OVP	Z	6.633	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.64	.55
2	MP3A	Z	.37	.55
3	MP3A	Mx	-.0004	.55
4	MP3B	X	-.64	.55
5	MP3B	Z	.37	.55
6	MP3B	Mx	.0004	.55
7	MP3C	X	-.768	.55
8	MP3C	Z	.444	.55
9	MP3C	Mx	.000277	.55
10	MP3A	X	-.64	.55
11	MP3A	Z	.37	.55
12	MP3A	Mx	-.0004	.55
13	MP3B	X	-.64	.55
14	MP3B	Z	.37	.55
15	MP3B	Mx	.0004	.55
16	MP3C	X	-.768	.55
17	MP3C	Z	.444	.55
18	MP3C	Mx	.000277	.55
19	MP2A	X	-2.874	.58
20	MP2A	Z	1.66	.58
21	MP2A	Mx	.001	.58
22	MP2A	X	-2.874	2.58
23	MP2A	Z	1.66	2.58
24	MP2A	Mx	.001	2.58
25	MP2B	X	-2.874	.58
26	MP2B	Z	1.66	.58
27	MP2B	Mx	-.001	.58
28	MP2B	X	-2.874	2.58
29	MP2B	Z	1.66	2.58
30	MP2B	Mx	-.001	2.58
31	MP2C	X	-4.483	.58
32	MP2C	Z	2.588	.58
33	MP2C	Mx	-.001	.58
34	MP2C	X	-4.483	2.58
35	MP2C	Z	2.588	2.58
36	MP2C	Mx	-.001	2.58
37	MP3A	X	-7.61	1.42
38	MP3A	Z	4.394	1.42
39	MP3A	Mx	.009	1.42
40	MP3A	X	-7.61	4.92
41	MP3A	Z	4.394	4.92
42	MP3A	Mx	.009	4.92
43	MP3B	X	-7.61	1.42
44	MP3B	Z	4.394	1.42
45	MP3B	Mx	-.002	1.42
46	MP3B	X	-7.61	4.92
47	MP3B	Z	4.394	4.92
48	MP3B	Mx	-.002	4.92
49	MP3C	X	-9.369	1.42
50	MP3C	Z	5.409	1.42
51	MP3C	Mx	-.011	1.42
52	MP3C	X	-9.369	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	5.409	4.92
54	MP3C	Mx	-.011	4.92
55	MP3A	X	-7.61	1.42
56	MP3A	Z	4.394	1.42
57	MP3A	Mx	.002	1.42
58	MP3A	X	-7.61	4.92
59	MP3A	Z	4.394	4.92
60	MP3A	Mx	.002	4.92
61	MP3B	X	-7.61	1.42
62	MP3B	Z	4.394	1.42
63	MP3B	Mx	-.009	1.42
64	MP3B	X	-7.61	4.92
65	MP3B	Z	4.394	4.92
66	MP3B	Mx	-.009	4.92
67	MP3C	X	-9.369	1.42
68	MP3C	Z	5.409	1.42
69	MP3C	Mx	.003	1.42
70	MP3C	X	-9.369	4.92
71	MP3C	Z	5.409	4.92
72	MP3C	Mx	.003	4.92
73	MP2A	X	-1.639	4.96
74	MP2A	Z	.946	4.96
75	MP2A	Mx	.000683	4.96
76	MP2B	X	-1.639	4.96
77	MP2B	Z	.946	4.96
78	MP2B	Mx	-.000683	4.96
79	MP2C	X	-2.046	4.96
80	MP2C	Z	1.181	4.96
81	MP2C	Mx	-.000492	4.96
82	MP1B	X	-3.854	.33
83	MP1B	Z	2.225	.33
84	MP1B	Mx	-.003	.33
85	MP1B	X	-3.854	2.83
86	MP1B	Z	2.225	2.83
87	MP1B	Mx	-.003	2.83
88	MP1C	X	-3.217	.33
89	MP1C	Z	1.858	.33
90	MP1C	Mx	0	.33
91	MP1C	X	-3.217	2.83
92	MP1C	Z	1.858	2.83
93	MP1C	Mx	0	2.83
94	MP5B	X	-3.854	.33
95	MP5B	Z	2.225	.33
96	MP5B	Mx	-.003	.33
97	MP5B	X	-3.854	2.83
98	MP5B	Z	2.225	2.83
99	MP5B	Mx	-.003	2.83
100	MP5C	X	-3.217	.33
101	MP5C	Z	1.858	.33
102	MP5C	Mx	0	.33
103	MP5C	X	-3.217	2.83
104	MP5C	Z	1.858	2.83
105	MP5C	Mx	0	2.83
106	MP4A	X	-3.161	.67
107	MP4A	Z	1.825	.67
108	MP4A	Mx	.002	.67
109	MP4B	X	-3.161	.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP4B	Z	1.825	.67
111	MP4B	Mx	-.002	.67
112	MP4C	X	-3.859	.67
113	MP4C	Z	2.228	.67
114	MP4C	Mx	-.001	.67
115	MP4A	X	-2.76	.67
116	MP4A	Z	1.594	.67
117	MP4A	Mx	-.002	.67
118	MP4B	X	-2.76	.67
119	MP4B	Z	1.594	.67
120	MP4B	Mx	.002	.67
121	MP4C	X	-3.725	.67
122	MP4C	Z	2.151	.67
123	MP4C	Mx	.002	.67
124	OVP	X	-6.969	2.5
125	OVP	Z	4.024	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-3.43	.33
128	MP1A	Z	1.98	.33
129	MP1A	Mx	.003	.33
130	MP1A	X	-3.43	2.83
131	MP1A	Z	1.98	2.83
132	MP1A	Mx	.003	2.83
133	MP5A	X	-3.43	.33
134	MP5A	Z	1.98	.33
135	MP5A	Mx	.003	.33
136	MP5A	X	-3.43	2.83
137	MP5A	Z	1.98	2.83
138	MP5A	Mx	.003	2.83
139	OVP	X	-6.969	2
140	OVP	Z	4.024	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.665	.55
2	MP3A	Z	0	.55
3	MP3A	Mx	-.000416	.55
4	MP3B	X	-.887	.55
5	MP3B	Z	0	.55
6	MP3B	Mx	.000277	.55
7	MP3C	X	-.739	.55
8	MP3C	Z	0	.55
9	MP3C	Mx	.0004	.55
10	MP3A	X	-.665	.55
11	MP3A	Z	0	.55
12	MP3A	Mx	-.000416	.55
13	MP3B	X	-.887	.55
14	MP3B	Z	0	.55
15	MP3B	Mx	.000277	.55
16	MP3C	X	-.739	.55
17	MP3C	Z	0	.55
18	MP3C	Mx	.0004	.55
19	MP2A	X	-2.39	.58
20	MP2A	Z	0	.58
21	MP2A	Mx	.001	.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-2.39	2.58
23	MP2A	Z	0	2.58
24	MP2A	Mx	.001	2.58
25	MP2B	X	-5.177	.58
26	MP2B	Z	0	.58
27	MP2B	Mx	-.001	.58
28	MP2B	X	-5.177	2.58
29	MP2B	Z	0	2.58
30	MP2B	Mx	-.001	2.58
31	MP2C	X	-3.319	.58
32	MP2C	Z	0	.58
33	MP2C	Mx	-.001	.58
34	MP2C	X	-3.319	2.58
35	MP2C	Z	0	2.58
36	MP2C	Mx	-.001	2.58
37	MP3A	X	-7.772	1.42
38	MP3A	Z	0	1.42
39	MP3A	Mx	.006	1.42
40	MP3A	X	-7.772	4.92
41	MP3A	Z	0	4.92
42	MP3A	Mx	.006	4.92
43	MP3B	X	-10.819	1.42
44	MP3B	Z	0	1.42
45	MP3B	Mx	.003	1.42
46	MP3B	X	-10.819	4.92
47	MP3B	Z	0	4.92
48	MP3B	Mx	.003	4.92
49	MP3C	X	-8.788	1.42
50	MP3C	Z	0	1.42
51	MP3C	Mx	-.009	1.42
52	MP3C	X	-8.788	4.92
53	MP3C	Z	0	4.92
54	MP3C	Mx	-.009	4.92
55	MP3A	X	-7.772	1.42
56	MP3A	Z	0	1.42
57	MP3A	Mx	.006	1.42
58	MP3A	X	-7.772	4.92
59	MP3A	Z	0	4.92
60	MP3A	Mx	.006	4.92
61	MP3B	X	-10.819	1.42
62	MP3B	Z	0	1.42
63	MP3B	Mx	-.011	1.42
64	MP3B	X	-10.819	4.92
65	MP3B	Z	0	4.92
66	MP3B	Mx	-.011	4.92
67	MP3C	X	-8.788	1.42
68	MP3C	Z	0	1.42
69	MP3C	Mx	-.002	1.42
70	MP3C	X	-8.788	4.92
71	MP3C	Z	0	4.92
72	MP3C	Mx	-.002	4.92
73	MP2A	X	-1.657	4.96
74	MP2A	Z	0	4.96
75	MP2A	Mx	.00069	4.96
76	MP2B	X	-2.363	4.96
77	MP2B	Z	0	4.96
78	MP2B	Mx	-.000492	4.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2C	X	-1.892	4.96
80	MP2C	Z	0	4.96
81	MP2C	Mx	-.000683	4.96
82	MP1B	X	-3.96	.33
83	MP1B	Z	0	.33
84	MP1B	Mx	-.002	.33
85	MP1B	X	-3.96	2.83
86	MP1B	Z	0	2.83
87	MP1B	Mx	-.002	2.83
88	MP1C	X	-3.96	.33
89	MP1C	Z	0	.33
90	MP1C	Mx	-.002	.33
91	MP1C	X	-3.96	2.83
92	MP1C	Z	0	2.83
93	MP1C	Mx	-.002	2.83
94	MP5B	X	-3.96	.33
95	MP5B	Z	0	.33
96	MP5B	Mx	-.002	.33
97	MP5B	X	-3.96	2.83
98	MP5B	Z	0	2.83
99	MP5B	Mx	-.002	2.83
100	MP5C	X	-3.96	.33
101	MP5C	Z	0	.33
102	MP5C	Mx	-.002	.33
103	MP5C	X	-3.96	2.83
104	MP5C	Z	0	2.83
105	MP5C	Mx	-.002	2.83
106	MP4A	X	-3.248	.67
107	MP4A	Z	0	.67
108	MP4A	Mx	.002	.67
109	MP4B	X	-4.456	.67
110	MP4B	Z	0	.67
111	MP4B	Mx	-.001	.67
112	MP4C	X	-3.65	.67
113	MP4C	Z	0	.67
114	MP4C	Mx	-.002	.67
115	MP4A	X	-2.631	.67
116	MP4A	Z	0	.67
117	MP4A	Mx	-.002	.67
118	MP4B	X	-4.301	.67
119	MP4B	Z	0	.67
120	MP4B	Mx	.002	.67
121	MP4C	X	-3.187	.67
122	MP4C	Z	0	.67
123	MP4C	Mx	.002	.67
124	OVP	X	-7.659	2.5
125	OVP	Z	0	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-4.12	.33
128	MP1A	Z	0	.33
129	MP1A	Mx	.003	.33
130	MP1A	X	-4.12	2.83
131	MP1A	Z	0	2.83
132	MP1A	Mx	.003	2.83
133	MP5A	X	-4.12	.33
134	MP5A	Z	0	.33
135	MP5A	Mx	.003	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
136	MP5A	X	-4.12	2.83
137	MP5A	Z	0	2.83
138	MP5A	Mx	.003	2.83
139	OVP	X	-7.659	2
140	OVP	Z	0	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.64	.55
2	MP3A	Z	-.37	.55
3	MP3A	Mx	-.0004	.55
4	MP3B	X	-.832	.55
5	MP3B	Z	-.481	.55
6	MP3B	Mx	0	.55
7	MP3C	X	-.576	.55
8	MP3C	Z	-.333	.55
9	MP3C	Mx	.000416	.55
10	MP3A	X	-.64	.55
11	MP3A	Z	-.37	.55
12	MP3A	Mx	-.0004	.55
13	MP3B	X	-.832	.55
14	MP3B	Z	-.481	.55
15	MP3B	Mx	0	.55
16	MP3C	X	-.576	.55
17	MP3C	Z	-.333	.55
18	MP3C	Mx	.000416	.55
19	MP2A	X	-2.874	.58
20	MP2A	Z	-1.66	.58
21	MP2A	Mx	.001	.58
22	MP2A	X	-2.874	2.58
23	MP2A	Z	-1.66	2.58
24	MP2A	Mx	.001	2.58
25	MP2B	X	-5.287	.58
26	MP2B	Z	-3.053	.58
27	MP2B	Mx	0	.58
28	MP2B	X	-5.287	2.58
29	MP2B	Z	-3.053	2.58
30	MP2B	Mx	0	2.58
31	MP2C	X	-2.07	.58
32	MP2C	Z	-1.195	.58
33	MP2C	Mx	-.001	.58
34	MP2C	X	-2.07	2.58
35	MP2C	Z	-1.195	2.58
36	MP2C	Mx	-.001	2.58
37	MP3A	X	-7.61	1.42
38	MP3A	Z	-4.394	1.42
39	MP3A	Mx	.002	1.42
40	MP3A	X	-7.61	4.92
41	MP3A	Z	-4.394	4.92
42	MP3A	Mx	.002	4.92
43	MP3B	X	-10.249	1.42
44	MP3B	Z	-5.917	1.42
45	MP3B	Mx	.009	1.42
46	MP3B	X	-10.249	4.92
47	MP3B	Z	-5.917	4.92

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mx	.009	4.92
49	MP3C	X	-6.731	1.42
50	MP3C	Z	-3.886	1.42
51	MP3C	Mx	-.006	1.42
52	MP3C	X	-6.731	4.92
53	MP3C	Z	-3.886	4.92
54	MP3C	Mx	-.006	4.92
55	MP3A	X	-7.61	1.42
56	MP3A	Z	-4.394	1.42
57	MP3A	Mx	.009	1.42
58	MP3A	X	-7.61	4.92
59	MP3A	Z	-4.394	4.92
60	MP3A	Mx	.009	4.92
61	MP3B	X	-10.249	1.42
62	MP3B	Z	-5.917	1.42
63	MP3B	Mx	-.009	1.42
64	MP3B	X	-10.249	4.92
65	MP3B	Z	-5.917	4.92
66	MP3B	Mx	-.009	4.92
67	MP3C	X	-6.731	1.42
68	MP3C	Z	-3.886	1.42
69	MP3C	Mx	-.006	1.42
70	MP3C	X	-6.731	4.92
71	MP3C	Z	-3.886	4.92
72	MP3C	Mx	-.006	4.92
73	MP2A	X	-1.639	4.96
74	MP2A	Z	-.946	4.96
75	MP2A	Mx	.000683	4.96
76	MP2B	X	-2.25	4.96
77	MP2B	Z	-1.299	4.96
78	MP2B	Mx	0	4.96
79	MP2C	X	-1.435	4.96
80	MP2C	Z	-.828	4.96
81	MP2C	Mx	-.00069	4.96
82	MP1B	X	-3.217	.33
83	MP1B	Z	-1.858	.33
84	MP1B	Mx	0	.33
85	MP1B	X	-3.217	2.83
86	MP1B	Z	-1.858	2.83
87	MP1B	Mx	0	2.83
88	MP1C	X	-3.854	.33
89	MP1C	Z	-2.225	.33
90	MP1C	Mx	-.003	.33
91	MP1C	X	-3.854	2.83
92	MP1C	Z	-2.225	2.83
93	MP1C	Mx	-.003	2.83
94	MP5B	X	-3.217	.33
95	MP5B	Z	-1.858	.33
96	MP5B	Mx	0	.33
97	MP5B	X	-3.217	2.83
98	MP5B	Z	-1.858	2.83
99	MP5B	Mx	0	2.83
100	MP5C	X	-3.854	.33
101	MP5C	Z	-2.225	.33
102	MP5C	Mx	-.003	.33
103	MP5C	X	-3.854	2.83
104	MP5C	Z	-2.225	2.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP5C	Mx	-.003	2.83
106	MP4A	X	-3.161	.67
107	MP4A	Z	-1.825	.67
108	MP4A	Mx	.002	.67
109	MP4B	X	-4.207	.67
110	MP4B	Z	-2.429	.67
111	MP4B	Mx	0	.67
112	MP4C	X	-2.812	.67
113	MP4C	Z	-1.624	.67
114	MP4C	Mx	-.002	.67
115	MP4A	X	-2.76	.67
116	MP4A	Z	-1.594	.67
117	MP4A	Mx	-.002	.67
118	MP4B	X	-4.207	.67
119	MP4B	Z	-2.429	.67
120	MP4B	Mx	0	.67
121	MP4C	X	-2.278	.67
122	MP4C	Z	-1.315	.67
123	MP4C	Mx	.002	.67
124	OVP	X	-5.961	2.5
125	OVP	Z	-3.442	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-3.43	.33
128	MP1A	Z	-1.98	.33
129	MP1A	Mx	.003	.33
130	MP1A	X	-3.43	2.83
131	MP1A	Z	-1.98	2.83
132	MP1A	Mx	.003	2.83
133	MP5A	X	-3.43	.33
134	MP5A	Z	-1.98	.33
135	MP5A	Mx	.003	.33
136	MP5A	X	-3.43	2.83
137	MP5A	Z	-1.98	2.83
138	MP5A	Mx	.003	2.83
139	OVP	X	-5.961	2
140	OVP	Z	-3.442	2
141	OVP	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.444	.55
2	MP3A	Z	-.768	.55
3	MP3A	Mx	-.000278	.55
4	MP3B	X	-.444	.55
5	MP3B	Z	-.768	.55
6	MP3B	Mx	-.000277	.55
7	MP3C	X	-.37	.55
8	MP3C	Z	-.64	.55
9	MP3C	Mx	.0004	.55
10	MP3A	X	-.444	.55
11	MP3A	Z	-.768	.55
12	MP3A	Mx	-.000278	.55
13	MP3B	X	-.444	.55
14	MP3B	Z	-.768	.55
15	MP3B	Mx	-.000277	.55
16	MP3C	X	-.37	.55

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	-.64	.55
18	MP3C	Mx	.0004	.55
19	MP2A	X	-2.588	.58
20	MP2A	Z	-4.483	.58
21	MP2A	Mx	.001	.58
22	MP2A	X	-2.588	2.58
23	MP2A	Z	-4.483	2.58
24	MP2A	Mx	.001	2.58
25	MP2B	X	-2.588	.58
26	MP2B	Z	-4.483	.58
27	MP2B	Mx	.001	.58
28	MP2B	X	-2.588	2.58
29	MP2B	Z	-4.483	2.58
30	MP2B	Mx	.001	2.58
31	MP2C	X	-1.66	.58
32	MP2C	Z	-2.874	.58
33	MP2C	Mx	-.001	.58
34	MP2C	X	-1.66	2.58
35	MP2C	Z	-2.874	2.58
36	MP2C	Mx	-.001	2.58
37	MP3A	X	-5.409	1.42
38	MP3A	Z	-9.369	1.42
39	MP3A	Mx	-.003	1.42
40	MP3A	X	-5.409	4.92
41	MP3A	Z	-9.369	4.92
42	MP3A	Mx	-.003	4.92
43	MP3B	X	-5.409	1.42
44	MP3B	Z	-9.369	1.42
45	MP3B	Mx	.011	1.42
46	MP3B	X	-5.409	4.92
47	MP3B	Z	-9.369	4.92
48	MP3B	Mx	.011	4.92
49	MP3C	X	-4.394	1.42
50	MP3C	Z	-7.61	1.42
51	MP3C	Mx	-.002	1.42
52	MP3C	X	-4.394	4.92
53	MP3C	Z	-7.61	4.92
54	MP3C	Mx	-.002	4.92
55	MP3A	X	-5.409	1.42
56	MP3A	Z	-9.369	1.42
57	MP3A	Mx	.011	1.42
58	MP3A	X	-5.409	4.92
59	MP3A	Z	-9.369	4.92
60	MP3A	Mx	.011	4.92
61	MP3B	X	-5.409	1.42
62	MP3B	Z	-9.369	1.42
63	MP3B	Mx	-.003	1.42
64	MP3B	X	-5.409	4.92
65	MP3B	Z	-9.369	4.92
66	MP3B	Mx	-.003	4.92
67	MP3C	X	-4.394	1.42
68	MP3C	Z	-7.61	1.42
69	MP3C	Mx	-.009	1.42
70	MP3C	X	-4.394	4.92
71	MP3C	Z	-7.61	4.92
72	MP3C	Mx	-.009	4.92
73	MP2A	X	-1.181	4.96

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2A	Z	-2.046	4.96
75	MP2A	Mx	.000492	4.96
76	MP2B	X	-1.181	4.96
77	MP2B	Z	-2.046	4.96
78	MP2B	Mx	.000492	4.96
79	MP2C	X	-.946	4.96
80	MP2C	Z	-1.639	4.96
81	MP2C	Mx	-.000683	4.96
82	MP1B	X	-1.98	.33
83	MP1B	Z	-3.43	.33
84	MP1B	Mx	.002	.33
85	MP1B	X	-1.98	2.83
86	MP1B	Z	-3.43	2.83
87	MP1B	Mx	.002	2.83
88	MP1C	X	-2.348	.33
89	MP1C	Z	-4.067	.33
90	MP1C	Mx	-.004	.33
91	MP1C	X	-2.348	2.83
92	MP1C	Z	-4.067	2.83
93	MP1C	Mx	-.004	2.83
94	MP5B	X	-1.98	.33
95	MP5B	Z	-3.43	.33
96	MP5B	Mx	.002	.33
97	MP5B	X	-1.98	2.83
98	MP5B	Z	-3.43	2.83
99	MP5B	Mx	.002	2.83
100	MP5C	X	-2.348	.33
101	MP5C	Z	-4.067	.33
102	MP5C	Mx	-.004	.33
103	MP5C	X	-2.348	2.83
104	MP5C	Z	-4.067	2.83
105	MP5C	Mx	-.004	2.83
106	MP4A	X	-2.228	.67
107	MP4A	Z	-3.859	.67
108	MP4A	Mx	.001	.67
109	MP4B	X	-2.228	.67
110	MP4B	Z	-3.859	.67
111	MP4B	Mx	.001	.67
112	MP4C	X	-1.825	.67
113	MP4C	Z	-3.161	.67
114	MP4C	Mx	-.002	.67
115	MP4A	X	-2.151	.67
116	MP4A	Z	-3.725	.67
117	MP4A	Mx	-.002	.67
118	MP4B	X	-2.151	.67
119	MP4B	Z	-3.725	.67
120	MP4B	Mx	-.002	.67
121	MP4C	X	-1.594	.67
122	MP4C	Z	-2.76	.67
123	MP4C	Mx	.002	.67
124	OVP	X	-3.248	2.5
125	OVP	Z	-5.625	2.5
126	OVP	Mx	0	2.5
127	MP1A	X	-1.821	.33
128	MP1A	Z	-3.153	.33
129	MP1A	Mx	.001	.33
130	MP1A	X	-1.821	2.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
131	MP1A	Z	-3.153	2.83
132	MP1A	Mx	.001	2.83
133	MP5A	X	-1.821	.33
134	MP5A	Z	-3.153	.33
135	MP5A	Mx	.001	.33
136	MP5A	X	-1.821	2.83
137	MP5A	Z	-3.153	2.83
138	MP5A	Mx	.001	2.83
139	OVP	X	-3.248	2
140	OVP	Z	-5.625	2
141	OVP	Mx	0	2

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M2	Y	-500	%45

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%98

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M2	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-14.846	-14.846	0	%100
2	M2	Y	-14.846	-14.846	0	%100
3	M3	Y	-14.846	-14.846	0	%100
4	M4	Y	-14.846	-14.846	0	%100
5	M5	Y	-14.846	-14.846	0	%100
6	M6	Y	-14.846	-14.846	0	%100
7	M7	Y	-14.846	-14.846	0	%100
8	M8	Y	-14.846	-14.846	0	%100
9	M9	Y	-14.846	-14.846	0	%100
10	M13	Y	-24.797	-24.797	0	%100
11	M14A	Y	-24.797	-24.797	0	%100
12	M18	Y	-24.797	-24.797	0	%100
13	M25	Y	-12.618	-12.618	0	%100
14	M26	Y	-12.618	-12.618	0	%100
15	M27	Y	-12.618	-12.618	0	%100
16	M34	Y	-24.797	-24.797	0	%100
17	M42	Y	-24.797	-24.797	0	%100
18	M50	Y	-24.797	-24.797	0	%100
19	M52	Y	-8.883	-8.883	0	%100
20	M53	Y	-8.883	-8.883	0	%100
21	M54	Y	-8.883	-8.883	0	%100
22	M55	Y	-8.883	-8.883	0	%100
23	M56	Y	-8.883	-8.883	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,%]
24	M57	Y	-8.883	-8.883	0	%100
25	M58	Y	-8.883	-8.883	0	%100
26	M61	Y	-8.883	-8.883	0	%100
27	M62	Y	-8.883	-8.883	0	%100
28	M63	Y	-8.883	-8.883	0	%100
29	M68	Y	-8.883	-8.883	0	%100
30	M69	Y	-8.883	-8.883	0	%100
31	M70	Y	-8.883	-8.883	0	%100
32	MP1A	Y	-8.672	-8.672	0	%100
33	MP3A	Y	-8.672	-8.672	0	%100
34	MP4A	Y	-8.672	-8.672	0	%100
35	MP5A	Y	-8.672	-8.672	0	%100
36	MP1C	Y	-8.672	-8.672	0	%100
37	MP3C	Y	-8.672	-8.672	0	%100
38	MP4C	Y	-8.672	-8.672	0	%100
39	MP5C	Y	-8.672	-8.672	0	%100
40	MP1B	Y	-8.672	-8.672	0	%100
41	MP3B	Y	-8.672	-8.672	0	%100
42	MP4B	Y	-8.672	-8.672	0	%100
43	MP5B	Y	-8.672	-8.672	0	%100
44	MP2A	Y	-8.672	-8.672	0	%100
45	MP2C	Y	-8.672	-8.672	0	%100
46	MP2B	Y	-8.672	-8.672	0	%100
47	M106	Y	-14.846	-14.846	0	%100
48	M107	Y	-9.63	-9.63	0	%100
49	M108	Y	-9.63	-9.63	0	%100
50	M109	Y	-9.63	-9.63	0	%100
51	M110	Y	-5.238	-5.238	0	%100
52	M111	Y	-5.238	-5.238	0	%100
53	M112	Y	-5.238	-5.238	0	%100
54	M113	Y	-5.238	-5.238	0	%100
55	M114	Y	-5.238	-5.238	0	%100
56	OVP	Y	-8.672	-8.672	0	%100
57	M103A	Y	-8.883	-8.883	0	%100
58	M104A	Y	-8.883	-8.883	0	%100
59	M105	Y	-8.883	-8.883	0	%100
60	M106A	Y	-8.883	-8.883	0	%100
61	M107A	Y	-8.883	-8.883	0	%100
62	M108C	Y	-8.883	-8.883	0	%100
63	M109B	Y	-8.883	-8.883	0	%100
64	M110B	Y	-8.883	-8.883	0	%100
65	M111A	Y	-8.883	-8.883	0	%100
66	M112A	Y	-8.883	-8.883	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-26.685	-26.685	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-26.685	-26.685	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-6.671	-6.671	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-6.671	-6.671	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-6.671	-6.671	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,%]
11	M6	X	0	0	0	%100
12	M6	Z	-6.671	-6.671	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-26.372	-26.372	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-6.593	-6.593	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-6.593	-6.593	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	-.377	-.377	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	-.377	-.377	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-1.507	-1.507	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-5.024	-5.024	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-20.097	-20.097	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-5.024	-5.024	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	-.377	-.377	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	-.377	-.377	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	-1.507	-1.507	0	%100
37	M52	X	0	0	0	%100
38	M52	Z	-10.97	-10.97	0	%100
39	M53	X	0	0	0	%100
40	M53	Z	-10.97	-10.97	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	-10.746	-10.746	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	-10.97	-10.97	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	-10.97	-10.97	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	-11.723	-11.723	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	-11.723	-11.723	0	%100
51	M61	X	0	0	0	%100
52	M61	Z	-2.687	-2.687	0	%100
53	M62	X	0	0	0	%100
54	M62	Z	-10.97	-10.97	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	-10.97	-10.97	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-2.687	-2.687	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	-10.97	-10.97	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	-10.97	-10.97	0	%100
63	MP1A	X	0	0	0	%100
64	MP1A	Z	-9.546	-9.546	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	-9.546	-9.546	0	%100
67	MP4A	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,%]
68	MP4A	Z	-9.546	-9.546	0	%100
69	MP5A	X	0	0	0	%100
70	MP5A	Z	-9.546	-9.546	0	%100
71	MP1C	X	0	0	0	%100
72	MP1C	Z	-9.546	-9.546	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	-9.546	-9.546	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	-9.546	-9.546	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	-9.546	-9.546	0	%100
79	MP1B	X	0	0	0	%100
80	MP1B	Z	-9.546	-9.546	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	-9.546	-9.546	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	-9.546	-9.546	0	%100
85	MP5B	X	0	0	0	%100
86	MP5B	Z	-9.546	-9.546	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-9.546	-9.546	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-9.546	-9.546	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-9.546	-9.546	0	%100
93	M106	X	0	0	0	%100
94	M106	Z	-5.848	-5.848	0	%100
95	M107	X	0	0	0	%100
96	M107	Z	-7.788	-7.788	0	%100
97	M108	X	0	0	0	%100
98	M108	Z	-13.398	-13.398	0	%100
99	M109	X	0	0	0	%100
100	M109	Z	-13.398	-13.398	0	%100
101	M110	X	0	0	0	%100
102	M110	Z	-2.107	-2.107	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	-2.107	-2.107	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	-2.107	-2.107	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	-2.107	-2.107	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	-2.107	-2.107	0	%100
111	OVP	X	0	0	0	%100
112	OVP	Z	-8.327	-8.327	0	%100
113	M103A	X	0	0	0	%100
114	M103A	Z	-10.97	-10.97	0	%100
115	M104A	X	0	0	0	%100
116	M104A	Z	-10.97	-10.97	0	%100
117	M105	X	0	0	0	%100
118	M105	Z	-2.687	-2.687	0	%100
119	M106A	X	0	0	0	%100
120	M106A	Z	-6.931	-6.931	0	%100
121	M107A	X	0	0	0	%100
122	M107A	Z	-6.931	-6.931	0	%100
123	M108C	X	0	0	0	%100
124	M108C	Z	-10.97	-10.97	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,%]
125	M109B	X	0	0	0	%100
126	M109B	Z	-10.97	-10.97	0	%100
127	M110B	X	0	0	0	%100
128	M110B	Z	-2.687	-2.687	0	%100
129	M111A	X	0	0	0	%100
130	M111A	Z	-6.931	-6.931	0	%100
131	M112A	X	0	0	0	%100
132	M112A	Z	-6.931	-6.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	10.007	10.007	0	%100
2	M1	Z	-17.332	-17.332	0	%100
3	M2	X	10.007	10.007	0	%100
4	M2	Z	-17.332	-17.332	0	%100
5	M3	X	10.007	10.007	0	%100
6	M3	Z	-17.332	-17.332	0	%100
7	M4	X	10.007	10.007	0	%100
8	M4	Z	-17.332	-17.332	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	9.889	9.889	0	%100
14	M7	Z	-17.129	-17.129	0	%100
15	M8	X	9.889	9.889	0	%100
16	M8	Z	-17.129	-17.129	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	.565	.565	0	%100
20	M13	Z	-.979	-.979	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	.565	.565	0	%100
24	M18	Z	-.979	-.979	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	7.536	7.536	0	%100
28	M26	Z	-13.054	-13.054	0	%100
29	M27	X	7.536	7.536	0	%100
30	M27	Z	-13.054	-13.054	0	%100
31	M34	X	.565	.565	0	%100
32	M34	Z	-.979	-.979	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	.565	.565	0	%100
36	M50	Z	-.979	-.979	0	%100
37	M52	X	5.485	5.485	0	%100
38	M52	Z	-9.5	-9.5	0	%100
39	M53	X	5.485	5.485	0	%100
40	M53	Z	-9.5	-9.5	0	%100
41	M54	X	4.03	4.03	0	%100
42	M54	Z	-6.98	-6.98	0	%100
43	M55	X	5.485	5.485	0	%100
44	M55	Z	-9.5	-9.5	0	%100
45	M56	X	5.485	5.485	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,%]
46	M56	Z	-9.5	-9.5	0	%100
47	M57	X	5.063	5.063	0	%100
48	M57	Z	-8.769	-8.769	0	%100
49	M58	X	5.063	5.063	0	%100
50	M58	Z	-8.769	-8.769	0	%100
51	M61	X	4.03	4.03	0	%100
52	M61	Z	-6.98	-6.98	0	%100
53	M62	X	5.485	5.485	0	%100
54	M62	Z	-9.5	-9.5	0	%100
55	M63	X	5.485	5.485	0	%100
56	M63	Z	-9.5	-9.5	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	5.485	5.485	0	%100
60	M69	Z	-9.5	-9.5	0	%100
61	M70	X	5.485	5.485	0	%100
62	M70	Z	-9.5	-9.5	0	%100
63	MP1A	X	4.773	4.773	0	%100
64	MP1A	Z	-8.267	-8.267	0	%100
65	MP3A	X	4.773	4.773	0	%100
66	MP3A	Z	-8.267	-8.267	0	%100
67	MP4A	X	4.773	4.773	0	%100
68	MP4A	Z	-8.267	-8.267	0	%100
69	MP5A	X	4.773	4.773	0	%100
70	MP5A	Z	-8.267	-8.267	0	%100
71	MP1C	X	4.773	4.773	0	%100
72	MP1C	Z	-8.267	-8.267	0	%100
73	MP3C	X	4.773	4.773	0	%100
74	MP3C	Z	-8.267	-8.267	0	%100
75	MP4C	X	4.773	4.773	0	%100
76	MP4C	Z	-8.267	-8.267	0	%100
77	MP5C	X	4.773	4.773	0	%100
78	MP5C	Z	-8.267	-8.267	0	%100
79	MP1B	X	4.773	4.773	0	%100
80	MP1B	Z	-8.267	-8.267	0	%100
81	MP3B	X	4.773	4.773	0	%100
82	MP3B	Z	-8.267	-8.267	0	%100
83	MP4B	X	4.773	4.773	0	%100
84	MP4B	Z	-8.267	-8.267	0	%100
85	MP5B	X	4.773	4.773	0	%100
86	MP5B	Z	-8.267	-8.267	0	%100
87	MP2A	X	4.773	4.773	0	%100
88	MP2A	Z	-8.267	-8.267	0	%100
89	MP2C	X	4.773	4.773	0	%100
90	MP2C	Z	-8.267	-8.267	0	%100
91	MP2B	X	4.773	4.773	0	%100
92	MP2B	Z	-8.267	-8.267	0	%100
93	M106	X	8.772	8.772	0	%100
94	M106	Z	-15.194	-15.194	0	%100
95	M107	X	1.298	1.298	0	%100
96	M107	Z	-2.248	-2.248	0	%100
97	M108	X	6.699	6.699	0	%100
98	M108	Z	-11.603	-11.603	0	%100
99	M109	X	6.699	6.699	0	%100
100	M109	Z	-11.603	-11.603	0	%100
101	M110	X	.351	.351	0	%100
102	M110	Z	-.608	-.608	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,%]
103	M111	X	.351	.351	0	%100
104	M111	Z	-.608	-.608	0	%100
105	M112	X	.351	.351	0	%100
106	M112	Z	-.608	-.608	0	%100
107	M113	X	.351	.351	0	%100
108	M113	Z	-.608	-.608	0	%100
109	M114	X	.351	.351	0	%100
110	M114	Z	-.608	-.608	0	%100
111	OVP	X	4.164	4.164	0	%100
112	OVP	Z	-7.212	-7.212	0	%100
113	M103A	X	5.485	5.485	0	%100
114	M103A	Z	-9.5	-9.5	0	%100
115	M104A	X	5.485	5.485	0	%100
116	M104A	Z	-9.5	-9.5	0	%100
117	M105	X	4.03	4.03	0	%100
118	M105	Z	-6.98	-6.98	0	%100
119	M106A	X	5.063	5.063	0	%100
120	M106A	Z	-8.769	-8.769	0	%100
121	M107A	X	5.063	5.063	0	%100
122	M107A	Z	-8.769	-8.769	0	%100
123	M108C	X	5.485	5.485	0	%100
124	M108C	Z	-9.5	-9.5	0	%100
125	M109B	X	5.485	5.485	0	%100
126	M109B	Z	-9.5	-9.5	0	%100
127	M110B	X	0	0	0	%100
128	M110B	Z	0	0	0	%100
129	M111A	X	2.667	2.667	0	%100
130	M111A	Z	-4.619	-4.619	0	%100
131	M112A	X	2.667	2.667	0	%100
132	M112A	Z	-4.619	-4.619	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.777	5.777	0	%100
2	M1	Z	-3.336	-3.336	0	%100
3	M2	X	5.777	5.777	0	%100
4	M2	Z	-3.336	-3.336	0	%100
5	M3	X	23.11	23.11	0	%100
6	M3	Z	-13.342	-13.342	0	%100
7	M4	X	23.11	23.11	0	%100
8	M4	Z	-13.342	-13.342	0	%100
9	M5	X	5.777	5.777	0	%100
10	M5	Z	-3.336	-3.336	0	%100
11	M6	X	5.777	5.777	0	%100
12	M6	Z	-3.336	-3.336	0	%100
13	M7	X	5.71	5.71	0	%100
14	M7	Z	-3.296	-3.296	0	%100
15	M8	X	22.839	22.839	0	%100
16	M8	Z	-13.186	-13.186	0	%100
17	M9	X	5.71	5.71	0	%100
18	M9	Z	-3.296	-3.296	0	%100
19	M13	X	1.305	1.305	0	%100
20	M13	Z	-.754	-.754	0	%100
21	M14A	X	.326	.326	0	%100
22	M14A	Z	-.188	-.188	0	%100
23	M18	X	.326	.326	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,%]
24	M18	Z	-.188	-.188	0	%100
25	M25	X	4.351	4.351	0	%100
26	M25	Z	-2.512	-2.512	0	%100
27	M26	X	4.351	4.351	0	%100
28	M26	Z	-2.512	-2.512	0	%100
29	M27	X	17.405	17.405	0	%100
30	M27	Z	-10.049	-10.049	0	%100
31	M34	X	1.305	1.305	0	%100
32	M34	Z	-.754	-.754	0	%100
33	M42	X	.326	.326	0	%100
34	M42	Z	-.188	-.188	0	%100
35	M50	X	.326	.326	0	%100
36	M50	Z	-.188	-.188	0	%100
37	M52	X	9.5	9.5	0	%100
38	M52	Z	-5.485	-5.485	0	%100
39	M53	X	9.5	9.5	0	%100
40	M53	Z	-5.485	-5.485	0	%100
41	M54	X	2.327	2.327	0	%100
42	M54	Z	-1.343	-1.343	0	%100
43	M55	X	9.5	9.5	0	%100
44	M55	Z	-5.485	-5.485	0	%100
45	M56	X	9.5	9.5	0	%100
46	M56	Z	-5.485	-5.485	0	%100
47	M57	X	6.002	6.002	0	%100
48	M57	Z	-3.465	-3.465	0	%100
49	M58	X	6.002	6.002	0	%100
50	M58	Z	-3.465	-3.465	0	%100
51	M61	X	9.307	9.307	0	%100
52	M61	Z	-5.373	-5.373	0	%100
53	M62	X	9.5	9.5	0	%100
54	M62	Z	-5.485	-5.485	0	%100
55	M63	X	9.5	9.5	0	%100
56	M63	Z	-5.485	-5.485	0	%100
57	M68	X	2.327	2.327	0	%100
58	M68	Z	-1.343	-1.343	0	%100
59	M69	X	9.5	9.5	0	%100
60	M69	Z	-5.485	-5.485	0	%100
61	M70	X	9.5	9.5	0	%100
62	M70	Z	-5.485	-5.485	0	%100
63	MP1A	X	8.267	8.267	0	%100
64	MP1A	Z	-4.773	-4.773	0	%100
65	MP3A	X	8.267	8.267	0	%100
66	MP3A	Z	-4.773	-4.773	0	%100
67	MP4A	X	8.267	8.267	0	%100
68	MP4A	Z	-4.773	-4.773	0	%100
69	MP5A	X	8.267	8.267	0	%100
70	MP5A	Z	-4.773	-4.773	0	%100
71	MP1C	X	8.267	8.267	0	%100
72	MP1C	Z	-4.773	-4.773	0	%100
73	MP3C	X	8.267	8.267	0	%100
74	MP3C	Z	-4.773	-4.773	0	%100
75	MP4C	X	8.267	8.267	0	%100
76	MP4C	Z	-4.773	-4.773	0	%100
77	MP5C	X	8.267	8.267	0	%100
78	MP5C	Z	-4.773	-4.773	0	%100
79	MP1B	X	8.267	8.267	0	%100
80	MP1B	Z	-4.773	-4.773	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,%]
81	MP3B	X	8.267	8.267	0	%100
82	MP3B	Z	-4.773	-4.773	0	%100
83	MP4B	X	8.267	8.267	0	%100
84	MP4B	Z	-4.773	-4.773	0	%100
85	MP5B	X	8.267	8.267	0	%100
86	MP5B	Z	-4.773	-4.773	0	%100
87	MP2A	X	8.267	8.267	0	%100
88	MP2A	Z	-4.773	-4.773	0	%100
89	MP2C	X	8.267	8.267	0	%100
90	MP2C	Z	-4.773	-4.773	0	%100
91	MP2B	X	8.267	8.267	0	%100
92	MP2B	Z	-4.773	-4.773	0	%100
93	M106	X	20.259	20.259	0	%100
94	M106	Z	-11.697	-11.697	0	%100
95	M107	X	0	0	0	%100
96	M107	Z	0	0	0	%100
97	M108	X	11.603	11.603	0	%100
98	M108	Z	-6.699	-6.699	0	%100
99	M109	X	11.603	11.603	0	%100
100	M109	Z	-6.699	-6.699	0	%100
101	M110	X	0	0	0	%100
102	M110	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	0	0	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	0	0	0	%100
111	OVP	X	7.212	7.212	0	%100
112	OVP	Z	-4.164	-4.164	0	%100
113	M103A	X	9.5	9.5	0	%100
114	M103A	Z	-5.485	-5.485	0	%100
115	M104A	X	9.5	9.5	0	%100
116	M104A	Z	-5.485	-5.485	0	%100
117	M105	X	9.307	9.307	0	%100
118	M105	Z	-5.373	-5.373	0	%100
119	M106A	X	10.153	10.153	0	%100
120	M106A	Z	-5.862	-5.862	0	%100
121	M107A	X	10.153	10.153	0	%100
122	M107A	Z	-5.862	-5.862	0	%100
123	M108C	X	9.5	9.5	0	%100
124	M108C	Z	-5.485	-5.485	0	%100
125	M109B	X	9.5	9.5	0	%100
126	M109B	Z	-5.485	-5.485	0	%100
127	M110B	X	2.327	2.327	0	%100
128	M110B	Z	-1.343	-1.343	0	%100
129	M111A	X	6.002	6.002	0	%100
130	M111A	Z	-3.465	-3.465	0	%100
131	M112A	X	6.002	6.002	0	%100
132	M112A	Z	-3.465	-3.465	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100

