



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

October 20, 2021

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

**RE: Notice of Exempt Modification // Site: ENFIELD 4 CT (ATC: 302489)
77 Town Farm Road Enfield, CT 06082
N 41.9659 // W 72.5527**

Dear Ms. Bachman,

Cellco Partnership d/b/a Verizon Wireless currently maintains twelve (12) antenna at the 130-ft level on the existing 150ft Monopole tower, located at 77 Town Farm Road Enfield, CT. The tower is owned by American Tower. The property is also owned by Town of Enfield. The Council approved Verizon Wireless use of the existing tower IN 1995. Verizon Wireless now intends to remove three (3) antenna and install three (3) new antenna for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless intends to install three (3) new Remote Radio Heads (RRHs); 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 Michael Ludwick, Mayor for Town of Enfield, its Assistant Town Planner, Jennifer Pacacha David B. Sulkis, American Tower, the tower owner, and to the ground owner, Town of Enfield.

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 September 17, 2021, by Dewberry Engineers Inc., a structural analysis dated April 27, 2021, by American Tower Corporation, and a structural mount analysis by Maser Consulting Connecticut date July 30, 2021, and radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the new antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis by American Tower Corporation, dated April 27, 2021, and a structural mount analysis by Maser Consulting Connecticut, dated July 30, 2021, pursuant to certain conditions defined therein. Design and engineering are fully illustrated within final construction drawings, signed and stamped dated September 17, 2021.

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

Sincerely,

John Coleman

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

Attachments

cc: Michael Ludwick, Mayor - as chief elected official
Ken Nelson Jr P&Z Chairman
American Tower Corporation - as tower owner
The Town of Enfield - as property owner

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CENTERLINE COMMUNICATIONS, LLC
750 WEST CENTER STREET
WEST BRIDGEWATER MA 02379

SHIP TO:
TOWN OF ENFIELD
ASSISTANT TOWN PLANNER
820 ENFIELD ST
JENNIFER PACACHA
ENFIELD CT 06082-2964

1 LBS

1 OF 1

DWT: 12,12,9

CT 060 9-01

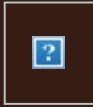
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TRACKING #: 1Z 9Y4 503 03 3662 3112

BILLING: P/P

Reference # 1: 302489
Reference # 2: Enfd - Enfield
C5'22.0.18. WNTNV50 43.0A 10/2021*

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Number of Packages:	1
UPS Service:	UPS Ground
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Reference Number:	ENFD - ENFIELD



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WEST BRIDGEWATER MA 02379

SHIP TO:
TOWN OF ENFIELD
820 ENFIELD ST
ENFIELD CT 06082-2964

1 LBS
DWT: 12,12.9

1 OF 1

CT 060 9-01

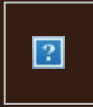
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C522.0.18. WNTNV50 43.0A 10/2021*

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AN APPLICATION SUBMITTED BY THE SOUTHERN : CONNECTICUT SITING
NEW ENGLAND TELEPHONE COMPANY FOR A
CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY :
AND PUBLIC NEED FOR THE CONSTRUCTION, : COUNCIL
MAINTENANCE, AND OPERATION OF FACILITIES
TO PROVIDE CELLULAR SERVICE IN HARTFORD :
AND MIDDLESEX COUNTIES. : September 26, 1985

D E C I S I O N A N D O R D E R

Pursuant to the foregoing opinion, the Council hereby directs that a certificate of environmental compatibility and public need as required by section 16-50k of the General Statutes of Connecticut be issued to Southern New England Telephone Company (SNET) for the construction, operation, and maintenance of a telecommunications tower and associated equipment building to provide cellular service at sites in Old Saybrook and Enfield, Connecticut.

The facilities shall be constructed, operated, and maintained as specified in this matter, and subject to the following conditions:

1. The towers shall be no taller than necessary to provide the proposed service, and in no event shall exceed
 - a) 150' at the Old Saybrook site; and
 - b) 150' at the Enfield site;
2. A fence not lower than eight feet shall surround each tower and its associated equipment building;
3. The applicant or its successor shall notify the Council if and when directional antennas or any other equipment is added to any of these facilities;
4. The applicant or its successor shall permit, in accordance with representations made by it during the proceeding, public or private entities to share space on the facilities, for due

consideration received, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing;

5. The facilities shall be constructed in accordance with all applicable federal, state, and municipal laws and regulations;
6. The applicant shall submit a development and management plan (D&M) for the Old Saybrook site pursuant to sections 16-50j-75 through 16-50j-77 of the regulations of state agencies, except that irrelevant items in section 16-50j-76 need only be identified as such. The D&M plan shall include erosion control measures, reseeding plans, and tree removal plans. The applicant shall comply with the reporting requirements of section 16-50j-77 for both sites;
7. Construction activities shall take place during daylight working hours;
8. This decision and order shall be void and the towers and associated equipment approved herein shall be dismantled and removed, or reapplication for any new use shall be made to the Connecticut Siting Council before any such new use is made, if the towers do not provide or permanently cease to provide cellular service following completion of construction;
9. This decision and order shall be void if all construction authorized is not completed within three years of the issuance of this decision.

Pursuant to section 16-50p of the General Statutes, we hereby direct that a copy of the opinion and decision and order be served on each person listed below. A notice of the issuance shall be published in the

Hartford Courant, the Middletown Press, and the Old Saybrook Pictorial.

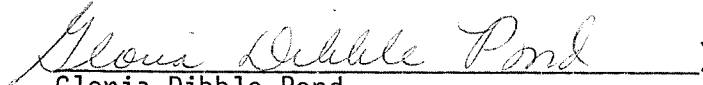
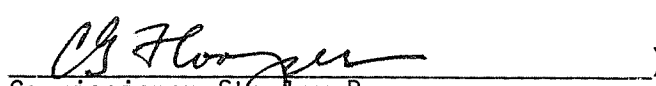
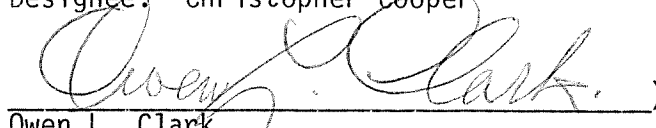
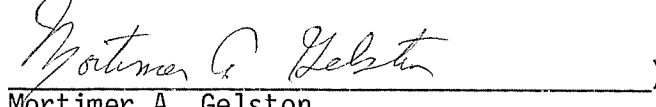
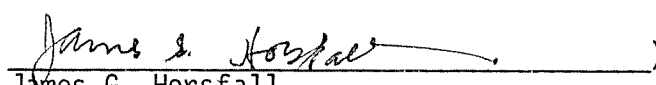
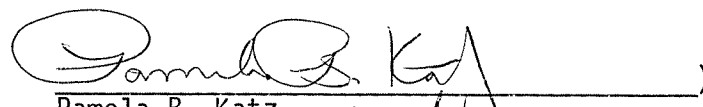
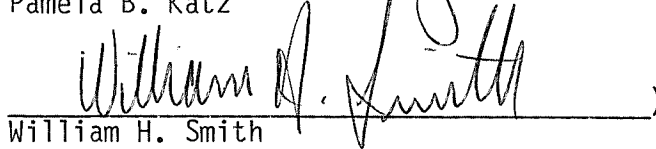
The parties to this proceeding are

Southern New England Telephone Company	(Applicant)
227 Church Street	
New Haven, Connecticut 06506	
Attn: Peter J. Tyrrell	
Senior Attorney	
Room 314	

C E R T I F I C A T I O N

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut, this 26th day of September, 1985.