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,%]
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	20.013	20.013	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	20.013	20.013	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	20.013	20.013	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	20.013	20.013	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	19.779	19.779	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	19.779	19.779	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	1.13	1.13	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	1.13	1.13	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	15.073	15.073	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	15.073	15.073	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	1.13	1.13	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	1.13	1.13	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	10.97	10.97	0	%100
38	M52	Z	0	0	0	%100
39	M53	X	10.97	10.97	0	%100
40	M53	Z	0	0	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	10.97	10.97	0	%100
44	M55	Z	0	0	0	%100
45	M56	X	10.97	10.97	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	5.333	5.333	0	%100
48	M57	Z	0	0	0	%100
49	M58	X	5.333	5.333	0	%100
50	M58	Z	0	0	0	%100
51	M61	X	8.06	8.06	0	%100
52	M61	Z	0	0	0	%100
53	M62	X	10.97	10.97	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	10.97	10.97	0	%100
56	M63	Z	0	0	0	%100
57	M68	X	8.06	8.06	0	%100
58	M68	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,%]
59	M69	X	10.97	10.97	0	%100
60	M69	Z	0	0	0	%100
61	M70	X	10.97	10.97	0	%100
62	M70	Z	0	0	0	%100
63	MP1A	X	9.546	9.546	0	%100
64	MP1A	Z	0	0	0	%100
65	MP3A	X	9.546	9.546	0	%100
66	MP3A	Z	0	0	0	%100
67	MP4A	X	9.546	9.546	0	%100
68	MP4A	Z	0	0	0	%100
69	MP5A	X	9.546	9.546	0	%100
70	MP5A	Z	0	0	0	%100
71	MP1C	X	9.546	9.546	0	%100
72	MP1C	Z	0	0	0	%100
73	MP3C	X	9.546	9.546	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	9.546	9.546	0	%100
76	MP4C	Z	0	0	0	%100
77	MP5C	X	9.546	9.546	0	%100
78	MP5C	Z	0	0	0	%100
79	MP1B	X	9.546	9.546	0	%100
80	MP1B	Z	0	0	0	%100
81	MP3B	X	9.546	9.546	0	%100
82	MP3B	Z	0	0	0	%100
83	MP4B	X	9.546	9.546	0	%100
84	MP4B	Z	0	0	0	%100
85	MP5B	X	9.546	9.546	0	%100
86	MP5B	Z	0	0	0	%100
87	MP2A	X	9.546	9.546	0	%100
88	MP2A	Z	0	0	0	%100
89	MP2C	X	9.546	9.546	0	%100
90	MP2C	Z	0	0	0	%100
91	MP2B	X	9.546	9.546	0	%100
92	MP2B	Z	0	0	0	%100
93	M106	X	17.545	17.545	0	%100
94	M106	Z	0	0	0	%100
95	M107	X	2.596	2.596	0	%100
96	M107	Z	0	0	0	%100
97	M108	X	13.398	13.398	0	%100
98	M108	Z	0	0	0	%100
99	M109	X	13.398	13.398	0	%100
100	M109	Z	0	0	0	%100
101	M110	X	.702	.702	0	%100
102	M110	Z	0	0	0	%100
103	M111	X	.702	.702	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	.702	.702	0	%100
106	M112	Z	0	0	0	%100
107	M113	X	.702	.702	0	%100
108	M113	Z	0	0	0	%100
109	M114	X	.702	.702	0	%100
110	M114	Z	0	0	0	%100
111	OVP	X	8.327	8.327	0	%100
112	OVP	Z	0	0	0	%100
113	M103A	X	10.97	10.97	0	%100
114	M103A	Z	0	0	0	%100
115	M104A	X	10.97	10.97	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,%]
116	M104A	Z	0	0	0	%100
117	M105	X	8.06	8.06	0	%100
118	M105	Z	0	0	0	%100
119	M106A	X	10.126	10.126	0	%100
120	M106A	Z	0	0	0	%100
121	M107A	X	10.126	10.126	0	%100
122	M107A	Z	0	0	0	%100
123	M108C	X	10.97	10.97	0	%100
124	M108C	Z	0	0	0	%100
125	M109B	X	10.97	10.97	0	%100
126	M109B	Z	0	0	0	%100
127	M110B	X	8.06	8.06	0	%100
128	M110B	Z	0	0	0	%100
129	M111A	X	10.126	10.126	0	%100
130	M111A	Z	0	0	0	%100
131	M112A	X	10.126	10.126	0	%100
132	M112A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.777	5.777	0	%100
2	M1	Z	3.336	3.336	0	%100
3	M2	X	5.777	5.777	0	%100
4	M2	Z	3.336	3.336	0	%100
5	M3	X	5.777	5.777	0	%100
6	M3	Z	3.336	3.336	0	%100
7	M4	X	5.777	5.777	0	%100
8	M4	Z	3.336	3.336	0	%100
9	M5	X	23.11	23.11	0	%100
10	M5	Z	13.342	13.342	0	%100
11	M6	X	23.11	23.11	0	%100
12	M6	Z	13.342	13.342	0	%100
13	M7	X	5.71	5.71	0	%100
14	M7	Z	3.296	3.296	0	%100
15	M8	X	5.71	5.71	0	%100
16	M8	Z	3.296	3.296	0	%100
17	M9	X	22.839	22.839	0	%100
18	M9	Z	13.186	13.186	0	%100
19	M13	X	.326	.326	0	%100
20	M13	Z	.188	.188	0	%100
21	M14A	X	1.305	1.305	0	%100
22	M14A	Z	.754	.754	0	%100
23	M18	X	.326	.326	0	%100
24	M18	Z	.188	.188	0	%100
25	M25	X	17.405	17.405	0	%100
26	M25	Z	10.049	10.049	0	%100
27	M26	X	4.351	4.351	0	%100
28	M26	Z	2.512	2.512	0	%100
29	M27	X	4.351	4.351	0	%100
30	M27	Z	2.512	2.512	0	%100
31	M34	X	.326	.326	0	%100
32	M34	Z	.188	.188	0	%100
33	M42	X	1.305	1.305	0	%100
34	M42	Z	.754	.754	0	%100
35	M50	X	.326	.326	0	%100
36	M50	Z	.188	.188	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,%]
37	M52	X	9.5	9.5	0	%100
38	M52	Z	5.485	5.485	0	%100
39	M53	X	9.5	9.5	0	%100
40	M53	Z	5.485	5.485	0	%100
41	M54	X	2.327	2.327	0	%100
42	M54	Z	1.343	1.343	0	%100
43	M55	X	9.5	9.5	0	%100
44	M55	Z	5.485	5.485	0	%100
45	M56	X	9.5	9.5	0	%100
46	M56	Z	5.485	5.485	0	%100
47	M57	X	6.002	6.002	0	%100
48	M57	Z	3.465	3.465	0	%100
49	M58	X	6.002	6.002	0	%100
50	M58	Z	3.465	3.465	0	%100
51	M61	X	2.327	2.327	0	%100
52	M61	Z	1.343	1.343	0	%100
53	M62	X	9.5	9.5	0	%100
54	M62	Z	5.485	5.485	0	%100
55	M63	X	9.5	9.5	0	%100
56	M63	Z	5.485	5.485	0	%100
57	M68	X	9.307	9.307	0	%100
58	M68	Z	5.373	5.373	0	%100
59	M69	X	9.5	9.5	0	%100
60	M69	Z	5.485	5.485	0	%100
61	M70	X	9.5	9.5	0	%100
62	M70	Z	5.485	5.485	0	%100
63	MP1A	X	8.267	8.267	0	%100
64	MP1A	Z	4.773	4.773	0	%100
65	MP3A	X	8.267	8.267	0	%100
66	MP3A	Z	4.773	4.773	0	%100
67	MP4A	X	8.267	8.267	0	%100
68	MP4A	Z	4.773	4.773	0	%100
69	MP5A	X	8.267	8.267	0	%100
70	MP5A	Z	4.773	4.773	0	%100
71	MP1C	X	8.267	8.267	0	%100
72	MP1C	Z	4.773	4.773	0	%100
73	MP3C	X	8.267	8.267	0	%100
74	MP3C	Z	4.773	4.773	0	%100
75	MP4C	X	8.267	8.267	0	%100
76	MP4C	Z	4.773	4.773	0	%100
77	MP5C	X	8.267	8.267	0	%100
78	MP5C	Z	4.773	4.773	0	%100
79	MP1B	X	8.267	8.267	0	%100
80	MP1B	Z	4.773	4.773	0	%100
81	MP3B	X	8.267	8.267	0	%100
82	MP3B	Z	4.773	4.773	0	%100
83	MP4B	X	8.267	8.267	0	%100
84	MP4B	Z	4.773	4.773	0	%100
85	MP5B	X	8.267	8.267	0	%100
86	MP5B	Z	4.773	4.773	0	%100
87	MP2A	X	8.267	8.267	0	%100
88	MP2A	Z	4.773	4.773	0	%100
89	MP2C	X	8.267	8.267	0	%100
90	MP2C	Z	4.773	4.773	0	%100
91	MP2B	X	8.267	8.267	0	%100
92	MP2B	Z	4.773	4.773	0	%100
93	M106	X	5.065	5.065	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,%]
94	M106	Z	2.924	2.924	0	%100
95	M107	X	6.744	6.744	0	%100
96	M107	Z	3.894	3.894	0	%100
97	M108	X	11.603	11.603	0	%100
98	M108	Z	6.699	6.699	0	%100
99	M109	X	11.603	11.603	0	%100
100	M109	Z	6.699	6.699	0	%100
101	M110	X	1.825	1.825	0	%100
102	M110	Z	1.054	1.054	0	%100
103	M111	X	1.825	1.825	0	%100
104	M111	Z	1.054	1.054	0	%100
105	M112	X	1.825	1.825	0	%100
106	M112	Z	1.054	1.054	0	%100
107	M113	X	1.825	1.825	0	%100
108	M113	Z	1.054	1.054	0	%100
109	M114	X	1.825	1.825	0	%100
110	M114	Z	1.054	1.054	0	%100
111	OVP	X	7.212	7.212	0	%100
112	OVP	Z	4.164	4.164	0	%100
113	M103A	X	9.5	9.5	0	%100
114	M103A	Z	5.485	5.485	0	%100
115	M104A	X	9.5	9.5	0	%100
116	M104A	Z	5.485	5.485	0	%100
117	M105	X	2.327	2.327	0	%100
118	M105	Z	1.343	1.343	0	%100
119	M106A	X	6.002	6.002	0	%100
120	M106A	Z	3.465	3.465	0	%100
121	M107A	X	6.002	6.002	0	%100
122	M107A	Z	3.465	3.465	0	%100
123	M108C	X	9.5	9.5	0	%100
124	M108C	Z	5.485	5.485	0	%100
125	M109B	X	9.5	9.5	0	%100
126	M109B	Z	5.485	5.485	0	%100
127	M110B	X	9.307	9.307	0	%100
128	M110B	Z	5.373	5.373	0	%100
129	M111A	X	10.153	10.153	0	%100
130	M111A	Z	5.862	5.862	0	%100
131	M112A	X	10.153	10.153	0	%100
132	M112A	Z	5.862	5.862	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	10.007	10.007	0	%100
2	M1	Z	17.332	17.332	0	%100
3	M2	X	10.007	10.007	0	%100
4	M2	Z	17.332	17.332	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	10.007	10.007	0	%100
10	M5	Z	17.332	17.332	0	%100
11	M6	X	10.007	10.007	0	%100
12	M6	Z	17.332	17.332	0	%100
13	M7	X	9.889	9.889	0	%100
14	M7	Z	17.129	17.129	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,%]
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	9.889	9.889	0	%100
18	M9	Z	17.129	17.129	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	.565	.565	0	%100
22	M14A	Z	.979	.979	0	%100
23	M18	X	.565	.565	0	%100
24	M18	Z	.979	.979	0	%100
25	M25	X	7.536	7.536	0	%100
26	M25	Z	13.054	13.054	0	%100
27	M26	X	7.536	7.536	0	%100
28	M26	Z	13.054	13.054	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	.565	.565	0	%100
34	M42	Z	.979	.979	0	%100
35	M50	X	.565	.565	0	%100
36	M50	Z	.979	.979	0	%100
37	M52	X	5.485	5.485	0	%100
38	M52	Z	9.5	9.5	0	%100
39	M53	X	5.485	5.485	0	%100
40	M53	Z	9.5	9.5	0	%100
41	M54	X	4.03	4.03	0	%100
42	M54	Z	6.98	6.98	0	%100
43	M55	X	5.485	5.485	0	%100
44	M55	Z	9.5	9.5	0	%100
45	M56	X	5.485	5.485	0	%100
46	M56	Z	9.5	9.5	0	%100
47	M57	X	5.063	5.063	0	%100
48	M57	Z	8.769	8.769	0	%100
49	M58	X	5.063	5.063	0	%100
50	M58	Z	8.769	8.769	0	%100
51	M61	X	0	0	0	%100
52	M61	Z	0	0	0	%100
53	M62	X	5.485	5.485	0	%100
54	M62	Z	9.5	9.5	0	%100
55	M63	X	5.485	5.485	0	%100
56	M63	Z	9.5	9.5	0	%100
57	M68	X	4.03	4.03	0	%100
58	M68	Z	6.98	6.98	0	%100
59	M69	X	5.485	5.485	0	%100
60	M69	Z	9.5	9.5	0	%100
61	M70	X	5.485	5.485	0	%100
62	M70	Z	9.5	9.5	0	%100
63	MP1A	X	4.773	4.773	0	%100
64	MP1A	Z	8.267	8.267	0	%100
65	MP3A	X	4.773	4.773	0	%100
66	MP3A	Z	8.267	8.267	0	%100
67	MP4A	X	4.773	4.773	0	%100
68	MP4A	Z	8.267	8.267	0	%100
69	MP5A	X	4.773	4.773	0	%100
70	MP5A	Z	8.267	8.267	0	%100
71	MP1C	X	4.773	4.773	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,%]
72	MP1C	Z	8.267	8.267	0	%100
73	MP3C	X	4.773	4.773	0	%100
74	MP3C	Z	8.267	8.267	0	%100
75	MP4C	X	4.773	4.773	0	%100
76	MP4C	Z	8.267	8.267	0	%100
77	MP5C	X	4.773	4.773	0	%100
78	MP5C	Z	8.267	8.267	0	%100
79	MP1B	X	4.773	4.773	0	%100
80	MP1B	Z	8.267	8.267	0	%100
81	MP3B	X	4.773	4.773	0	%100
82	MP3B	Z	8.267	8.267	0	%100
83	MP4B	X	4.773	4.773	0	%100
84	MP4B	Z	8.267	8.267	0	%100
85	MP5B	X	4.773	4.773	0	%100
86	MP5B	Z	8.267	8.267	0	%100
87	MP2A	X	4.773	4.773	0	%100
88	MP2A	Z	8.267	8.267	0	%100
89	MP2C	X	4.773	4.773	0	%100
90	MP2C	Z	8.267	8.267	0	%100
91	MP2B	X	4.773	4.773	0	%100
92	MP2B	Z	8.267	8.267	0	%100
93	M106	X	0	0	0	%100
94	M106	Z	0	0	0	%100
95	M107	X	5.192	5.192	0	%100
96	M107	Z	8.992	8.992	0	%100
97	M108	X	6.699	6.699	0	%100
98	M108	Z	11.603	11.603	0	%100
99	M109	X	6.699	6.699	0	%100
100	M109	Z	11.603	11.603	0	%100
101	M110	X	1.405	1.405	0	%100
102	M110	Z	2.433	2.433	0	%100
103	M111	X	1.405	1.405	0	%100
104	M111	Z	2.433	2.433	0	%100
105	M112	X	1.405	1.405	0	%100
106	M112	Z	2.433	2.433	0	%100
107	M113	X	1.405	1.405	0	%100
108	M113	Z	2.433	2.433	0	%100
109	M114	X	1.405	1.405	0	%100
110	M114	Z	2.433	2.433	0	%100
111	OVP	X	4.164	4.164	0	%100
112	OVP	Z	7.212	7.212	0	%100
113	M103A	X	5.485	5.485	0	%100
114	M103A	Z	9.5	9.5	0	%100
115	M104A	X	5.485	5.485	0	%100
116	M104A	Z	9.5	9.5	0	%100
117	M105	X	0	0	0	%100
118	M105	Z	0	0	0	%100
119	M106A	X	2.667	2.667	0	%100
120	M106A	Z	4.619	4.619	0	%100
121	M107A	X	2.667	2.667	0	%100
122	M107A	Z	4.619	4.619	0	%100
123	M108C	X	5.485	5.485	0	%100
124	M108C	Z	9.5	9.5	0	%100
125	M109B	X	5.485	5.485	0	%100
126	M109B	Z	9.5	9.5	0	%100
127	M110B	X	4.03	4.03	0	%100
128	M110B	Z	6.98	6.98	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,%]
129	M111A	X	5.063	5.063	0	%100
130	M111A	Z	8.769	8.769	0	%100
131	M112A	X	5.063	5.063	0	%100
132	M112A	Z	8.769	8.769	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	26.685	26.685	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	26.685	26.685	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	6.671	6.671	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	6.671	6.671	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	6.671	6.671	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	6.671	6.671	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	26.372	26.372	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	6.593	6.593	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	6.593	6.593	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	.377	.377	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	.377	.377	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	1.507	1.507	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	5.024	5.024	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	20.097	20.097	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	5.024	5.024	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	.377	.377	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	.377	.377	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	1.507	1.507	0	%100
37	M52	X	0	0	0	%100
38	M52	Z	10.97	10.97	0	%100
39	M53	X	0	0	0	%100
40	M53	Z	10.97	10.97	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	10.746	10.746	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	10.97	10.97	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	10.97	10.97	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	11.723	11.723	0	%100
49	M58	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,%]
50	M58	Z	11.723	11.723	0	%100
51	M61	X	0	0	0	%100
52	M61	Z	2.687	2.687	0	%100
53	M62	X	0	0	0	%100
54	M62	Z	10.97	10.97	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	10.97	10.97	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	2.687	2.687	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	10.97	10.97	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	10.97	10.97	0	%100
63	MP1A	X	0	0	0	%100
64	MP1A	Z	9.546	9.546	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	9.546	9.546	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	9.546	9.546	0	%100
69	MP5A	X	0	0	0	%100
70	MP5A	Z	9.546	9.546	0	%100
71	MP1C	X	0	0	0	%100
72	MP1C	Z	9.546	9.546	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	9.546	9.546	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	9.546	9.546	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	9.546	9.546	0	%100
79	MP1B	X	0	0	0	%100
80	MP1B	Z	9.546	9.546	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	9.546	9.546	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	9.546	9.546	0	%100
85	MP5B	X	0	0	0	%100
86	MP5B	Z	9.546	9.546	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	9.546	9.546	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	9.546	9.546	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	9.546	9.546	0	%100
93	M106	X	0	0	0	%100
94	M106	Z	5.848	5.848	0	%100
95	M107	X	0	0	0	%100
96	M107	Z	7.788	7.788	0	%100
97	M108	X	0	0	0	%100
98	M108	Z	13.398	13.398	0	%100
99	M109	X	0	0	0	%100
100	M109	Z	13.398	13.398	0	%100
101	M110	X	0	0	0	%100
102	M110	Z	2.107	2.107	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	2.107	2.107	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	2.107	2.107	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,%]
107	M113	X	0	0	0	%100
108	M113	Z	2.107	2.107	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	2.107	2.107	0	%100
111	OVP	X	0	0	0	%100
112	OVP	Z	8.327	8.327	0	%100
113	M103A	X	0	0	0	%100
114	M103A	Z	10.97	10.97	0	%100
115	M104A	X	0	0	0	%100
116	M104A	Z	10.97	10.97	0	%100
117	M105	X	0	0	0	%100
118	M105	Z	2.687	2.687	0	%100
119	M106A	X	0	0	0	%100
120	M106A	Z	6.931	6.931	0	%100
121	M107A	X	0	0	0	%100
122	M107A	Z	6.931	6.931	0	%100
123	M108C	X	0	0	0	%100
124	M108C	Z	10.97	10.97	0	%100
125	M109B	X	0	0	0	%100
126	M109B	Z	10.97	10.97	0	%100
127	M110B	X	0	0	0	%100
128	M110B	Z	2.687	2.687	0	%100
129	M111A	X	0	0	0	%100
130	M111A	Z	6.931	6.931	0	%100
131	M112A	X	0	0	0	%100
132	M112A	Z	6.931	6.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-10.007	-10.007	0	%100
2	M1	Z	17.332	17.332	0	%100
3	M2	X	-10.007	-10.007	0	%100
4	M2	Z	17.332	17.332	0	%100
5	M3	X	-10.007	-10.007	0	%100
6	M3	Z	17.332	17.332	0	%100
7	M4	X	-10.007	-10.007	0	%100
8	M4	Z	17.332	17.332	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-9.889	-9.889	0	%100
14	M7	Z	17.129	17.129	0	%100
15	M8	X	-9.889	-9.889	0	%100
16	M8	Z	17.129	17.129	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	-.565	-.565	0	%100
20	M13	Z	.979	.979	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	-.565	-.565	0	%100
24	M18	Z	.979	.979	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-7.536	-7.536	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,%]
28	M26	Z	13.054	13.054	0	%100
29	M27	X	-7.536	-7.536	0	%100
30	M27	Z	13.054	13.054	0	%100
31	M34	X	-.565	-.565	0	%100
32	M34	Z	.979	.979	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	-.565	-.565	0	%100
36	M50	Z	.979	.979	0	%100
37	M52	X	-5.485	-5.485	0	%100
38	M52	Z	9.5	9.5	0	%100
39	M53	X	-5.485	-5.485	0	%100
40	M53	Z	9.5	9.5	0	%100
41	M54	X	-4.03	-4.03	0	%100
42	M54	Z	6.98	6.98	0	%100
43	M55	X	-5.485	-5.485	0	%100
44	M55	Z	9.5	9.5	0	%100
45	M56	X	-5.485	-5.485	0	%100
46	M56	Z	9.5	9.5	0	%100
47	M57	X	-5.063	-5.063	0	%100
48	M57	Z	8.769	8.769	0	%100
49	M58	X	-5.063	-5.063	0	%100
50	M58	Z	8.769	8.769	0	%100
51	M61	X	-4.03	-4.03	0	%100
52	M61	Z	6.98	6.98	0	%100
53	M62	X	-5.485	-5.485	0	%100
54	M62	Z	9.5	9.5	0	%100
55	M63	X	-5.485	-5.485	0	%100
56	M63	Z	9.5	9.5	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	-5.485	-5.485	0	%100
60	M69	Z	9.5	9.5	0	%100
61	M70	X	-5.485	-5.485	0	%100
62	M70	Z	9.5	9.5	0	%100
63	MP1A	X	-4.773	-4.773	0	%100
64	MP1A	Z	8.267	8.267	0	%100
65	MP3A	X	-4.773	-4.773	0	%100
66	MP3A	Z	8.267	8.267	0	%100
67	MP4A	X	-4.773	-4.773	0	%100
68	MP4A	Z	8.267	8.267	0	%100
69	MP5A	X	-4.773	-4.773	0	%100
70	MP5A	Z	8.267	8.267	0	%100
71	MP1C	X	-4.773	-4.773	0	%100
72	MP1C	Z	8.267	8.267	0	%100
73	MP3C	X	-4.773	-4.773	0	%100
74	MP3C	Z	8.267	8.267	0	%100
75	MP4C	X	-4.773	-4.773	0	%100
76	MP4C	Z	8.267	8.267	0	%100
77	MP5C	X	-4.773	-4.773	0	%100
78	MP5C	Z	8.267	8.267	0	%100
79	MP1B	X	-4.773	-4.773	0	%100
80	MP1B	Z	8.267	8.267	0	%100
81	MP3B	X	-4.773	-4.773	0	%100
82	MP3B	Z	8.267	8.267	0	%100
83	MP4B	X	-4.773	-4.773	0	%100
84	MP4B	Z	8.267	8.267	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,%]
85	MP5B	X	-4.773	-4.773	0	%100
86	MP5B	Z	8.267	8.267	0	%100
87	MP2A	X	-4.773	-4.773	0	%100
88	MP2A	Z	8.267	8.267	0	%100
89	MP2C	X	-4.773	-4.773	0	%100
90	MP2C	Z	8.267	8.267	0	%100
91	MP2B	X	-4.773	-4.773	0	%100
92	MP2B	Z	8.267	8.267	0	%100
93	M106	X	-8.772	-8.772	0	%100
94	M106	Z	15.194	15.194	0	%100
95	M107	X	-1.298	-1.298	0	%100
96	M107	Z	2.248	2.248	0	%100
97	M108	X	-6.699	-6.699	0	%100
98	M108	Z	11.603	11.603	0	%100
99	M109	X	-6.699	-6.699	0	%100
100	M109	Z	11.603	11.603	0	%100
101	M110	X	-.351	-.351	0	%100
102	M110	Z	.608	.608	0	%100
103	M111	X	-.351	-.351	0	%100
104	M111	Z	.608	.608	0	%100
105	M112	X	-.351	-.351	0	%100
106	M112	Z	.608	.608	0	%100
107	M113	X	-.351	-.351	0	%100
108	M113	Z	.608	.608	0	%100
109	M114	X	-.351	-.351	0	%100
110	M114	Z	.608	.608	0	%100
111	OVP	X	-4.164	-4.164	0	%100
112	OVP	Z	7.212	7.212	0	%100
113	M103A	X	-5.485	-5.485	0	%100
114	M103A	Z	9.5	9.5	0	%100
115	M104A	X	-5.485	-5.485	0	%100
116	M104A	Z	9.5	9.5	0	%100
117	M105	X	-4.03	-4.03	0	%100
118	M105	Z	6.98	6.98	0	%100
119	M106A	X	-5.063	-5.063	0	%100
120	M106A	Z	8.769	8.769	0	%100
121	M107A	X	-5.063	-5.063	0	%100
122	M107A	Z	8.769	8.769	0	%100
123	M108C	X	-5.485	-5.485	0	%100
124	M108C	Z	9.5	9.5	0	%100
125	M109B	X	-5.485	-5.485	0	%100
126	M109B	Z	9.5	9.5	0	%100
127	M110B	X	0	0	0	%100
128	M110B	Z	0	0	0	%100
129	M111A	X	-2.667	-2.667	0	%100
130	M111A	Z	4.619	4.619	0	%100
131	M112A	X	-2.667	-2.667	0	%100
132	M112A	Z	4.619	4.619	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.777	-5.777	0	%100
2	M1	Z	3.336	3.336	0	%100
3	M2	X	-5.777	-5.777	0	%100
4	M2	Z	3.336	3.336	0	%100
5	M3	X	-23.11	-23.11	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,%]
6	M3	Z	13.342	13.342	0	%100
7	M4	X	-23.11	-23.11	0	%100
8	M4	Z	13.342	13.342	0	%100
9	M5	X	-5.777	-5.777	0	%100
10	M5	Z	3.336	3.336	0	%100
11	M6	X	-5.777	-5.777	0	%100
12	M6	Z	3.336	3.336	0	%100
13	M7	X	-5.71	-5.71	0	%100
14	M7	Z	3.296	3.296	0	%100
15	M8	X	-22.839	-22.839	0	%100
16	M8	Z	13.186	13.186	0	%100
17	M9	X	-5.71	-5.71	0	%100
18	M9	Z	3.296	3.296	0	%100
19	M13	X	-1.305	-1.305	0	%100
20	M13	Z	.754	.754	0	%100
21	M14A	X	-.326	-.326	0	%100
22	M14A	Z	.188	.188	0	%100
23	M18	X	-.326	-.326	0	%100
24	M18	Z	.188	.188	0	%100
25	M25	X	-4.351	-4.351	0	%100
26	M25	Z	2.512	2.512	0	%100
27	M26	X	-4.351	-4.351	0	%100
28	M26	Z	2.512	2.512	0	%100
29	M27	X	-17.405	-17.405	0	%100
30	M27	Z	10.049	10.049	0	%100
31	M34	X	-1.305	-1.305	0	%100
32	M34	Z	.754	.754	0	%100
33	M42	X	-.326	-.326	0	%100
34	M42	Z	.188	.188	0	%100
35	M50	X	-.326	-.326	0	%100
36	M50	Z	.188	.188	0	%100
37	M52	X	-9.5	-9.5	0	%100
38	M52	Z	5.485	5.485	0	%100
39	M53	X	-9.5	-9.5	0	%100
40	M53	Z	5.485	5.485	0	%100
41	M54	X	-2.327	-2.327	0	%100
42	M54	Z	1.343	1.343	0	%100
43	M55	X	-9.5	-9.5	0	%100
44	M55	Z	5.485	5.485	0	%100
45	M56	X	-9.5	-9.5	0	%100
46	M56	Z	5.485	5.485	0	%100
47	M57	X	-6.002	-6.002	0	%100
48	M57	Z	3.465	3.465	0	%100
49	M58	X	-6.002	-6.002	0	%100
50	M58	Z	3.465	3.465	0	%100
51	M61	X	-9.307	-9.307	0	%100
52	M61	Z	5.373	5.373	0	%100
53	M62	X	-9.5	-9.5	0	%100
54	M62	Z	5.485	5.485	0	%100
55	M63	X	-9.5	-9.5	0	%100
56	M63	Z	5.485	5.485	0	%100
57	M68	X	-2.327	-2.327	0	%100
58	M68	Z	1.343	1.343	0	%100
59	M69	X	-9.5	-9.5	0	%100
60	M69	Z	5.485	5.485	0	%100
61	M70	X	-9.5	-9.5	0	%100
62	M70	Z	5.485	5.485	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,%]
63	MP1A	X	-8.267	-8.267	0	%100
64	MP1A	Z	4.773	4.773	0	%100
65	MP3A	X	-8.267	-8.267	0	%100
66	MP3A	Z	4.773	4.773	0	%100
67	MP4A	X	-8.267	-8.267	0	%100
68	MP4A	Z	4.773	4.773	0	%100
69	MP5A	X	-8.267	-8.267	0	%100
70	MP5A	Z	4.773	4.773	0	%100
71	MP1C	X	-8.267	-8.267	0	%100
72	MP1C	Z	4.773	4.773	0	%100
73	MP3C	X	-8.267	-8.267	0	%100
74	MP3C	Z	4.773	4.773	0	%100
75	MP4C	X	-8.267	-8.267	0	%100
76	MP4C	Z	4.773	4.773	0	%100
77	MP5C	X	-8.267	-8.267	0	%100
78	MP5C	Z	4.773	4.773	0	%100
79	MP1B	X	-8.267	-8.267	0	%100
80	MP1B	Z	4.773	4.773	0	%100
81	MP3B	X	-8.267	-8.267	0	%100
82	MP3B	Z	4.773	4.773	0	%100
83	MP4B	X	-8.267	-8.267	0	%100
84	MP4B	Z	4.773	4.773	0	%100
85	MP5B	X	-8.267	-8.267	0	%100
86	MP5B	Z	4.773	4.773	0	%100
87	MP2A	X	-8.267	-8.267	0	%100
88	MP2A	Z	4.773	4.773	0	%100
89	MP2C	X	-8.267	-8.267	0	%100
90	MP2C	Z	4.773	4.773	0	%100
91	MP2B	X	-8.267	-8.267	0	%100
92	MP2B	Z	4.773	4.773	0	%100
93	M106	X	-20.259	-20.259	0	%100
94	M106	Z	11.697	11.697	0	%100
95	M107	X	0	0	0	%100
96	M107	Z	0	0	0	%100
97	M108	X	-11.603	-11.603	0	%100
98	M108	Z	6.699	6.699	0	%100
99	M109	X	-11.603	-11.603	0	%100
100	M109	Z	6.699	6.699	0	%100
101	M110	X	0	0	0	%100
102	M110	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	0	0	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	0	0	0	%100
111	OVP	X	-7.212	-7.212	0	%100
112	OVP	Z	4.164	4.164	0	%100
113	M103A	X	-9.5	-9.5	0	%100
114	M103A	Z	5.485	5.485	0	%100
115	M104A	X	-9.5	-9.5	0	%100
116	M104A	Z	5.485	5.485	0	%100
117	M105	X	-9.307	-9.307	0	%100
118	M105	Z	5.373	5.373	0	%100
119	M106A	X	-10.153	-10.153	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,%]
120	M106A	Z	5.862	5.862	0	%100
121	M107A	X	-10.153	-10.153	0	%100
122	M107A	Z	5.862	5.862	0	%100
123	M108C	X	-9.5	-9.5	0	%100
124	M108C	Z	5.485	5.485	0	%100
125	M109B	X	-9.5	-9.5	0	%100
126	M109B	Z	5.485	5.485	0	%100
127	M110B	X	-2.327	-2.327	0	%100
128	M110B	Z	1.343	1.343	0	%100
129	M111A	X	-6.002	-6.002	0	%100
130	M111A	Z	3.465	3.465	0	%100
131	M112A	X	-6.002	-6.002	0	%100
132	M112A	Z	3.465	3.465	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-20.013	-20.013	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-20.013	-20.013	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-20.013	-20.013	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-20.013	-20.013	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-19.779	-19.779	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-19.779	-19.779	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	-1.13	-1.13	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	-1.13	-1.13	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	-15.073	-15.073	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-15.073	-15.073	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	-1.13	-1.13	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	-1.13	-1.13	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	-10.97	-10.97	0	%100
38	M52	Z	0	0	0	%100
39	M53	X	-10.97	-10.97	0	%100
40	M53	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,%]
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	-10.97	-10.97	0	%100
44	M55	Z	0	0	0	%100
45	M56	X	-10.97	-10.97	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	-5.333	-5.333	0	%100
48	M57	Z	0	0	0	%100
49	M58	X	-5.333	-5.333	0	%100
50	M58	Z	0	0	0	%100
51	M61	X	-8.06	-8.06	0	%100
52	M61	Z	0	0	0	%100
53	M62	X	-10.97	-10.97	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	-10.97	-10.97	0	%100
56	M63	Z	0	0	0	%100
57	M68	X	-8.06	-8.06	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	-10.97	-10.97	0	%100
60	M69	Z	0	0	0	%100
61	M70	X	-10.97	-10.97	0	%100
62	M70	Z	0	0	0	%100
63	MP1A	X	-9.546	-9.546	0	%100
64	MP1A	Z	0	0	0	%100
65	MP3A	X	-9.546	-9.546	0	%100
66	MP3A	Z	0	0	0	%100
67	MP4A	X	-9.546	-9.546	0	%100
68	MP4A	Z	0	0	0	%100
69	MP5A	X	-9.546	-9.546	0	%100
70	MP5A	Z	0	0	0	%100
71	MP1C	X	-9.546	-9.546	0	%100
72	MP1C	Z	0	0	0	%100
73	MP3C	X	-9.546	-9.546	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	-9.546	-9.546	0	%100
76	MP4C	Z	0	0	0	%100
77	MP5C	X	-9.546	-9.546	0	%100
78	MP5C	Z	0	0	0	%100
79	MP1B	X	-9.546	-9.546	0	%100
80	MP1B	Z	0	0	0	%100
81	MP3B	X	-9.546	-9.546	0	%100
82	MP3B	Z	0	0	0	%100
83	MP4B	X	-9.546	-9.546	0	%100
84	MP4B	Z	0	0	0	%100
85	MP5B	X	-9.546	-9.546	0	%100
86	MP5B	Z	0	0	0	%100
87	MP2A	X	-9.546	-9.546	0	%100
88	MP2A	Z	0	0	0	%100
89	MP2C	X	-9.546	-9.546	0	%100
90	MP2C	Z	0	0	0	%100
91	MP2B	X	-9.546	-9.546	0	%100
92	MP2B	Z	0	0	0	%100
93	M106	X	-17.545	-17.545	0	%100
94	M106	Z	0	0	0	%100
95	M107	X	-2.596	-2.596	0	%100
96	M107	Z	0	0	0	%100
97	M108	X	-13.398	-13.398	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,%]
98	M108	Z	0	0	0	%100
99	M109	X	-13.398	-13.398	0	%100
100	M109	Z	0	0	0	%100
101	M110	X	-.702	-.702	0	%100
102	M110	Z	0	0	0	%100
103	M111	X	-.702	-.702	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	-.702	-.702	0	%100
106	M112	Z	0	0	0	%100
107	M113	X	-.702	-.702	0	%100
108	M113	Z	0	0	0	%100
109	M114	X	-.702	-.702	0	%100
110	M114	Z	0	0	0	%100
111	OVP	X	-8.327	-8.327	0	%100
112	OVP	Z	0	0	0	%100
113	M103A	X	-10.97	-10.97	0	%100
114	M103A	Z	0	0	0	%100
115	M104A	X	-10.97	-10.97	0	%100
116	M104A	Z	0	0	0	%100
117	M105	X	-8.06	-8.06	0	%100
118	M105	Z	0	0	0	%100
119	M106A	X	-10.126	-10.126	0	%100
120	M106A	Z	0	0	0	%100
121	M107A	X	-10.126	-10.126	0	%100
122	M107A	Z	0	0	0	%100
123	M108C	X	-10.97	-10.97	0	%100
124	M108C	Z	0	0	0	%100
125	M109B	X	-10.97	-10.97	0	%100
126	M109B	Z	0	0	0	%100
127	M110B	X	-8.06	-8.06	0	%100
128	M110B	Z	0	0	0	%100
129	M111A	X	-10.126	-10.126	0	%100
130	M111A	Z	0	0	0	%100
131	M112A	X	-10.126	-10.126	0	%100
132	M112A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.777	-5.777	0	%100
2	M1	Z	-3.336	-3.336	0	%100
3	M2	X	-5.777	-5.777	0	%100
4	M2	Z	-3.336	-3.336	0	%100
5	M3	X	-5.777	-5.777	0	%100
6	M3	Z	-3.336	-3.336	0	%100
7	M4	X	-5.777	-5.777	0	%100
8	M4	Z	-3.336	-3.336	0	%100
9	M5	X	-23.11	-23.11	0	%100
10	M5	Z	-13.342	-13.342	0	%100
11	M6	X	-23.11	-23.11	0	%100
12	M6	Z	-13.342	-13.342	0	%100
13	M7	X	-5.71	-5.71	0	%100
14	M7	Z	-3.296	-3.296	0	%100
15	M8	X	-5.71	-5.71	0	%100
16	M8	Z	-3.296	-3.296	0	%100
17	M9	X	-22.839	-22.839	0	%100
18	M9	Z	-13.186	-13.186	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,%]
19	M13	X	-.326	-.326	0	%100
20	M13	Z	-.188	-.188	0	%100
21	M14A	X	-1.305	-1.305	0	%100
22	M14A	Z	-.754	-.754	0	%100
23	M18	X	-.326	-.326	0	%100
24	M18	Z	-.188	-.188	0	%100
25	M25	X	-17.405	-17.405	0	%100
26	M25	Z	-10.049	-10.049	0	%100
27	M26	X	-4.351	-4.351	0	%100
28	M26	Z	-2.512	-2.512	0	%100
29	M27	X	-4.351	-4.351	0	%100
30	M27	Z	-2.512	-2.512	0	%100
31	M34	X	-.326	-.326	0	%100
32	M34	Z	-.188	-.188	0	%100
33	M42	X	-1.305	-1.305	0	%100
34	M42	Z	-.754	-.754	0	%100
35	M50	X	-.326	-.326	0	%100
36	M50	Z	-.188	-.188	0	%100
37	M52	X	-9.5	-9.5	0	%100
38	M52	Z	-5.485	-5.485	0	%100
39	M53	X	-9.5	-9.5	0	%100
40	M53	Z	-5.485	-5.485	0	%100
41	M54	X	-2.327	-2.327	0	%100
42	M54	Z	-1.343	-1.343	0	%100
43	M55	X	-9.5	-9.5	0	%100
44	M55	Z	-5.485	-5.485	0	%100
45	M56	X	-9.5	-9.5	0	%100
46	M56	Z	-5.485	-5.485	0	%100
47	M57	X	-6.002	-6.002	0	%100
48	M57	Z	-3.465	-3.465	0	%100
49	M58	X	-6.002	-6.002	0	%100
50	M58	Z	-3.465	-3.465	0	%100
51	M61	X	-2.327	-2.327	0	%100
52	M61	Z	-1.343	-1.343	0	%100
53	M62	X	-9.5	-9.5	0	%100
54	M62	Z	-5.485	-5.485	0	%100
55	M63	X	-9.5	-9.5	0	%100
56	M63	Z	-5.485	-5.485	0	%100
57	M68	X	-9.307	-9.307	0	%100
58	M68	Z	-5.373	-5.373	0	%100
59	M69	X	-9.5	-9.5	0	%100
60	M69	Z	-5.485	-5.485	0	%100
61	M70	X	-9.5	-9.5	0	%100
62	M70	Z	-5.485	-5.485	0	%100
63	MP1A	X	-8.267	-8.267	0	%100
64	MP1A	Z	-4.773	-4.773	0	%100
65	MP3A	X	-8.267	-8.267	0	%100
66	MP3A	Z	-4.773	-4.773	0	%100
67	MP4A	X	-8.267	-8.267	0	%100
68	MP4A	Z	-4.773	-4.773	0	%100
69	MP5A	X	-8.267	-8.267	0	%100
70	MP5A	Z	-4.773	-4.773	0	%100
71	MP1C	X	-8.267	-8.267	0	%100
72	MP1C	Z	-4.773	-4.773	0	%100
73	MP3C	X	-8.267	-8.267	0	%100
74	MP3C	Z	-4.773	-4.773	0	%100
75	MP4C	X	-8.267	-8.267	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,%]
76	MP4C	Z	-4.773	-4.773	0	%100
77	MP5C	X	-8.267	-8.267	0	%100
78	MP5C	Z	-4.773	-4.773	0	%100
79	MP1B	X	-8.267	-8.267	0	%100
80	MP1B	Z	-4.773	-4.773	0	%100
81	MP3B	X	-8.267	-8.267	0	%100
82	MP3B	Z	-4.773	-4.773	0	%100
83	MP4B	X	-8.267	-8.267	0	%100
84	MP4B	Z	-4.773	-4.773	0	%100
85	MP5B	X	-8.267	-8.267	0	%100
86	MP5B	Z	-4.773	-4.773	0	%100
87	MP2A	X	-8.267	-8.267	0	%100
88	MP2A	Z	-4.773	-4.773	0	%100
89	MP2C	X	-8.267	-8.267	0	%100
90	MP2C	Z	-4.773	-4.773	0	%100
91	MP2B	X	-8.267	-8.267	0	%100
92	MP2B	Z	-4.773	-4.773	0	%100
93	M106	X	-5.065	-5.065	0	%100
94	M106	Z	-2.924	-2.924	0	%100
95	M107	X	-6.744	-6.744	0	%100
96	M107	Z	-3.894	-3.894	0	%100
97	M108	X	-11.603	-11.603	0	%100
98	M108	Z	-6.699	-6.699	0	%100
99	M109	X	-11.603	-11.603	0	%100
100	M109	Z	-6.699	-6.699	0	%100
101	M110	X	-1.825	-1.825	0	%100
102	M110	Z	-1.054	-1.054	0	%100
103	M111	X	-1.825	-1.825	0	%100
104	M111	Z	-1.054	-1.054	0	%100
105	M112	X	-1.825	-1.825	0	%100
106	M112	Z	-1.054	-1.054	0	%100
107	M113	X	-1.825	-1.825	0	%100
108	M113	Z	-1.054	-1.054	0	%100
109	M114	X	-1.825	-1.825	0	%100
110	M114	Z	-1.054	-1.054	0	%100
111	OVP	X	-7.212	-7.212	0	%100
112	OVP	Z	-4.164	-4.164	0	%100
113	M103A	X	-9.5	-9.5	0	%100
114	M103A	Z	-5.485	-5.485	0	%100
115	M104A	X	-9.5	-9.5	0	%100
116	M104A	Z	-5.485	-5.485	0	%100
117	M105	X	-2.327	-2.327	0	%100
118	M105	Z	-1.343	-1.343	0	%100
119	M106A	X	-6.002	-6.002	0	%100
120	M106A	Z	-3.465	-3.465	0	%100
121	M107A	X	-6.002	-6.002	0	%100
122	M107A	Z	-3.465	-3.465	0	%100
123	M108C	X	-9.5	-9.5	0	%100
124	M108C	Z	-5.485	-5.485	0	%100
125	M109B	X	-9.5	-9.5	0	%100
126	M109B	Z	-5.485	-5.485	0	%100
127	M110B	X	-9.307	-9.307	0	%100
128	M110B	Z	-5.373	-5.373	0	%100
129	M111A	X	-10.153	-10.153	0	%100
130	M111A	Z	-5.862	-5.862	0	%100
131	M112A	X	-10.153	-10.153	0	%100
132	M112A	Z	-5.862	-5.862	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-10.007	-10.007	0	%100
2	M1	Z	-17.332	-17.332	0	%100
3	M2	X	-10.007	-10.007	0	%100
4	M2	Z	-17.332	-17.332	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-10.007	-10.007	0	%100
10	M5	Z	-17.332	-17.332	0	%100
11	M6	X	-10.007	-10.007	0	%100
12	M6	Z	-17.332	-17.332	0	%100
13	M7	X	-9.889	-9.889	0	%100
14	M7	Z	-17.129	-17.129	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-9.889	-9.889	0	%100
18	M9	Z	-17.129	-17.129	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	-.565	-.565	0	%100
22	M14A	Z	-.979	-.979	0	%100
23	M18	X	-.565	-.565	0	%100
24	M18	Z	-.979	-.979	0	%100
25	M25	X	-7.536	-7.536	0	%100
26	M25	Z	-13.054	-13.054	0	%100
27	M26	X	-7.536	-7.536	0	%100
28	M26	Z	-13.054	-13.054	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	-.565	-.565	0	%100
34	M42	Z	-.979	-.979	0	%100
35	M50	X	-.565	-.565	0	%100
36	M50	Z	-.979	-.979	0	%100
37	M52	X	-5.485	-5.485	0	%100
38	M52	Z	-9.5	-9.5	0	%100
39	M53	X	-5.485	-5.485	0	%100
40	M53	Z	-9.5	-9.5	0	%100
41	M54	X	-4.03	-4.03	0	%100
42	M54	Z	-6.98	-6.98	0	%100
43	M55	X	-5.485	-5.485	0	%100
44	M55	Z	-9.5	-9.5	0	%100
45	M56	X	-5.485	-5.485	0	%100
46	M56	Z	-9.5	-9.5	0	%100
47	M57	X	-5.063	-5.063	0	%100
48	M57	Z	-8.769	-8.769	0	%100
49	M58	X	-5.063	-5.063	0	%100
50	M58	Z	-8.769	-8.769	0	%100
51	M61	X	0	0	0	%100
52	M61	Z	0	0	0	%100
53	M62	X	-5.485	-5.485	0	%100
54	M62	Z	-9.5	-9.5	0	%100
55	M63	X	-5.485	-5.485	0	%100
56	M63	Z	-9.5	-9.5	0	%100
57	M68	X	-4.03	-4.03	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	M68	Z	-6.98	-6.98	0	%100
59	M69	X	-5.485	-5.485	0	%100
60	M69	Z	-9.5	-9.5	0	%100
61	M70	X	-5.485	-5.485	0	%100
62	M70	Z	-9.5	-9.5	0	%100
63	MP1A	X	-4.773	-4.773	0	%100
64	MP1A	Z	-8.267	-8.267	0	%100
65	MP3A	X	-4.773	-4.773	0	%100
66	MP3A	Z	-8.267	-8.267	0	%100
67	MP4A	X	-4.773	-4.773	0	%100
68	MP4A	Z	-8.267	-8.267	0	%100
69	MP5A	X	-4.773	-4.773	0	%100
70	MP5A	Z	-8.267	-8.267	0	%100
71	MP1C	X	-4.773	-4.773	0	%100
72	MP1C	Z	-8.267	-8.267	0	%100
73	MP3C	X	-4.773	-4.773	0	%100
74	MP3C	Z	-8.267	-8.267	0	%100
75	MP4C	X	-4.773	-4.773	0	%100
76	MP4C	Z	-8.267	-8.267	0	%100
77	MP5C	X	-4.773	-4.773	0	%100
78	MP5C	Z	-8.267	-8.267	0	%100
79	MP1B	X	-4.773	-4.773	0	%100
80	MP1B	Z	-8.267	-8.267	0	%100
81	MP3B	X	-4.773	-4.773	0	%100
82	MP3B	Z	-8.267	-8.267	0	%100
83	MP4B	X	-4.773	-4.773	0	%100
84	MP4B	Z	-8.267	-8.267	0	%100
85	MP5B	X	-4.773	-4.773	0	%100
86	MP5B	Z	-8.267	-8.267	0	%100
87	MP2A	X	-4.773	-4.773	0	%100
88	MP2A	Z	-8.267	-8.267	0	%100
89	MP2C	X	-4.773	-4.773	0	%100
90	MP2C	Z	-8.267	-8.267	0	%100
91	MP2B	X	-4.773	-4.773	0	%100
92	MP2B	Z	-8.267	-8.267	0	%100
93	M106	X	0	0	0	%100
94	M106	Z	0	0	0	%100
95	M107	X	-5.192	-5.192	0	%100
96	M107	Z	-8.992	-8.992	0	%100
97	M108	X	-6.699	-6.699	0	%100
98	M108	Z	-11.603	-11.603	0	%100
99	M109	X	-6.699	-6.699	0	%100
100	M109	Z	-11.603	-11.603	0	%100
101	M110	X	-1.405	-1.405	0	%100
102	M110	Z	-2.433	-2.433	0	%100
103	M111	X	-1.405	-1.405	0	%100
104	M111	Z	-2.433	-2.433	0	%100
105	M112	X	-1.405	-1.405	0	%100
106	M112	Z	-2.433	-2.433	0	%100
107	M113	X	-1.405	-1.405	0	%100
108	M113	Z	-2.433	-2.433	0	%100
109	M114	X	-1.405	-1.405	0	%100
110	M114	Z	-2.433	-2.433	0	%100
111	OVP	X	-4.164	-4.164	0	%100
112	OVP	Z	-7.212	-7.212	0	%100
113	M103A	X	-5.485	-5.485	0	%100
114	M103A	Z	-9.5	-9.5	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	M104A	X	-5.485	-5.485	0	%100
116	M104A	Z	-9.5	-9.5	0	%100
117	M105	X	0	0	0	%100
118	M105	Z	0	0	0	%100
119	M106A	X	-2.667	-2.667	0	%100
120	M106A	Z	-4.619	-4.619	0	%100
121	M107A	X	-2.667	-2.667	0	%100
122	M107A	Z	-4.619	-4.619	0	%100
123	M108C	X	-5.485	-5.485	0	%100
124	M108C	Z	-9.5	-9.5	0	%100
125	M109B	X	-5.485	-5.485	0	%100
126	M109B	Z	-9.5	-9.5	0	%100
127	M110B	X	-4.03	-4.03	0	%100
128	M110B	Z	-6.98	-6.98	0	%100
129	M111A	X	-5.063	-5.063	0	%100
130	M111A	Z	-8.769	-8.769	0	%100
131	M112A	X	-5.063	-5.063	0	%100
132	M112A	Z	-8.769	-8.769	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-6.987	-6.987	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-6.987	-6.987	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.747	-1.747	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-1.747	-1.747	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-1.747	-1.747	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-1.747	-1.747	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-6.893	-6.893	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-1.723	-1.723	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-1.723	-1.723	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	-.432	-.432	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	-.432	-.432	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-1.727	-1.727	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-1.526	-1.526	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-6.104	-6.104	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-1.526	-1.526	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	-.432	-.432	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	-.432	-.432	0	%100
35	M50	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,%]
36	M50	Z	-1.727	-1.727	0	%100
37	M52	X	0	0	0	%100
38	M52	Z	-3.805	-3.805	0	%100
39	M53	X	0	0	0	%100
40	M53	Z	-3.805	-3.805	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	-3.738	-3.738	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	-3.805	-3.805	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	-3.805	-3.805	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	-4.178	-4.178	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	-4.178	-4.178	0	%100
51	M61	X	0	0	0	%100
52	M61	Z	-.934	-.934	0	%100
53	M62	X	0	0	0	%100
54	M62	Z	-3.805	-3.805	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	-3.805	-3.805	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-.934	-.934	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	-3.805	-3.805	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	-3.805	-3.805	0	%100
63	MP1A	X	0	0	0	%100
64	MP1A	Z	-4.124	-4.124	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	-4.124	-4.124	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	-4.124	-4.124	0	%100
69	MP5A	X	0	0	0	%100
70	MP5A	Z	-4.124	-4.124	0	%100
71	MP1C	X	0	0	0	%100
72	MP1C	Z	-4.124	-4.124	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	-4.124	-4.124	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	-4.124	-4.124	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	-4.124	-4.124	0	%100
79	MP1B	X	0	0	0	%100
80	MP1B	Z	-4.124	-4.124	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	-4.124	-4.124	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	-4.124	-4.124	0	%100
85	MP5B	X	0	0	0	%100
86	MP5B	Z	-4.124	-4.124	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-4.017	-4.017	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-4.017	-4.017	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-4.017	-4.017	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,%]
93	M106	X	0	0	0	%100
94	M106	Z	-1.501	-1.501	0	%100
95	M107	X	0	0	0	%100
96	M107	Z	-2.634	-2.634	0	%100
97	M108	X	0	0	0	%100
98	M108	Z	-4.548	-4.548	0	%100
99	M109	X	0	0	0	%100
100	M109	Z	-4.548	-4.548	0	%100
101	M110	X	0	0	0	%100
102	M110	Z	-1.544	-1.544	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	-1.544	-1.544	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	-1.544	-1.544	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	-1.544	-1.544	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	-1.544	-1.544	0	%100
111	OVP	X	0	0	0	%100
112	OVP	Z	-3.41	-3.41	0	%100
113	M103A	X	0	0	0	%100
114	M103A	Z	-3.805	-3.805	0	%100
115	M104A	X	0	0	0	%100
116	M104A	Z	-3.805	-3.805	0	%100
117	M105	X	0	0	0	%100
118	M105	Z	-.934	-.934	0	%100
119	M106A	X	0	0	0	%100
120	M106A	Z	-2.47	-2.47	0	%100
121	M107A	X	0	0	0	%100
122	M107A	Z	-2.47	-2.47	0	%100
123	M108C	X	0	0	0	%100
124	M108C	Z	-3.805	-3.805	0	%100
125	M109B	X	0	0	0	%100
126	M109B	Z	-3.805	-3.805	0	%100
127	M110B	X	0	0	0	%100
128	M110B	Z	-.934	-.934	0	%100
129	M111A	X	0	0	0	%100
130	M111A	Z	-2.47	-2.47	0	%100
131	M112A	X	0	0	0	%100
132	M112A	Z	-2.47	-2.47	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.62	2.62	0	%100
2	M1	Z	-4.538	-4.538	0	%100
3	M2	X	2.62	2.62	0	%100
4	M2	Z	-4.538	-4.538	0	%100
5	M3	X	2.62	2.62	0	%100
6	M3	Z	-4.538	-4.538	0	%100
7	M4	X	2.62	2.62	0	%100
8	M4	Z	-4.538	-4.538	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	2.585	2.585	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,%]
14	M7	Z	-4.477	-4.477	0	%100
15	M8	X	2.585	2.585	0	%100
16	M8	Z	-4.477	-4.477	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	.648	.648	0	%100
20	M13	Z	-1.122	-1.122	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	.648	.648	0	%100
24	M18	Z	-1.122	-1.122	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	2.289	2.289	0	%100
28	M26	Z	-3.965	-3.965	0	%100
29	M27	X	2.289	2.289	0	%100
30	M27	Z	-3.965	-3.965	0	%100
31	M34	X	.648	.648	0	%100
32	M34	Z	-1.122	-1.122	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	.648	.648	0	%100
36	M50	Z	-1.122	-1.122	0	%100
37	M52	X	1.902	1.902	0	%100
38	M52	Z	-3.295	-3.295	0	%100
39	M53	X	1.902	1.902	0	%100
40	M53	Z	-3.295	-3.295	0	%100
41	M54	X	1.402	1.402	0	%100
42	M54	Z	-2.428	-2.428	0	%100
43	M55	X	1.902	1.902	0	%100
44	M55	Z	-3.295	-3.295	0	%100
45	M56	X	1.902	1.902	0	%100
46	M56	Z	-3.295	-3.295	0	%100
47	M57	X	1.805	1.805	0	%100
48	M57	Z	-3.126	-3.126	0	%100
49	M58	X	1.805	1.805	0	%100
50	M58	Z	-3.126	-3.126	0	%100
51	M61	X	1.402	1.402	0	%100
52	M61	Z	-2.428	-2.428	0	%100
53	M62	X	1.902	1.902	0	%100
54	M62	Z	-3.295	-3.295	0	%100
55	M63	X	1.902	1.902	0	%100
56	M63	Z	-3.295	-3.295	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	1.902	1.902	0	%100
60	M69	Z	-3.295	-3.295	0	%100
61	M70	X	1.902	1.902	0	%100
62	M70	Z	-3.295	-3.295	0	%100
63	MP1A	X	2.062	2.062	0	%100
64	MP1A	Z	-3.571	-3.571	0	%100
65	MP3A	X	2.062	2.062	0	%100
66	MP3A	Z	-3.571	-3.571	0	%100