<u>Council Members</u>	<u>Vote Cast</u>
 Gloria Dibble Pond Chairperson	Yes
 Commissioner John Downey Designee: Commissioner Peter G. Boucher	Absent
 Commissioner Stanley Pac Designee: Christopher Cooper	Yes
 Owen L. Clark	Yes
 Mortimer A. Gelston	Yes
 James G. Horsfall	Yes
 Pamela B. Katz	Yes
 William H. Smith	Yes
 Colin C. Tait	Absent

STATE OF CONNECTICUT

)

:

COUNTY OF HARTFORD

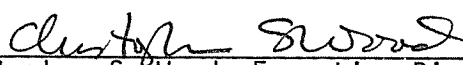
)

ss.

New Britain, September 26, 1985

I hereby certify that the foregoing is a true and correct copy of the decision and order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:



Christopher S. Wood, Executive Director
Connecticut Siting Council



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 150 ft Monopole
ATC Site Name : Enfd - Enfield, CT
ATC Asset Number : 302489
Engineering Number : 13669399_C3_01
Proposed Carrier : VERIZON WIRELESS
Carrier Site Name : ENFIELD IV CT
Carrier Site Number : 535791
Site Location : 77 Town Farm Road
Enfield, CT 06082-5152
41.965900,-72.552700
County : Hartford
Date : April 27, 2021
Max Usage : 97%
Result : Pass



Prepared By:
Josh Krehnbrink
Structural Engineer

Reviewed By:

COA: PEC.0001553



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Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 150 ft monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	Smith Cullum Acquisition #CT-0025, dated May 14, 2001 ITT Meyer Specification #AT-8935, Type B, dated April 13, 1984
Foundation Drawing	Southern New England Telephone, dated June 6, 1985
Geotechnical Report	MB & A Project #011107, dated June 16, 2001
Modifications	ATC Job #40071639, dated December 6, 2007 ATC Job #48982632, dated April 25, 2012 ATC Job #613768312, dated February 2, 2016
Mount Analysis	Infinigy Job #1009-Z003-B, dated March 19, 2020

Analysis

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

Basic Wind Speed:	116 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:	C
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Spectral Response:	$S_s = 0.17$, $S_1 = 0.05$
Site Class:	D - Stiff Soil

Conclusion

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

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

Existing and Reserved Equipment

Elev. ¹ (ft)	Qty	Antenna	Mount Type	Lines	Carrier
162.0	1	Decibel DB809KE-SY	Stand-Off	(1) 1 5/8" Coax	SPOK HOLDINGS, INC.
154.0	3	Kaelus DBC0061F1V51-2	Triangular Platform with Handrails	(4) 0.78" (19.7mm) 8 AWG 6 (11) 1 5/8" Coax (1) 2" conduit (2) 3" conduit	AT&T MOBILITY
	3	Powerwave Allgon LGP21401			
	3	Ericsson RRUS A2 B2			
	3	Ericsson RRUS 11 (Band 12) (55 lb)			
	2	Raycap DC6-48-60-18-8F ("Squid")			
	3	Ericsson RRUS 32 B30			
	3	Powerwave Allgon 7770.00			
	3	Ericsson Radio 8843			
	3	Ericsson RRUS-11 (19.7")			
	3	Ericsson RRUS-12 B2			
152.0	2	Diamond X50A	Stand-Off	(2) 1/2" Coax	ENERTRAC, INC.
151.0	3	CCI TPA-65R-LCUUUU-H8	Triangular Platform with Handrails	(2) 0.39" (10mm) Fiber Trunk (1) 3" conduit	AT&T MOBILITY
	3	CCI OPA-65R-LCUU-H8			
140.0	3	Ericsson AIR 21, 1.3M, B4A B2P	Triangular Platform with Handrails	(1) 1 1/4" Hybriflex Cable (12) 1 5/8" Coax	T-MOBILE
	3	Andrew LNX-6515DS-VTM			
	3	Ericsson AIR 21, 1.3 M, B2A B4P			
	3	Ericsson RRUS-11 (50 lbs.)			
	3	Ericsson KRY 112 144/1			
130.0	3	Commscope NHHSS-65C-R2B	Triangular Low Profile Platform	(6) 1 5/8" Coax (2) 1 5/8" Hybriflex	VERIZON WIRELESS
	1	Raycap RCMD-6627-PF-48			
	3	Samsung Outdoor CBRS 20W RRH			
	3	Samsung B5/B13 RRH-BR04C			
	3	Samsung B2/B66A RRH-BR049			
	3	Amphenol Antel BXA-80080-6CF-EDIN-X			
	3	Commscope NHH-65B-R2B			
120.0	3	Generic 76" x 6" Panel	Flush	(6) 1 5/8" Coax	METRO PCS INC
111.0	3	Alcatel-Lucent 1900MHz RRH (65MHz) w/ solar shield	Side Arm	(4) 1 1/4" Hybriflex Cable (4) 1/2" Coax (2) 2" conduit	CLEARWIRE CORPORATION
	2	DragonWave A-ANT-11G-2-C			
	3	RFS APXVTM14-ALU-I20			
	2	DragonWave Horizon Compact			
	6	Alcatel-Lucent RRH2x50-08			
	3	Nokia FZHN Flexi RRH 8TR 2600 9*20W			
	3	Commscope NNVV-65B-R4			
108.0	1	Generic 24" x 24" Junction Box			
64.0	1	Channel Master Type 120	Side Arm	(1) 0.28" (7mm) RG-6	SPOK HOLDINGS, INC.

**Equipment to be Removed**

Elev. ¹ (ft)	Qty	Antenna	Mount Type	Lines	Carrier
130.0	3	Antel BXA-70063/4CF	-	(6) 1 5/8" Coax	VERIZON WIRELESS

Proposed Equipment

Elev. ¹ (ft)	Qty	Antenna	Mount Type	Lines	Carrier
130.0	3	Samsung MT6407-77A	Triangular Low Profile Platform	-	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	68%	Pass
Shaft	92%	Pass
Base Plate	47%	Pass
Reinforcement	89%	Pass
Flanges	47%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	3,385.8	78%
Axial (Kips)	75.5	85%
Shear (Kips)	30.1	97%

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) (°)
130.0	Samsung MT6407-77A	VERIZON WIRELESS	1.679	1.621
111.0	DragonWave A-ANT-11G-2-C	CLEARWIRE CORPORATION	1.197	1.343
64.0	Channel Master Type 120	SPOK HOLDINGS, INC.	0.376	0.655

*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:

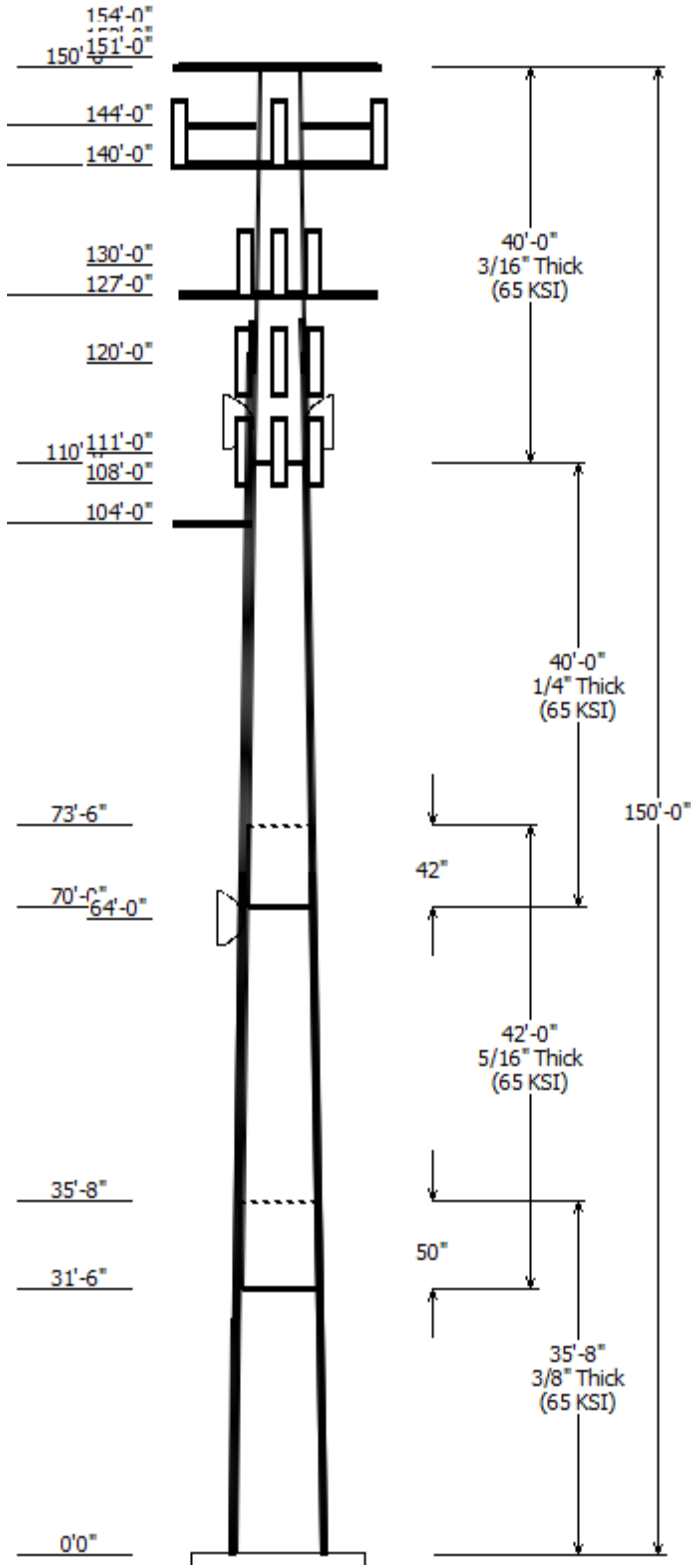
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

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 : 302489

Code: ANSI/TIA-222-H

Location : Enfd - Enfield, CT

Description :

Risk Category : II

Shape : 12 Sides

Exposure : C

Height : 150.00 (ft)

Topo Method : Method 1

Base Elev (ft): 0.00

Topographic Category : 1

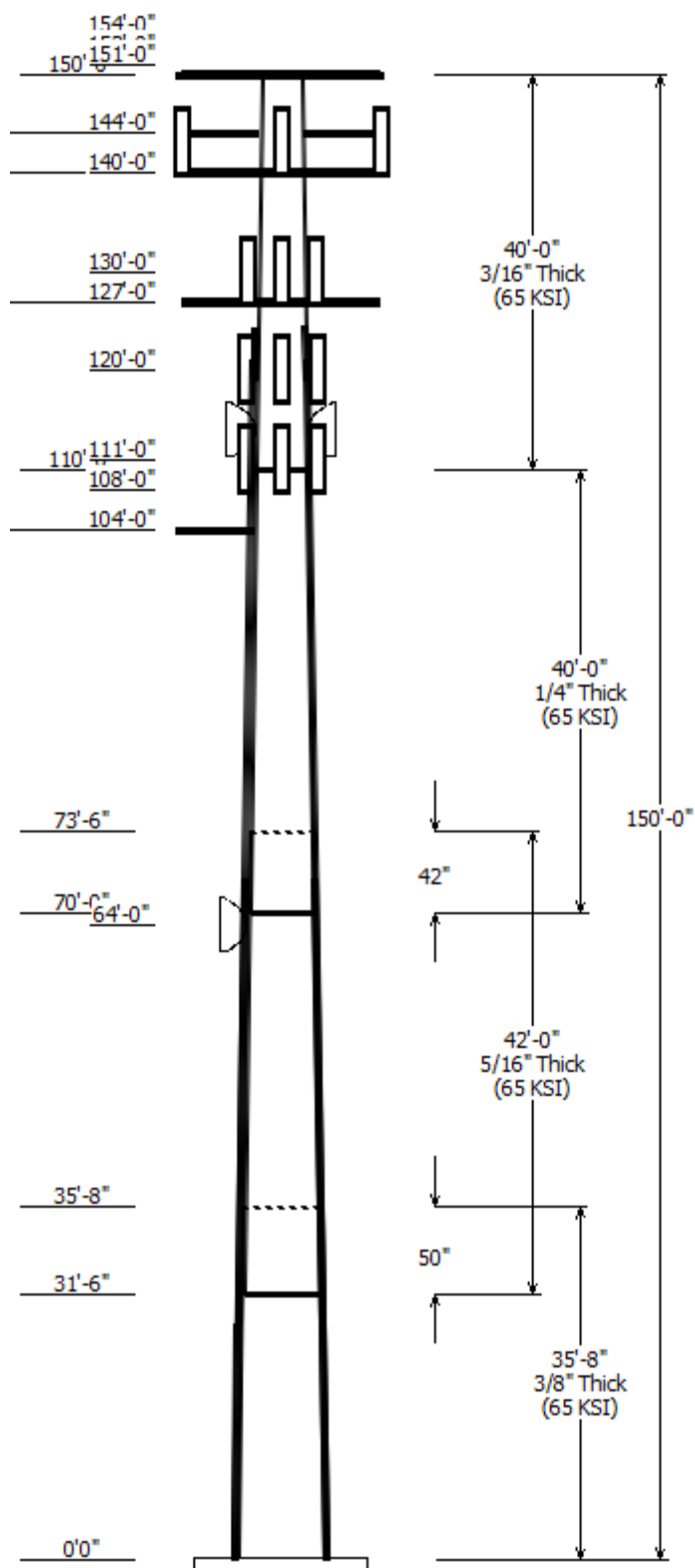
Taper: 0.15670@in/ft)

Sections Properties

Section	Length (ft)	Diameter (in)		Thick (in)	Joint Type	Overlap Length (in)	Steel Grade
		Top	Bottom				
1	35.667	31.79	37.38	0.375		0.000	12 Sides 65
2	42.000	26.48	33.06	0.313	Slip Joint	50.000	12 Sides 65
3	40.000	21.26	27.53	0.250	Slip Joint	42.000	12 Sides 65
4	40.000	15.00	21.26	0.188	Butt Joint	0.000	12 Sides 65

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
162.000	162.000	1	Decibel DB809KE-SY
154.000	154.000	3	Powerwave Allgon 7770.00
154.000	154.000	3	Ericsson RRUS-12 B2
154.000	154.000	3	Ericsson RRUS-11 (19.7")
154.000	154.000	3	Ericsson RRUS 32 B30
154.000	154.000	3	Ericsson Radio 8843
154.000	154.000	3	Ericsson RRUS 11 (Band 12) (55
154.000	154.000	3	Ericsson RRUS A2 B2
154.000	154.000	3	Powerwave Allgon LGP21401
154.000	154.000	3	Kaelus DBC0061F1V51-2
154.000	154.000	2	Raycap DC6-48-60-18-8F
152.000	152.000	2	Diamond X50A
151.000	151.000	3	CCI TPA-65R-LCUUUU-H8
151.000	151.000	3	CCI OPA-65R-LCUU-H8
150.000	150.000	3	Round Side Arm
150.000	150.000	1	Platform w/ Handrails
144.000	144.000	2	Stand-Off
140.000	142.000	3	Andrew LNX-6515DS-VTM
140.000	142.000	3	Ericsson AIR 21, 1.3M, B4A B2P
140.000	142.000	3	Ericsson AIR 21, 1.3 M, B2A B4
140.000	142.000	3	Ericsson RRUS-11 (50 lbs.)
140.000	142.000	3	Ericsson KRY 112 144/1
140.000	140.000	1	Platform w/ Handrails
130.000	130.000	3	Commscope NHHSS-65C-R2B
130.000	130.000	3	Commscope NHH-65B-R2B
130.000	130.000	3	Amphenol Antel BXA-80080-
130.000	130.000	3	Samsung MT6407-77A
130.000	130.000	3	Samsung B2/B66A RRH-BR049
130.000	130.000	3	Samsung B5/B13 RRH-BR04C
130.000	130.000	3	Samsung Outdoor CBRS 20W
130.000	130.000	1	Raycap RCMD-6627-PF-48
127.000	127.000	1	Round Low Profile Platform
120.000	120.000	3	Generic 76" x 6" Panel
111.000	111.000	3	Commscope NNVV-65B-R4
111.000	111.000	3	RFS APXVTM14-ALU-I20
111.000	112.000	2	DragonWave A-ANT-11G-2-C
111.000	111.000	3	Alcatel-Lucent 1900MHz RRH
111.000	111.000	3	Nokia FZHN Flexi RRH 8TR 2600
111.000	111.000	6	Alcatel-Lucent RRH2x50-08
111.000	112.000	2	DragonWave Horizon Compact
108.000	112.000	1	Generic 24" x 24" Junction Box
104.000	104.000	1	Side Arms
64.000	64.000	1	Channel Master Type 120



Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
From	To		
140.0	150.0	1 5/8" Coax	Yes
140.0	151.0	0.39" (10mm)	Yes
114.0	129.0	#20 Dywidag bars	Yes
114.0	129.0	#20 Dywidag bars	Yes
114.0	129.0	#20 Dywidag bars	Yes
114.0	129.0	#20 Dywidag bars	Yes
31.000	76.700	#20 Dywidag bars	Yes
31.000	76.700	#20 Dywidag bars	Yes
31.000	76.700	#20 Dywidag bars	Yes
31.000	76.700	#20 Dywidag bars	Yes
10.000	108.0	2" conduit	Yes
10.000	130.0	1 5/8" Coax	Yes
10.000	130.0	1 5/8" Hybriflex	Yes
10.000	111.0	1 1/4" Hybriflex	Yes
10.000	140.0	1 5/8" Coax	No
10.000	150.0	1 5/8" Coax	No
10.000	154.0	0.78" (19.7mm) 8	No
10.000	154.0	2" conduit	No
0.000	162.0	1 5/8" Coax	No
0.000	151.0	3" conduit	No
0.000	152.0	1/2" Coax	No
0.000	154.0	1 5/8" Coax	No
0.000	154.0	3" conduit	No
0.000	120.0	1 5/8" Coax	No
0.000	125.0	#20 Dywidag bars	Yes
0.000	125.0	#20 Dywidag bars	Yes
0.000	125.0	#20 Dywidag bars	Yes
0.000	125.0	#20 Dywidag bars	Yes
0.000	140.0	1 1/4" Hybriflex	No
0.000	111.0	1/2" Coax	No
0.000	31.000	#20 Dywidag bars	Yes
0.000	31.000	#20 Dywidag bars	Yes
0.000	31.000	#20 Dywidag bars	Yes
0.000	31.000	#20 Dywidag bars	Yes
0.000	64.000	0.28" (7mm) RG-6	No

Load Cases	
1.2D + 1.0W	116 mph with No Ice
0.9D + 1.0W	116 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	3385.80	30.09	75.49
0.9D + 1.0W	3321.55	30.05	56.60
1.2D + 1.0Di + 1.0Wi	1208.36	11.39	107.62
1.2D + 1.0Ev + 1.0Eh	235.79	1.90	75.06
0.9D - 1.0Ev + 1.0Eh	230.43	1.90	52.35
1.0D + 1.0W	801.66	7.20	62.95

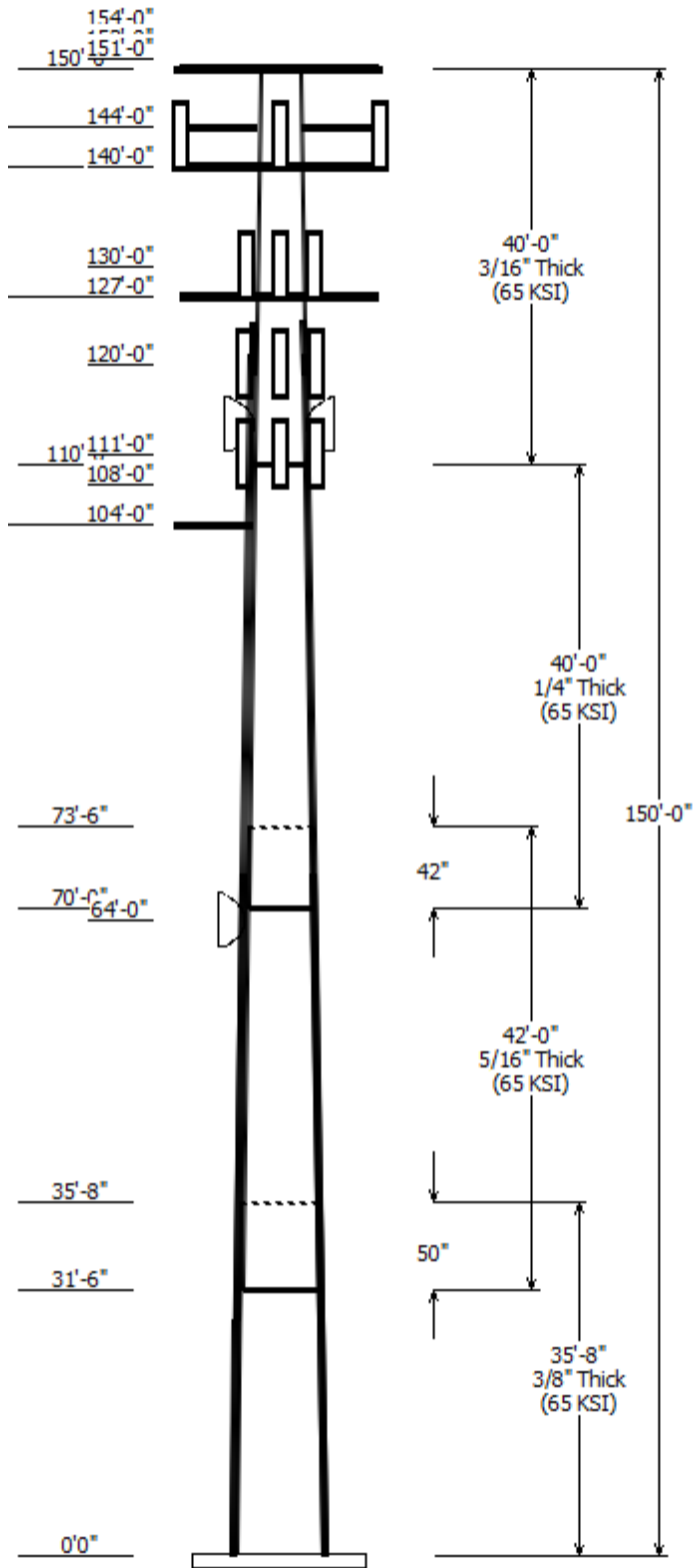
Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)