67	MP4A	X	2.062	2.062	0	%100
68	MP4A	Z	-3.571	-3.571	0	%100
69	MP5A	X	2.062	2.062	0	%100
70	MP5A	Z	-3.571	-3.571	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,%]
71	MP1C	X	2.062	2.062	0	%100
72	MP1C	Z	-3.571	-3.571	0	%100
73	MP3C	X	2.062	2.062	0	%100
74	MP3C	Z	-3.571	-3.571	0	%100
75	MP4C	X	2.062	2.062	0	%100
76	MP4C	Z	-3.571	-3.571	0	%100
77	MP5C	X	2.062	2.062	0	%100
78	MP5C	Z	-3.571	-3.571	0	%100
79	MP1B	X	2.062	2.062	0	%100
80	MP1B	Z	-3.571	-3.571	0	%100
81	MP3B	X	2.062	2.062	0	%100
82	MP3B	Z	-3.571	-3.571	0	%100
83	MP4B	X	2.062	2.062	0	%100
84	MP4B	Z	-3.571	-3.571	0	%100
85	MP5B	X	2.062	2.062	0	%100
86	MP5B	Z	-3.571	-3.571	0	%100
87	MP2A	X	2.008	2.008	0	%100
88	MP2A	Z	-3.479	-3.479	0	%100
89	MP2C	X	2.008	2.008	0	%100
90	MP2C	Z	-3.479	-3.479	0	%100
91	MP2B	X	2.008	2.008	0	%100
92	MP2B	Z	-3.479	-3.479	0	%100
93	M106	X	2.251	2.251	0	%100
94	M106	Z	-3.899	-3.899	0	%100
95	M107	X	.439	.439	0	%100
96	M107	Z	-.76	-.76	0	%100
97	M108	X	2.274	2.274	0	%100
98	M108	Z	-3.939	-3.939	0	%100
99	M109	X	2.274	2.274	0	%100
100	M109	Z	-3.939	-3.939	0	%100
101	M110	X	.257	.257	0	%100
102	M110	Z	-.446	-.446	0	%100
103	M111	X	.257	.257	0	%100
104	M111	Z	-.446	-.446	0	%100
105	M112	X	.257	.257	0	%100
106	M112	Z	-.446	-.446	0	%100
107	M113	X	.257	.257	0	%100
108	M113	Z	-.446	-.446	0	%100
109	M114	X	.257	.257	0	%100
110	M114	Z	-.446	-.446	0	%100
111	OVP	X	1.705	1.705	0	%100
112	OVP	Z	-2.953	-2.953	0	%100
113	M103A	X	1.902	1.902	0	%100
114	M103A	Z	-3.295	-3.295	0	%100
115	M104A	X	1.902	1.902	0	%100
116	M104A	Z	-3.295	-3.295	0	%100
117	M105	X	1.402	1.402	0	%100
118	M105	Z	-2.428	-2.428	0	%100
119	M106A	X	1.805	1.805	0	%100
120	M106A	Z	-3.126	-3.126	0	%100
121	M107A	X	1.805	1.805	0	%100
122	M107A	Z	-3.126	-3.126	0	%100
123	M108C	X	1.902	1.902	0	%100
124	M108C	Z	-3.295	-3.295	0	%100
125	M109B	X	1.902	1.902	0	%100
126	M109B	Z	-3.295	-3.295	0	%100
127	M110B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
128	M110B	Z	0	0	0	%100
129	M111A	X	.95	.95	0	%100
130	M111A	Z	-1.646	-1.646	0	%100
131	M112A	X	.95	.95	0	%100
132	M112A	Z	-1.646	-1.646	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.513	1.513	0	%100
2	M1	Z	-.873	-.873	0	%100
3	M2	X	1.513	1.513	0	%100
4	M2	Z	-.873	-.873	0	%100
5	M3	X	6.051	6.051	0	%100
6	M3	Z	-3.493	-3.493	0	%100
7	M4	X	6.051	6.051	0	%100
8	M4	Z	-3.493	-3.493	0	%100
9	M5	X	1.513	1.513	0	%100
10	M5	Z	-.873	-.873	0	%100
11	M6	X	1.513	1.513	0	%100
12	M6	Z	-.873	-.873	0	%100
13	M7	X	1.492	1.492	0	%100
14	M7	Z	-.862	-.862	0	%100
15	M8	X	5.97	5.97	0	%100
16	M8	Z	-3.447	-3.447	0	%100
17	M9	X	1.492	1.492	0	%100
18	M9	Z	-.862	-.862	0	%100
19	M13	X	1.495	1.495	0	%100
20	M13	Z	-.863	-.863	0	%100
21	M14A	X	.374	.374	0	%100
22	M14A	Z	-.216	-.216	0	%100
23	M18	X	.374	.374	0	%100
24	M18	Z	-.216	-.216	0	%100
25	M25	X	1.322	1.322	0	%100
26	M25	Z	-.763	-.763	0	%100
27	M26	X	1.322	1.322	0	%100
28	M26	Z	-.763	-.763	0	%100
29	M27	X	5.287	5.287	0	%100
30	M27	Z	-3.052	-3.052	0	%100
31	M34	X	1.495	1.495	0	%100
32	M34	Z	-.863	-.863	0	%100
33	M42	X	.374	.374	0	%100
34	M42	Z	-.216	-.216	0	%100
35	M50	X	.374	.374	0	%100
36	M50	Z	-.216	-.216	0	%100
37	M52	X	3.295	3.295	0	%100
38	M52	Z	-1.902	-1.902	0	%100
39	M53	X	3.295	3.295	0	%100
40	M53	Z	-1.902	-1.902	0	%100
41	M54	X	.809	.809	0	%100
42	M54	Z	-.467	-.467	0	%100
43	M55	X	3.295	3.295	0	%100
44	M55	Z	-1.902	-1.902	0	%100
45	M56	X	3.295	3.295	0	%100
46	M56	Z	-1.902	-1.902	0	%100
47	M57	X	2.139	2.139	0	%100
48	M57	Z	-1.235	-1.235	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,%]
49	M58	X	2.139	2.139	0	%100
50	M58	Z	-1.235	-1.235	0	%100
51	M61	X	3.237	3.237	0	%100
52	M61	Z	-1.869	-1.869	0	%100
53	M62	X	3.295	3.295	0	%100
54	M62	Z	-1.902	-1.902	0	%100
55	M63	X	3.295	3.295	0	%100
56	M63	Z	-1.902	-1.902	0	%100
57	M68	X	.809	.809	0	%100
58	M68	Z	-.467	-.467	0	%100
59	M69	X	3.295	3.295	0	%100
60	M69	Z	-1.902	-1.902	0	%100
61	M70	X	3.295	3.295	0	%100
62	M70	Z	-1.902	-1.902	0	%100
63	MP1A	X	3.571	3.571	0	%100
64	MP1A	Z	-2.062	-2.062	0	%100
65	MP3A	X	3.571	3.571	0	%100
66	MP3A	Z	-2.062	-2.062	0	%100
67	MP4A	X	3.571	3.571	0	%100
68	MP4A	Z	-2.062	-2.062	0	%100
69	MP5A	X	3.571	3.571	0	%100
70	MP5A	Z	-2.062	-2.062	0	%100
71	MP1C	X	3.571	3.571	0	%100
72	MP1C	Z	-2.062	-2.062	0	%100
73	MP3C	X	3.571	3.571	0	%100
74	MP3C	Z	-2.062	-2.062	0	%100
75	MP4C	X	3.571	3.571	0	%100
76	MP4C	Z	-2.062	-2.062	0	%100
77	MP5C	X	3.571	3.571	0	%100
78	MP5C	Z	-2.062	-2.062	0	%100
79	MP1B	X	3.571	3.571	0	%100
80	MP1B	Z	-2.062	-2.062	0	%100
81	MP3B	X	3.571	3.571	0	%100
82	MP3B	Z	-2.062	-2.062	0	%100
83	MP4B	X	3.571	3.571	0	%100
84	MP4B	Z	-2.062	-2.062	0	%100
85	MP5B	X	3.571	3.571	0	%100
86	MP5B	Z	-2.062	-2.062	0	%100
87	MP2A	X	3.479	3.479	0	%100
88	MP2A	Z	-2.008	-2.008	0	%100
89	MP2C	X	3.479	3.479	0	%100
90	MP2C	Z	-2.008	-2.008	0	%100
91	MP2B	X	3.479	3.479	0	%100
92	MP2B	Z	-2.008	-2.008	0	%100
93	M106	X	5.199	5.199	0	%100
94	M106	Z	-3.002	-3.002	0	%100
95	M107	X	0	0	0	%100
96	M107	Z	0	0	0	%100
97	M108	X	3.939	3.939	0	%100
98	M108	Z	-2.274	-2.274	0	%100
99	M109	X	3.939	3.939	0	%100
100	M109	Z	-2.274	-2.274	0	%100
101	M110	X	0	0	0	%100
102	M110	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	0	0	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,%]
106	M112	Z	0	0	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	0	0	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	0	0	0	%100
111	OVP	X	2.953	2.953	0	%100
112	OVP	Z	-1.705	-1.705	0	%100
113	M103A	X	3.295	3.295	0	%100
114	M103A	Z	-1.902	-1.902	0	%100
115	M104A	X	3.295	3.295	0	%100
116	M104A	Z	-1.902	-1.902	0	%100
117	M105	X	3.237	3.237	0	%100
118	M105	Z	-1.869	-1.869	0	%100
119	M106A	X	3.619	3.619	0	%100
120	M106A	Z	-2.089	-2.089	0	%100
121	M107A	X	3.619	3.619	0	%100
122	M107A	Z	-2.089	-2.089	0	%100
123	M108C	X	3.295	3.295	0	%100
124	M108C	Z	-1.902	-1.902	0	%100
125	M109B	X	3.295	3.295	0	%100
126	M109B	Z	-1.902	-1.902	0	%100
127	M110B	X	.809	.809	0	%100
128	M110B	Z	-.467	-.467	0	%100
129	M111A	X	2.139	2.139	0	%100
130	M111A	Z	-1.235	-1.235	0	%100
131	M112A	X	2.139	2.139	0	%100
132	M112A	Z	-1.235	-1.235	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	5.24	5.24	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	5.24	5.24	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	5.24	5.24	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	5.24	5.24	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	5.17	5.17	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	5.17	5.17	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	1.295	1.295	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	1.295	1.295	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	4.578	4.578	0	%100
26	M25	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,%]
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	4.578	4.578	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	1.295	1.295	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	1.295	1.295	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	3.805	3.805	0	%100
38	M52	Z	0	0	0	%100
39	M53	X	3.805	3.805	0	%100
40	M53	Z	0	0	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	3.805	3.805	0	%100
44	M55	Z	0	0	0	%100
45	M56	X	3.805	3.805	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	1.901	1.901	0	%100
48	M57	Z	0	0	0	%100
49	M58	X	1.901	1.901	0	%100
50	M58	Z	0	0	0	%100
51	M61	X	2.803	2.803	0	%100
52	M61	Z	0	0	0	%100
53	M62	X	3.805	3.805	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	3.805	3.805	0	%100
56	M63	Z	0	0	0	%100
57	M68	X	2.803	2.803	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	3.805	3.805	0	%100
60	M69	Z	0	0	0	%100
61	M70	X	3.805	3.805	0	%100
62	M70	Z	0	0	0	%100
63	MP1A	X	4.124	4.124	0	%100
64	MP1A	Z	0	0	0	%100
65	MP3A	X	4.124	4.124	0	%100
66	MP3A	Z	0	0	0	%100
67	MP4A	X	4.124	4.124	0	%100
68	MP4A	Z	0	0	0	%100
69	MP5A	X	4.124	4.124	0	%100
70	MP5A	Z	0	0	0	%100
71	MP1C	X	4.124	4.124	0	%100
72	MP1C	Z	0	0	0	%100
73	MP3C	X	4.124	4.124	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	4.124	4.124	0	%100
76	MP4C	Z	0	0	0	%100
77	MP5C	X	4.124	4.124	0	%100
78	MP5C	Z	0	0	0	%100
79	MP1B	X	4.124	4.124	0	%100
80	MP1B	Z	0	0	0	%100
81	MP3B	X	4.124	4.124	0	%100
82	MP3B	Z	0	0	0	%100
83	MP4B	X	4.124	4.124	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,%]
84	MP4B	Z	0	0	0	%100
85	MP5B	X	4.124	4.124	0	%100
86	MP5B	Z	0	0	0	%100
87	MP2A	X	4.017	4.017	0	%100
88	MP2A	Z	0	0	0	%100
89	MP2C	X	4.017	4.017	0	%100
90	MP2C	Z	0	0	0	%100
91	MP2B	X	4.017	4.017	0	%100
92	MP2B	Z	0	0	0	%100
93	M106	X	4.503	4.503	0	%100
94	M106	Z	0	0	0	%100
95	M107	X	.878	.878	0	%100
96	M107	Z	0	0	0	%100
97	M108	X	4.548	4.548	0	%100
98	M108	Z	0	0	0	%100
99	M109	X	4.548	4.548	0	%100
100	M109	Z	0	0	0	%100
101	M110	X	.515	.515	0	%100
102	M110	Z	0	0	0	%100
103	M111	X	.515	.515	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	.515	.515	0	%100
106	M112	Z	0	0	0	%100
107	M113	X	.515	.515	0	%100
108	M113	Z	0	0	0	%100
109	M114	X	.515	.515	0	%100
110	M114	Z	0	0	0	%100
111	OVP	X	3.41	3.41	0	%100
112	OVP	Z	0	0	0	%100
113	M103A	X	3.805	3.805	0	%100
114	M103A	Z	0	0	0	%100
115	M104A	X	3.805	3.805	0	%100
116	M104A	Z	0	0	0	%100
117	M105	X	2.803	2.803	0	%100
118	M105	Z	0	0	0	%100
119	M106A	X	3.609	3.609	0	%100
120	M106A	Z	0	0	0	%100
121	M107A	X	3.609	3.609	0	%100
122	M107A	Z	0	0	0	%100
123	M108C	X	3.805	3.805	0	%100
124	M108C	Z	0	0	0	%100
125	M109B	X	3.805	3.805	0	%100
126	M109B	Z	0	0	0	%100
127	M110B	X	2.803	2.803	0	%100
128	M110B	Z	0	0	0	%100
129	M111A	X	3.609	3.609	0	%100
130	M111A	Z	0	0	0	%100
131	M112A	X	3.609	3.609	0	%100
132	M112A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.513	1.513	0	%100
2	M1	Z	.873	.873	0	%100
3	M2	X	1.513	1.513	0	%100
4	M2	Z	.873	.873	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,%]
5	M3	X	1.513	1.513	0	%100
6	M3	Z	.873	.873	0	%100
7	M4	X	1.513	1.513	0	%100
8	M4	Z	.873	.873	0	%100
9	M5	X	6.051	6.051	0	%100
10	M5	Z	3.493	3.493	0	%100
11	M6	X	6.051	6.051	0	%100
12	M6	Z	3.493	3.493	0	%100
13	M7	X	1.492	1.492	0	%100
14	M7	Z	.862	.862	0	%100
15	M8	X	1.492	1.492	0	%100
16	M8	Z	.862	.862	0	%100
17	M9	X	5.97	5.97	0	%100
18	M9	Z	3.447	3.447	0	%100
19	M13	X	.374	.374	0	%100
20	M13	Z	.216	.216	0	%100
21	M14A	X	1.495	1.495	0	%100
22	M14A	Z	.863	.863	0	%100
23	M18	X	.374	.374	0	%100
24	M18	Z	.216	.216	0	%100
25	M25	X	5.287	5.287	0	%100
26	M25	Z	3.052	3.052	0	%100
27	M26	X	1.322	1.322	0	%100
28	M26	Z	.763	.763	0	%100
29	M27	X	1.322	1.322	0	%100
30	M27	Z	.763	.763	0	%100
31	M34	X	.374	.374	0	%100
32	M34	Z	.216	.216	0	%100
33	M42	X	1.495	1.495	0	%100
34	M42	Z	.863	.863	0	%100
35	M50	X	.374	.374	0	%100
36	M50	Z	.216	.216	0	%100
37	M52	X	3.295	3.295	0	%100
38	M52	Z	1.902	1.902	0	%100
39	M53	X	3.295	3.295	0	%100
40	M53	Z	1.902	1.902	0	%100
41	M54	X	.809	.809	0	%100
42	M54	Z	.467	.467	0	%100
43	M55	X	3.295	3.295	0	%100
44	M55	Z	1.902	1.902	0	%100
45	M56	X	3.295	3.295	0	%100
46	M56	Z	1.902	1.902	0	%100
47	M57	X	2.139	2.139	0	%100
48	M57	Z	1.235	1.235	0	%100
49	M58	X	2.139	2.139	0	%100
50	M58	Z	1.235	1.235	0	%100
51	M61	X	.809	.809	0	%100
52	M61	Z	.467	.467	0	%100
53	M62	X	3.295	3.295	0	%100
54	M62	Z	1.902	1.902	0	%100
55	M63	X	3.295	3.295	0	%100
56	M63	Z	1.902	1.902	0	%100
57	M68	X	3.237	3.237	0	%100
58	M68	Z	1.869	1.869	0	%100
59	M69	X	3.295	3.295	0	%100
60	M69	Z	1.902	1.902	0	%100
61	M70	X	3.295	3.295	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,%]
62	M70	Z	1.902	1.902	0	%100
63	MP1A	X	3.571	3.571	0	%100
64	MP1A	Z	2.062	2.062	0	%100
65	MP3A	X	3.571	3.571	0	%100
66	MP3A	Z	2.062	2.062	0	%100
67	MP4A	X	3.571	3.571	0	%100
68	MP4A	Z	2.062	2.062	0	%100
69	MP5A	X	3.571	3.571	0	%100
70	MP5A	Z	2.062	2.062	0	%100
71	MP1C	X	3.571	3.571	0	%100
72	MP1C	Z	2.062	2.062	0	%100
73	MP3C	X	3.571	3.571	0	%100
74	MP3C	Z	2.062	2.062	0	%100
75	MP4C	X	3.571	3.571	0	%100
76	MP4C	Z	2.062	2.062	0	%100
77	MP5C	X	3.571	3.571	0	%100
78	MP5C	Z	2.062	2.062	0	%100
79	MP1B	X	3.571	3.571	0	%100
80	MP1B	Z	2.062	2.062	0	%100
81	MP3B	X	3.571	3.571	0	%100
82	MP3B	Z	2.062	2.062	0	%100
83	MP4B	X	3.571	3.571	0	%100
84	MP4B	Z	2.062	2.062	0	%100
85	MP5B	X	3.571	3.571	0	%100
86	MP5B	Z	2.062	2.062	0	%100
87	MP2A	X	3.479	3.479	0	%100
88	MP2A	Z	2.008	2.008	0	%100
89	MP2C	X	3.479	3.479	0	%100
90	MP2C	Z	2.008	2.008	0	%100
91	MP2B	X	3.479	3.479	0	%100
92	MP2B	Z	2.008	2.008	0	%100
93	M106	X	1.3	1.3	0	%100
94	M106	Z	.75	.75	0	%100
95	M107	X	2.281	2.281	0	%100
96	M107	Z	1.317	1.317	0	%100
97	M108	X	3.939	3.939	0	%100
98	M108	Z	2.274	2.274	0	%100
99	M109	X	3.939	3.939	0	%100
100	M109	Z	2.274	2.274	0	%100
101	M110	X	1.337	1.337	0	%100
102	M110	Z	.772	.772	0	%100
103	M111	X	1.337	1.337	0	%100
104	M111	Z	.772	.772	0	%100
105	M112	X	1.337	1.337	0	%100
106	M112	Z	.772	.772	0	%100
107	M113	X	1.337	1.337	0	%100
108	M113	Z	.772	.772	0	%100
109	M114	X	1.337	1.337	0	%100
110	M114	Z	.772	.772	0	%100
111	OVP	X	2.953	2.953	0	%100
112	OVP	Z	1.705	1.705	0	%100
113	M103A	X	3.295	3.295	0	%100
114	M103A	Z	1.902	1.902	0	%100
115	M104A	X	3.295	3.295	0	%100
116	M104A	Z	1.902	1.902	0	%100
117	M105	X	.809	.809	0	%100
118	M105	Z	.467	.467	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,%]
119	M106A	X	2.139	2.139	0	%100
120	M106A	Z	1.235	1.235	0	%100
121	M107A	X	2.139	2.139	0	%100
122	M107A	Z	1.235	1.235	0	%100
123	M108C	X	3.295	3.295	0	%100
124	M108C	Z	1.902	1.902	0	%100
125	M109B	X	3.295	3.295	0	%100
126	M109B	Z	1.902	1.902	0	%100
127	M110B	X	3.237	3.237	0	%100
128	M110B	Z	1.869	1.869	0	%100
129	M111A	X	3.619	3.619	0	%100
130	M111A	Z	2.089	2.089	0	%100
131	M112A	X	3.619	3.619	0	%100
132	M112A	Z	2.089	2.089	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.62	2.62	0	%100
2	M1	Z	4.538	4.538	0	%100
3	M2	X	2.62	2.62	0	%100
4	M2	Z	4.538	4.538	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	2.62	2.62	0	%100
10	M5	Z	4.538	4.538	0	%100
11	M6	X	2.62	2.62	0	%100
12	M6	Z	4.538	4.538	0	%100
13	M7	X	2.585	2.585	0	%100
14	M7	Z	4.477	4.477	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	2.585	2.585	0	%100
18	M9	Z	4.477	4.477	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	.648	.648	0	%100
22	M14A	Z	1.122	1.122	0	%100
23	M18	X	.648	.648	0	%100
24	M18	Z	1.122	1.122	0	%100
25	M25	X	2.289	2.289	0	%100
26	M25	Z	3.965	3.965	0	%100
27	M26	X	2.289	2.289	0	%100
28	M26	Z	3.965	3.965	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	.648	.648	0	%100
34	M42	Z	1.122	1.122	0	%100
35	M50	X	.648	.648	0	%100
36	M50	Z	1.122	1.122	0	%100
37	M52	X	1.902	1.902	0	%100
38	M52	Z	3.295	3.295	0	%100
39	M53	X	1.902	1.902	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,%]
40	M53	Z	3.295	3.295	0	%100
41	M54	X	1.402	1.402	0	%100
42	M54	Z	2.428	2.428	0	%100
43	M55	X	1.902	1.902	0	%100
44	M55	Z	3.295	3.295	0	%100
45	M56	X	1.902	1.902	0	%100
46	M56	Z	3.295	3.295	0	%100
47	M57	X	1.805	1.805	0	%100
48	M57	Z	3.126	3.126	0	%100
49	M58	X	1.805	1.805	0	%100
50	M58	Z	3.126	3.126	0	%100
51	M61	X	0	0	0	%100
52	M61	Z	0	0	0	%100
53	M62	X	1.902	1.902	0	%100
54	M62	Z	3.295	3.295	0	%100
55	M63	X	1.902	1.902	0	%100
56	M63	Z	3.295	3.295	0	%100
57	M68	X	1.402	1.402	0	%100
58	M68	Z	2.428	2.428	0	%100
59	M69	X	1.902	1.902	0	%100
60	M69	Z	3.295	3.295	0	%100
61	M70	X	1.902	1.902	0	%100
62	M70	Z	3.295	3.295	0	%100
63	MP1A	X	2.062	2.062	0	%100
64	MP1A	Z	3.571	3.571	0	%100
65	MP3A	X	2.062	2.062	0	%100
66	MP3A	Z	3.571	3.571	0	%100
67	MP4A	X	2.062	2.062	0	%100
68	MP4A	Z	3.571	3.571	0	%100
69	MP5A	X	2.062	2.062	0	%100
70	MP5A	Z	3.571	3.571	0	%100
71	MP1C	X	2.062	2.062	0	%100
72	MP1C	Z	3.571	3.571	0	%100
73	MP3C	X	2.062	2.062	0	%100
74	MP3C	Z	3.571	3.571	0	%100
75	MP4C	X	2.062	2.062	0	%100
76	MP4C	Z	3.571	3.571	0	%100
77	MP5C	X	2.062	2.062	0	%100
78	MP5C	Z	3.571	3.571	0	%100
79	MP1B	X	2.062	2.062	0	%100
80	MP1B	Z	3.571	3.571	0	%100
81	MP3B	X	2.062	2.062	0	%100
82	MP3B	Z	3.571	3.571	0	%100
83	MP4B	X	2.062	2.062	0	%100
84	MP4B	Z	3.571	3.571	0	%100
85	MP5B	X	2.062	2.062	0	%100
86	MP5B	Z	3.571	3.571	0	%100
87	MP2A	X	2.008	2.008	0	%100
88	MP2A	Z	3.479	3.479	0	%100
89	MP2C	X	2.008	2.008	0	%100
90	MP2C	Z	3.479	3.479	0	%100
91	MP2B	X	2.008	2.008	0	%100
92	MP2B	Z	3.479	3.479	0	%100
93	M106	X	0	0	0	%100
94	M106	Z	0	0	0	%100
95	M107	X	1.756	1.756	0	%100
96	M107	Z	3.042	3.042	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,%]
97	M108	X	2.274	2.274	0	%100
98	M108	Z	3.939	3.939	0	%100
99	M109	X	2.274	2.274	0	%100
100	M109	Z	3.939	3.939	0	%100
101	M110	X	1.029	1.029	0	%100
102	M110	Z	1.783	1.783	0	%100
103	M111	X	1.029	1.029	0	%100
104	M111	Z	1.783	1.783	0	%100
105	M112	X	1.029	1.029	0	%100
106	M112	Z	1.783	1.783	0	%100
107	M113	X	1.029	1.029	0	%100
108	M113	Z	1.783	1.783	0	%100
109	M114	X	1.029	1.029	0	%100
110	M114	Z	1.783	1.783	0	%100
111	OVP	X	1.705	1.705	0	%100
112	OVP	Z	2.953	2.953	0	%100
113	M103A	X	1.902	1.902	0	%100
114	M103A	Z	3.295	3.295	0	%100
115	M104A	X	1.902	1.902	0	%100
116	M104A	Z	3.295	3.295	0	%100
117	M105	X	0	0	0	%100
118	M105	Z	0	0	0	%100
119	M106A	X	.95	.95	0	%100
120	M106A	Z	1.646	1.646	0	%100
121	M107A	X	.95	.95	0	%100
122	M107A	Z	1.646	1.646	0	%100
123	M108C	X	1.902	1.902	0	%100
124	M108C	Z	3.295	3.295	0	%100
125	M109B	X	1.902	1.902	0	%100
126	M109B	Z	3.295	3.295	0	%100
127	M110B	X	1.402	1.402	0	%100
128	M110B	Z	2.428	2.428	0	%100
129	M111A	X	1.805	1.805	0	%100
130	M111A	Z	3.126	3.126	0	%100
131	M112A	X	1.805	1.805	0	%100
132	M112A	Z	3.126	3.126	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	6.987	6.987	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	6.987	6.987	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	1.747	1.747	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	1.747	1.747	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	1.747	1.747	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	1.747	1.747	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	6.893	6.893	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	1.723	1.723	0	%100
17	M9	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,%]
18	M9	Z	1.723	1.723	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	.432	.432	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	.432	.432	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	1.727	1.727	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	1.526	1.526	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	6.104	6.104	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	1.526	1.526	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	.432	.432	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	.432	.432	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	1.727	1.727	0	%100
37	M52	X	0	0	0	%100
38	M52	Z	3.805	3.805	0	%100
39	M53	X	0	0	0	%100
40	M53	Z	3.805	3.805	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	3.738	3.738	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	3.805	3.805	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	3.805	3.805	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	4.178	4.178	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	4.178	4.178	0	%100
51	M61	X	0	0	0	%100
52	M61	Z	.934	.934	0	%100
53	M62	X	0	0	0	%100
54	M62	Z	3.805	3.805	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	3.805	3.805	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	.934	.934	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	3.805	3.805	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	3.805	3.805	0	%100
63	MP1A	X	0	0	0	%100
64	MP1A	Z	4.124	4.124	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	4.124	4.124	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	4.124	4.124	0	%100
69	MP5A	X	0	0	0	%100
70	MP5A	Z	4.124	4.124	0	%100
71	MP1C	X	0	0	0	%100
72	MP1C	Z	4.124	4.124	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	4.124	4.124	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,%]
75	MP4C	X	0	0	0	%100
76	MP4C	Z	4.124	4.124	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	4.124	4.124	0	%100
79	MP1B	X	0	0	0	%100
80	MP1B	Z	4.124	4.124	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	4.124	4.124	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	4.124	4.124	0	%100
85	MP5B	X	0	0	0	%100
86	MP5B	Z	4.124	4.124	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	4.017	4.017	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	4.017	4.017	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	4.017	4.017	0	%100
93	M106	X	0	0	0	%100
94	M106	Z	1.501	1.501	0	%100
95	M107	X	0	0	0	%100
96	M107	Z	2.634	2.634	0	%100
97	M108	X	0	0	0	%100
98	M108	Z	4.548	4.548	0	%100
99	M109	X	0	0	0	%100
100	M109	Z	4.548	4.548	0	%100
101	M110	X	0	0	0	%100
102	M110	Z	1.544	1.544	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	1.544	1.544	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	1.544	1.544	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	1.544	1.544	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	1.544	1.544	0	%100
111	OVP	X	0	0	0	%100
112	OVP	Z	3.41	3.41	0	%100
113	M103A	X	0	0	0	%100
114	M103A	Z	3.805	3.805	0	%100
115	M104A	X	0	0	0	%100
116	M104A	Z	3.805	3.805	0	%100
117	M105	X	0	0	0	%100
118	M105	Z	.934	.934	0	%100
119	M106A	X	0	0	0	%100
120	M106A	Z	2.47	2.47	0	%100
121	M107A	X	0	0	0	%100
122	M107A	Z	2.47	2.47	0	%100
123	M108C	X	0	0	0	%100
124	M108C	Z	3.805	3.805	0	%100
125	M109B	X	0	0	0	%100
126	M109B	Z	3.805	3.805	0	%100
127	M110B	X	0	0	0	%100
128	M110B	Z	.934	.934	0	%100
129	M111A	X	0	0	0	%100
130	M111A	Z	2.47	2.47	0	%100
131	M112A	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,%]
132	M112A	Z	2.47	2.47	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.62	-2.62	0	%100
2	M1	Z	4.538	4.538	0	%100
3	M2	X	-2.62	-2.62	0	%100
4	M2	Z	4.538	4.538	0	%100
5	M3	X	-2.62	-2.62	0	%100
6	M3	Z	4.538	4.538	0	%100
7	M4	X	-2.62	-2.62	0	%100
8	M4	Z	4.538	4.538	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-2.585	-2.585	0	%100
14	M7	Z	4.477	4.477	0	%100
15	M8	X	-2.585	-2.585	0	%100
16	M8	Z	4.477	4.477	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	-.648	-.648	0	%100
20	M13	Z	1.122	1.122	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	-.648	-.648	0	%100
24	M18	Z	1.122	1.122	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-2.289	-2.289	0	%100
28	M26	Z	3.965	3.965	0	%100
29	M27	X	-2.289	-2.289	0	%100
30	M27	Z	3.965	3.965	0	%100
31	M34	X	-.648	-.648	0	%100
32	M34	Z	1.122	1.122	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	-.648	-.648	0	%100
36	M50	Z	1.122	1.122	0	%100
37	M52	X	-1.902	-1.902	0	%100
38	M52	Z	3.295	3.295	0	%100
39	M53	X	-1.902	-1.902	0	%100
40	M53	Z	3.295	3.295	0	%100
41	M54	X	-1.402	-1.402	0	%100
42	M54	Z	2.428	2.428	0	%100
43	M55	X	-1.902	-1.902	0	%100
44	M55	Z	3.295	3.295	0	%100
45	M56	X	-1.902	-1.902	0	%100
46	M56	Z	3.295	3.295	0	%100
47	M57	X	-1.805	-1.805	0	%100
48	M57	Z	3.126	3.126	0	%100
49	M58	X	-1.805	-1.805	0	%100
50	M58	Z	3.126	3.126	0	%100
51	M61	X	-1.402	-1.402	0	%100
52	M61	Z	2.428	2.428	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,%]
53	M62	X	-1.902	-1.902	0	%100
54	M62	Z	3.295	3.295	0	%100
55	M63	X	-1.902	-1.902	0	%100
56	M63	Z	3.295	3.295	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	-1.902	-1.902	0	%100
60	M69	Z	3.295	3.295	0	%100
61	M70	X	-1.902	-1.902	0	%100
62	M70	Z	3.295	3.295	0	%100
63	MP1A	X	-2.062	-2.062	0	%100
64	MP1A	Z	3.571	3.571	0	%100
65	MP3A	X	-2.062	-2.062	0	%100
66	MP3A	Z	3.571	3.571	0	%100
67	MP4A	X	-2.062	-2.062	0	%100
68	MP4A	Z	3.571	3.571	0	%100
69	MP5A	X	-2.062	-2.062	0	%100
70	MP5A	Z	3.571	3.571	0	%100
71	MP1C	X	-2.062	-2.062	0	%100
72	MP1C	Z	3.571	3.571	0	%100
73	MP3C	X	-2.062	-2.062	0	%100
74	MP3C	Z	3.571	3.571	0	%100
75	MP4C	X	-2.062	-2.062	0	%100
76	MP4C	Z	3.571	3.571	0	%100
77	MP5C	X	-2.062	-2.062	0	%100
78	MP5C	Z	3.571	3.571	0	%100
79	MP1B	X	-2.062	-2.062	0	%100
80	MP1B	Z	3.571	3.571	0	%100
81	MP3B	X	-2.062	-2.062	0	%100
82	MP3B	Z	3.571	3.571	0	%100
83	MP4B	X	-2.062	-2.062	0	%100
84	MP4B	Z	3.571	3.571	0	%100
85	MP5B	X	-2.062	-2.062	0	%100
86	MP5B	Z	3.571	3.571	0	%100
87	MP2A	X	-2.008	-2.008	0	%100
88	MP2A	Z	3.479	3.479	0	%100
89	MP2C	X	-2.008	-2.008	0	%100
90	MP2C	Z	3.479	3.479	0	%100
91	MP2B	X	-2.008	-2.008	0	%100
92	MP2B	Z	3.479	3.479	0	%100
93	M106	X	-2.251	-2.251	0	%100
94	M106	Z	3.899	3.899	0	%100
95	M107	X	-.439	-.439	0	%100
96	M107	Z	.76	.76	0	%100
97	M108	X	-2.274	-2.274	0	%100
98	M108	Z	3.939	3.939	0	%100
99	M109	X	-2.274	-2.274	0	%100
100	M109	Z	3.939	3.939	0	%100
101	M110	X	-.257	-.257	0	%100
102	M110	Z	.446	.446	0	%100
103	M111	X	-.257	-.257	0	%100
104	M111	Z	.446	.446	0	%100
105	M112	X	-.257	-.257	0	%100
106	M112	Z	.446	.446	0	%100
107	M113	X	-.257	-.257	0	%100
108	M113	Z	.446	.446	0	%100
109	M114	X	-.257	-.257	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,%]
110	M114	Z	.446	.446	0	%100
111	OVP	X	-1.705	-1.705	0	%100
112	OVP	Z	2.953	2.953	0	%100
113	M103A	X	-1.902	-1.902	0	%100
114	M103A	Z	3.295	3.295	0	%100
115	M104A	X	-1.902	-1.902	0	%100
116	M104A	Z	3.295	3.295	0	%100
117	M105	X	-1.402	-1.402	0	%100
118	M105	Z	2.428	2.428	0	%100
119	M106A	X	-1.805	-1.805	0	%100
120	M106A	Z	3.126	3.126	0	%100
121	M107A	X	-1.805	-1.805	0	%100
122	M107A	Z	3.126	3.126	0	%100
123	M108C	X	-1.902	-1.902	0	%100
124	M108C	Z	3.295	3.295	0	%100
125	M109B	X	-1.902	-1.902	0	%100
126	M109B	Z	3.295	3.295	0	%100
127	M110B	X	0	0	0	%100
128	M110B	Z	0	0	0	%100
129	M111A	X	-.95	-.95	0	%100
130	M111A	Z	1.646	1.646	0	%100
131	M112A	X	-.95	-.95	0	%100
132	M112A	Z	1.646	1.646	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.513	-1.513	0	%100
2	M1	Z	.873	.873	0	%100
3	M2	X	-1.513	-1.513	0	%100
4	M2	Z	.873	.873	0	%100
5	M3	X	-6.051	-6.051	0	%100
6	M3	Z	3.493	3.493	0	%100
7	M4	X	-6.051	-6.051	0	%100
8	M4	Z	3.493	3.493	0	%100
9	M5	X	-1.513	-1.513	0	%100
10	M5	Z	.873	.873	0	%100
11	M6	X	-1.513	-1.513	0	%100
12	M6	Z	.873	.873	0	%100
13	M7	X	-1.492	-1.492	0	%100
14	M7	Z	.862	.862	0	%100
15	M8	X	-5.97	-5.97	0	%100
16	M8	Z	3.447	3.447	0	%100
17	M9	X	-1.492	-1.492	0	%100
18	M9	Z	.862	.862	0	%100
19	M13	X	-1.495	-1.495	0	%100
20	M13	Z	.863	.863	0	%100
21	M14A	X	-.374	-.374	0	%100
22	M14A	Z	.216	.216	0	%100
23	M18	X	-.374	-.374	0	%100
24	M18	Z	.216	.216	0	%100
25	M25	X	-1.322	-1.322	0	%100
26	M25	Z	.763	.763	0	%100
27	M26	X	-1.322	-1.322	0	%100
28	M26	Z	.763	.763	0	%100
29	M27	X	-5.287	-5.287	0	%100
30	M27	Z	3.052	3.052	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,%]
31	M34	X	-1.495	-1.495	0	%100
32	M34	Z	.863	.863	0	%100
33	M42	X	-.374	-.374	0	%100
34	M42	Z	.216	.216	0	%100
35	M50	X	-.374	-.374	0	%100
36	M50	Z	.216	.216	0	%100
37	M52	X	-3.295	-3.295	0	%100
38	M52	Z	1.902	1.902	0	%100
39	M53	X	-3.295	-3.295	0	%100
40	M53	Z	1.902	1.902	0	%100
41	M54	X	-.809	-.809	0	%100
42	M54	Z	.467	.467	0	%100
43	M55	X	-3.295	-3.295	0	%100
44	M55	Z	1.902	1.902	0	%100
45	M56	X	-3.295	-3.295	0	%100
46	M56	Z	1.902	1.902	0	%100
47	M57	X	-2.139	-2.139	0	%100
48	M57	Z	1.235	1.235	0	%100
49	M58	X	-2.139	-2.139	0	%100
50	M58	Z	1.235	1.235	0	%100
51	M61	X	-3.237	-3.237	0	%100
52	M61	Z	1.869	1.869	0	%100
53	M62	X	-3.295	-3.295	0	%100
54	M62	Z	1.902	1.902	0	%100
55	M63	X	-3.295	-3.295	0	%100
56	M63	Z	1.902	1.902	0	%100
57	M68	X	-.809	-.809	0	%100
58	M68	Z	.467	.467	0	%100
59	M69	X	-3.295	-3.295	0	%100
60	M69	Z	1.902	1.902	0	%100
61	M70	X	-3.295	-3.295	0	%100
62	M70	Z	1.902	1.902	0	%100
63	MP1A	X	-3.571	-3.571	0	%100
64	MP1A	Z	2.062	2.062	0	%100
65	MP3A	X	-3.571	-3.571	0	%100
66	MP3A	Z	2.062	2.062	0	%100
67	MP4A	X	-3.571	-3.571	0	%100
68	MP4A	Z	2.062	2.062	0	%100
69	MP5A	X	-3.571	-3.571	0	%100
70	MP5A	Z	2.062	2.062	0	%100
71	MP1C	X	-3.571	-3.571	0	%100
72	MP1C	Z	2.062	2.062	0	%100
73	MP3C	X	-3.571	-3.571	0	%100
74	MP3C	Z	2.062	2.062	0	%100
75	MP4C	X	-3.571	-3.571	0	%100
76	MP4C	Z	2.062	2.062	0	%100
77	MP5C	X	-3.571	-3.571	0	%100
78	MP5C	Z	2.062	2.062	0	%100
79	MP1B	X	-3.571	-3.571	0	%100
80	MP1B	Z	2.062	2.062	0	%100
81	MP3B	X	-3.571	-3.571	0	%100
82	MP3B	Z	2.062	2.062	0	%100
83	MP4B	X	-3.571	-3.571	0	%100
84	MP4B	Z	2.062	2.062	0	%100
85	MP5B	X	-3.571	-3.571	0	%100
86	MP5B	Z	2.062	2.062	0	%100
87	MP2A	X	-3.479	-3.479	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,%]
88	MP2A	Z	2.008	2.008	0	%100
89	MP2C	X	-3.479	-3.479	0	%100
90	MP2C	Z	2.008	2.008	0	%100
91	MP2B	X	-3.479	-3.479	0	%100
92	MP2B	Z	2.008	2.008	0	%100
93	M106	X	-5.199	-5.199	0	%100
94	M106	Z	3.002	3.002	0	%100
95	M107	X	0	0	0	%100
96	M107	Z	0	0	0	%100
97	M108	X	-3.939	-3.939	0	%100
98	M108	Z	2.274	2.274	0	%100
99	M109	X	-3.939	-3.939	0	%100
100	M109	Z	2.274	2.274	0	%100
101	M110	X	0	0	0	%100
102	M110	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	0	0	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	0	0	0	%100
111	OVP	X	-2.953	-2.953	0	%100
112	OVP	Z	1.705	1.705	0	%100
113	M103A	X	-3.295	-3.295	0	%100
114	M103A	Z	1.902	1.902	0	%100
115	M104A	X	-3.295	-3.295	0	%100
116	M104A	Z	1.902	1.902	0	%100
117	M105	X	-3.237	-3.237	0	%100
118	M105	Z	1.869	1.869	0	%100
119	M106A	X	-3.619	-3.619	0	%100
120	M106A	Z	2.089	2.089	0	%100
121	M107A	X	-3.619	-3.619	0	%100
122	M107A	Z	2.089	2.089	0	%100
123	M108C	X	-3.295	-3.295	0	%100
124	M108C	Z	1.902	1.902	0	%100
125	M109B	X	-3.295	-3.295	0	%100
126	M109B	Z	1.902	1.902	0	%100
127	M110B	X	-.809	-.809	0	%100
128	M110B	Z	.467	.467	0	%100
129	M111A	X	-2.139	-2.139	0	%100
130	M111A	Z	1.235	1.235	0	%100
131	M112A	X	-2.139	-2.139	0	%100
132	M112A	Z	1.235	1.235	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-5.24	-5.24	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-5.24	-5.24	0	%100
8	M4	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M5	X	-5.24	-5.24	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-5.24	-5.24	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-5.17	-5.17	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-5.17	-5.17	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	-1.295	-1.295	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	-1.295	-1.295	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	-4.578	-4.578	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-4.578	-4.578	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	-1.295	-1.295	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	-1.295	-1.295	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	-3.805	-3.805	0	%100
38	M52	Z	0	0	0	%100
39	M53	X	-3.805	-3.805	0	%100
40	M53	Z	0	0	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	-3.805	-3.805	0	%100
44	M55	Z	0	0	0	%100
45	M56	X	-3.805	-3.805	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	-1.901	-1.901	0	%100
48	M57	Z	0	0	0	%100
49	M58	X	-1.901	-1.901	0	%100
50	M58	Z	0	0	0	%100
51	M61	X	-2.803	-2.803	0	%100
52	M61	Z	0	0	0	%100
53	M62	X	-3.805	-3.805	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	-3.805	-3.805	0	%100
56	M63	Z	0	0	0	%100
57	M68	X	-2.803	-2.803	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	-3.805	-3.805	0	%100
60	M69	Z	0	0	0	%100
61	M70	X	-3.805	-3.805	0	%100
62	M70	Z	0	0	0	%100
63	MP1A	X	-4.124	-4.124	0	%100
64	MP1A	Z	0	0	0	%100
65	MP3A	X	-4.124	-4.124	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,%]
66	MP3A	Z	0	0	0	%100
67	MP4A	X	-4.124	-4.124	0	%100
68	MP4A	Z	0	0	0	%100
69	MP5A	X	-4.124	-4.124	0	%100
70	MP5A	Z	0	0	0	%100
71	MP1C	X	-4.124	-4.124	0	%100
72	MP1C	Z	0	0	0	%100
73	MP3C	X	-4.124	-4.124	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	-4.124	-4.124	0	%100
76	MP4C	Z	0	0	0	%100
77	MP5C	X	-4.124	-4.124	0	%100
78	MP5C	Z	0	0	0	%100
79	MP1B	X	-4.124	-4.124	0	%100
80	MP1B	Z	0	0	0	%100
81	MP3B	X	-4.124	-4.124	0	%100
82	MP3B	Z	0	0	0	%100
83	MP4B	X	-4.124	-4.124	0	%100
84	MP4B	Z	0	0	0	%100
85	MP5B	X	-4.124	-4.124	0	%100
86	MP5B	Z	0	0	0	%100
87	MP2A	X	-4.017	-4.017	0	%100
88	MP2A	Z	0	0	0	%100
89	MP2C	X	-4.017	-4.017	0	%100
90	MP2C	Z	0	0	0	%100
91	MP2B	X	-4.017	-4.017	0	%100
92	MP2B	Z	0	0	0	%100
93	M106	X	-4.503	-4.503	0	%100
94	M106	Z	0	0	0	%100
95	M107	X	-.878	-.878	0	%100
96	M107	Z	0	0	0	%100
97	M108	X	-4.548	-4.548	0	%100
98	M108	Z	0	0	0	%100
99	M109	X	-4.548	-4.548	0	%100
100	M109	Z	0	0	0	%100
101	M110	X	-.515	-.515	0	%100
102	M110	Z	0	0	0	%100
103	M111	X	-.515	-.515	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	-.515	-.515	0	%100
106	M112	Z	0	0	0	%100
107	M113	X	-.515	-.515	0	%100
108	M113	Z	0	0	0	%100
109	M114	X	-.515	-.515	0	%100
110	M114	Z	0	0	0	%100
111	OVP	X	-3.41	-3.41	0	%100
112	OVP	Z	0	0	0	%100
113	M103A	X	-3.805	-3.805	0	%100
114	M103A	Z	0	0	0	%100
115	M104A	X	-3.805	-3.805	0	%100
116	M104A	Z	0	0	0	%100
117	M105	X	-2.803	-2.803	0	%100
118	M105	Z	0	0	0	%100
119	M106A	X	-3.609	-3.609	0	%100
120	M106A	Z	0	0	0	%100
121	M107A	X	-3.609	-3.609	0	%100
122	M107A	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,%]
123	M108C	X	-3.805	-3.805	0	%100
124	M108C	Z	0	0	0	%100
125	M109B	X	-3.805	-3.805	0	%100
126	M109B	Z	0	0	0	%100
127	M110B	X	-2.803	-2.803	0	%100
128	M110B	Z	0	0	0	%100
129	M111A	X	-3.609	-3.609	0	%100
130	M111A	Z	0	0	0	%100
131	M112A	X	-3.609	-3.609	0	%100
132	M112A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.513	-1.513	0	%100
2	M1	Z	-.873	-.873	0	%100
3	M2	X	-1.513	-1.513	0	%100
4	M2	Z	-.873	-.873	0	%100
5	M3	X	-1.513	-1.513	0	%100
6	M3	Z	-.873	-.873	0	%100
7	M4	X	-1.513	-1.513	0	%100
8	M4	Z	-.873	-.873	0	%100
9	M5	X	-6.051	-6.051	0	%100
10	M5	Z	-3.493	-3.493	0	%100
11	M6	X	-6.051	-6.051	0	%100
12	M6	Z	-3.493	-3.493	0	%100
13	M7	X	-1.492	-1.492	0	%100
14	M7	Z	-.862	-.862	0	%100
15	M8	X	-1.492	-1.492	0	%100
16	M8	Z	-.862	-.862	0	%100
17	M9	X	-5.97	-5.97	0	%100
18	M9	Z	-3.447	-3.447	0	%100
19	M13	X	-.374	-.374	0	%100
20	M13	Z	-.216	-.216	0	%100
21	M14A	X	-1.495	-1.495	0	%100
22	M14A	Z	-.863	-.863	0	%100
23	M18	X	-.374	-.374	0	%100
24	M18	Z	-.216	-.216	0	%100
25	M25	X	-5.287	-5.287	0	%100
26	M25	Z	-3.052	-3.052	0	%100
27	M26	X	-1.322	-1.322	0	%100
28	M26	Z	-.763	-.763	0	%100
29	M27	X	-1.322	-1.322	0	%100
30	M27	Z	-.763	-.763	0	%100
31	M34	X	-.374	-.374	0	%100
32	M34	Z	-.216	-.216	0	%100
33	M42	X	-1.495	-1.495	0	%100
34	M42	Z	-.863	-.863	0	%100
35	M50	X	-.374	-.374	0	%100
36	M50	Z	-.216	-.216	0	%100
37	M52	X	-3.295	-3.295	0	%100
38	M52	Z	-1.902	-1.902	0	%100
39	M53	X	-3.295	-3.295	0	%100
40	M53	Z	-1.902	-1.902	0	%100
41	M54	X	-.809	-.809	0	%100
42	M54	Z	-.467	-.467	0	%100
43	M55	X	-3.295	-3.295	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,%]
44	M55	Z	-1.902	-1.902	0	%100
45	M56	X	-3.295	-3.295	0	%100
46	M56	Z	-1.902	-1.902	0	%100
47	M57	X	-2.139	-2.139	0	%100
48	M57	Z	-1.235	-1.235	0	%100
49	M58	X	-2.139	-2.139	0	%100
50	M58	Z	-1.235	-1.235	0	%100
51	M61	X	-.809	-.809	0	%100
52	M61	Z	-.467	-.467	0	%100
53	M62	X	-3.295	-3.295	0	%100
54	M62	Z	-1.902	-1.902	0	%100
55	M63	X	-3.295	-3.295	0	%100
56	M63	Z	-1.902	-1.902	0	%100
57	M68	X	-3.237	-3.237	0	%100
58	M68	Z	-1.869	-1.869	0	%100
59	M69	X	-3.295	-3.295	0	%100
60	M69	Z	-1.902	-1.902	0	%100
61	M70	X	-3.295	-3.295	0	%100
62	M70	Z	-1.902	-1.902	0	%100
63	MP1A	X	-3.571	-3.571	0	%100
64	MP1A	Z	-2.062	-2.062	0	%100
65	MP3A	X	-3.571	-3.571	0	%100
66	MP3A	Z	-2.062	-2.062	0	%100
67	MP4A	X	-3.571	-3.571	0	%100
68	MP4A	Z	-2.062	-2.062	0	%100
69	MP5A	X	-3.571	-3.571	0	%100
70	MP5A	Z	-2.062	-2.062	0	%100
71	MP1C	X	-3.571	-3.571	0	%100
72	MP1C	Z	-2.062	-2.062	0	%100
73	MP3C	X	-3.571	-3.571	0	%100
74	MP3C	Z	-2.062	-2.062	0	%100
75	MP4C	X	-3.571	-3.571	0	%100
76	MP4C	Z	-2.062	-2.062	0	%100
77	MP5C	X	-3.571	-3.571	0	%100
78	MP5C	Z	-2.062	-2.062	0	%100
79	MP1B	X	-3.571	-3.571	0	%100
80	MP1B	Z	-2.062	-2.062	0	%100
81	MP3B	X	-3.571	-3.571	0	%100
82	MP3B	Z	-2.062	-2.062	0	%100
83	MP4B	X	-3.571	-3.571	0	%100
84	MP4B	Z	-2.062	-2.062	0	%100
85	MP5B	X	-3.571	-3.571	0	%100
86	MP5B	Z	-2.062	-2.062	0	%100
87	MP2A	X	-3.479	-3.479	0	%100
88	MP2A	Z	-2.008	-2.008	0	%100
89	MP2C	X	-3.479	-3.479	0	%100
90	MP2C	Z	-2.008	-2.008	0	%100
91	MP2B	X	-3.479	-3.479	0	%100
92	MP2B	Z	-2.008	-2.008	0	%100
93	M106	X	-1.3	-1.3	0	%100
94	M106	Z	-.75	-.75	0	%100
95	M107	X	-2.281	-2.281	0	%100
96	M107	Z	-1.317	-1.317	0	%100
97	M108	X	-3.939	-3.939	0	%100
98	M108	Z	-2.274	-2.274	0	%100
99	M109	X	-3.939	-3.939	0	%100
100	M109	Z	-2.274	-2.274	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,%]
101	M110	X	-1.337	-1.337	0	%100
102	M110	Z	-.772	-.772	0	%100
103	M111	X	-1.337	-1.337	0	%100
104	M111	Z	-.772	-.772	0	%100
105	M112	X	-1.337	-1.337	0	%100
106	M112	Z	-.772	-.772	0	%100
107	M113	X	-1.337	-1.337	0	%100
108	M113	Z	-.772	-.772	0	%100
109	M114	X	-1.337	-1.337	0	%100
110	M114	Z	-.772	-.772	0	%100
111	OVP	X	-2.953	-2.953	0	%100
112	OVP	Z	-1.705	-1.705	0	%100
113	M103A	X	-3.295	-3.295	0	%100
114	M103A	Z	-1.902	-1.902	0	%100
115	M104A	X	-3.295	-3.295	0	%100
116	M104A	Z	-1.902	-1.902	0	%100
117	M105	X	-.809	-.809	0	%100
118	M105	Z	-.467	-.467	0	%100
119	M106A	X	-2.139	-2.139	0	%100
120	M106A	Z	-1.235	-1.235	0	%100
121	M107A	X	-2.139	-2.139	0	%100
122	M107A	Z	-1.235	-1.235	0	%100
123	M108C	X	-3.295	-3.295	0	%100
124	M108C	Z	-1.902	-1.902	0	%100
125	M109B	X	-3.295	-3.295	0	%100
126	M109B	Z	-1.902	-1.902	0	%100
127	M110B	X	-3.237	-3.237	0	%100
128	M110B	Z	-1.869	-1.869	0	%100
129	M111A	X	-3.619	-3.619	0	%100
130	M111A	Z	-2.089	-2.089	0	%100
131	M112A	X	-3.619	-3.619	0	%100
132	M112A	Z	-2.089	-2.089	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.62	-2.62	0	%100
2	M1	Z	-4.538	-4.538	0	%100
3	M2	X	-2.62	-2.62	0	%100
4	M2	Z	-4.538	-4.538	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-2.62	-2.62	0	%100
10	M5	Z	-4.538	-4.538	0	%100
11	M6	X	-2.62	-2.62	0	%100
12	M6	Z	-4.538	-4.538	0	%100
13	M7	X	-2.585	-2.585	0	%100
14	M7	Z	-4.477	-4.477	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-2.585	-2.585	0	%100
18	M9	Z	-4.477	-4.477	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	-.648	-.648	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,%]
22	M14A	Z	-1.122	-1.122	0	%100
23	M18	X	-.648	-.648	0	%100
24	M18	Z	-1.122	-1.122	0	%100
25	M25	X	-2.289	-2.289	0	%100
26	M25	Z	-3.965	-3.965	0	%100
27	M26	X	-2.289	-2.289	0	%100
28	M26	Z	-3.965	-3.965	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	-.648	-.648	0	%100
34	M42	Z	-1.122	-1.122	0	%100
35	M50	X	-.648	-.648	0	%100
36	M50	Z	-1.122	-1.122	0	%100
37	M52	X	-1.902	-1.902	0	%100
38	M52	Z	-3.295	-3.295	0	%100
39	M53	X	-1.902	-1.902	0	%100
40	M53	Z	-3.295	-3.295	0	%100
41	M54	X	-1.402	-1.402	0	%100
42	M54	Z	-2.428	-2.428	0	%100
43	M55	X	-1.902	-1.902	0	%100
44	M55	Z	-3.295	-3.295	0	%100
45	M56	X	-1.902	-1.902	0	%100
46	M56	Z	-3.295	-3.295	0	%100
47	M57	X	-1.805	-1.805	0	%100
48	M57	Z	-3.126	-3.126	0	%100
49	M58	X	-1.805	-1.805	0	%100
50	M58	Z	-3.126	-3.126	0	%100
51	M61	X	0	0	0	%100
52	M61	Z	0	0	0	%100
53	M62	X	-1.902	-1.902	0	%100
54	M62	Z	-3.295	-3.295	0	%100
55	M63	X	-1.902	-1.902	0	%100
56	M63	Z	-3.295	-3.295	0	%100
57	M68	X	-1.402	-1.402	0	%100
58	M68	Z	-2.428	-2.428	0	%100
59	M69	X	-1.902	-1.902	0	%100
60	M69	Z	-3.295	-3.295	0	%100
61	M70	X	-1.902	-1.902	0	%100
62	M70	Z	-3.295	-3.295	0	%100
63	MP1A	X	-2.062	-2.062	0	%100
64	MP1A	Z	-3.571	-3.571	0	%100
65	MP3A	X	-2.062	-2.062	0	%100
66	MP3A	Z	-3.571	-3.571	0	%100
67	MP4A	X	-2.062	-2.062	0	%100
68	MP4A	Z	-3.571	-3.571	0	%100
69	MP5A	X	-2.062	-2.062	0	%100
70	MP5A	Z	-3.571	-3.571	0	%100
71	MP1C	X	-2.062	-2.062	0	%100
72	MP1C	Z	-3.571	-3.571	0	%100
73	MP3C	X	-2.062	-2.062	0	%100
74	MP3C	Z	-3.571	-3.571	0	%100
75	MP4C	X	-2.062	-2.062	0	%100
76	MP4C	Z	-3.571	-3.571	0	%100
77	MP5C	X	-2.062	-2.062	0	%100
78	MP5C	Z	-3.571	-3.571	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,%]
79	MP1B	X	-2.062	-2.062	0	%100
80	MP1B	Z	-3.571	-3.571	0	%100
81	MP3B	X	-2.062	-2.062	0	%100
82	MP3B	Z	-3.571	-3.571	0	%100
83	MP4B	X	-2.062	-2.062	0	%100
84	MP4B	Z	-3.571	-3.571	0	%100
85	MP5B	X	-2.062	-2.062	0	%100
86	MP5B	Z	-3.571	-3.571	0	%100
87	MP2A	X	-2.008	-2.008	0	%100
88	MP2A	Z	-3.479	-3.479	0	%100
89	MP2C	X	-2.008	-2.008	0	%100
90	MP2C	Z	-3.479	-3.479	0	%100
91	MP2B	X	-2.008	-2.008	0	%100
92	MP2B	Z	-3.479	-3.479	0	%100
93	M106	X	0	0	0	%100
94	M106	Z	0	0	0	%100
95	M107	X	-1.756	-1.756	0	%100
96	M107	Z	-3.042	-3.042	0	%100
97	M108	X	-2.274	-2.274	0	%100
98	M108	Z	-3.939	-3.939	0	%100
99	M109	X	-2.274	-2.274	0	%100
100	M109	Z	-3.939	-3.939	0	%100
101	M110	X	-1.029	-1.029	0	%100
102	M110	Z	-1.783	-1.783	0	%100
103	M111	X	-1.029	-1.029	0	%100
104	M111	Z	-1.783	-1.783	0	%100
105	M112	X	-1.029	-1.029	0	%100
106	M112	Z	-1.783	-1.783	0	%100
107	M113	X	-1.029	-1.029	0	%100
108	M113	Z	-1.783	-1.783	0	%100
109	M114	X	-1.029	-1.029	0	%100
110	M114	Z	-1.783	-1.783	0	%100
111	OVP	X	-1.705	-1.705	0	%100
112	OVP	Z	-2.953	-2.953	0	%100
113	M103A	X	-1.902	-1.902	0	%100
114	M103A	Z	-3.295	-3.295	0	%100
115	M104A	X	-1.902	-1.902	0	%100
116	M104A	Z	-3.295	-3.295	0	%100
117	M105	X	0	0	0	%100
118	M105	Z	0	0	0	%100
119	M106A	X	-.95	-.95	0	%100
120	M106A	Z	-1.646	-1.646	0	%100
121	M107A	X	-.95	-.95	0	%100
122	M107A	Z	-1.646	-1.646	0	%100
123	M108C	X	-1.902	-1.902	0	%100
124	M108C	Z	-3.295	-3.295	0	%100
125	M109B	X	-1.902	-1.902	0	%100
126	M109B	Z	-3.295	-3.295	0	%100
127	M110B	X	-1.402	-1.402	0	%100
128	M110B	Z	-2.428	-2.428	0	%100
129	M111A	X	-1.805	-1.805	0	%100
130	M111A	Z	-3.126	-3.126	0	%100
131	M112A	X	-1.805	-1.805	0	%100
132	M112A	Z	-3.126	-3.126	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,%]