1.0D + 1.0W
1.0D + 1.0W

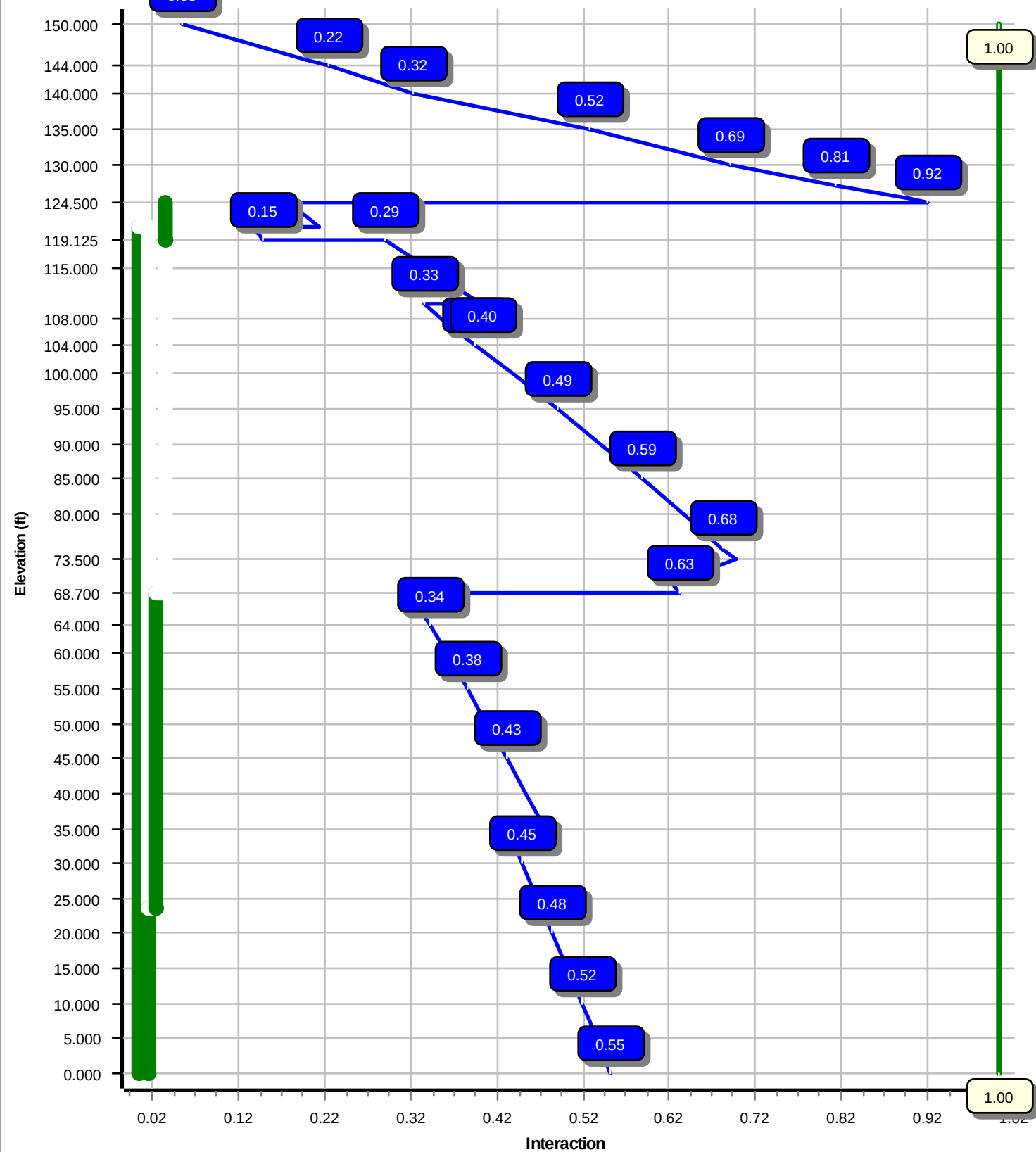
64.00
111.00

4.506
14.369

0.655
1.343



Load Case : 1.2D + 1.0W
Max Ratio 91.70% at 124.5 ft



Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

4/30/2021 8:37:14 AM

Customer: VERIZON WIRELESS

Analysis Parameters

Location :	Hartford County, CT	Height (ft) :	150
Code :	ANSI/TIA-222-H	Base Diameter (in) :	37.38
Shape :	12 Sides	Top Diameter (in) :	15.00
Pole Type :	Taper	Taper (in/ft) :	0.157
Pole Manufacturer :	ITT Meyer	Rotation (deg) :	0.00
Kd (non-service) :	0.95	Ke :	0.99

Ice & Wind Parameters

Exposure Category:	C	Design Wind Speed Without Ice:	116 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:	159.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method		
Site Class:	D - Stiff Soil		
Period Based on Rayleigh Method (sec):	2.90		
T_L (sec):	6	p:	1
S_s :	0.174	S_1 :	0.055
F_a :	1.600	F_v :	2.400
S_{ds} :	0.186	S_{d1} :	0.088
		C_s :	0.030
		C_s Max:	0.030
		C_s Min:	0.030

Load Cases

1.2D + 1.0W	116 mph with No Ice
0.9D + 1.0W	116 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.50 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