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,%]
1	M1	X	0	0	0	%100
2	M1	Z	-1.725	-1.725	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-1.725	-1.725	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.431	-.431	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.431	-.431	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-.431	-.431	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-.431	-.431	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-1.705	-1.705	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-.426	-.426	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-.426	-.426	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	-.024	-.024	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	-.024	-.024	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-.097	-.097	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-.325	-.325	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-1.299	-1.299	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.325	-.325	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	-.024	-.024	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	-.024	-.024	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	-.097	-.097	0	%100
37	M52	X	0	0	0	%100
38	M52	Z	-.709	-.709	0	%100
39	M53	X	0	0	0	%100
40	M53	Z	-.709	-.709	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	-.695	-.695	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	-.709	-.709	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	-.709	-.709	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	-.758	-.758	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	-.758	-.758	0	%100
51	M61	X	0	0	0	%100
52	M61	Z	-.174	-.174	0	%100
53	M62	X	0	0	0	%100
54	M62	Z	-.709	-.709	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	-.709	-.709	0	%100
57	M68	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M68	Z	-.174	-.174	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	-.709	-.709	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	-.709	-.709	0	%100
63	MP1A	X	0	0	0	%100
64	MP1A	Z	-.617	-.617	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	-.617	-.617	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	-.617	-.617	0	%100
69	MP5A	X	0	0	0	%100
70	MP5A	Z	-.617	-.617	0	%100
71	MP1C	X	0	0	0	%100
72	MP1C	Z	-.617	-.617	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	-.617	-.617	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	-.617	-.617	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	-.617	-.617	0	%100
79	MP1B	X	0	0	0	%100
80	MP1B	Z	-.617	-.617	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	-.617	-.617	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	-.617	-.617	0	%100
85	MP5B	X	0	0	0	%100
86	MP5B	Z	-.617	-.617	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-.617	-.617	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-.617	-.617	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-.617	-.617	0	%100
93	M106	X	0	0	0	%100
94	M106	Z	-.378	-.378	0	%100
95	M107	X	0	0	0	%100
96	M107	Z	-.503	-.503	0	%100
97	M108	X	0	0	0	%100
98	M108	Z	-.866	-.866	0	%100
99	M109	X	0	0	0	%100
100	M109	Z	-.866	-.866	0	%100
101	M110	X	0	0	0	%100
102	M110	Z	-.136	-.136	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	-.136	-.136	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	-.136	-.136	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	-.136	-.136	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	-.136	-.136	0	%100
111	OVP	X	0	0	0	%100
112	OVP	Z	-.538	-.538	0	%100
113	M103A	X	0	0	0	%100
114	M103A	Z	-.709	-.709	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,%]
115	M104A	X	0	0	0	%100
116	M104A	Z	-.709	-.709	0	%100
117	M105	X	0	0	0	%100
118	M105	Z	-.174	-.174	0	%100
119	M106A	X	0	0	0	%100
120	M106A	Z	-.448	-.448	0	%100
121	M107A	X	0	0	0	%100
122	M107A	Z	-.448	-.448	0	%100
123	M108C	X	0	0	0	%100
124	M108C	Z	-.709	-.709	0	%100
125	M109B	X	0	0	0	%100
126	M109B	Z	-.709	-.709	0	%100
127	M110B	X	0	0	0	%100
128	M110B	Z	-.174	-.174	0	%100
129	M111A	X	0	0	0	%100
130	M111A	Z	-.448	-.448	0	%100
131	M112A	X	0	0	0	%100
132	M112A	Z	-.448	-.448	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.647	.647	0	%100
2	M1	Z	-1.12	-1.12	0	%100
3	M2	X	.647	.647	0	%100
4	M2	Z	-1.12	-1.12	0	%100
5	M3	X	.647	.647	0	%100
6	M3	Z	-1.12	-1.12	0	%100
7	M4	X	.647	.647	0	%100
8	M4	Z	-1.12	-1.12	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	.639	.639	0	%100
14	M7	Z	-1.107	-1.107	0	%100
15	M8	X	.639	.639	0	%100
16	M8	Z	-1.107	-1.107	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	.037	.037	0	%100
20	M13	Z	-.063	-.063	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	.037	.037	0	%100
24	M18	Z	-.063	-.063	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	.487	.487	0	%100
28	M26	Z	-.844	-.844	0	%100
29	M27	X	.487	.487	0	%100
30	M27	Z	-.844	-.844	0	%100
31	M34	X	.037	.037	0	%100
32	M34	Z	-.063	-.063	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	.037	.037	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,%]
36	M50	Z	-.063	-.063	0	%100
37	M52	X	.355	.355	0	%100
38	M52	Z	-.614	-.614	0	%100
39	M53	X	.355	.355	0	%100
40	M53	Z	-.614	-.614	0	%100
41	M54	X	.26	.26	0	%100
42	M54	Z	-.451	-.451	0	%100
43	M55	X	.355	.355	0	%100
44	M55	Z	-.614	-.614	0	%100
45	M56	X	.355	.355	0	%100
46	M56	Z	-.614	-.614	0	%100
47	M57	X	.327	.327	0	%100
48	M57	Z	-.567	-.567	0	%100
49	M58	X	.327	.327	0	%100
50	M58	Z	-.567	-.567	0	%100
51	M61	X	.26	.26	0	%100
52	M61	Z	-.451	-.451	0	%100
53	M62	X	.355	.355	0	%100
54	M62	Z	-.614	-.614	0	%100
55	M63	X	.355	.355	0	%100
56	M63	Z	-.614	-.614	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	.355	.355	0	%100
60	M69	Z	-.614	-.614	0	%100
61	M70	X	.355	.355	0	%100
62	M70	Z	-.614	-.614	0	%100
63	MP1A	X	.309	.309	0	%100
64	MP1A	Z	-.534	-.534	0	%100
65	MP3A	X	.309	.309	0	%100
66	MP3A	Z	-.534	-.534	0	%100
67	MP4A	X	.309	.309	0	%100
68	MP4A	Z	-.534	-.534	0	%100
69	MP5A	X	.309	.309	0	%100
70	MP5A	Z	-.534	-.534	0	%100
71	MP1C	X	.309	.309	0	%100
72	MP1C	Z	-.534	-.534	0	%100
73	MP3C	X	.309	.309	0	%100
74	MP3C	Z	-.534	-.534	0	%100
75	MP4C	X	.309	.309	0	%100
76	MP4C	Z	-.534	-.534	0	%100
77	MP5C	X	.309	.309	0	%100
78	MP5C	Z	-.534	-.534	0	%100
79	MP1B	X	.309	.309	0	%100
80	MP1B	Z	-.534	-.534	0	%100
81	MP3B	X	.309	.309	0	%100
82	MP3B	Z	-.534	-.534	0	%100
83	MP4B	X	.309	.309	0	%100
84	MP4B	Z	-.534	-.534	0	%100
85	MP5B	X	.309	.309	0	%100
86	MP5B	Z	-.534	-.534	0	%100
87	MP2A	X	.309	.309	0	%100
88	MP2A	Z	-.534	-.534	0	%100
89	MP2C	X	.309	.309	0	%100
90	MP2C	Z	-.534	-.534	0	%100
91	MP2B	X	.309	.309	0	%100
92	MP2B	Z	-.534	-.534	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,%]
93	M106	X	.567	.567	0	%100
94	M106	Z	-.982	-.982	0	%100
95	M107	X	.084	.084	0	%100
96	M107	Z	-.145	-.145	0	%100
97	M108	X	.433	.433	0	%100
98	M108	Z	-.75	-.75	0	%100
99	M109	X	.433	.433	0	%100
100	M109	Z	-.75	-.75	0	%100
101	M110	X	.023	.023	0	%100
102	M110	Z	-.039	-.039	0	%100
103	M111	X	.023	.023	0	%100
104	M111	Z	-.039	-.039	0	%100
105	M112	X	.023	.023	0	%100
106	M112	Z	-.039	-.039	0	%100
107	M113	X	.023	.023	0	%100
108	M113	Z	-.039	-.039	0	%100
109	M114	X	.023	.023	0	%100
110	M114	Z	-.039	-.039	0	%100
111	OVP	X	.269	.269	0	%100
112	OVP	Z	-.466	-.466	0	%100
113	M103A	X	.355	.355	0	%100
114	M103A	Z	-.614	-.614	0	%100
115	M104A	X	.355	.355	0	%100
116	M104A	Z	-.614	-.614	0	%100
117	M105	X	.26	.26	0	%100
118	M105	Z	-.451	-.451	0	%100
119	M106A	X	.327	.327	0	%100
120	M106A	Z	-.567	-.567	0	%100
121	M107A	X	.327	.327	0	%100
122	M107A	Z	-.567	-.567	0	%100
123	M108C	X	.355	.355	0	%100
124	M108C	Z	-.614	-.614	0	%100
125	M109B	X	.355	.355	0	%100
126	M109B	Z	-.614	-.614	0	%100
127	M110B	X	0	0	0	%100
128	M110B	Z	0	0	0	%100
129	M111A	X	.172	.172	0	%100
130	M111A	Z	-.299	-.299	0	%100
131	M112A	X	.172	.172	0	%100
132	M112A	Z	-.299	-.299	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.373	.373	0	%100
2	M1	Z	-.216	-.216	0	%100
3	M2	X	.373	.373	0	%100
4	M2	Z	-.216	-.216	0	%100
5	M3	X	1.494	1.494	0	%100
6	M3	Z	-.862	-.862	0	%100
7	M4	X	1.494	1.494	0	%100
8	M4	Z	-.862	-.862	0	%100
9	M5	X	.373	.373	0	%100
10	M5	Z	-.216	-.216	0	%100
11	M6	X	.373	.373	0	%100
12	M6	Z	-.216	-.216	0	%100
13	M7	X	.369	.369	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,%]
14	M7	Z	-.213	-.213	0	%100
15	M8	X	1.476	1.476	0	%100
16	M8	Z	-.852	-.852	0	%100
17	M9	X	.369	.369	0	%100
18	M9	Z	-.213	-.213	0	%100
19	M13	X	.084	.084	0	%100
20	M13	Z	-.049	-.049	0	%100
21	M14A	X	.021	.021	0	%100
22	M14A	Z	-.012	-.012	0	%100
23	M18	X	.021	.021	0	%100
24	M18	Z	-.012	-.012	0	%100
25	M25	X	.281	.281	0	%100
26	M25	Z	-.162	-.162	0	%100
27	M26	X	.281	.281	0	%100
28	M26	Z	-.162	-.162	0	%100
29	M27	X	1.125	1.125	0	%100
30	M27	Z	-.65	-.65	0	%100
31	M34	X	.084	.084	0	%100
32	M34	Z	-.049	-.049	0	%100
33	M42	X	.021	.021	0	%100
34	M42	Z	-.012	-.012	0	%100
35	M50	X	.021	.021	0	%100
36	M50	Z	-.012	-.012	0	%100
37	M52	X	.614	.614	0	%100
38	M52	Z	-.355	-.355	0	%100
39	M53	X	.614	.614	0	%100
40	M53	Z	-.355	-.355	0	%100
41	M54	X	.15	.15	0	%100
42	M54	Z	-.087	-.087	0	%100
43	M55	X	.614	.614	0	%100
44	M55	Z	-.355	-.355	0	%100
45	M56	X	.614	.614	0	%100
46	M56	Z	-.355	-.355	0	%100
47	M57	X	.388	.388	0	%100
48	M57	Z	-.224	-.224	0	%100
49	M58	X	.388	.388	0	%100
50	M58	Z	-.224	-.224	0	%100
51	M61	X	.602	.602	0	%100
52	M61	Z	-.347	-.347	0	%100
53	M62	X	.614	.614	0	%100
54	M62	Z	-.355	-.355	0	%100
55	M63	X	.614	.614	0	%100
56	M63	Z	-.355	-.355	0	%100
57	M68	X	.15	.15	0	%100
58	M68	Z	-.087	-.087	0	%100
59	M69	X	.614	.614	0	%100
60	M69	Z	-.355	-.355	0	%100
61	M70	X	.614	.614	0	%100
62	M70	Z	-.355	-.355	0	%100
63	MP1A	X	.534	.534	0	%100
64	MP1A	Z	-.309	-.309	0	%100
65	MP3A	X	.534	.534	0	%100
66	MP3A	Z	-.309	-.309	0	%100
67	MP4A	X	.534	.534	0	%100
68	MP4A	Z	-.309	-.309	0	%100
69	MP5A	X	.534	.534	0	%100
70	MP5A	Z	-.309	-.309	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,%]
71	MP1C	X	.534	.534	0	%100
72	MP1C	Z	-.309	-.309	0	%100
73	MP3C	X	.534	.534	0	%100
74	MP3C	Z	-.309	-.309	0	%100
75	MP4C	X	.534	.534	0	%100
76	MP4C	Z	-.309	-.309	0	%100
77	MP5C	X	.534	.534	0	%100
78	MP5C	Z	-.309	-.309	0	%100
79	MP1B	X	.534	.534	0	%100
80	MP1B	Z	-.309	-.309	0	%100
81	MP3B	X	.534	.534	0	%100
82	MP3B	Z	-.309	-.309	0	%100
83	MP4B	X	.534	.534	0	%100
84	MP4B	Z	-.309	-.309	0	%100
85	MP5B	X	.534	.534	0	%100
86	MP5B	Z	-.309	-.309	0	%100
87	MP2A	X	.534	.534	0	%100
88	MP2A	Z	-.309	-.309	0	%100
89	MP2C	X	.534	.534	0	%100
90	MP2C	Z	-.309	-.309	0	%100
91	MP2B	X	.534	.534	0	%100
92	MP2B	Z	-.309	-.309	0	%100
93	M106	X	1.309	1.309	0	%100
94	M106	Z	-.756	-.756	0	%100
95	M107	X	0	0	0	%100
96	M107	Z	0	0	0	%100
97	M108	X	.75	.75	0	%100
98	M108	Z	-.433	-.433	0	%100
99	M109	X	.75	.75	0	%100
100	M109	Z	-.433	-.433	0	%100
101	M110	X	0	0	0	%100
102	M110	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	0	0	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	0	0	0	%100
111	OVP	X	.466	.466	0	%100
112	OVP	Z	-.269	-.269	0	%100
113	M103A	X	.614	.614	0	%100
114	M103A	Z	-.355	-.355	0	%100
115	M104A	X	.614	.614	0	%100
116	M104A	Z	-.355	-.355	0	%100
117	M105	X	.602	.602	0	%100
118	M105	Z	-.347	-.347	0	%100
119	M106A	X	.656	.656	0	%100
120	M106A	Z	-.379	-.379	0	%100
121	M107A	X	.656	.656	0	%100
122	M107A	Z	-.379	-.379	0	%100
123	M108C	X	.614	.614	0	%100
124	M108C	Z	-.355	-.355	0	%100
125	M109B	X	.614	.614	0	%100
126	M109B	Z	-.355	-.355	0	%100
127	M110B	X	.15	.15	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,%]
128	M110B	Z	-.087	-.087	0	%100
129	M111A	X	.388	.388	0	%100
130	M111A	Z	-.224	-.224	0	%100
131	M112A	X	.388	.388	0	%100
132	M112A	Z	-.224	-.224	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	1.294	1.294	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.294	1.294	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	1.294	1.294	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	1.294	1.294	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	1.278	1.278	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	1.278	1.278	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	.073	.073	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	.073	.073	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	.974	.974	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	.974	.974	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	.073	.073	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	.073	.073	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	.709	.709	0	%100
38	M52	Z	0	0	0	%100
39	M53	X	.709	.709	0	%100
40	M53	Z	0	0	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	.709	.709	0	%100
44	M55	Z	0	0	0	%100
45	M56	X	.709	.709	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	.345	.345	0	%100
48	M57	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,%]
49	M58	X	.345	.345	0	%100
50	M58	Z	0	0	0	%100
51	M61	X	.521	.521	0	%100
52	M61	Z	0	0	0	%100
53	M62	X	.709	.709	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	.709	.709	0	%100
56	M63	Z	0	0	0	%100
57	M68	X	.521	.521	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	.709	.709	0	%100
60	M69	Z	0	0	0	%100
61	M70	X	.709	.709	0	%100
62	M70	Z	0	0	0	%100
63	MP1A	X	.617	.617	0	%100
64	MP1A	Z	0	0	0	%100
65	MP3A	X	.617	.617	0	%100
66	MP3A	Z	0	0	0	%100
67	MP4A	X	.617	.617	0	%100
68	MP4A	Z	0	0	0	%100
69	MP5A	X	.617	.617	0	%100
70	MP5A	Z	0	0	0	%100
71	MP1C	X	.617	.617	0	%100
72	MP1C	Z	0	0	0	%100
73	MP3C	X	.617	.617	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	.617	.617	0	%100
76	MP4C	Z	0	0	0	%100
77	MP5C	X	.617	.617	0	%100
78	MP5C	Z	0	0	0	%100
79	MP1B	X	.617	.617	0	%100
80	MP1B	Z	0	0	0	%100
81	MP3B	X	.617	.617	0	%100
82	MP3B	Z	0	0	0	%100
83	MP4B	X	.617	.617	0	%100
84	MP4B	Z	0	0	0	%100
85	MP5B	X	.617	.617	0	%100
86	MP5B	Z	0	0	0	%100
87	MP2A	X	.617	.617	0	%100
88	MP2A	Z	0	0	0	%100
89	MP2C	X	.617	.617	0	%100
90	MP2C	Z	0	0	0	%100
91	MP2B	X	.617	.617	0	%100
92	MP2B	Z	0	0	0	%100
93	M106	X	1.134	1.134	0	%100
94	M106	Z	0	0	0	%100
95	M107	X	.168	.168	0	%100
96	M107	Z	0	0	0	%100
97	M108	X	.866	.866	0	%100
98	M108	Z	0	0	0	%100
99	M109	X	.866	.866	0	%100
100	M109	Z	0	0	0	%100
101	M110	X	.045	.045	0	%100
102	M110	Z	0	0	0	%100
103	M111	X	.045	.045	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	.045	.045	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,%]
106	M112	Z	0	0	0	%100
107	M113	X	.045	.045	0	%100
108	M113	Z	0	0	0	%100
109	M114	X	.045	.045	0	%100
110	M114	Z	0	0	0	%100
111	OVP	X	.538	.538	0	%100
112	OVP	Z	0	0	0	%100
113	M103A	X	.709	.709	0	%100
114	M103A	Z	0	0	0	%100
115	M104A	X	.709	.709	0	%100
116	M104A	Z	0	0	0	%100
117	M105	X	.521	.521	0	%100
118	M105	Z	0	0	0	%100
119	M106A	X	.655	.655	0	%100
120	M106A	Z	0	0	0	%100
121	M107A	X	.655	.655	0	%100
122	M107A	Z	0	0	0	%100
123	M108C	X	.709	.709	0	%100
124	M108C	Z	0	0	0	%100
125	M109B	X	.709	.709	0	%100
126	M109B	Z	0	0	0	%100
127	M110B	X	.521	.521	0	%100
128	M110B	Z	0	0	0	%100
129	M111A	X	.655	.655	0	%100
130	M111A	Z	0	0	0	%100
131	M112A	X	.655	.655	0	%100
132	M112A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.373	.373	0	%100
2	M1	Z	.216	.216	0	%100
3	M2	X	.373	.373	0	%100
4	M2	Z	.216	.216	0	%100
5	M3	X	.373	.373	0	%100
6	M3	Z	.216	.216	0	%100
7	M4	X	.373	.373	0	%100
8	M4	Z	.216	.216	0	%100
9	M5	X	1.494	1.494	0	%100
10	M5	Z	.862	.862	0	%100
11	M6	X	1.494	1.494	0	%100
12	M6	Z	.862	.862	0	%100
13	M7	X	.369	.369	0	%100
14	M7	Z	.213	.213	0	%100
15	M8	X	.369	.369	0	%100
16	M8	Z	.213	.213	0	%100
17	M9	X	1.476	1.476	0	%100
18	M9	Z	.852	.852	0	%100
19	M13	X	.021	.021	0	%100
20	M13	Z	.012	.012	0	%100
21	M14A	X	.084	.084	0	%100
22	M14A	Z	.049	.049	0	%100
23	M18	X	.021	.021	0	%100
24	M18	Z	.012	.012	0	%100
25	M25	X	1.125	1.125	0	%100
26	M25	Z	.65	.65	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,%]
27	M26	X	.281	.281	0	%100
28	M26	Z	.162	.162	0	%100
29	M27	X	.281	.281	0	%100
30	M27	Z	.162	.162	0	%100
31	M34	X	.021	.021	0	%100
32	M34	Z	.012	.012	0	%100
33	M42	X	.084	.084	0	%100
34	M42	Z	.049	.049	0	%100
35	M50	X	.021	.021	0	%100
36	M50	Z	.012	.012	0	%100
37	M52	X	.614	.614	0	%100
38	M52	Z	.355	.355	0	%100
39	M53	X	.614	.614	0	%100
40	M53	Z	.355	.355	0	%100
41	M54	X	.15	.15	0	%100
42	M54	Z	.087	.087	0	%100
43	M55	X	.614	.614	0	%100
44	M55	Z	.355	.355	0	%100
45	M56	X	.614	.614	0	%100
46	M56	Z	.355	.355	0	%100
47	M57	X	.388	.388	0	%100
48	M57	Z	.224	.224	0	%100
49	M58	X	.388	.388	0	%100
50	M58	Z	.224	.224	0	%100
51	M61	X	.15	.15	0	%100
52	M61	Z	.087	.087	0	%100
53	M62	X	.614	.614	0	%100
54	M62	Z	.355	.355	0	%100
55	M63	X	.614	.614	0	%100
56	M63	Z	.355	.355	0	%100
57	M68	X	.602	.602	0	%100
58	M68	Z	.347	.347	0	%100
59	M69	X	.614	.614	0	%100
60	M69	Z	.355	.355	0	%100
61	M70	X	.614	.614	0	%100
62	M70	Z	.355	.355	0	%100
63	MP1A	X	.534	.534	0	%100
64	MP1A	Z	.309	.309	0	%100
65	MP3A	X	.534	.534	0	%100
66	MP3A	Z	.309	.309	0	%100
67	MP4A	X	.534	.534	0	%100
68	MP4A	Z	.309	.309	0	%100
69	MP5A	X	.534	.534	0	%100
70	MP5A	Z	.309	.309	0	%100
71	MP1C	X	.534	.534	0	%100
72	MP1C	Z	.309	.309	0	%100
73	MP3C	X	.534	.534	0	%100
74	MP3C	Z	.309	.309	0	%100
75	MP4C	X	.534	.534	0	%100
76	MP4C	Z	.309	.309	0	%100
77	MP5C	X	.534	.534	0	%100
78	MP5C	Z	.309	.309	0	%100
79	MP1B	X	.534	.534	0	%100
80	MP1B	Z	.309	.309	0	%100
81	MP3B	X	.534	.534	0	%100
82	MP3B	Z	.309	.309	0	%100
83	MP4B	X	.534	.534	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
84	MP4B	Z	.309	.309	0	%100
85	MP5B	X	.534	.534	0	%100
86	MP5B	Z	.309	.309	0	%100
87	MP2A	X	.534	.534	0	%100
88	MP2A	Z	.309	.309	0	%100
89	MP2C	X	.534	.534	0	%100
90	MP2C	Z	.309	.309	0	%100
91	MP2B	X	.534	.534	0	%100
92	MP2B	Z	.309	.309	0	%100
93	M106	X	.327	.327	0	%100
94	M106	Z	.189	.189	0	%100
95	M107	X	.436	.436	0	%100
96	M107	Z	.252	.252	0	%100
97	M108	X	.75	.75	0	%100
98	M108	Z	.433	.433	0	%100
99	M109	X	.75	.75	0	%100
100	M109	Z	.433	.433	0	%100
101	M110	X	.118	.118	0	%100
102	M110	Z	.068	.068	0	%100
103	M111	X	.118	.118	0	%100
104	M111	Z	.068	.068	0	%100
105	M112	X	.118	.118	0	%100
106	M112	Z	.068	.068	0	%100
107	M113	X	.118	.118	0	%100
108	M113	Z	.068	.068	0	%100
109	M114	X	.118	.118	0	%100
110	M114	Z	.068	.068	0	%100
111	OVP	X	.466	.466	0	%100
112	OVP	Z	.269	.269	0	%100
113	M103A	X	.614	.614	0	%100
114	M103A	Z	.355	.355	0	%100
115	M104A	X	.614	.614	0	%100
116	M104A	Z	.355	.355	0	%100
117	M105	X	.15	.15	0	%100
118	M105	Z	.087	.087	0	%100
119	M106A	X	.388	.388	0	%100
120	M106A	Z	.224	.224	0	%100
121	M107A	X	.388	.388	0	%100
122	M107A	Z	.224	.224	0	%100
123	M108C	X	.614	.614	0	%100
124	M108C	Z	.355	.355	0	%100
125	M109B	X	.614	.614	0	%100
126	M109B	Z	.355	.355	0	%100
127	M110B	X	.602	.602	0	%100
128	M110B	Z	.347	.347	0	%100
129	M111A	X	.656	.656	0	%100
130	M111A	Z	.379	.379	0	%100
131	M112A	X	.656	.656	0	%100
132	M112A	Z	.379	.379	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.647	.647	0	%100
2	M1	Z	1.12	1.12	0	%100
3	M2	X	.647	.647	0	%100
4	M2	Z	1.12	1.12	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,%]
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.647	.647	0	%100
10	M5	Z	1.12	1.12	0	%100
11	M6	X	.647	.647	0	%100
12	M6	Z	1.12	1.12	0	%100
13	M7	X	.639	.639	0	%100
14	M7	Z	1.107	1.107	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	.639	.639	0	%100
18	M9	Z	1.107	1.107	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	.037	.037	0	%100
22	M14A	Z	.063	.063	0	%100
23	M18	X	.037	.037	0	%100
24	M18	Z	.063	.063	0	%100
25	M25	X	.487	.487	0	%100
26	M25	Z	.844	.844	0	%100
27	M26	X	.487	.487	0	%100
28	M26	Z	.844	.844	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	.037	.037	0	%100
34	M42	Z	.063	.063	0	%100
35	M50	X	.037	.037	0	%100
36	M50	Z	.063	.063	0	%100
37	M52	X	.355	.355	0	%100
38	M52	Z	.614	.614	0	%100
39	M53	X	.355	.355	0	%100
40	M53	Z	.614	.614	0	%100
41	M54	X	.26	.26	0	%100
42	M54	Z	.451	.451	0	%100
43	M55	X	.355	.355	0	%100
44	M55	Z	.614	.614	0	%100
45	M56	X	.355	.355	0	%100
46	M56	Z	.614	.614	0	%100
47	M57	X	.327	.327	0	%100
48	M57	Z	.567	.567	0	%100
49	M58	X	.327	.327	0	%100
50	M58	Z	.567	.567	0	%100
51	M61	X	0	0	0	%100
52	M61	Z	0	0	0	%100
53	M62	X	.355	.355	0	%100
54	M62	Z	.614	.614	0	%100
55	M63	X	.355	.355	0	%100
56	M63	Z	.614	.614	0	%100
57	M68	X	.26	.26	0	%100
58	M68	Z	.451	.451	0	%100
59	M69	X	.355	.355	0	%100
60	M69	Z	.614	.614	0	%100
61	M70	X	.355	.355	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,%]
62	M70	Z	.614	.614	0	%100
63	MP1A	X	.309	.309	0	%100
64	MP1A	Z	.534	.534	0	%100
65	MP3A	X	.309	.309	0	%100
66	MP3A	Z	.534	.534	0	%100
67	MP4A	X	.309	.309	0	%100
68	MP4A	Z	.534	.534	0	%100
69	MP5A	X	.309	.309	0	%100
70	MP5A	Z	.534	.534	0	%100
71	MP1C	X	.309	.309	0	%100
72	MP1C	Z	.534	.534	0	%100
73	MP3C	X	.309	.309	0	%100
74	MP3C	Z	.534	.534	0	%100
75	MP4C	X	.309	.309	0	%100
76	MP4C	Z	.534	.534	0	%100
77	MP5C	X	.309	.309	0	%100
78	MP5C	Z	.534	.534	0	%100
79	MP1B	X	.309	.309	0	%100
80	MP1B	Z	.534	.534	0	%100
81	MP3B	X	.309	.309	0	%100
82	MP3B	Z	.534	.534	0	%100
83	MP4B	X	.309	.309	0	%100
84	MP4B	Z	.534	.534	0	%100
85	MP5B	X	.309	.309	0	%100
86	MP5B	Z	.534	.534	0	%100
87	MP2A	X	.309	.309	0	%100
88	MP2A	Z	.534	.534	0	%100
89	MP2C	X	.309	.309	0	%100
90	MP2C	Z	.534	.534	0	%100
91	MP2B	X	.309	.309	0	%100
92	MP2B	Z	.534	.534	0	%100
93	M106	X	0	0	0	%100
94	M106	Z	0	0	0	%100
95	M107	X	.336	.336	0	%100
96	M107	Z	.581	.581	0	%100
97	M108	X	.433	.433	0	%100
98	M108	Z	.75	.75	0	%100
99	M109	X	.433	.433	0	%100
100	M109	Z	.75	.75	0	%100
101	M110	X	.091	.091	0	%100
102	M110	Z	.157	.157	0	%100
103	M111	X	.091	.091	0	%100
104	M111	Z	.157	.157	0	%100
105	M112	X	.091	.091	0	%100
106	M112	Z	.157	.157	0	%100
107	M113	X	.091	.091	0	%100
108	M113	Z	.157	.157	0	%100
109	M114	X	.091	.091	0	%100
110	M114	Z	.157	.157	0	%100
111	OVP	X	.269	.269	0	%100
112	OVP	Z	.466	.466	0	%100
113	M103A	X	.355	.355	0	%100
114	M103A	Z	.614	.614	0	%100
115	M104A	X	.355	.355	0	%100
116	M104A	Z	.614	.614	0	%100
117	M105	X	0	0	0	%100
118	M105	Z	0	0	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,%]
119	M106A	X	.172	.172	0	%100
120	M106A	Z	.299	.299	0	%100
121	M107A	X	.172	.172	0	%100
122	M107A	Z	.299	.299	0	%100
123	M108C	X	.355	.355	0	%100
124	M108C	Z	.614	.614	0	%100
125	M109B	X	.355	.355	0	%100
126	M109B	Z	.614	.614	0	%100
127	M110B	X	.26	.26	0	%100
128	M110B	Z	.451	.451	0	%100
129	M111A	X	.327	.327	0	%100
130	M111A	Z	.567	.567	0	%100
131	M112A	X	.327	.327	0	%100
132	M112A	Z	.567	.567	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	1.725	1.725	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	1.725	1.725	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.431	.431	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.431	.431	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	.431	.431	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	.431	.431	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	1.705	1.705	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	.426	.426	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	.426	.426	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	.024	.024	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	.024	.024	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	.097	.097	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	.325	.325	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	1.299	1.299	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.325	.325	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	.024	.024	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	.024	.024	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	.097	.097	0	%100
37	M52	X	0	0	0	%100
38	M52	Z	.709	.709	0	%100
39	M53	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M53	Z	.709	.709	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	.695	.695	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	.709	.709	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	.709	.709	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	.758	.758	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	.758	.758	0	%100
51	M61	X	0	0	0	%100
52	M61	Z	.174	.174	0	%100
53	M62	X	0	0	0	%100
54	M62	Z	.709	.709	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	.709	.709	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	.174	.174	0	%100
59	M69	X	0	0	0	%100
60	M69	Z	.709	.709	0	%100
61	M70	X	0	0	0	%100
62	M70	Z	.709	.709	0	%100
63	MP1A	X	0	0	0	%100
64	MP1A	Z	.617	.617	0	%100
65	MP3A	X	0	0	0	%100
66	MP3A	Z	.617	.617	0	%100
67	MP4A	X	0	0	0	%100
68	MP4A	Z	.617	.617	0	%100
69	MP5A	X	0	0	0	%100
70	MP5A	Z	.617	.617	0	%100
71	MP1C	X	0	0	0	%100
72	MP1C	Z	.617	.617	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	.617	.617	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	.617	.617	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	.617	.617	0	%100
79	MP1B	X	0	0	0	%100
80	MP1B	Z	.617	.617	0	%100
81	MP3B	X	0	0	0	%100
82	MP3B	Z	.617	.617	0	%100
83	MP4B	X	0	0	0	%100
84	MP4B	Z	.617	.617	0	%100
85	MP5B	X	0	0	0	%100
86	MP5B	Z	.617	.617	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	.617	.617	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	.617	.617	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	.617	.617	0	%100
93	M106	X	0	0	0	%100
94	M106	Z	.378	.378	0	%100
95	M107	X	0	0	0	%100
96	M107	Z	.503	.503	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,%]
97	M108	X	0	0	0	%100
98	M108	Z	.866	.866	0	%100
99	M109	X	0	0	0	%100
100	M109	Z	.866	.866	0	%100
101	M110	X	0	0	0	%100
102	M110	Z	.136	.136	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	.136	.136	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	.136	.136	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	.136	.136	0	%100
109	M114	X	0	0	0	%100
110	M114	Z	.136	.136	0	%100
111	OVP	X	0	0	0	%100
112	OVP	Z	.538	.538	0	%100
113	M103A	X	0	0	0	%100
114	M103A	Z	.709	.709	0	%100
115	M104A	X	0	0	0	%100
116	M104A	Z	.709	.709	0	%100
117	M105	X	0	0	0	%100
118	M105	Z	.174	.174	0	%100
119	M106A	X	0	0	0	%100
120	M106A	Z	.448	.448	0	%100
121	M107A	X	0	0	0	%100
122	M107A	Z	.448	.448	0	%100
123	M108C	X	0	0	0	%100
124	M108C	Z	.709	.709	0	%100
125	M109B	X	0	0	0	%100
126	M109B	Z	.709	.709	0	%100
127	M110B	X	0	0	0	%100
128	M110B	Z	.174	.174	0	%100
129	M111A	X	0	0	0	%100
130	M111A	Z	.448	.448	0	%100
131	M112A	X	0	0	0	%100
132	M112A	Z	.448	.448	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.647	-.647	0	%100
2	M1	Z	1.12	1.12	0	%100
3	M2	X	-.647	-.647	0	%100
4	M2	Z	1.12	1.12	0	%100
5	M3	X	-.647	-.647	0	%100
6	M3	Z	1.12	1.12	0	%100
7	M4	X	-.647	-.647	0	%100
8	M4	Z	1.12	1.12	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-.639	-.639	0	%100
14	M7	Z	1.107	1.107	0	%100
15	M8	X	-.639	-.639	0	%100
16	M8	Z	1.107	1.107	0	%100
17	M9	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
18	M9	Z	0	0	0	%100
19	M13	X	-.037	-.037	0	%100
20	M13	Z	.063	.063	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	-.037	-.037	0	%100
24	M18	Z	.063	.063	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.487	-.487	0	%100
28	M26	Z	.844	.844	0	%100
29	M27	X	-.487	-.487	0	%100
30	M27	Z	.844	.844	0	%100
31	M34	X	-.037	-.037	0	%100
32	M34	Z	.063	.063	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	-.037	-.037	0	%100
36	M50	Z	.063	.063	0	%100
37	M52	X	-.355	-.355	0	%100
38	M52	Z	.614	.614	0	%100
39	M53	X	-.355	-.355	0	%100
40	M53	Z	.614	.614	0	%100
41	M54	X	-.26	-.26	0	%100
42	M54	Z	.451	.451	0	%100
43	M55	X	-.355	-.355	0	%100
44	M55	Z	.614	.614	0	%100
45	M56	X	-.355	-.355	0	%100
46	M56	Z	.614	.614	0	%100
47	M57	X	-.327	-.327	0	%100
48	M57	Z	.567	.567	0	%100
49	M58	X	-.327	-.327	0	%100
50	M58	Z	.567	.567	0	%100
51	M61	X	-.26	-.26	0	%100
52	M61	Z	.451	.451	0	%100
53	M62	X	-.355	-.355	0	%100
54	M62	Z	.614	.614	0	%100
55	M63	X	-.355	-.355	0	%100
56	M63	Z	.614	.614	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	-.355	-.355	0	%100
60	M69	Z	.614	.614	0	%100
61	M70	X	-.355	-.355	0	%100
62	M70	Z	.614	.614	0	%100
63	MP1A	X	-.309	-.309	0	%100
64	MP1A	Z	.534	.534	0	%100
65	MP3A	X	-.309	-.309	0	%100
66	MP3A	Z	.534	.534	0	%100
67	MP4A	X	-.309	-.309	0	%100
68	MP4A	Z	.534	.534	0	%100
69	MP5A	X	-.309	-.309	0	%100
70	MP5A	Z	.534	.534	0	%100
71	MP1C	X	-.309	-.309	0	%100
72	MP1C	Z	.534	.534	0	%100
73	MP3C	X	-.309	-.309	0	%100
74	MP3C	Z	.534	.534	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,%]
75	MP4C	X	-.309	-.309	0	%100
76	MP4C	Z	.534	.534	0	%100
77	MP5C	X	-.309	-.309	0	%100
78	MP5C	Z	.534	.534	0	%100
79	MP1B	X	-.309	-.309	0	%100
80	MP1B	Z	.534	.534	0	%100
81	MP3B	X	-.309	-.309	0	%100
82	MP3B	Z	.534	.534	0	%100
83	MP4B	X	-.309	-.309	0	%100
84	MP4B	Z	.534	.534	0	%100
85	MP5B	X	-.309	-.309	0	%100
86	MP5B	Z	.534	.534	0	%100
87	MP2A	X	-.309	-.309	0	%100
88	MP2A	Z	.534	.534	0	%100
89	MP2C	X	-.309	-.309	0	%100
90	MP2C	Z	.534	.534	0	%100
91	MP2B	X	-.309	-.309	0	%100
92	MP2B	Z	.534	.534	0	%100
93	M106	X	-.567	-.567	0	%100
94	M106	Z	.982	.982	0	%100
95	M107	X	-.084	-.084	0	%100
96	M107	Z	.145	.145	0	%100
97	M108	X	-.433	-.433	0	%100
98	M108	Z	.75	.75	0	%100
99	M109	X	-.433	-.433	0	%100
100	M109	Z	.75	.75	0	%100
101	M110	X	-.023	-.023	0	%100
102	M110	Z	.039	.039	0	%100
103	M111	X	-.023	-.023	0	%100
104	M111	Z	.039	.039	0	%100
105	M112	X	-.023	-.023	0	%100
106	M112	Z	.039	.039	0	%100
107	M113	X	-.023	-.023	0	%100
108	M113	Z	.039	.039	0	%100
109	M114	X	-.023	-.023	0	%100
110	M114	Z	.039	.039	0	%100
111	OVP	X	-.269	-.269	0	%100
112	OVP	Z	.466	.466	0	%100
113	M103A	X	-.355	-.355	0	%100
114	M103A	Z	.614	.614	0	%100
115	M104A	X	-.355	-.355	0	%100
116	M104A	Z	.614	.614	0	%100
117	M105	X	-.26	-.26	0	%100
118	M105	Z	.451	.451	0	%100
119	M106A	X	-.327	-.327	0	%100
120	M106A	Z	.567	.567	0	%100
121	M107A	X	-.327	-.327	0	%100
122	M107A	Z	.567	.567	0	%100
123	M108C	X	-.355	-.355	0	%100
124	M108C	Z	.614	.614	0	%100
125	M109B	X	-.355	-.355	0	%100
126	M109B	Z	.614	.614	0	%100
127	M110B	X	0	0	0	%100
128	M110B	Z	0	0	0	%100
129	M111A	X	-.172	-.172	0	%100
130	M111A	Z	.299	.299	0	%100
131	M112A	X	-.172	-.172	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,%]
132	M112A	Z	.299	.299	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.373	-.373	0	%100
2	M1	Z	.216	.216	0	%100
3	M2	X	-.373	-.373	0	%100
4	M2	Z	.216	.216	0	%100
5	M3	X	-1.494	-1.494	0	%100
6	M3	Z	.862	.862	0	%100
7	M4	X	-1.494	-1.494	0	%100
8	M4	Z	.862	.862	0	%100
9	M5	X	-.373	-.373	0	%100
10	M5	Z	.216	.216	0	%100
11	M6	X	-.373	-.373	0	%100
12	M6	Z	.216	.216	0	%100
13	M7	X	-.369	-.369	0	%100
14	M7	Z	.213	.213	0	%100
15	M8	X	-1.476	-1.476	0	%100
16	M8	Z	.852	.852	0	%100
17	M9	X	-.369	-.369	0	%100
18	M9	Z	.213	.213	0	%100
19	M13	X	-.084	-.084	0	%100
20	M13	Z	.049	.049	0	%100
21	M14A	X	-.021	-.021	0	%100
22	M14A	Z	.012	.012	0	%100
23	M18	X	-.021	-.021	0	%100
24	M18	Z	.012	.012	0	%100
25	M25	X	-.281	-.281	0	%100
26	M25	Z	.162	.162	0	%100
27	M26	X	-.281	-.281	0	%100
28	M26	Z	.162	.162	0	%100
29	M27	X	-1.125	-1.125	0	%100
30	M27	Z	.65	.65	0	%100
31	M34	X	-.084	-.084	0	%100
32	M34	Z	.049	.049	0	%100
33	M42	X	-.021	-.021	0	%100
34	M42	Z	.012	.012	0	%100
35	M50	X	-.021	-.021	0	%100
36	M50	Z	.012	.012	0	%100
37	M52	X	-.614	-.614	0	%100
38	M52	Z	.355	.355	0	%100
39	M53	X	-.614	-.614	0	%100
40	M53	Z	.355	.355	0	%100
41	M54	X	-.15	-.15	0	%100
42	M54	Z	.087	.087	0	%100
43	M55	X	-.614	-.614	0	%100
44	M55	Z	.355	.355	0	%100
45	M56	X	-.614	-.614	0	%100
46	M56	Z	.355	.355	0	%100
47	M57	X	-.388	-.388	0	%100
48	M57	Z	.224	.224	0	%100
49	M58	X	-.388	-.388	0	%100
50	M58	Z	.224	.224	0	%100
51	M61	X	-.602	-.602	0	%100
52	M61	Z	.347	.347	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,%]
53	M62	X	-.614	-.614	0	%100
54	M62	Z	.355	.355	0	%100
55	M63	X	-.614	-.614	0	%100
56	M63	Z	.355	.355	0	%100
57	M68	X	-.15	-.15	0	%100
58	M68	Z	.087	.087	0	%100
59	M69	X	-.614	-.614	0	%100
60	M69	Z	.355	.355	0	%100
61	M70	X	-.614	-.614	0	%100
62	M70	Z	.355	.355	0	%100
63	MP1A	X	-.534	-.534	0	%100
64	MP1A	Z	.309	.309	0	%100
65	MP3A	X	-.534	-.534	0	%100
66	MP3A	Z	.309	.309	0	%100
67	MP4A	X	-.534	-.534	0	%100
68	MP4A	Z	.309	.309	0	%100
69	MP5A	X	-.534	-.534	0	%100
70	MP5A	Z	.309	.309	0	%100
71	MP1C	X	-.534	-.534	0	%100
72	MP1C	Z	.309	.309	0	%100
73	MP3C	X	-.534	-.534	0	%100
74	MP3C	Z	.309	.309	0	%100
75	MP4C	X	-.534	-.534	0	%100
76	MP4C	Z	.309	.309	0	%100
77	MP5C	X	-.534	-.534	0	%100
78	MP5C	Z	.309	.309	0	%100
79	MP1B	X	-.534	-.534	0	%100
80	MP1B	Z	.309	.309	0	%100
81	MP3B	X	-.534	-.534	0	%100
82	MP3B	Z	.309	.309	0	%100
83	MP4B	X	-.534	-.534	0	%100
84	MP4B	Z	.309	.309	0	%100
85	MP5B	X	-.534	-.534	0	%100
86	MP5B	Z	.309	.309	0	%100
87	MP2A	X	-.534	-.534	0	%100
88	MP2A	Z	.309	.309	0	%100
89	MP2C	X	-.534	-.534	0	%100
90	MP2C	Z	.309	.309	0	%100
91	MP2B	X	-.534	-.534	0	%100
92	MP2B	Z	.309	.309	0	%100
93	M106	X	-1.309	-1.309	0	%100
94	M106	Z	.756	.756	0	%100
95	M107	X	0	0	0	%100
96	M107	Z	0	0	0	%100
97	M108	X	-.75	-.75	0	%100
98	M108	Z	.433	.433	0	%100
99	M109	X	-.75	-.75	0	%100
100	M109	Z	.433	.433	0	%100
101	M110	X	0	0	0	%100
102	M110	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	0	0	0	%100
109	M114	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
110	M114	Z	0	0	0	%100
111	OVP	X	-.466	-.466	0	%100
112	OVP	Z	.269	.269	0	%100
113	M103A	X	-.614	-.614	0	%100
114	M103A	Z	.355	.355	0	%100
115	M104A	X	-.614	-.614	0	%100
116	M104A	Z	.355	.355	0	%100
117	M105	X	-.602	-.602	0	%100
118	M105	Z	.347	.347	0	%100
119	M106A	X	-.656	-.656	0	%100
120	M106A	Z	.379	.379	0	%100
121	M107A	X	-.656	-.656	0	%100
122	M107A	Z	.379	.379	0	%100
123	M108C	X	-.614	-.614	0	%100
124	M108C	Z	.355	.355	0	%100
125	M109B	X	-.614	-.614	0	%100
126	M109B	Z	.355	.355	0	%100
127	M110B	X	-.15	-.15	0	%100
128	M110B	Z	.087	.087	0	%100
129	M111A	X	-.388	-.388	0	%100
130	M111A	Z	.224	.224	0	%100
131	M112A	X	-.388	-.388	0	%100
132	M112A	Z	.224	.224	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-1.294	-1.294	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.294	-1.294	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-1.294	-1.294	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-1.294	-1.294	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-1.278	-1.278	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-1.278	-1.278	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	-.073	-.073	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	-.073	-.073	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	-.974	-.974	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-.974	-.974	0	%100
30	M27	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,%]
31	M34	X	-.073	-.073	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	-.073	-.073	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	-.709	-.709	0	%100
38	M52	Z	0	0	0	%100
39	M53	X	-.709	-.709	0	%100
40	M53	Z	0	0	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	-.709	-.709	0	%100
44	M55	Z	0	0	0	%100
45	M56	X	-.709	-.709	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	-.345	-.345	0	%100
48	M57	Z	0	0	0	%100
49	M58	X	-.345	-.345	0	%100
50	M58	Z	0	0	0	%100
51	M61	X	-.521	-.521	0	%100
52	M61	Z	0	0	0	%100
53	M62	X	-.709	-.709	0	%100
54	M62	Z	0	0	0	%100
55	M63	X	-.709	-.709	0	%100
56	M63	Z	0	0	0	%100
57	M68	X	-.521	-.521	0	%100
58	M68	Z	0	0	0	%100
59	M69	X	-.709	-.709	0	%100
60	M69	Z	0	0	0	%100
61	M70	X	-.709	-.709	0	%100
62	M70	Z	0	0	0	%100
63	MP1A	X	-.617	-.617	0	%100
64	MP1A	Z	0	0	0	%100
65	MP3A	X	-.617	-.617	0	%100
66	MP3A	Z	0	0	0	%100
67	MP4A	X	-.617	-.617	0	%100
68	MP4A	Z	0	0	0	%100
69	MP5A	X	-.617	-.617	0	%100
70	MP5A	Z	0	0	0	%100
71	MP1C	X	-.617	-.617	0	%100
72	MP1C	Z	0	0	0	%100
73	MP3C	X	-.617	-.617	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	-.617	-.617	0	%100
76	MP4C	Z	0	0	0	%100
77	MP5C	X	-.617	-.617	0	%100
78	MP5C	Z	0	0	0	%100
79	MP1B	X	-.617	-.617	0	%100
80	MP1B	Z	0	0	0	%100
81	MP3B	X	-.617	-.617	0	%100
82	MP3B	Z	0	0	0	%100
83	MP4B	X	-.617	-.617	0	%100
84	MP4B	Z	0	0	0	%100
85	MP5B	X	-.617	-.617	0	%100
86	MP5B	Z	0	0	0	%100
87	MP2A	X	-.617	-.617	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,%]
88	MP2A	Z	0	0	0	%100
89	MP2C	X	-.617	-.617	0	%100
90	MP2C	Z	0	0	0	%100
91	MP2B	X	-.617	-.617	0	%100
92	MP2B	Z	0	0	0	%100
93	M106	X	-1.134	-1.134	0	%100
94	M106	Z	0	0	0	%100
95	M107	X	-.168	-.168	0	%100
96	M107	Z	0	0	0	%100
97	M108	X	-.866	-.866	0	%100
98	M108	Z	0	0	0	%100
99	M109	X	-.866	-.866	0	%100
100	M109	Z	0	0	0	%100
101	M110	X	-.045	-.045	0	%100
102	M110	Z	0	0	0	%100
103	M111	X	-.045	-.045	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	-.045	-.045	0	%100
106	M112	Z	0	0	0	%100
107	M113	X	-.045	-.045	0	%100
108	M113	Z	0	0	0	%100
109	M114	X	-.045	-.045	0	%100
110	M114	Z	0	0	0	%100
111	OVP	X	-.538	-.538	0	%100
112	OVP	Z	0	0	0	%100
113	M103A	X	-.709	-.709	0	%100
114	M103A	Z	0	0	0	%100
115	M104A	X	-.709	-.709	0	%100
116	M104A	Z	0	0	0	%100
117	M105	X	-.521	-.521	0	%100
118	M105	Z	0	0	0	%100
119	M106A	X	-.655	-.655	0	%100
120	M106A	Z	0	0	0	%100
121	M107A	X	-.655	-.655	0	%100
122	M107A	Z	0	0	0	%100
123	M108C	X	-.709	-.709	0	%100
124	M108C	Z	0	0	0	%100
125	M109B	X	-.709	-.709	0	%100
126	M109B	Z	0	0	0	%100
127	M110B	X	-.521	-.521	0	%100
128	M110B	Z	0	0	0	%100
129	M111A	X	-.655	-.655	0	%100
130	M111A	Z	0	0	0	%100
131	M112A	X	-.655	-.655	0	%100
132	M112A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.373	-.373	0	%100
2	M1	Z	-.216	-.216	0	%100
3	M2	X	-.373	-.373	0	%100
4	M2	Z	-.216	-.216	0	%100
5	M3	X	-.373	-.373	0	%100
6	M3	Z	-.216	-.216	0	%100
7	M4	X	-.373	-.373	0	%100
8	M4	Z	-.216	-.216	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,%]
9	M5	X	-1.494	-1.494	0	%100
10	M5	Z	-.862	-.862	0	%100
11	M6	X	-1.494	-1.494	0	%100
12	M6	Z	-.862	-.862	0	%100
13	M7	X	-.369	-.369	0	%100
14	M7	Z	-.213	-.213	0	%100
15	M8	X	-.369	-.369	0	%100
16	M8	Z	-.213	-.213	0	%100
17	M9	X	-1.476	-1.476	0	%100
18	M9	Z	-.852	-.852	0	%100
19	M13	X	-.021	-.021	0	%100
20	M13	Z	-.012	-.012	0	%100
21	M14A	X	-.084	-.084	0	%100
22	M14A	Z	-.049	-.049	0	%100
23	M18	X	-.021	-.021	0	%100
24	M18	Z	-.012	-.012	0	%100
25	M25	X	-1.125	-1.125	0	%100
26	M25	Z	-.65	-.65	0	%100
27	M26	X	-.281	-.281	0	%100
28	M26	Z	-.162	-.162	0	%100
29	M27	X	-.281	-.281	0	%100
30	M27	Z	-.162	-.162	0	%100
31	M34	X	-.021	-.021	0	%100
32	M34	Z	-.012	-.012	0	%100
33	M42	X	-.084	-.084	0	%100
34	M42	Z	-.049	-.049	0	%100
35	M50	X	-.021	-.021	0	%100
36	M50	Z	-.012	-.012	0	%100
37	M52	X	-.614	-.614	0	%100
38	M52	Z	-.355	-.355	0	%100
39	M53	X	-.614	-.614	0	%100
40	M53	Z	-.355	-.355	0	%100
41	M54	X	-.15	-.15	0	%100
42	M54	Z	-.087	-.087	0	%100
43	M55	X	-.614	-.614	0	%100
44	M55	Z	-.355	-.355	0	%100
45	M56	X	-.614	-.614	0	%100
46	M56	Z	-.355	-.355	0	%100
47	M57	X	-.388	-.388	0	%100
48	M57	Z	-.224	-.224	0	%100
49	M58	X	-.388	-.388	0	%100
50	M58	Z	-.224	-.224	0	%100
51	M61	X	-.15	-.15	0	%100
52	M61	Z	-.087	-.087	0	%100
53	M62	X	-.614	-.614	0	%100
54	M62	Z	-.355	-.355	0	%100
55	M63	X	-.614	-.614	0	%100
56	M63	Z	-.355	-.355	0	%100
57	M68	X	-.602	-.602	0	%100
58	M68	Z	-.347	-.347	0	%100
59	M69	X	-.614	-.614	0	%100
60	M69	Z	-.355	-.355	0	%100
61	M70	X	-.614	-.614	0	%100
62	M70	Z	-.355	-.355	0	%100
63	MP1A	X	-.534	-.534	0	%100
64	MP1A	Z	-.309	-.309	0	%100
65	MP3A	X	-.534	-.534	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,%]
66	MP3A	Z	-.309	-.309	0	%100
67	MP4A	X	-.534	-.534	0	%100
68	MP4A	Z	-.309	-.309	0	%100
69	MP5A	X	-.534	-.534	0	%100
70	MP5A	Z	-.309	-.309	0	%100
71	MP1C	X	-.534	-.534	0	%100
72	MP1C	Z	-.309	-.309	0	%100
73	MP3C	X	-.534	-.534	0	%100
74	MP3C	Z	-.309	-.309	0	%100
75	MP4C	X	-.534	-.534	0	%100
76	MP4C	Z	-.309	-.309	0	%100
77	MP5C	X	-.534	-.534	0	%100
78	MP5C	Z	-.309	-.309	0	%100
79	MP1B	X	-.534	-.534	0	%100
80	MP1B	Z	-.309	-.309	0	%100
81	MP3B	X	-.534	-.534	0	%100
82	MP3B	Z	-.309	-.309	0	%100
83	MP4B	X	-.534	-.534	0	%100
84	MP4B	Z	-.309	-.309	0	%100
85	MP5B	X	-.534	-.534	0	%100
86	MP5B	Z	-.309	-.309	0	%100
87	MP2A	X	-.534	-.534	0	%100
88	MP2A	Z	-.309	-.309	0	%100
89	MP2C	X	-.534	-.534	0	%100
90	MP2C	Z	-.309	-.309	0	%100
91	MP2B	X	-.534	-.534	0	%100
92	MP2B	Z	-.309	-.309	0	%100
93	M106	X	-.327	-.327	0	%100
94	M106	Z	-.189	-.189	0	%100
95	M107	X	-.436	-.436	0	%100
96	M107	Z	-.252	-.252	0	%100
97	M108	X	-.75	-.75	0	%100
98	M108	Z	-.433	-.433	0	%100
99	M109	X	-.75	-.75	0	%100
100	M109	Z	-.433	-.433	0	%100
101	M110	X	-.118	-.118	0	%100
102	M110	Z	-.068	-.068	0	%100
103	M111	X	-.118	-.118	0	%100
104	M111	Z	-.068	-.068	0	%100
105	M112	X	-.118	-.118	0	%100
106	M112	Z	-.068	-.068	0	%100
107	M113	X	-.118	-.118	0	%100
108	M113	Z	-.068	-.068	0	%100
109	M114	X	-.118	-.118	0	%100
110	M114	Z	-.068	-.068	0	%100
111	OVP	X	-.466	-.466	0	%100
112	OVP	Z	-.269	-.269	0	%100
113	M103A	X	-.614	-.614	0	%100
114	M103A	Z	-.355	-.355	0	%100
115	M104A	X	-.614	-.614	0	%100
116	M104A	Z	-.355	-.355	0	%100
117	M105	X	-.15	-.15	0	%100
118	M105	Z	-.087	-.087	0	%100
119	M106A	X	-.388	-.388	0	%100
120	M106A	Z	-.224	-.224	0	%100
121	M107A	X	-.388	-.388	0	%100
122	M107A	Z	-.224	-.224	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,%]
123	M108C	X	-.614	-.614	0	%100
124	M108C	Z	-.355	-.355	0	%100
125	M109B	X	-.614	-.614	0	%100
126	M109B	Z	-.355	-.355	0	%100
127	M110B	X	-.602	-.602	0	%100
128	M110B	Z	-.347	-.347	0	%100
129	M111A	X	-.656	-.656	0	%100
130	M111A	Z	-.379	-.379	0	%100
131	M112A	X	-.656	-.656	0	%100
132	M112A	Z	-.379	-.379	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.647	-.647	0	%100
2	M1	Z	-1.12	-1.12	0	%100
3	M2	X	-.647	-.647	0	%100
4	M2	Z	-1.12	-1.12	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.647	-.647	0	%100
10	M5	Z	-1.12	-1.12	0	%100
11	M6	X	-.647	-.647	0	%100
12	M6	Z	-1.12	-1.12	0	%100
13	M7	X	-.639	-.639	0	%100
14	M7	Z	-1.107	-1.107	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-.639	-.639	0	%100
18	M9	Z	-1.107	-1.107	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	-.037	-.037	0	%100
22	M14A	Z	-.063	-.063	0	%100
23	M18	X	-.037	-.037	0	%100
24	M18	Z	-.063	-.063	0	%100
25	M25	X	-.487	-.487	0	%100
26	M25	Z	-.844	-.844	0	%100
27	M26	X	-.487	-.487	0	%100
28	M26	Z	-.844	-.844	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	-.037	-.037	0	%100
34	M42	Z	-.063	-.063	0	%100
35	M50	X	-.037	-.037	0	%100
36	M50	Z	-.063	-.063	0	%100
37	M52	X	-.355	-.355	0	%100
38	M52	Z	-.614	-.614	0	%100
39	M53	X	-.355	-.355	0	%100
40	M53	Z	-.614	-.614	0	%100
41	M54	X	-.26	-.26	0	%100
42	M54	Z	-.451	-.451	0	%100
43	M55	X	-.355	-.355	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,%]
44	M55	Z	-.614	-.614	0	%100
45	M56	X	-.355	-.355	0	%100
46	M56	Z	-.614	-.614	0	%100
47	M57	X	-.327	-.327	0	%100
48	M57	Z	-.567	-.567	0	%100
49	M58	X	-.327	-.327	0	%100
50	M58	Z	-.567	-.567	0	%100
51	M61	X	0	0	0	%100
52	M61	Z	0	0	0	%100
53	M62	X	-.355	-.355	0	%100
54	M62	Z	-.614	-.614	0	%100
55	M63	X	-.355	-.355	0	%100
56	M63	Z	-.614	-.614	0	%100
57	M68	X	-.26	-.26	0	%100
58	M68	Z	-.451	-.451	0	%100
59	M69	X	-.355	-.355	0	%100
60	M69	Z	-.614	-.614	0	%100
61	M70	X	-.355	-.355	0	%100
62	M70	Z	-.614	-.614	0	%100
63	MP1A	X	-.309	-.309	0	%100
64	MP1A	Z	-.534	-.534	0	%100
65	MP3A	X	-.309	-.309	0	%100
66	MP3A	Z	-.534	-.534	0	%100
67	MP4A	X	-.309	-.309	0	%100
68	MP4A	Z	-.534	-.534	0	%100
69	MP5A	X	-.309	-.309	0	%100
70	MP5A	Z	-.534	-.534	0	%100
71	MP1C	X	-.309	-.309	0	%100
72	MP1C	Z	-.534	-.534	0	%100
73	MP3C	X	-.309	-.309	0	%100
74	MP3C	Z	-.534	-.534	0	%100
75	MP4C	X	-.309	-.309	0	%100
76	MP4C	Z	-.534	-.534	0	%100
77	MP5C	X	-.309	-.309	0	%100
78	MP5C	Z	-.534	-.534	0	%100
79	MP1B	X	-.309	-.309	0	%100
80	MP1B	Z	-.534	-.534	0	%100
81	MP3B	X	-.309	-.309	0	%100
82	MP3B	Z	-.534	-.534	0	%100
83	MP4B	X	-.309	-.309	0	%100
84	MP4B	Z	-.534	-.534	0	%100
85	MP5B	X	-.309	-.309	0	%100
86	MP5B	Z	-.534	-.534	0	%100
87	MP2A	X	-.309	-.309	0	%100
88	MP2A	Z	-.534	-.534	0	%100
89	MP2C	X	-.309	-.309	0	%100
90	MP2C	Z	-.534	-.534	0	%100
91	MP2B	X	-.309	-.309	0	%100
92	MP2B	Z	-.534	-.534	0	%100
93	M106	X	0	0	0	%100
94	M106	Z	0	0	0	%100
95	M107	X	-.336	-.336	0	%100
96	M107	Z	-.581	-.581	0	%100
97	M108	X	-.433	-.433	0	%100
98	M108	Z	-.75	-.75	0	%100
99	M109	X	-.433	-.433	0	%100
100	M109	Z	-.75	-.75	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,%]
101	M110	X	-.091	-.091	0	%100
102	M110	Z	-.157	-.157	0	%100
103	M111	X	-.091	-.091	0	%100
104	M111	Z	-.157	-.157	0	%100
105	M112	X	-.091	-.091	0	%100
106	M112	Z	-.157	-.157	0	%100
107	M113	X	-.091	-.091	0	%100
108	M113	Z	-.157	-.157	0	%100
109	M114	X	-.091	-.091	0	%100
110	M114	Z	-.157	-.157	0	%100
111	OVP	X	-.269	-.269	0	%100
112	OVP	Z	-.466	-.466	0	%100
113	M103A	X	-.355	-.355	0	%100
114	M103A	Z	-.614	-.614	0	%100
115	M104A	X	-.355	-.355	0	%100
116	M104A	Z	-.614	-.614	0	%100
117	M105	X	0	0	0	%100
118	M105	Z	0	0	0	%100
119	M106A	X	-.172	-.172	0	%100
120	M106A	Z	-.299	-.299	0	%100
121	M107A	X	-.172	-.172	0	%100
122	M107A	Z	-.299	-.299	0	%100
123	M108C	X	-.355	-.355	0	%100
124	M108C	Z	-.614	-.614	0	%100
125	M109B	X	-.355	-.355	0	%100
126	M109B	Z	-.614	-.614	0	%100
127	M110B	X	-.26	-.26	0	%100
128	M110B	Z	-.451	-.451	0	%100
129	M111A	X	-.327	-.327	0	%100
130	M111A	Z	-.567	-.567	0	%100
131	M112A	X	-.327	-.327	0	%100
132	M112A	Z	-.567	-.567	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	M1	Y	-9.516e-16	-1.63	0	.747
2	M1	Y	-1.63	-3.684	.747	1.493
3	M1	Y	-3.684	-4.505	1.493	2.24
4	M1	Y	-4.505	-2.451	2.24	2.987
5	M1	Y	-2.451	-9.516e-16	2.987	3.733
6	M6	Y	9.516e-16	-2.565	1.6	2.347
7	M6	Y	-2.565	-4.611	2.347	3.093
8	M6	Y	-4.611	-3.197	3.093	3.84
9	M6	Y	-3.197	-1.151	3.84	4.587
10	M6	Y	-1.151	9.516e-16	4.587	5.333
11	M106	Y	-.000482	-.022	0	.577
12	M106	Y	-.022	-.059	.577	1.155
13	M106	Y	-.059	-.074	1.155	1.732
14	M106	Y	-.074	-.068	1.732	2.309
15	M106	Y	-.068	-.075	2.309	2.887
16	M107	Y	-.081	-.081	0	.504
17	M4	Y	-6.575	-8.029	0	1.067
18	M4	Y	-8.029	-7.303	1.067	2.133
19	M4	Y	-7.303	-4.674	2.133	3.2
20	M4	Y	-4.674	-2.101	3.2	4.267
21	M4	Y	-2.101	-.13	4.267	5.333

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M5	Y	-.126	-2.384	0	1.067
23	M5	Y	-2.384	-4.917	1.067	2.133
24	M5	Y	-4.917	-6.622	2.133	3.2
25	M5	Y	-6.622	-7.596	3.2	4.267
26	M5	Y	-7.596	-8.941	4.267	5.333
27	M108A	Y	-1.693	-16.338	0	.069
28	M108A	Y	-16.338	-19.673	.069	.139
29	M108A	Y	-19.673	-1.693	.139	.208
30	M2	Y	-5.644	-8.527	0	1.067
31	M2	Y	-8.527	-8.215	1.067	2.133
32	M2	Y	-8.215	-5.108	2.133	3.2
33	M2	Y	-5.108	-2.509	3.2	4.267
34	M2	Y	-2.509	-.246	4.267	5.333
35	M3	Y	.238	-1.61	0	1.067
36	M3	Y	-1.61	-5.324	1.067	2.133
37	M3	Y	-5.324	-6.039	2.133	3.2
38	M3	Y	-6.039	-7.265	3.2	4.267
39	M3	Y	-7.265	-13.084	4.267	5.333
40	M7	Y	-1.22	-1.843	0	.51
41	M7	Y	-1.843	-3.448	.51	1.02
42	M7	Y	-3.448	-3.98	1.02	1.53
43	M7	Y	-3.98	-1.625	1.53	2.04
44	M7	Y	-1.625	-.031	2.04	2.55
45	M8	Y	-.086	-1.633	2.55	3.06
46	M8	Y	-1.633	-3.561	3.06	3.57
47	M8	Y	-3.561	-3.681	3.57	4.08
48	M8	Y	-3.681	-2.562	4.08	4.59
49	M8	Y	-2.562	-.841	4.59	5.1
50	M7	Y	-.052	-1.885	2.04	2.652
51	M7	Y	-1.885	-4.059	2.652	3.264
52	M7	Y	-4.059	-3.504	3.264	3.876
53	M7	Y	-3.504	-2.085	3.876	4.488
54	M7	Y	-2.085	-1.041	4.488	5.1
55	M9	Y	-.899	-2.374	0	.51
56	M9	Y	-2.374	-4.466	.51	1.02
57	M9	Y	-4.466	-4.831	1.02	1.53
58	M9	Y	-4.831	-1.957	1.53	2.04
59	M9	Y	-1.957	-.074	2.04	2.55
60	M8	Y	-.841	-2.562	0	.51
61	M8	Y	-2.562	-3.681	.51	1.02
62	M8	Y	-3.681	-3.561	1.02	1.53
63	M8	Y	-3.561	-1.633	1.53	2.04
64	M8	Y	-1.633	-.086	2.04	2.55
65	M9	Y	-.031	-1.625	2.55	3.06
66	M9	Y	-1.625	-3.98	3.06	3.57
67	M9	Y	-3.98	-3.448	3.57	4.08
68	M9	Y	-3.448	-1.843	4.08	4.59
69	M9	Y	-1.843	-1.22	4.59	5.1
70	M6	Y	-7.298	-1.625	0	2.667
71	M107	Y	-78.409	-25.535	.479	.584
72	M107	Y	-25.535	.902	.584	.688
73	M107	Y	.902	.902	.688	.793
74	M107	Y	.902	-17.604	.793	.897
75	M107	Y	-17.604	-17.604	.897	1.002
76	M107	Y	-17.604	.902	1.002	1.106
77	M107	Y	.902	.902	1.106	1.211
78	M107	Y	.902	.902	1.211	1.316