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Customer: VERIZON WIRELESS

Shaft Section Properties

Slip							Bottom				Top								
Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Joint Len (in)	Weight (lb)	Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Taper (in/ft)
1-12	35.667	0.3750	65		0.00	5,014	37.38	0.00	44.68	7810.1	24.03	99.68	31.79	35.67	37.93	4778.9	20.04	84.78	0.156700
2-12	42.000	0.3125	65	Slip	50.00	4,237	33.06	31.50	32.96	4514.2	25.68	105.82	26.48	73.50	26.34	2303.3	20.03	84.76	0.156700
3-12	40.000	0.2500	65	Slip	42.00	2,646	27.53	70.00	21.97	2087.4	26.83	110.14	21.26	110.00	16.92	954.0	20.12	85.07	0.156700
4-12	40.000	0.1875	65	Butt	0.00	1,475	21.26	110.00	12.73	721.9	27.71	113.43	15.00	150.00	8.94	250.5	18.76	80.00	0.156700
Shaft Weight						13,372													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	Weight (lb)	No Ice EPAa (sf)	Orientation Factor	Weight (lb)	Ice EPAa (sf)	Orientation Factor
162.00	Decibel DB809KE-SY	1	1.00	0.000	26.00	3.400	0.90	111.85	7.466	0.90
154.00	Kaelus DBC0061F1V51-2	3	0.75	0.000	25.50	0.433	0.50	43.98	0.883	0.50
154.00	Powerwave Allgon LGP21401	3	0.75	0.000	14.10	1.104	0.50	39.06	1.818	0.50
154.00	Raycap DC6-48-60-18-8F	2	0.75	0.000	31.80	1.470	0.67	93.52	2.169	0.67
154.00	Ericsson RRUS A2 B2	3	0.75	0.000	22.00	2.064	0.50	66.11	3.008	0.50
154.00	Ericsson RRUS 11 (Band 12) (55	3	0.75	0.000	55.00	2.522	0.50	122.31	3.563	0.50
154.00	Ericsson RRUS 32 B30	3	0.75	0.000	60.00	2.743	0.50	133.59	3.913	0.50
154.00	Ericsson RRUS-11 (19.7")	3	0.75	0.000	51.00	2.791	0.50	127.13	3.886	0.50
154.00	Ericsson RRUS-12 B2	3	0.75	0.000	58.00	3.145	0.50	138.92	4.304	0.50
154.00	Ericsson Radio 8843	3	0.75	0.000	85.00	3.500	0.50	187.07	4.778	0.50
154.00	Powerwave Allgon 7770.00	3	0.75	0.000	35.00	5.508	0.65	169.89	6.563	0.65
152.00	Diamond X50A	2	1.00	0.000	2.30	1.120	0.90	3.75	2.909	0.90
151.00	CCI OPA-65R-LCUU-H8	3	0.75	0.000	88.00	12.976	0.67	345.09	16.557	0.67
151.00	CCI TPA-65R-LCUUUU-H8	3	0.75	0.000	81.60	13.298	0.69	358.49	17.033	0.69
150.00	Round Side Arm	3	0.75	0.000	150.00	5.200	0.67	223.18	7.918	0.67
150.00	Platform w/ Handrails	1	1.00	0.000	2,000.00	25.000	1.00	3,421.70	37.370	1.00
144.00	Stand-Off	2	0.90	0.000	75.00	2.500	0.90	111.45	3.472	0.90
140.00	Ericsson KRY 112 144/1	3	0.75	2.000	11.00	0.351	0.50	21.69	0.754	0.50
140.00	Ericsson RRUS-11 (50 lbs.)	3	0.75	2.000	50.00	2.566	0.50	117.72	3.607	0.50
140.00	Ericsson AIR 21, 1.3 M, B2A B4P	3	0.75	2.000	83.00	6.049	0.50	227.98	8.196	0.50
140.00	Ericsson AIR 21, 1.3M, B4A B2P	3	0.75	2.000	81.50	6.092	0.70	225.94	8.242	0.70
140.00	Andrew LNX-6515DS-VTM	3	0.75	2.000	51.30	11.430	0.70	279.01	14.649	0.70
140.00	Platform w/ Handrails	1	1.00	0.000	2,000.00	30.000	1.00	3,411.76	44.740	1.00
130.00	Samsung Outdoor CBRS 20W	3	0.80	0.000	18.60	0.857	0.50	42.28	1.476	0.50
130.00	Samsung B5/B13 RRH-BR04C	3	0.80	0.000	70.30	1.875	0.50	126.74	2.766	0.50
130.00	Samsung B2/B66A RRH-BR049	3	0.80	0.000	84.40	1.875	0.50	147.35	2.766	0.50
130.00	Raycap RCMDC-6627-PF-48	1	0.80	0.000	32.00	4.056	1.00	157.40	5.403	1.00
130.00	Samsung MT6407-77A	3	0.80	0.000	81.60	4.709	0.61	182.17	6.208	0.61
130.00	Amphenol Antel BXA-80080-6CF-	3	0.80	0.000	18.00	5.760	0.73	142.74	8.096	0.73
130.00	Commscope NHH-65B-R2B	3	0.80	0.000	43.70	8.079	0.69	215.73	10.828	0.69
130.00	Commscope NHHSS-65C-R2B	3	0.80	0.000	56.00	11.350	0.70	281.18	14.533	0.70
127.00	Round Low Profile Platform	1	1.00	0.000	1,350.00	20.000	1.00	1,924.20	37.425	1.00
120.00	Generic 76" x 6" Panel	3	0.80	0.000	40.00	5.030	0.69	127.13	7.443	0.69
111.00	DragonWave Horizon Compact	2	0.80	1.000	10.60	0.721	0.50	32.45	1.274	0.50
111.00	Alcatel-Lucent RRH2x50-08	6	0.80	0.000	52.90	1.701	0.50	110.49	2.539	0.50
111.00	Nokia FZHN Flexi RRH 8TR 2600	3	0.80	0.000	44.10	2.020	0.50	91.67	2.928	0.50
111.00	Alcatel-Lucent 1900MHz RRH	3	0.80	0.000	60.00	2.583	0.50	149.62	3.666	0.50
111.00	DragonWave A-ANT-11G-2-C	2	1.00	1.000	27.00	4.688	0.90	121.71	5.926	0.90
111.00	RFS APXVTM14-ALU-I20	3	0.80	0.000	56.20	6.342	0.66	190.03	8.459	0.66
111.00	Commscope NNVV-65B-R4	3	0.80	0.000	77.40	12.271	0.64	321.61	14.996	0.64
108.00	Generic 24" x 24" Junction Box	1	0.80	4.000	20.00	4.800	0.50	131.17	6.176	0.50
104.00	Side Arms	1	1.00	0.000	560.00	8.500	1.00	1,011.37	15.351	1.00
64.00	Channel Master Type 120	1	1.00	0.000	126.00	20.190	1.00	314.66	22.951	1.00
Totals	Num Loadings:43	111			11,681.70			26,409.02		

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

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Customer: VERIZON WIRELESS

Linear Appurtenance Properties

Load Case Azimuth (deg) : 0

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Max Coax / Flat Row	Dist Between Rows (in)	Dist Between Cols (in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	162.00	1	1 5/8" Coax	1.98	0.82	N 0	0.00	0.00	0	0.00	N	SPOK HOLDINGS,
0.00	154.00	11	1 5/8" Coax	1.98	0.82	N 0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	154.00	2	3" conduit	3.50	7.58	N 0	0.00	0.00	0	0.00	N	AT&T MOBILITY
10.00	154.00	4	0.78" (19.7mm) 8 AWG	0.78	0.59	N 0	0.00	0.00	0	0.00	N	AT&T MOBILITY
10.00	154.00	1	2" conduit	2.38	3.65	N 0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	152.00	2	1/2" Coax	0.63	0.15	N 0	0.00	0.00	0	0.00	N	ENERTRAC, INC.
0.00	151.00	1	3" conduit	3.50	7.58	N 0	0.00	0.00	0	0.00	N	AT&T MOBILITY
140.00	151.00	2	0.39" (10mm) Fiber	0.39	0.06	N 2	0.00	0.00	230	0.00	Y	AT&T MOBILITY
10.00	150.00	3	1 5/8" Coax	1.98	0.82	N 0	0.00	0.00	0	0.00	N	AT&T MOBILITY
140.00	150.00	8	1 5/8" Coax	1.98	0.82	N 4	0.00	0.00	210	0.00	Y	AT&T MOBILITY
0.00	140.00	1	1 1/4" Hybriflex Cable	1.54	1.00	N 0	0.00	0.00	0	0.00	N	T-MOBILE
10.00	140.00	12	1 5/8" Coax	1.98	0.82	N 0	0.00	0.00	0	0.00	N	T-MOBILE
10.00	130.00	6	1 5/8" Coax	1.98	0.82	N 6	0.00	0.00	45	0.00	Y	VERIZON WIRELESS
10.00	130.00	2	1 5/8" Hybriflex	1.98	1.30	N 2	0.00	0.00	60	0.00	Y	VERIZON WIRELESS
114.00	129.00	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	270	8.28	Y	
114.00	129.00	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	180	8.28	Y	
114.00	129.00	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	90	8.28	Y	
114.00	129.00	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	0	8.28	Y	
0.00	125.00	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	23	8.28	Y	
0.00	125.00	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	113	8.28	Y	
0.00	125.00	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	293	8.28	Y	
0.00	125.00	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	203	8.28	Y	
0.00	120.00	6	1 5/8" Coax	1.98	0.82	N 0	0.00	0.00	0	0.00	N	METRO PCS INC
0.00	111.00	4	1/2" Coax	0.63	0.15	N 0	0.00	0.00	0	0.00	N	CLEARWIRE
10.00	111.00	4	1 1/4" Hybriflex Cable	1.54	1.00	N 4	0.00	0.00	70	0.00	Y	CLEARWIRE
10.00	108.00	2	2" conduit	2.38	3.65	N 2	0.00	0.00	80	0.00	Y	CLEARWIRE
31.00	76.70	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	180	8.28	Y	
31.00	76.70	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	270	8.28	Y	
31.00	76.70	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	90	8.28	Y	
31.00	76.70	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	0	8.28	Y	
0.00	64.00	1	0.28" (7mm) RG-6	0.28	0.03	N 0	0.00	0.00	0	0.00	N	SPOK HOLDINGS,
0.00	31.00	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	90	8.28	Y	
0.00	31.00	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	270	8.28	Y	
0.00	31.00	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	180	8.28	Y	
0.00	31.00	1	#20 Dywidag bars	2.50	16.70	N 1	0.00	0.00	0	8.28	Y	

Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	Description	Spacing (in)	Len (in)	Connectors	Continuation?
0.00	121.0	4	SOL #20 All Thread	75	2.19	6" Angle Bracket	27.0	3.31	5/8" A36 U-Bolt	Yes
0.00	23.60	4	SOL #20 All Thread	80	8.28	6" T Bracket	27.0	3.31	5/8" A36 U-Bolt	Yes
23.60	68.70	4	SOL #20 All Thread	80	8.28	6" T Bracket	30.0	3.31	5/8" A36 U-Bolt	Yes
119.1	124.5	3	SOL #20 (15 deg)	80	8.28	6" T Bracket	30.0	3.31	5/8" A36 U-Bolt	No

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

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Customer: VERIZON WIRELESS

Site Number: 302489

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Customer: VERIZON WIRELESS

Segment Properties (Max Len : 5. ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in ³)	Z (in ³)	Weight (lb)	Additional Reinforcing		
												Area (in ²)	Ix (in ⁴)	Weight (lb)
0.00		0.3750	37.380	44.684	7,810.1	24.03	99.68	78.5	403.6	0.0	0.0	39.28	12,96	0.0
5.00		0.3750	36.597	43.737	7,324.4	23.47	97.59	79.1	386.6	0.0	752.2	39.28	12,56	668.0
10.00		0.3750	35.813	42.791	6,859.3	22.91	95.50	79.7	370.0	0.0	736.1	39.28	12,16	668.0
15.00		0.3750	35.029	41.845	6,414.3	22.35	93.41	80.3	353.7	0.0	720.0	39.28	11,77	668.0
20.00		0.3750	34.246	40.899	5,989.0	21.79	91.32	80.9	337.8	0.0	703.9	39.28	11,39	668.0
23.60	Reinf. Top Reinf	0.3750	33.682	40.218	5,694.8	21.39	89.82	81.4	326.6	0.0	496.8	39.28	11,12	481.0
25.00		0.3750	33.462	39.953	5,583.0	21.23	89.23	81.6	322.3	0.0	191.0	39.28	11,01	187.0
30.00		0.3750	32.679	39.007	5,195.7	20.67	87.14	81.9	307.1	0.0	671.7	39.28	10,64	668.0
31.50	Bot - Section 2	0.3750	32.444	38.723	5,083.1	20.50	86.52	81.9	302.7	0.0	198.4	39.28	10,53	200.4
35.00		0.3750	31.895	38.061	4,826.7	20.11	85.05	81.9	292.3	0.0	846.5	39.28	10,57	467.6
35.67	Top - Section 1	0.3125	32.416	32.304	4,249.6	25.12	103.73	77.3	253.3	0.0	159.6	39.28	10,52	89.1
40.00		0.3125	31.737	31.621	3,985.6	24.53	101.56	78.0	242.6	0.0	471.3	39.28	10,20	578.9
45.00		0.3125	30.953	30.833	3,694.9	23.86	99.05	78.7	230.6	0.0	531.3	39.28	9,853	668.0
50.00		0.3125	30.170	30.044	3,418.6	23.19	96.54	79.4	218.9	0.0	517.9	39.28	9,503	668.0
55.00		0.3125	29.386	29.256	3,156.5	22.52	94.04	80.2	207.5	0.0	504.5	39.28	9,159	668.0
60.00		0.3125	28.603	28.467	2,908.1	21.85	91.53	80.9	196.4	0.0	491.0	39.28	8,822	668.0
64.00		0.3125	27.976	27.837	2,719.1	21.31	89.52	81.5	187.8	0.0	383.2	39.28	8,557	534.4
65.00		0.3125	27.819	27.679	2,673.1	21.17	89.02	81.6	185.6	0.0	94.5	39.28	8,491	133.6
68.70	Reinf. Top	0.3125	27.240	27.096	2,507.6	20.68	87.17	81.9	177.8	0.0	344.8	39.28	8,251	494.3
70.00	Bot - Section 3	0.3125	27.036	26.891	2,451.2	20.50	86.52	81.9	175.1	0.0	119.4	19.64	2,879	86.8
73.50	Top - Section 2	0.2500	26.988	21.524	1,964.0	26.25	107.95	76.1	140.6	0.0	575.9	19.64	2,870	233.8
75.00		0.2500	26.752	21.335	1,912.7	25.99	107.01	76.4	138.1	0.0	109.4	19.64	2,830	100.2
80.00		0.2500	25.969	20.704	1,748.0	25.15	103.88	77.3	130.0	0.0	357.6	19.64	2,696	334.0
85.00		0.2500	25.185	20.073	1,593.1	24.31	100.74	78.2	122.2	0.0	346.9	19.64	2,566	334.0
90.00		0.2500	24.402	19.442	1,447.6	23.47	97.61	79.1	114.6	0.0	336.2	19.64	2,439	334.0
95.00		0.2500	23.618	18.812	1,311.2	22.63	94.47	80.0	107.2	0.0	325.4	19.64	2,315	334.0
100.0		0.2500	22.835	18.181	1,183.7	21.79	91.34	80.9	100.1	0.0	314.7	19.64	2,195	334.0
104.0		0.2500	22.208	17.676	1,087.9	21.12	88.83	81.7	94.6	0.0	244.0	19.64	2,101	267.2
105.0		0.2500	22.051	17.550	1,064.7	20.96	88.21	81.9	93.3	0.0	59.9	19.64	2,078	66.8
108.0		0.2500	21.581	17.172	997.3	20.45	86.33	81.9	89.3	0.0	177.2	19.64	2,009	200.4
110.0	Top - Section 3	0.2500	21.268	16.919	954.0	20.12	85.07	81.9	86.7	0.0	116.0	19.64	1,963	133.6
110.0	Bot - Section 4	0.1875	21.268	12.727	721.9	27.71	113.43	74.5	65.6	0.0		19.64	1,963	
111.0		0.1875	21.111	12.633	705.9	27.49	112.59	74.7	64.6	0.0	43.1	19.64	1,941	66.8
115.0		0.1875	20.484	12.254	644.4	26.59	109.25	75.7	60.8	0.0	169.4	19.64	1,853	267.2
119.1	Reinf Bottom	0.1875	19.838	11.864	584.8	25.67	105.80	76.7	56.9	0.0	169.3	19.64	1,764	275.5
120.0		0.1875	19.701	11.781	572.6	25.47	105.07	76.9	56.1	0.0	35.2	32.45	4,143	102.3
121.0	Reinf. Top	0.1875	19.544	11.687	558.9	25.25	104.24	77.2	55.2	0.0	39.9	32.45	4,231	317.3
124.5	Reinf. Top	0.1875	18.996	11.356	512.7	24.47	101.31	78.0	52.1	0.0	137.2	12.81	2,308	175.4
125.0		0.1875	18.917	11.308	506.4	24.35	100.89	78.2	51.7	0.0	19.3			
127.0		0.1875	18.604	11.119	481.4	23.91	99.22	78.6	50.0	0.0	76.3			
130.0		0.1875	18.134	10.835	445.4	23.24	96.71	79.4	47.5	0.0	112.1			
135.0		0.1875	17.350	10.362	389.6	22.12	92.54	80.6	43.4	0.0	180.3			
140.0		0.1875	16.567	9.889	338.6	21.00	88.36	81.8	39.5	0.0	172.3			
144.0		0.1875	15.940	9.511	301.2	20.10	85.01	81.9	36.5	0.0	132.0			
145.0		0.1875	15.783	9.416	292.3	19.88	84.18	81.9	35.8	0.0	32.2			
150.0		0.1875	15.000	8.943	250.5	18.76	80.00	81.9	32.3	0.0	156.2			
											13,372.1			
												13,141.		