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M107	Y	.902	-17.577	1.316	1.42
80	M107	Y	-17.577	-29.453	1.42	1.525
81	M107	Y	-29.453	-16.247	1.525	1.629

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	M1	Y	0	-3.992	0	.747
2	M1	Y	-3.992	-9.023	.747	1.493
3	M1	Y	-9.023	-11.036	1.493	2.24
4	M1	Y	-11.036	-6.004	2.24	2.987
5	M1	Y	-6.004	0	2.987	3.733
6	M6	Y	-9.516e-16	-6.282	1.6	2.347
7	M6	Y	-6.282	-11.295	2.347	3.093
8	M6	Y	-11.295	-7.831	3.093	3.84
9	M6	Y	-7.831	-2.818	3.84	4.587
10	M6	Y	-2.818	-9.516e-16	4.587	5.333
11	M106	Y	-.001	-.053	0	.577
12	M106	Y	-.053	-.145	.577	1.155
13	M106	Y	-.145	-.181	1.155	1.732
14	M106	Y	-.181	-.166	1.732	2.309
15	M106	Y	-.166	-.185	2.309	2.887
16	M107	Y	-.199	-.199	0	.504
17	M4	Y	-16.105	-19.666	0	1.067
18	M4	Y	-19.666	-17.887	1.067	2.133
19	M4	Y	-17.887	-11.448	2.133	3.2
20	M4	Y	-11.448	-5.147	3.2	4.267
21	M4	Y	-5.147	-.319	4.267	5.333
22	M5	Y	-.309	-5.839	0	1.067
23	M5	Y	-5.839	-12.043	1.067	2.133
24	M5	Y	-12.043	-16.22	2.133	3.2
25	M5	Y	-16.22	-18.605	3.2	4.267
26	M5	Y	-18.605	-21.9	4.267	5.333
27	M108A	Y	-4.148	-40.019	0	.069
28	M108A	Y	-40.019	-48.189	.069	.139
29	M108A	Y	-48.189	-4.148	.139	.208
30	M2	Y	-13.825	-20.886	0	1.067
31	M2	Y	-20.886	-20.123	1.067	2.133
32	M2	Y	-20.123	-12.511	2.133	3.2
33	M2	Y	-12.511	-6.146	3.2	4.267
34	M2	Y	-6.146	-.603	4.267	5.333
35	M3	Y	.582	-3.944	0	1.067
36	M3	Y	-3.944	-13.041	1.067	2.133
37	M3	Y	-13.041	-14.792	2.133	3.2
38	M3	Y	-14.792	-17.796	3.2	4.267
39	M3	Y	-17.796	-32.048	4.267	5.333
40	M7	Y	-2.988	-4.514	0	.51
41	M7	Y	-4.514	-8.446	.51	1.02
42	M7	Y	-8.446	-9.75	1.02	1.53
43	M7	Y	-9.75	-3.98	1.53	2.04
44	M7	Y	-3.98	-.076	2.04	2.55
45	M8	Y	-.211	-4.001	2.55	3.06
46	M8	Y	-4.001	-8.722	3.06	3.57
47	M8	Y	-8.722	-9.017	3.57	4.08
48	M8	Y	-9.017	-6.275	4.08	4.59
49	M8	Y	-6.275	-2.059	4.59	5.1
50	M7	Y	-.128	-4.618	2.04	2.652

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,%]
51	M7	Y	-4.618	-9.943	2.652	3.264
52	M7	Y	-9.943	-8.582	3.264	3.876
53	M7	Y	-8.582	-5.106	3.876	4.488
54	M7	Y	-5.106	-2.551	4.488	5.1
55	M9	Y	-2.203	-5.815	0	.51
56	M9	Y	-5.815	-10.94	.51	1.02
57	M9	Y	-10.94	-11.833	1.02	1.53
58	M9	Y	-11.833	-4.794	1.53	2.04
59	M9	Y	-4.794	-.181	2.04	2.55
60	M8	Y	-2.059	-6.275	0	.51
61	M8	Y	-6.275	-9.017	.51	1.02
62	M8	Y	-9.017	-8.722	1.02	1.53
63	M8	Y	-8.722	-4.001	1.53	2.04
64	M8	Y	-4.001	-.211	2.04	2.55
65	M9	Y	-.076	-3.98	2.55	3.06
66	M9	Y	-3.98	-9.75	3.06	3.57
67	M9	Y	-9.75	-8.446	3.57	4.08
68	M9	Y	-8.446	-4.514	4.08	4.59
69	M9	Y	-4.514	-2.988	4.59	5.1
70	M6	Y	-17.875	-3.98	0	2.667
71	M107	Y	-192.057	-62.547	.479	.584
72	M107	Y	-62.547	2.208	.584	.688
73	M107	Y	2.208	2.208	.688	.793
74	M107	Y	2.208	-43.121	.793	.897
75	M107	Y	-43.121	-43.121	.897	1.002
76	M107	Y	-43.121	2.208	1.002	1.106
77	M107	Y	2.208	2.208	1.106	1.211
78	M107	Y	2.208	2.208	1.211	1.316
79	M107	Y	2.208	-43.054	1.316	1.42
80	M107	Y	-43.054	-72.144	1.42	1.525
81	M107	Y	-72.144	-39.797	1.525	1.629

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N215A	N220	N20	N193	Y	A-D	-.005
2	N12	N29	N30	N11	Y	A-D	-.005
3	N14	N22	N23	N13	Y	A-D	-.005
4	N233	N12	N11A	N235	Y	A-D	-.005
5	N216A	N11	N14	N239	Y	A-D	-.005
6	N238	N13	N12A	N236	Y	A-D	-.005
7	N11A	N214A	N216	N217A	Y	A-D	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N215A	N220	N20	N193	Y	A-D	-.013
2	N12	N29	N30	N11	Y	A-D	-.013
3	N14	N22	N23	N13	Y	A-D	-.013
4	N233	N12	N11A	N235	Y	A-D	-.013
5	N216A	N11	N14	N239	Y	A-D	-.013
6	N238	N13	N12A	N236	Y	A-D	-.013
7	N11A	N214A	N216	N217A	Y	A-D	-.013

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N8	max	160.101	10	1637.191	7	682.739	7	0	51	0	51	0	51
2		min	-160.101	4	-7710.165	13	-663.133	1	0	1	0	1	0	1
3	N72	max	2661.205	12	8307.241	3	785.473	1	0	51	0	51	0	51
4		min	-2738.951	6	-5109.95	9	-791.812	7	0	1	0	1	0	1
5	N73	max	2629.468	9	8173.064	11	521.4	1	0	51	0	51	0	51
6		min	-2576.501	3	-4803.797	5	-546.392	7	0	1	0	1	0	1
7	N74	max	750.091	3	949.291	3	438.272	9	0	51	0	51	0	51
8		min	-759.109	9	-8094.173	21	-433.065	3	0	1	0	1	0	1
9	N75A	max	877.232	1	7970.631	11	2452.972	2	0	51	0	51	0	51
10		min	-893.388	7	-4636.712	5	-2496.297	8	0	1	0	1	0	1
11	N76A	max	1882.929	10	8641.82	7	2486.241	11	0	51	0	51	0	51
12		min	-1853.926	4	-5075.545	1	-2454.889	5	0	1	0	1	0	1
13	N77A	max	705.79	5	1095.683	11	407.488	5	0	51	0	51	0	51
14		min	-727.373	11	-7829.439	17	-419.949	11	0	1	0	1	0	1
15	N78A	max	1772.548	10	8508.293	7	2013.933	3	0	51	0	51	0	51
16		min	-1775.702	4	-5073.142	1	-1961.379	9	0	1	0	1	0	1
17	N79A	max	1017.373	7	7948.21	3	2640.485	1	0	51	0	51	0	51
18		min	-981.875	1	-4816.588	9	-2670.875	7	0	1	0	1	0	1
19	Totals:	max	6334.511	10	9816.22	13	6735.102	1						
20		min	-6334.507	4	3223.023	8	-6735.091	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
1	M1	C5X6.7	.370	5.111	6	.399	5....	z	17	25851....	63828	1.604	9.585	...	H1-...
2	M2	C5X6.7	.340	.222	8	.250	0	z	10	25851....	63828	1.604	9.585	...	H1-...
3	M3	C5X6.7	.402	5.111	2	.405	5....	z	13	25851....	63828	1.604	9.585	...	H1-...
4	M4	C5X6.7	.341	.222	4	.270	0	z	6	25851....	63828	1.604	9.585	...	H1-...
5	M5	C5X6.7	.331	5.111	10	.411	5....	z	20	25851....	63828	1.604	9.585	...	H1-...
6	M6	C5X6.7	.356	.222	12	.314	2....	y	11	25851....	63828	1.604	9.585	...	H1-...
7	M7	C5X6.7	.747	5.1	1	.958	2....	y	2	27931....	63828	1.604	9.585	...	H1-...
8	M8	C5X6.7	.473	2.125	8	.381	2....	y	7	27931....	63828	1.604	9.585	...	H1-...
9	M9	C5X6.7	.481	2.975	6	.367	2....	y	7	27931....	63828	1.604	9.585	...	H1-...
10	M13	PL3/8X10	.042	0	6	.005	.667	y	5	91140.8	1215...	.949	25.313	...	H1-...
11	M14A	PL3/8X10	.056	.667	8	.009	0	y	2	91140.8	1215...	.949	25.313	...	H1-...
12	M18	PL3/8X10	.056	0	11	.011	0	y	10	91140.8	1215...	.949	25.313	...	H1-...
13	M25	L3X3X4	.700	5.104	5	.172	.417	y	5	7731.2...	46656	1.688	2.86	...	H2-1
14	M26	L3X3X4	.653	5.104	1	.153	9....	y	1	7731.2...	46656	1.688	2.84	...	H2-1
15	M27	L3X3X4	.690	5	9	.149	9....	y	9	7731.2...	46656	1.688	2.837	...	H2-1
16	M34	PL3/8X10	.158	.667	8	.125	0	y	6	91140.8	1215...	.949	25.313	...	H1-...
17	M42	PL3/8X10	.151	0	6	.131	0	y	8	91140.8	1215...	.949	25.313	...	H1-...
18	M50	PL3/8X10	.169	0	8	.121	0	y	10	91140.8	1215...	.949	25.313	...	H1-...
19	M52	L1.75X1.75X4	.145	0	1	.045	1....	z	7	14182....	26325	.513	1.177	...	H2-1
20	M53	L1.75X1.75X4	.210	0	2	.046	1....	y	7	14182....	26325	.513	1.177	...	H2-1
21	M54	L1.75X1.75X4	.095	0	3	.010	2....	z	10	15136....	26325	.513	1.177	...	H2-1
22	M55	L1.75X1.75X4	.235	3.083	2	.031	0	z	8	14182....	26325	.513	1.177	...	H2-1
23	M56	L1.75X1.75X4	.239	0	12	.032	0	y	6	14182....	26325	.513	1.177	...	H2-1
24	M57	L1.75X1.75X4	.639	3.762	6	.017	0	y	5	7107.5...	26325	.513	1.062	...	H2-1
25	M58	L1.75X1.75X4	.636	3.286	8	.018	0	z	2	7107.5...	26325	.513	1.052	...	H2-1
26	M61	L1.75X1.75X4	.067	0	11	.009	0	z	12	15136....	26325	.513	1.177	...	H2-1
27	M62	L1.75X1.75X4	.221	0	10	.026	0	z	10	14182....	26325	.513	1.177	...	H2-1
28	M63	L1.75X1.75X4	.269	0	8	.033	0	z	8	14182....	26325	.513	1.177	...	H2-1
29	M68	L1.75X1.75X4	.070	0	7	.010	0	z	7	15136....	26325	.513	1.177	...	H2-1
30	M69	L1.75X1.75X4	.260	3.083	6	.035	0	y	6	14182....	26325	.513	1.177	...	H2-1
31	M70	L1.75X1.75X4	.229	0	4	.026	0	y	4	14182....	26325	.513	1.154	...	H2-1

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
32	MP1A	PIPE_2.0	.050	1.597	5	.171	1....		8	18857....	32130	1.872	1.872	...	H1-...
33	MP3A	PIPE_2.0	.141	4.653	13	.136	4....		5	18857....	32130	1.872	1.872	...	H1-...
34	MP4A	PIPE_2.0	.087	1.597	7	.171	1....		7	18857....	32130	1.872	1.872	...	H1-...
35	MP5A	PIPE_2.0	.050	1.597	5	.180	1....		6	18857....	32130	1.872	1.872	...	H1-...
36	MP1C	PIPE_2.0	.057	1.597	12	.151	1....		10	18857....	32130	1.872	1.872	...	H1-...
37	MP3C	PIPE_2.0	.140	4.653	15	.136	4....		10	18857....	32130	1.872	1.872	...	H1-...
38	MP4C	PIPE_2.0	.084	1.597	2	.157	1....		9	18857....	32130	1.872	1.872	...	H1-...
39	MP5C	PIPE_2.0	.056	1.597	12	.174	1....		8	18857....	32130	1.872	1.872	...	H1-...
40	MP1B	PIPE_2.0	.056	1.597	2	.179	1....		6	18857....	32130	1.872	1.872	...	H1-...
41	MP3B	PIPE_2.0	.140	4.653	22	.136	4....		3	18857....	32130	1.872	1.872	...	H1-...
42	MP4B	PIPE_2.0	.084	1.597	11	.165	1....		5	18857....	32130	1.872	1.872	...	H1-...
43	MP5B	PIPE_2.0	.057	1.597	2	.151	1....		10	18857....	32130	1.872	1.872	...	H1-...
44	MP2A	PIPE_2.0	.072	1.563	7	.169	1....		7	20866....	32130	1.872	1.872	...	H1-...
45	MP2C	PIPE_2.0	.066	1.563	8	.170	1....		9	20866....	32130	1.872	1.872	...	H1-...
46	MP2B	PIPE_2.0	.066	1.563	5	.160	1....		5	20866....	32130	1.872	1.872	...	H1-...
47	M106	C5X6.7	.181	0	6	.090	.662	z	19	48979....	63828	1.604	9.585	...	H1-...
48	M107	L2x2x4	.158	1.917	1	.256	0	y	12	25395....	3058...	.691	1.577	...	H2-1
49	M108	L2x2x4	.106	2.031	9	.012	1....	y	13	8872.1...	3058...	.691	1.577	...	H2-1
50	M109	L2x2x4	.087	2.969	12	.012	3....	y	23	8872.1...	3058...	.691	1.533	...	H2-1
51	M110	SR 0.75	.009	.667	24	.011	1....		3	9756.1...	1431...	.179	.179	...	H1-...
52	M111	SR 0.75	.015	.667	24	.008	1....		14	9756.1...	1431...	.179	.179	...	H1-...
53	M112	SR 0.75	.011	.667	24	.008	1....		10	9756.1...	1431...	.179	.179	...	H1-...
54	M113	SR 0.75	.009	.667	24	.016	1....		9	9756.1...	1431...	.179	.179	...	H1-...
55	M114	SR 0.75	.009	.667	24	.018	0		9	9756.1...	1431...	.179	.179	...	H1-...
56	OVP	PIPE_2.0	.109	2.911	3	.042	2....		3	27545....	32130	1.872	1.872	...	H1-...
57	M103A	L1.75X1.75X4	.150	0	9	.044	1....	z	9	14182....	26325	.513	1.177	...	H2-1
58	M104A	L1.75X1.75X4	.212	0	9	.045	1....	y	9	14182....	26325	.513	1.177	...	H2-1
59	M105	L1.75X1.75X4	.067	0	11	.009	0	z	12	15136....	26325	.513	1.177	...	H2-1
60	M106A	L1.75X1.75X4	.615	2.619	2	.017	0	y	7	7107.5...	26325	.513	1.048	...	H2-1
61	M107A	L1.75X1.75X4	.580	3.238	4	.016	0	z	10	7107.5...	26325	.513	1.051	...	H2-1
62	M108C	L1.75X1.75X4	.153	0	5	.048	1....	y	5	14182....	26325	.513	1.177	...	H2-1
63	M109B	L1.75X1.75X4	.236	0	6	.043	3....	y	5	14182....	26325	.513	1.177	...	H2-1
64	M110B	L1.75X1.75X4	.070	0	7	.010	0	z	7	15136....	26325	.513	1.177	...	H2-1
65	M111A	L1.75X1.75X4	.604	3.143	10	.015	0	y	3	7107.5...	26325	.513	1.051	...	H2-1
66	M112A	L1.75X1.75X4	.596	3.619	12	.018	0	z	6	7107.5...	26325	.513	1.069	...	H2-1

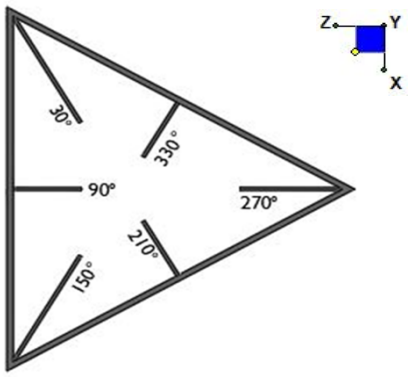
Client:	Verizon Wireless	Date:	9/10/2021
Site Name:	Tolland CT		
Project No.	21777478A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

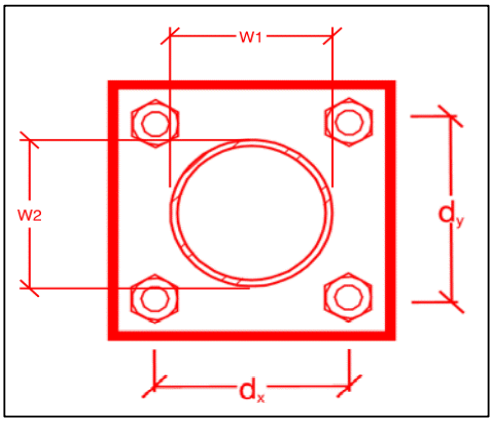
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N72	270
N8	270
N73	270
N79A	150
N77A	150
N78A	150
N76A	30
N74	30
N75A	30



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	no
Bolt Quantity per Reaction:	1
d_x (in) *(Delta X of typ. bolt config. sketch)* :	
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	
Bolt Type:	A325N
Bolt Diameter (in):	0.75
Required Tensile Strength (kips):	1.0
Required Shear Strength (kips):	8.7
Tensile Strength / bolt (kips):	29.8
Shear Strength / bolt (kips):	17.9
Tensile Capacity Overall:	**3.3%***
Shear Capacity Overall:	**48.6%**



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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Passing Mount Analysis requires a PMI due to a modification in loading.
Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com.
For additional questions and support, please reach out to pmisupport@colliersengineering.com

---

Purpose – to provide SMART Tool structural vendor the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide "as built mount drawings" showing contractor's name, contact information, preparer's signature, and date. Any deviations from the drawings (Proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- 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. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: ***https://pmi.vzwsmart.com***

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation.
  - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to installation.
  - Photos showing the climbing facility and safety climb if present.

- Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.
  - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.

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

Issue:

Contractor shall ensure the existing OVP mount pipe is positively connected to the existing channel flanges with clip angles and U-bolts. Contractor shall lower down both OVP units to make sure they have 18" max. above existing channel members.

Response:

Contractor certifies that the climbing facility / safety climb was not damaged during installation:

☐ Yes ☐ No

Comments:

☐ All hardware has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.

Or:

☐ The material utilized was approved by a SMART Tool as an “equivalent” and this approval is included as part of the contractor submission.

Antenna & equipment placement and Geometry Confirmation:

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Special Instruction Confirmation:

☐ The contractor has read and acknowledges the above special instructions.

Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Structure: 468468-VZW - TOLLAND CT

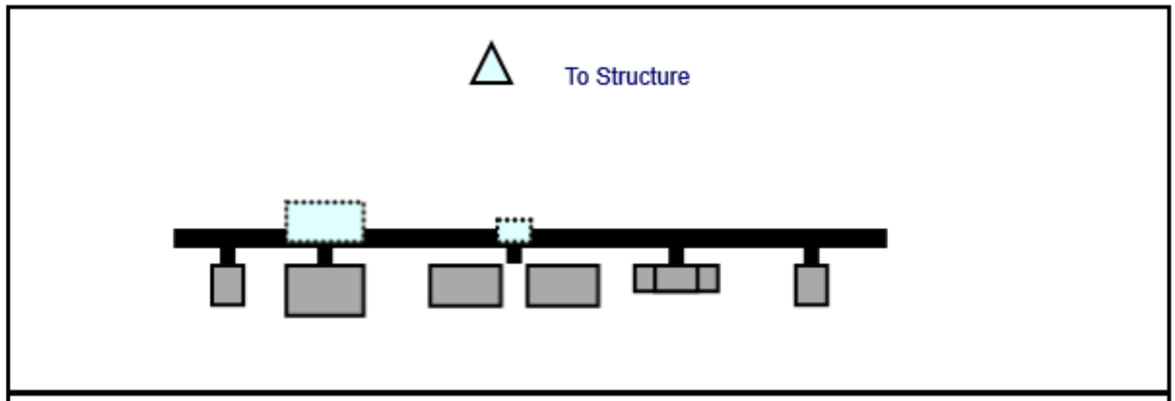
Sector: **A**

Structure Type: Monopole

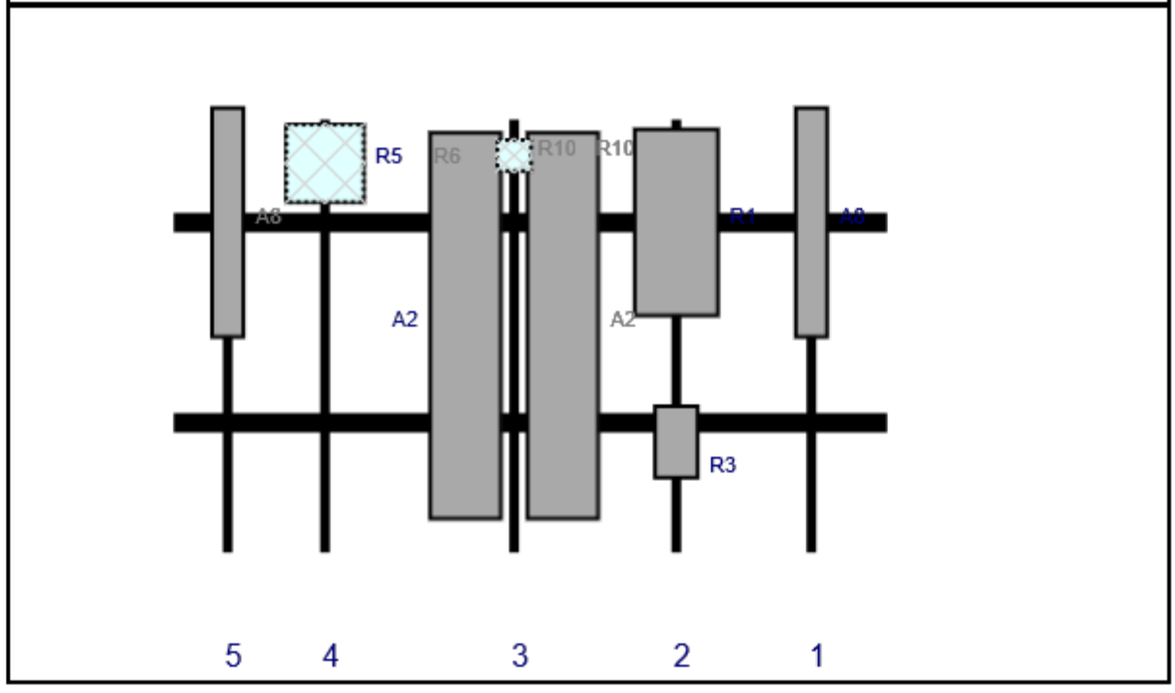
Mount Elev: 136.92

5/17/2021

Plan View



Front View
Looking at Structure



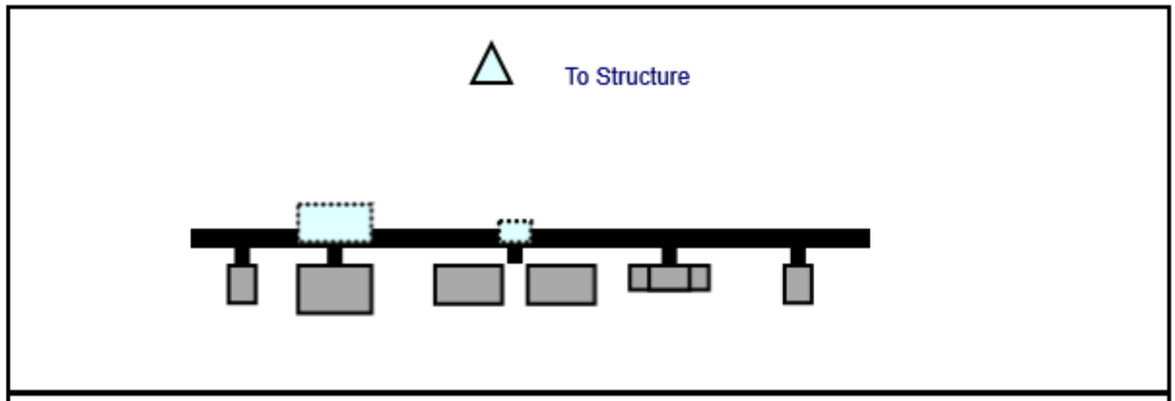
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A8	SC-9012	43	6.5	118	1	a	Front	18.96	0	Retained	03/30/2021
R1	MT6407-77A	35.1	16.1	93	2	a	Front	18.96	0	Added	
R3	XXDWMM-12.5-65-8T-CBRS	13.9	8.6	93	2	a	Front	59.52	0	Retained	03/30/2021
A2	JAHH-65B-R3B	72	13.8	63	3	a	Front	38.04	9	Retained	03/30/2021
A2	JAHH-65B-R3B	72	13.8	63	3	b	Front	38.04	-9	Retained	03/30/2021
R10	CBC78T-DS-43	6.4	6.9	63	3	a	Behind	6.6	0	Retained	03/30/2021
R10	CBC78T-DS-43	6.4	6.9	63	3	b	Behind	6.6	0	Retained	03/30/2021
R5	B2/B66A RRH-BR049	15	15	28	4	a	Front	8.04	0	Retained	03/30/2021
R6	B5/B13 RRH-BR04C	15	15	28	4	a	Behind	8.04	0	Retained	03/30/2021
A8	SC-9012	43	6.5	10	5	a	Front	18.96	0	Retained	03/30/2021

Sector: **B** 5/17/2021

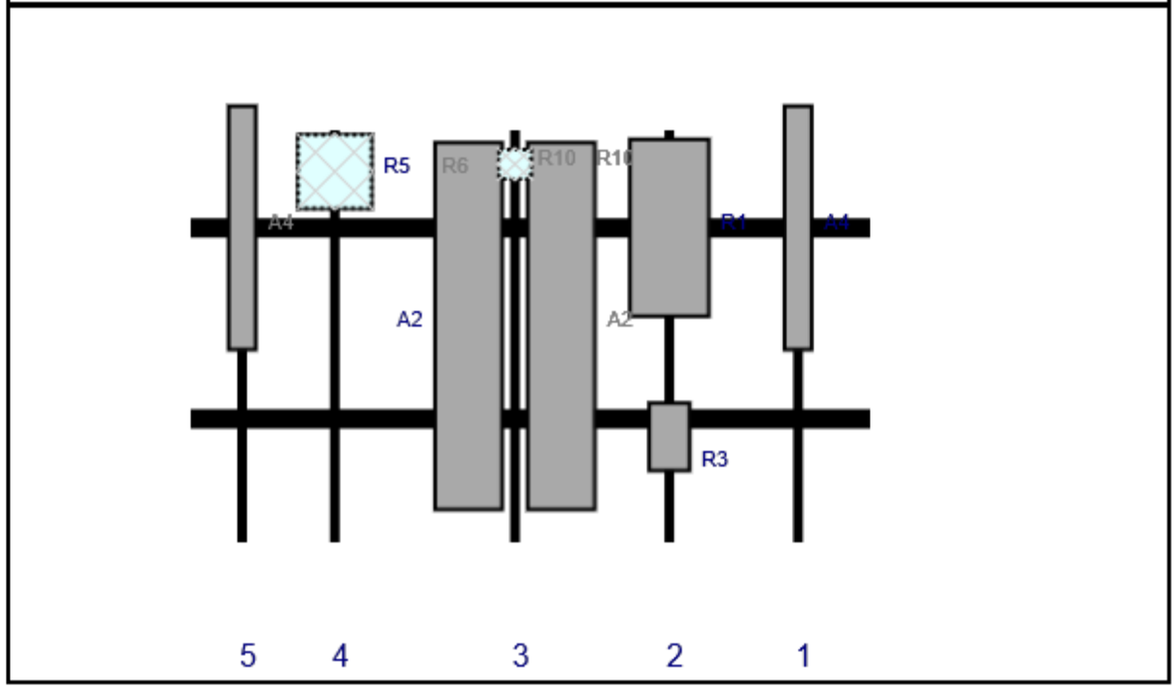
Structure Type: Monopole

Mount Elev: 136.92 Page: 2

Plan View



Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	APL868013-42TO	48	6	118	1	a	Front	18.96	0	Retained	03/30/2021
R1	MT6407-77A	35.1	16.1	93	2	a	Front	18.96	0	Added	
R3	XXDWMM-12.5-65-8T-CBRS	13.9	8.6	93	2	a	Front	59.52	0	Retained	03/30/2021
A2	JAHH-65B-R3B	72	13.8	63	3	a	Front	38.04	9	Retained	03/30/2021
A2	JAHH-65B-R3B	72	13.8	63	3	b	Front	38.04	-9	Retained	03/30/2021
R10	CBC78T-DS-43	6.4	6.9	63	3	a	Behind	6.6	0	Retained	03/30/2021
R10	CBC78T-DS-43	6.4	6.9	63	3	b	Behind	6.6	0	Retained	03/30/2021
R5	B2/B66A RRH-BR049	15	15	28	4	a	Front	8.04	0	Retained	03/30/2021
R6	B5/B13 RRH-BR04C	15	15	28	4	a	Behind	8.04	0	Retained	03/30/2021
A4	APL868013-42TO	48	6	10	5	a	Front	18.96	0	Retained	03/30/2021

Sector: **C**

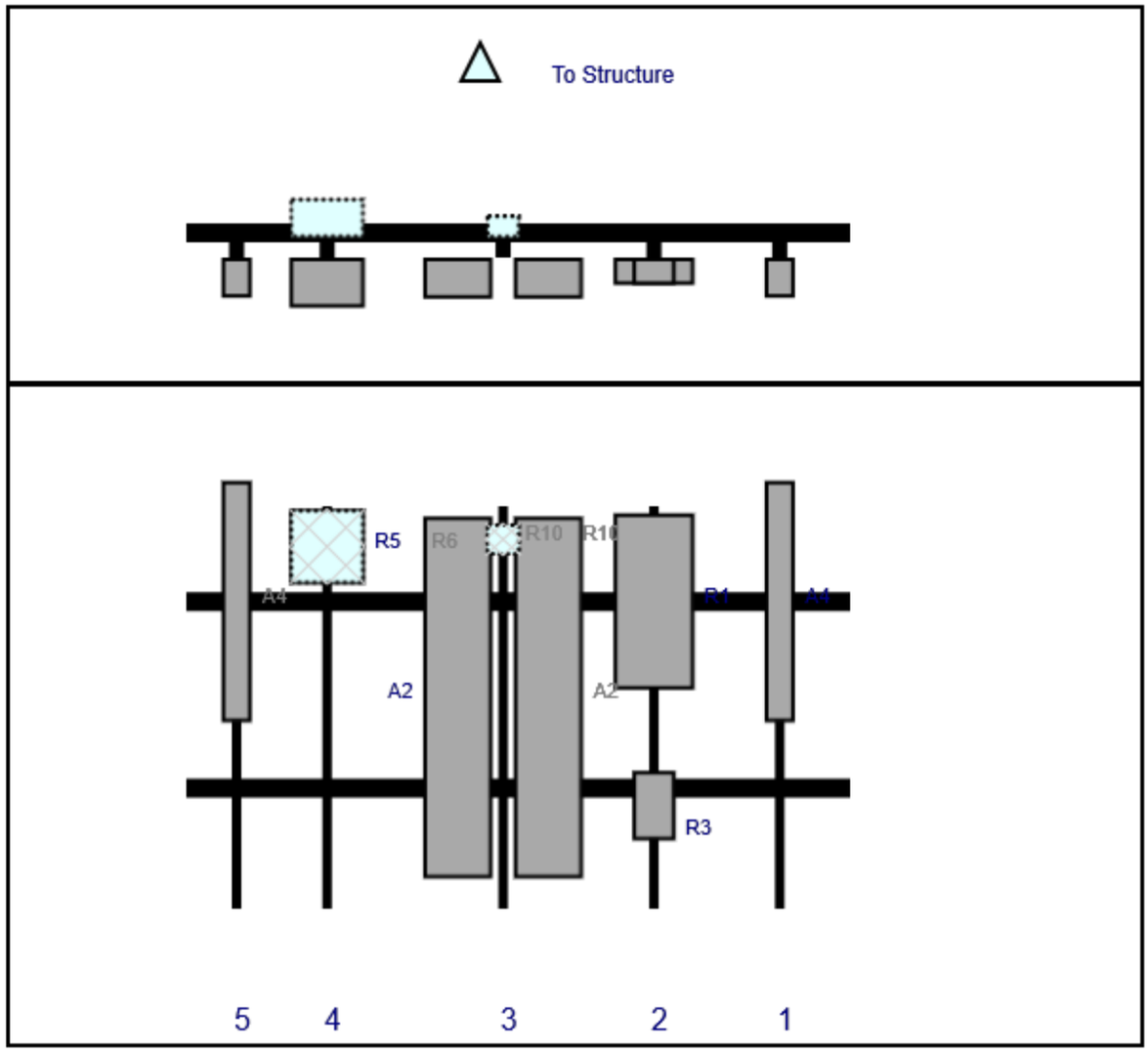
Structure Type: Monopole

Mount Elev: 136.92

5/17/2021

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
A4	APL868013-42TO	48	6	118	1	a	Front	18.96	0	Retained	03/30/2021
R1	MT6407-77A	35.1	16.1	93	2	a	Front	18.96	0	Added	
R3	XXDWMM-12.5-65-8T-CBRS	13.9	8.6	93	2	a	Front	59.52	0	Retained	03/30/2021
A2	JAHH-65B-R3B	72	13.8	63	3	a	Front	38.04	9	Retained	03/30/2021
A2	JAHH-65B-R3B	72	13.8	63	3	b	Front	38.04	-9	Retained	03/30/2021
R10	CBC78T-DS-43	6.4	6.9	63	3	a	Behind	6.6	0	Retained	03/30/2021
R10	CBC78T-DS-43	6.4	6.9	63	3	b	Behind	6.6	0	Retained	03/30/2021
R5	B2/B66A RRH-BR049	15	15	28	4	a	Front	8.04	0	Retained	03/30/2021
R6	B5/B13 RRH-BR04C	15	15	28	4	a	Behind	8.04	0	Retained	03/30/2021
A4	APL868013-42TO	48	6	10	5	a	Front	18.96	0	Retained	03/30/2021

Maser Consulting Connecticut

MASER CONSULTING
— CONNECTICUT —

Subject		TIA-222-H Usage
Site Information	Site ID:	468468-VZW / TOLLAND CT
	Site Name:	TOLLAND CT
	Carrier Name:	Verizon Wireless
	Address:	5 Ruops Road Tolland, Connecticut 06084 Tolland County
	Latitude:	41.873319°
	Longitude:	-72.338283°
Structure Information	Tower Type:	150-Ft Monopole
	Mount Type:	11.00-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. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

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

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

Sincerely,

Dejian Xu

Dejian Xu, PE
Technical Manager

Site Name: Tolland 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	662	2647	140	0.0049	0.5007	0.97%
VZW CDMA	869	2	394	789	140	0.0014	0.5793	0.25%
VZW Cellular	869	4	788	3153	140	0.0058	0.5793	1.00%
VZW PCS	1980	4	1402	5606	140	0.0103	1.0000	1.03%
VZW AWS	2125	4	1462	5848	140	0.0107	1.0000	1.07%
VZW CBRS	3625	4	11	44	140	0.0001	1.0000	0.01%
VZW CBAND	3730	4	6531	26124	140	0.0479	1.0000	4.79%
Total Percentage of Maximum Permissible Exposure								9.12%

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

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

Absolute worst case maximum values used.