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

4/30/2021 8:37:15 AM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W

116 mph with No Ice

25 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			Dead	Torsion		Moment	Dead		Dead	Torsion		Moment	
Elev		Wind FX	Load	Wind FX	MY	MZ	Load	Wind FX	Load	Wind FX	Load	MY	MZ
(ft)	Description	(lb)	(lb)	(lb)	(lb-ft)	(lb-ft)	(lb)	(lb)	(lb)	(lb)	(lb)	(lb-ft)	(lb)
0.00		230.6	0.0					0.0	0.0	230.6	0.0	0.0	0.0
5.00		456.2	902.6					25.4	1,839.8	481.6	2,742.4	0.0	0.0
10.00		446.5	883.3					25.4	1,839.8	471.8	2,723.1	0.0	0.0
15.00		443.5	864.0					25.4	2,062.6	468.9	2,926.6	0.0	0.0
20.00		387.4	844.7					26.2	2,062.6	413.6	2,907.2	0.0	0.0
23.60	Reinf. Top Reinf	229.5	596.2					19.7	1,485.0	249.2	2,081.3	0.0	0.0
25.00		298.7	229.2					7.8	577.5	306.5	806.7	0.0	0.0
30.00		304.6	806.1					28.8	2,062.6	333.4	2,868.6	0.0	0.0
31.50	Bot - Section 2	239.7	238.1					8.8	618.8	248.5	856.8	0.0	0.0
35.00		201.3	1,015.8					21.0	1,443.8	222.2	2,459.6	0.0	0.0
35.67	Top - Section 1	242.6	191.5					4.0	275.0	246.6	466.5	0.0	0.0
40.00		453.2	565.6					26.7	1,787.5	479.9	2,353.1	0.0	0.0
45.00		485.5	637.5					31.5	2,062.6	517.0	2,700.1	0.0	0.0
50.00		483.8	621.4					32.3	2,062.6	516.1	2,684.0	0.0	0.0
55.00		480.8	605.4					33.0	2,062.6	513.8	2,667.9	0.0	0.0
60.00		429.5	589.3					33.6	2,062.6	463.1	2,651.8	0.0	0.0
64.00	Appurtenance(s)	237.2	459.8	832.5	0.0	0.0	151.2	27.3	1,650.0	1,097.0	2,261.1	0.0	0.0
65.00		220.9	113.3					6.9	412.5	227.8	525.8	0.0	0.0
68.70	Reinf. Top	234.3	413.8					25.7	1,526.2	260.0	1,939.9	0.0	0.0
70.00	Bot - Section 3	225.8	143.3					9.1	432.0	234.9	575.3	0.0	0.0
73.50	Top - Section 2	235.4	691.1					24.6	1,163.1	260.1	1,854.2	0.0	0.0
75.00		302.2	131.3					10.6	498.5	312.8	629.7	0.0	0.0
80.00		459.9	429.1					24.0	1,397.0	483.8	1,826.2	0.0	0.0
85.00		451.7	416.3					18.1	1,260.8	469.8	1,677.0	0.0	0.0
90.00		443.0	403.4					18.4	1,260.8	461.3	1,664.2	0.0	0.0
95.00		433.7	390.5					18.6	1,260.8	452.2	1,651.3	0.0	0.0
100.00		382.6	377.6					18.8	1,260.8	401.4	1,638.4	0.0	0.0
104.00	Appurtenance(s)	210.1	292.8	388.2	0.0	0.0	672.0	15.2	1,008.6	613.5	1,973.5	0.0	0.0
105.00		167.8	71.9					3.8	252.2	171.6	324.1	0.0	0.0
108.00	Appurtenance(s)	206.8	212.7	89.1	0.0	356.3	24.0	11.5	756.5	307.4	993.1	0.0	0.0
110.00	Top - Section 3	121.2	139.2					7.7	486.8	128.9	626.0	0.0	0.0
111.00	Appurtenance(s)	198.6	51.8	2,200.9	0.0	418.2	1,326.8	3.9	243.4	2,403.4	1,622.0	0.0	0.0
115.00		318.0	203.2					19.4	1,031.7	337.4	1,234.9	0.0	0.0
119.13	Reinf Bottom	192.9	203.1					32.2	1,311.9	225.1	1,515.0	0.0	0.0
120.00	Appurtenance(s)	71.2	42.2	392.1	0.0	0.0	144.0	6.9	330.9	470.2	517.1	0.0	0.0
121.00	Reinf. Top	168.6	47.9					7.9	612.7	176.5	660.6	0.0	0.0
124.50	Reinf. Top	149.2	164.7					27.6	1,022.3	176.7	1,187.0	0.0	0.0
125.00		91.6	23.1					4.0	116.0	95.5	139.1	0.0	0.0
127.00	Appurtenance(s)	181.0	91.6	952.7	0.0	0.0	1,620.0	7.9	303.6	1,141.6	2,015.2	0.0	0.0
130.00	Appurtenance(s)	282.6	134.5	2,786.3	0.0	0.0	1,379.8	8.0	375.3	3,076.8	1,889.5	0.0	0.0
135.00		343.0	216.4					0.0	313.1	343.0	529.5	0.0	0.0
140.00	Appurtenance(s)	298.2	206.7	3,296.5	0.0	3,675.5	3,396.5	0.0	313.1	3,594.7	3,916.4	0.0	0.0
144.00	Appurtenance(s)	161.7	158.4	198.1	0.0	0.0	180.0	10.2	230.5	370.0	569.0	0.0	0.0
145.00		186.9	38.6					2.6	57.6	189.5	96.3	0.0	0.0
150.00	Appurtenance(s)	155.0	187.4	1,620.1	0.0	0.0	2,940.0	13.5	288.2	1,788.7	3,415.6	0.0	0.0
Totals:										26,434.4	73,362.7	0.00	0.00

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

4/30/2021 8:37:21 AM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W

116 mph with No Ice

25 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.20

Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-75.49	-30.09	0.00	-3,385.80	0.00	3,385.80	3,157.17	784.20	2,737.77	2,376.61	0.00	0.00	0.550
5.00	-72.63	-29.89	0.00	-3,235.36	0.00	3,235.36	3,114.35	767.59	2,623.11	2,294.24	0.12	-0.23	0.533
10.00	-69.79	-29.68	0.00	-3,085.91	0.00	3,085.91	3,070.50	750.99	2,510.89	2,212.51	0.48	-0.45	0.516
15.00	-66.75	-29.44	0.00	-2,937.52	0.00	2,937.52	3,025.61	734.39	2,401.13	2,131.46	1.08	-0.68	0.499
20.00	-63.75	-29.20	0.00	-2,790.32	0.00	2,790.32	2,979.68	717.78	2,293.82	2,051.14	1.91	-0.90	0.481
23.60	-61.62	-29.04	0.00	-2,685.20	0.00	2,685.20	2,945.97	705.83	2,218.08	1,993.78	2.65	-1.06	0.468
23.60	-61.62	-29.04	0.00	-2,685.20	0.00	2,685.20	2,945.97	705.83	2,218.08	1,993.78	2.65	-1.06	0.468
25.00	-60.75	-28.87	0.00	-2,644.55	0.00	2,644.55	2,932.71	701.18	2,188.97	1,971.59	2.97	-1.13	0.463
30.00	-57.82	-28.62	0.00	-2,500.22	0.00	2,500.22	2,875.21	684.57	2,086.57	1,886.65	4.27	-1.35	0.446
31.50	-56.91	-28.46	0.00	-2,457.29	0.00	2,457.29	2,854.29	679.59	2,056.33	1,859.14	4.71	-1.41	0.442
35.00	-54.41	-28.26	0.00	-2,357.70	0.00	2,357.70	2,805.48	667.97	1,986.62	1,795.73	5.80	-1.57	0.423
35.67	-53.90	-28.10	0.00	-2,338.86	0.00	2,338.86	2,248.07	566.94	1,717.07	1,468.70	6