Town of Tolland, CT

Property

56 RUOPS ROAD

Google Directions | Zoom

View Details

Google Maps Link

Property Record Card

Town of Tolland

Property

Address	56 RUOPS ROAD
ID	23/E/051

Ownership

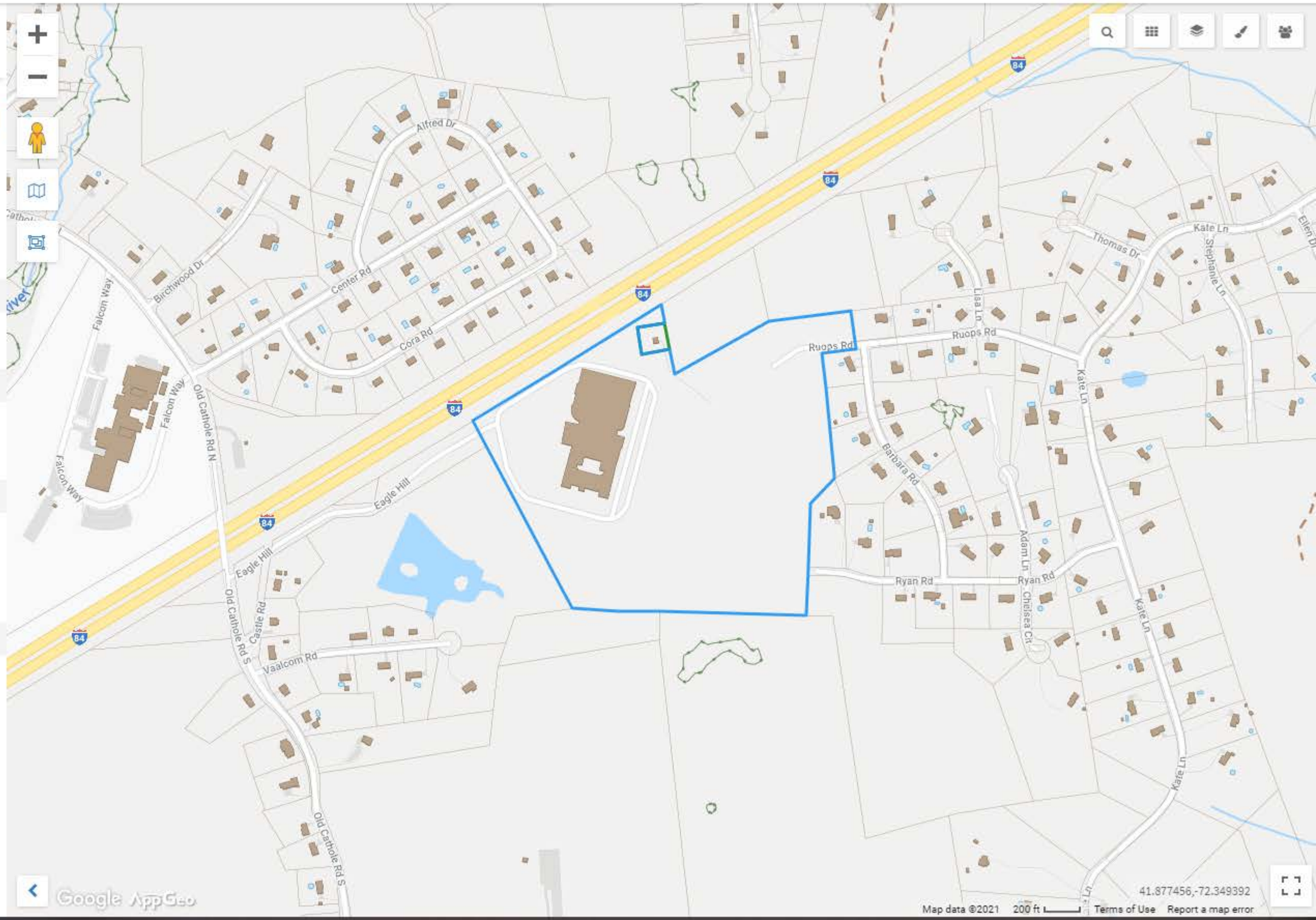
Name	TOWN OF TOLLAND
Address	PO BOX 723597 ATLANTA, GA 31139

Valuation

Total	$1,925,000
Land	$1,733,300
Last Sale	$0 on 2003-04-24
Book/Page	819/81

Land

Area	0.78
Zone	RDD
Land Use Code	300V



56 RUOPS ROAD

Location	56 RUOPS ROAD	**Mblu**	23/ E/ 51/ /
Acct#	5384	**Owner**	TOWN OF TOLLAND
Assessment	$1,347,600	**Appraisal**	$1,925,000
PID	3892	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$191,700	$1,733,300	$1,925,000
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$134,300	$1,213,300	$1,347,600

Owner of Record

Owner	TOWN OF TOLLAND
Co-Owner	C/O SPECTRASITE COMMUNICATIONS
Address	PO BOX 723597 ATLANTA, GA 31139

Sale Price	$0
Certificate	
Book & Page	0819/0081
Sale Date	04/24/2003
Instrument	15

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
TOWN OF TOLLAND	$0		0819/0081	15	04/24/2003

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Replacement Cost: $0
Building Percent Good:
Replacement Cost Less Depreciation: $0

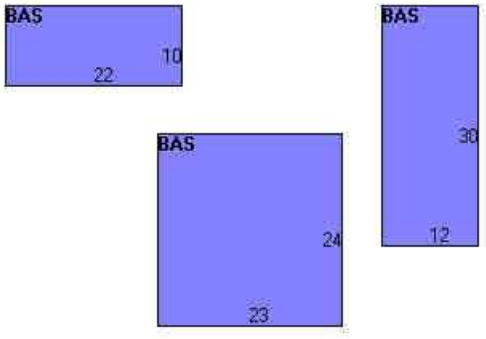
Building Attributes

Field	Description
Style:	Outbuildings
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Num Kitchens	
Cndtn	
Func Code	
Econ Code	
Num Park	
Fireplaces	
Solar	
Solar Type	
Fndtn Cndtn	
Basement	

Building Photo

(http://images.vgsi.com/photos/TollandCTPhotos//\00\00\63\46.jpg)

Building Layout



(http://images.vgsi.com/photos/TollandCTPhotos//Sketches/3892_3930.jpg

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	300V
Description	Industrial
Zone	RDD
Neighborhood	350C
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	0.78
Frontage	2973
Depth	
Assessed Value	$1,213,300
Appraised Value	$1,733,300

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
FN	FENCE	CL8	8' Chain Link	380.00 L.F.	$3,800	1
SHD	SHED	CL	Cell Shed	220.00 S.F.	$35,800	1
SHD	SHED	CL	Cell Shed	576.00 S.F.	$93,600	1
SHD	SHED	CL	Cell Shed	360.00 S.F.	$58,500	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
4000	$191,700	$1,733,300	$1,925,000
2020	$191,700	$1,733,300	$1,925,000
2019	$191,700	$1,733,300	$1,925,000

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
4000	$134,300	$1,213,300	$1,347,600
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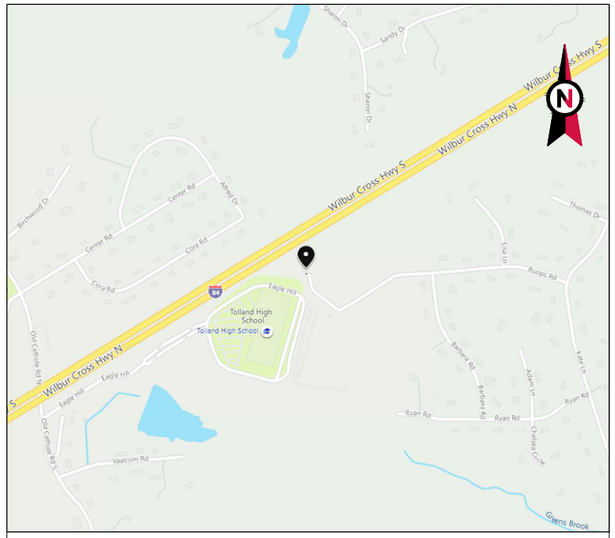

VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: TOLLAND CT
ATC SITE NUMBER: 302495
VERIZON SITE NAME: TOLLAND CT
VERIZON SITE NUMBER: 468468
SITE ADDRESS: 56 ROUPS ROAD
TOLLAND, CT 06084

LOCATION MAP

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

UTILITY COMPANIES

POWER COMPANY: CONNECTICUT LIGHT & POWER
PHONE: (800) 322-3223

TELEPHONE COMPANY: FRONTIER COMMUNICATIONS
PHONE: (800) 921-8102

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

PROJECT SUMMARY

SITE ADDRESS:

56 ROUPS ROAD

TOLLAND, CT 06084

COUNTY: TOLLAND

GEOGRAPHIC COORDINATES:

LATITUDE: 41.87333333

LONGITUDE: -72.3383

GROUND ELEVATION: 695' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS

ENGINEER:

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

PROPERTY OWNER:

TOLLAND CT
56 RUOPS ROAD
TOLLAND, CT 06084

PROJECT DESCRIPTION

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

INSTALL (3) ANTENNA(s)

EXISTING (15) ANTENNA(s), (9) RRH(s), (6) DIPLEXER(s), (2) COVP(s), (12) 1-5/8" COAX AND (2) 1-5/8" HYBRIFLEX CABLE(s) TO REMAIN

AC ELECTRICAL POWER DESIGN TO BE PERFORMED BY OTHERS

PROJECT NOTES

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

PROJECT LOCATION DIRECTIONS

FROM HARTFORD TAKE I-84 E TO EXIT 68. TURN RIGHT ONTO RT 195. AT LIGHT TURN LEFT ON RHODES RD (ABOUT .3 MILES) FOLLOW FOR 2 MILES THEN TURN LEFT ON KATE RD. FOLLOW FOR ABOUT .8 MILES AND TURN LEFT ON ROUPS RD. ACCESS ROAD IS AT THE END.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	06/29/21	MH
G-002	GENERAL NOTES	0	06/29/21	MH
C-101	DETAILED SITE PLAN	0	06/29/21	MH
C-201	TOWER ELEVATION	0	06/29/21	MH
C-401	ANTENNA INFORMATION & SCHEDULE	0	06/29/21	MH
C-501	CONSTRUCTION DETAILS	0	06/29/21	MH
E-501	GROUNDING DETAILS	0	06/29/21	MH
R-601	SUPPLEMENTAL			

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PH: (405)348-5460 FAX: (405)341-4625

COA# PEC.001833 EXP. 08/14/2021

REV.	DESCRIPTION	BY	DATE
A	PRELIM	MH	05/17/21
0	FOR CONSTRUCTION	MH	06/29/21

ATC SITE NUMBER:
302495

ATC SITE NAME:
TOLLAND CT

VERIZON SITE NAME:
TOLLAND CT

SITE ADDRESS:
56 ROUPS ROAD
TOLLAND, CT 06084

SEAL:

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

PE# 32402 EXP: 01/31/2022

verizon

DATE DRAWN:	06/29/21
ATC JOB NO:	13668819_D1
CUSTOMER ID:	TOLLAND CT
CUSTOMER #:	468468

TITLE SHEET

SHEET NUMBER: G-001

REVISION: 0

GENERAL CONSTRUCTION NOTES:

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

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

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

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

AMERICAN TOWER®

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

COA# PEC.001833 EXP. 08/14/2021

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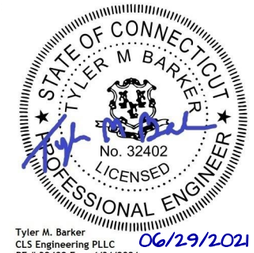

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CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
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06/29/2021

PE# 32402 EXP: 01/31/2022

verizon

DATE DRAWN:	06/29/21
ATC JOB NO:	13668819_D1
CUSTOMER ID:	TOLLAND CT
CUSTOMER #:	468468

GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	0

SITE PLAN NOTES:

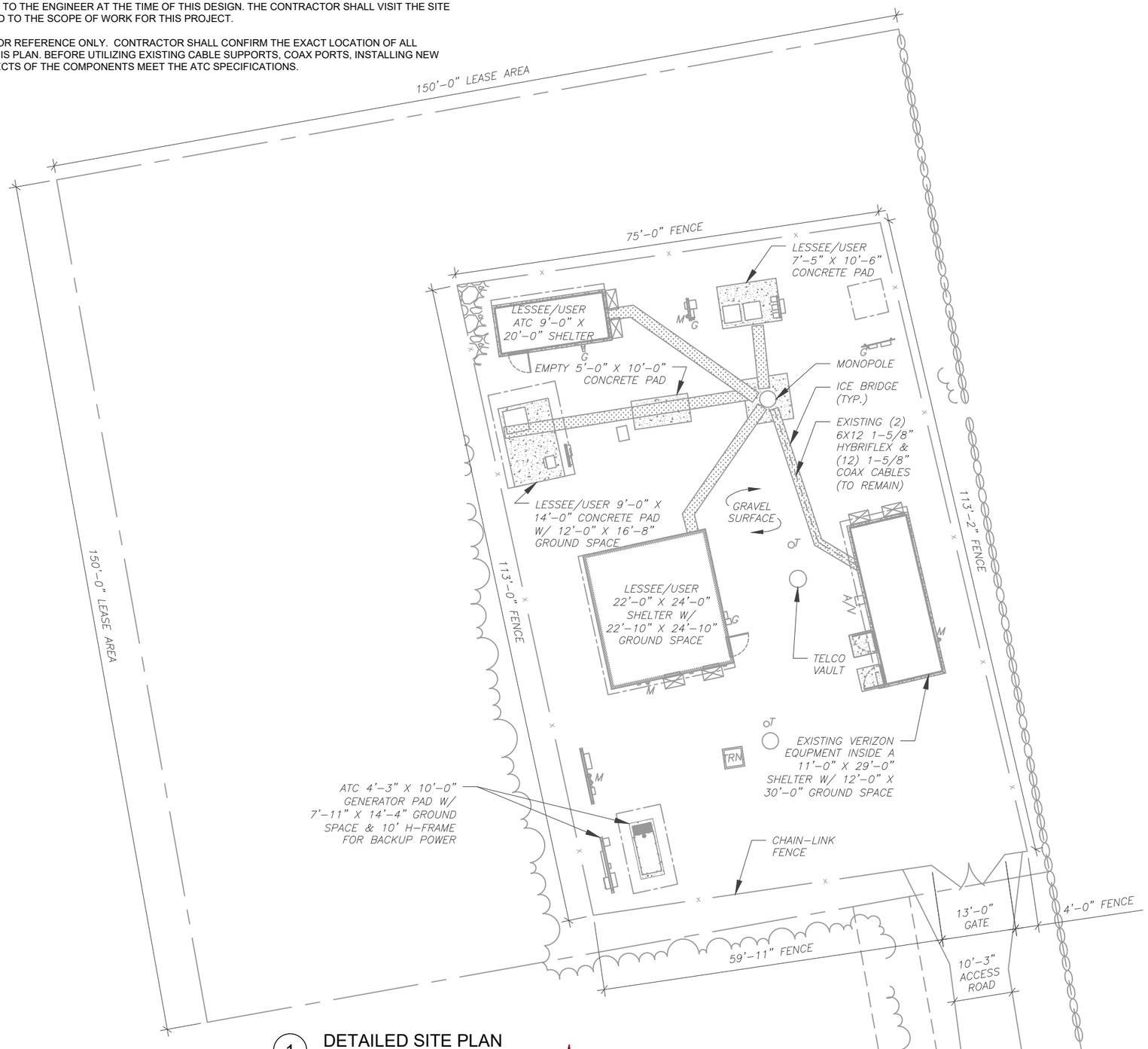
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

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

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

LEGEND

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



1 DETAILED SITE PLAN

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 UNIT = 20 FEET

N

AMERICAN TOWER®

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

COA# PEC.001833 EXP. 08/14/2021

REV.	DESCRIPTION	BY	DATE
A	PRELIM	MH	05/17/21
0	FOR CONSTRUCTION	MH	06/29/21

ATC SITE NUMBER:
302495

ATC SITE NAME:
TOLLAND CT

VERIZON SITE NAME:
TOLLAND CT

SITE ADDRESS:
56 ROUPS ROAD
TOLLAND, CT 06084

SEAL:

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

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

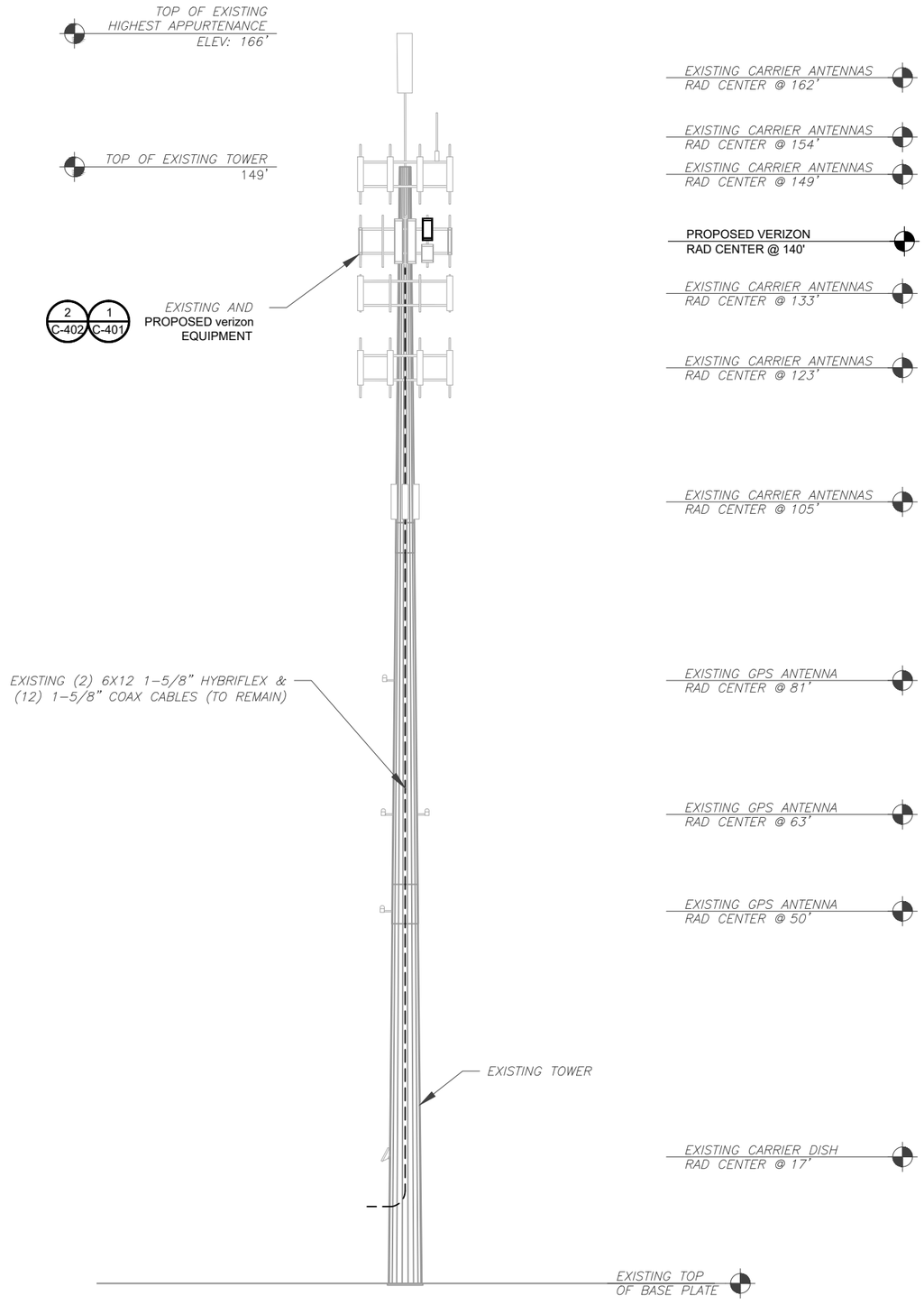
PE# 32402 EXP: 01/31/2022

verizon

DATE DRAWN:	06/29/21
ATC JOB NO:	13668819_D1
CUSTOMER ID:	TOLLAND CT
CUSTOMER #:	468468

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 MAY 19, 2021, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING

TOWER NOTE:

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

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VERIZON SITE NAME:
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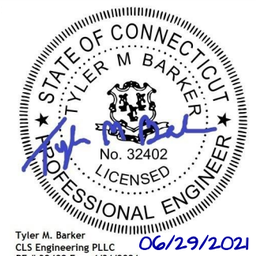
SITE ADDRESS:
56 ROUPS ROAD
TOLLAND, CT 06084

SEAL:



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

PE# 32402 EXP: 01/31/2022

verizon

DATE DRAWN:	06/29/21
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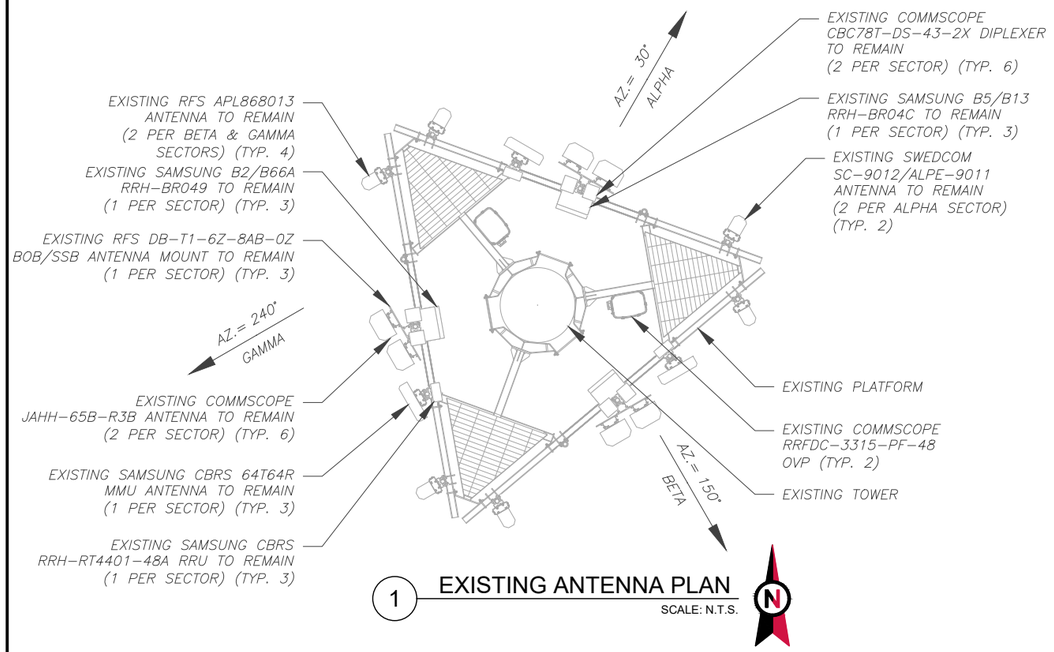
CUSTOMER ID:	TOLLAND CT
CUSTOMER #:	468468

TOWER ELEVATION

SHEET NUMBER: C-201

REVISION: 0

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

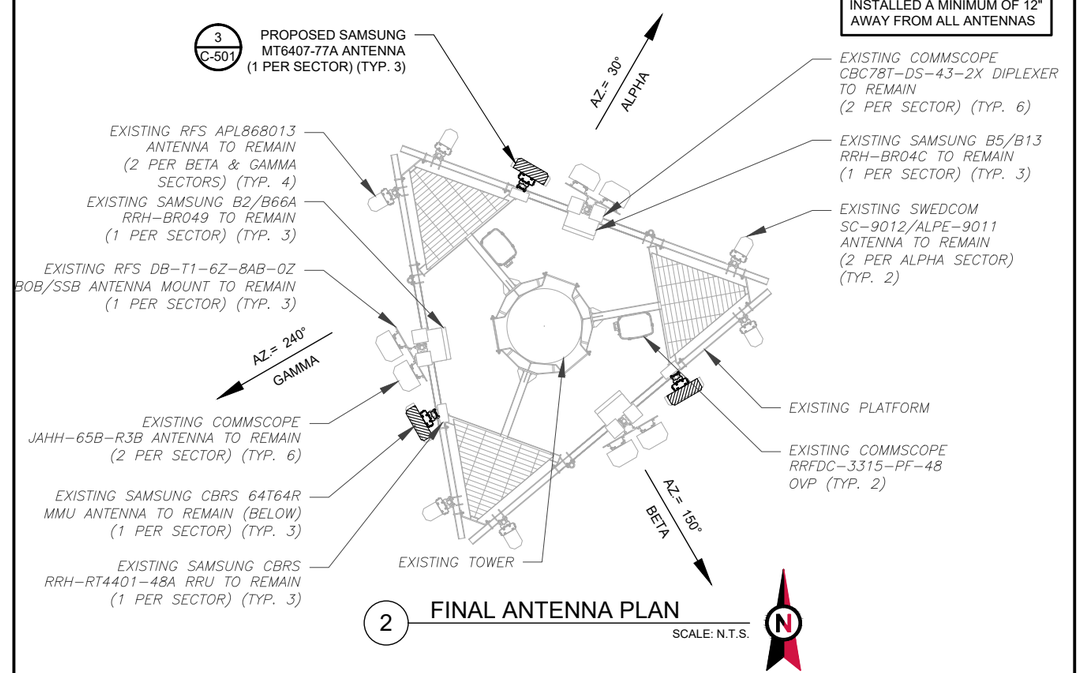


1 EXISTING ANTENNA PLAN
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING CONNECTICUT, DATED MAY 19, 2021, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING

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

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



2 FINAL ANTENNA PLAN
SCALE: N.T.S.

EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	140'	30°	A1	SWEDCOM SC 9012	CDMA 850	0/0	RMN	–	–
			A2	SAMSUNG XXDWMM 12.5–65–8T–CBRS	LTE CBRS	0/8	RMN	SAMSUNG CBRS RRH – RT4401–48A	RMN
			A3	(2) COMMSCPE JAHH–65B–R3B	LTE 700/850 LTE 1900/AWS	0/4/3	RMN	SAMSUNG B2/B66A RRH–BR049 SAMSUNG B5/B13 RRH–BR04C (2) RCOMMSCOPE CBC78T–DS–43–2X	RMN
			A4	–	–	–	–	–	–
			A5	SWEDCOM SC 9012	850 CDMA	0/0	RMN	–	–
BETA	140'	150°	B1	RFS APL868013	CDMA 850	0/0	RMN	–	–
			B2	SAMSUNG XXDWMM 12.5–65–8T–CBRS	LTE CBRS	0/8	RMN	SAMSUNG CBRS RRH – RT4401–48A	RMN
			B3	(2) COMMSCPE JAHH–65B–R3B	LTE 700/850 LTE 1900/AWS	0/4/3	RMN	SAMSUNG B2/B66A RRH–BR049 SAMSUNG B5/B13 RRH–BR04C (2) RCOMMSCOPE CBC78T–DS–43–2X	RMN
			B4	–	–	–	–	–	–
			B5	RFS APL868013	850 CDMA	0/0	RMN	–	–
GAMMA	140'	240°	C1	RFS APL868013	CDMA 850	0/0	RMN	–	–
			C2	SAMSUNG XXDWMM 12.5–65–8T–CBRS	LTE CBRS	0/8	RMN	SAMSUNG CBRS RRH – RT4401–48A	RMN
			C3	(2) COMMSCPE JAHH–65B–R3B	LTE 700/850 LTE 1900/AWS	0/1	RMN	SAMSUNG B2/B66A RRH–BR049 SAMSUNG B5/B13 RRH–BR04C (2) RCOMMSCOPE CBC78T–DS–43–2X	RMN
			C4	–	–	–	–	–	–
			C5	RFS APL868013	850 CDMA	0/0	RMN	–	–

NOTES

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

STATUS ABBREVIATIONS

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

CABLE LENGTHS FOR JUMPERS

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

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	140'	30°	A1	SWEDCOM SC 9012	CDMA 850	0/0	RMN	–	–
			A2	SAMSUNG MT6407-77A SAMSUNG XXDWMM 12.5–65–8T–CBRS	5G L-SUB 6 LTE CBRS	0/6 0/8	ADD RMN	SAMSUNG CBRS RRH – RT4401–48A	RMN
			A3	(2) COMMSCPE JAHH–65B–R3B	LTE 700/850 LTE 1900/AWS	0/4/3	RMN	SAMSUNG B2/B66A RRH–BR049 SAMSUNG B5/B13 RRH–BR04C (2) COMMSCOPE CBC78T–DS–43–2X	RMN
			A4	--	-	-	-	-	-
			A5	SWEDCOM SC 9012	850 CDMA	0/0	RMN	–	–
BETA	140'	150°	B1	RFS APL868013	CDMA 850	0/0	RMN	–	–
			B2	SAMSUNG MT6407-77A SAMSUNG XXDWMM 12.5–65–8T–CBRS	5G L-SUB 6 LTE CBRS	0/6 0/8	ADD RMN	SAMSUNG CBRS RRH – RT4401–48A	RMN
			B3	(2) COMMSCPE JAHH–65B–R3B	LTE 700/850 LTE 1900/AWS	0/4/3	RMN	SAMSUNG B2/B66A RRH–BR049 SAMSUNG B5/B13 RRH–BR04C (2) COMMSCOPE CBC78T–DS–43–2X	RMN
			B4	--	-	-	-	-	-
			B5	RFS APL868013	850 CDMA	0/0	RMN	–	–
GAMMA	140'	240°	C1	RFS APL868013	CDMA 850	0/0	RMN	–	–
			C2	SAMSUNG MT6407-77A SAMSUNG XXDWMM 12.5–65–8T–CBRS	5G L-SUB 6 LTE CBRS	0/6 0/8	ADD RMN	SAMSUNG CBRS RRH – RT4401–48A	RMN
			C3	(2) COMMSCPE JAHH–65B–R3B	LTE 700/850 LTE 1900/AWS	0/2	RMN	SAMSUNG B2/B66A RRH–BR049 SAMSUNG B5/B13 RRH–BR04C (2) COMMSCOPE CBC78T–DS–43–2X	RMN
			C4	--	-	-	-	-	-
			C5	RFS APL868013	850 CDMA	0/0	RMN	–	–

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(2) COMMSCOPE RRFDC–3315–PF–48	RMN	(12) 1–5/8"	(2) 6X12 1–5/8" HYBRIFLEX	RMN
–	–	–	–	–

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(2) COMMSCOPE RRFDC–3315–PF–48	RMN	(12) 1–5/8"	(2) 6X12 1–5/8" HYBRIFLEX	RMN
-	-	-	-	-

3 EQUIPMENT SCHEDULES

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06/29/2021

PE# 32402 EXP: 01/31/2022

verizon

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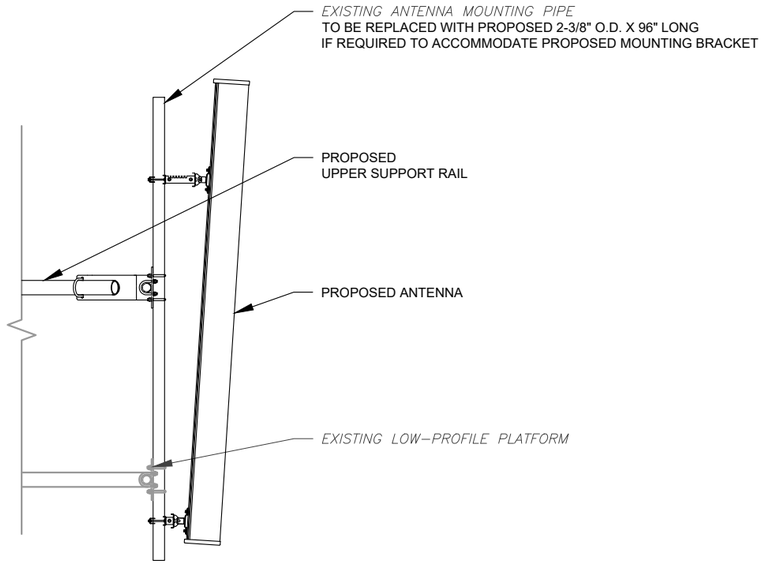
CUSTOMER ID:	TOLLAND CT
CUSTOMER #:	468468

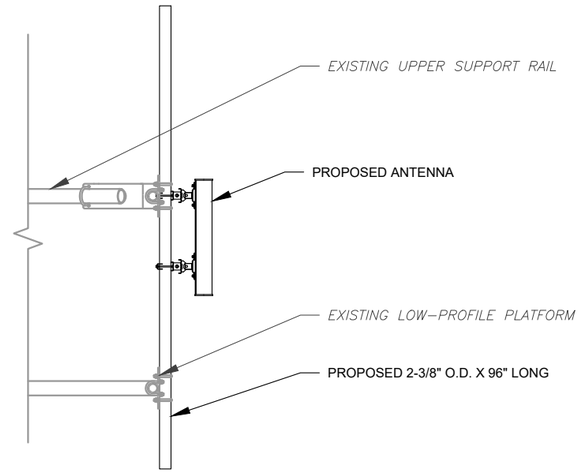
ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:	REVISION:
C-401	0



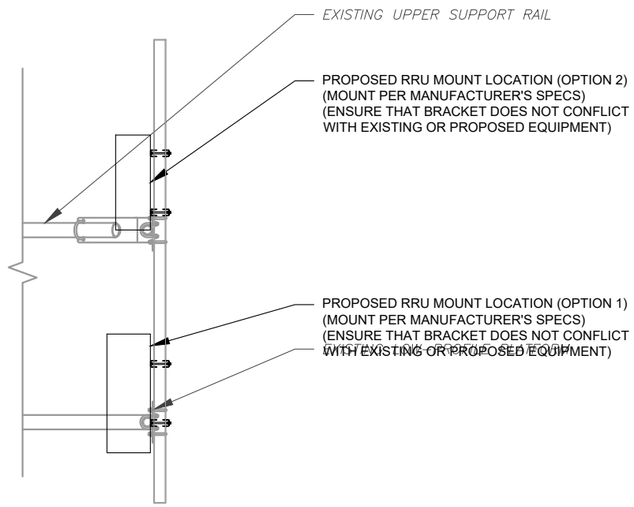
1 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



2 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.

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COA# PEC.001833 EXP. 08/14/2021

REV.	DESCRIPTION	BY	DATE
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ATC SITE NAME:
TOLLAND CT

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TOLLAND CT

SITE ADDRESS:
56 ROUPS ROAD
TOLLAND, CT 06084

SEAL:

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

PE# 32402 EXP: 01/31/2022

verizon

DATE DRAWN:	06/29/21
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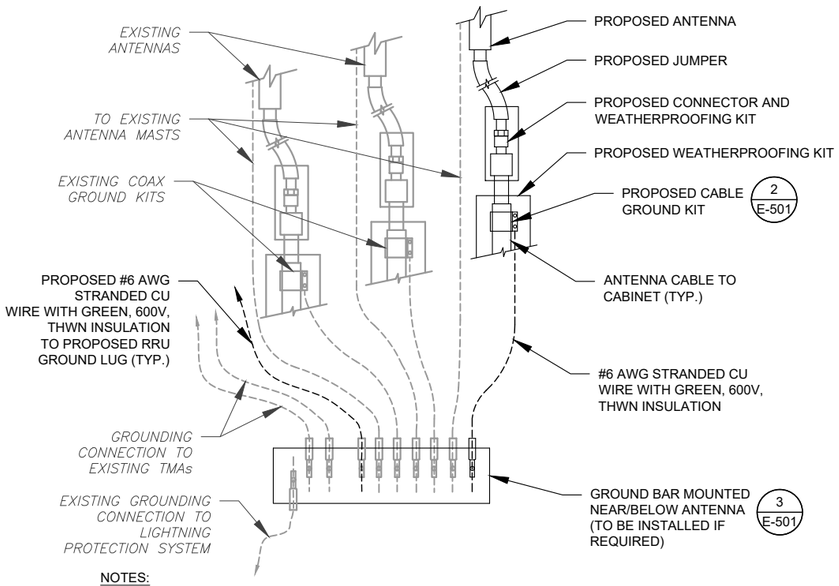
CUSTOMER ID:	TOLLAND CT
CUSTOMER #:	468468

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

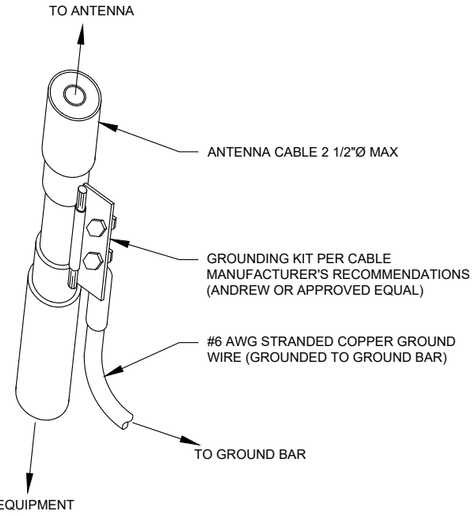


NOTES:

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

1 TYPICAL ANTENNA GROUNDING DIAGRAM

SCALE: N.T.S.

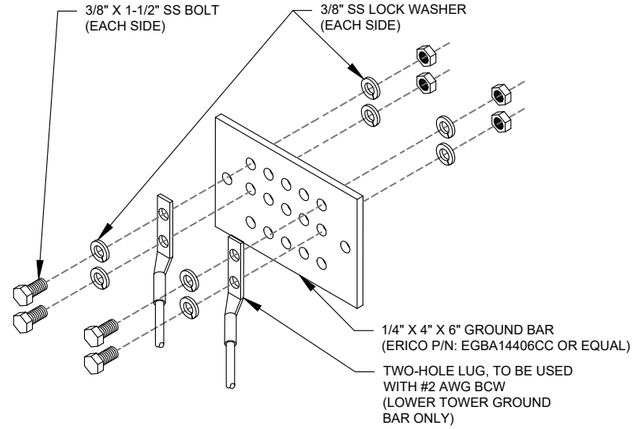


GROUND KIT NOTES:

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

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.



GROUND BAR NOTES:

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

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

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verizon

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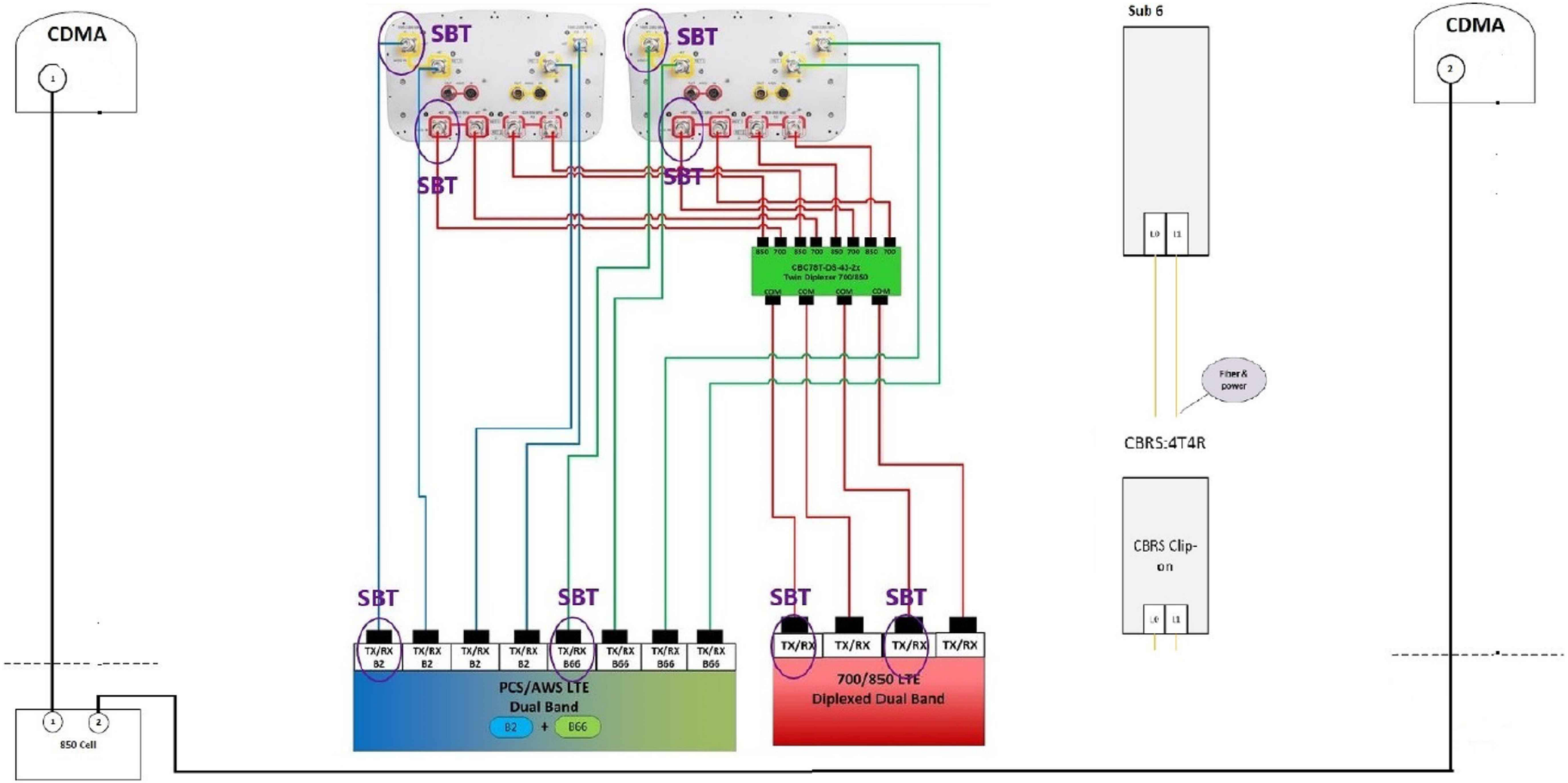
CUSTOMER ID:	TOLLAND CT
CUSTOMER #:	468468

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0



SUPPLEMENTAL

SHEET NUMBER: R-601

REVISION:

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

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10050463
Maser Consulting Connecticut Project #: 21777478A

May 19, 2021

Site Information

Site ID:	*468468-VZW / TOLLAND CT*
Site Name:	*TOLLAND CT*
Carrier Name:	*Verizon Wireless*
Address:	*5 Ruops Road* *Tolland, Connecticut 06084* *Tolland County*
Latitude:	*41.873319°*
Longitude:	*-72.338283°*

Structure Information

Tower Type:	*150-Ft Monopole*
Mount Type:	*11.00-Ft Platform*

FUZE ID # 16272063

Analysis Results

Platform: **102.6%* Acceptable**

*Capacities up to 105% are within engineering tolerances and considered acceptable.

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

Report Prepared By: Abigail Enriquez

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Bracing	*64.9%*	*Pass*
Mount Pipe	*18.1%*	*Pass*
Ladder Rungs	*1.8%*	*Pass*
Ladder	*25.6%*	*Pass*
Standoff Horizontal	*102.6%**	*Acceptable*
Corner Plate	*17.0%*	*Pass*
Support Rail	*70.6%*	*Pass*
Face Horizontal	*41.3%*	*Pass*
Connection Check	*49.3 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**102.6%***

*Capacities up to 105% are within engineering tolerances and considered acceptable.

Recommendation:

The existing mount is **SUFFICIENT** for the final loading configuration and do not require modifications.

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

Attachments:

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

SUPPLEMENTAL

SHEET NUMBER: R-602

REVISION: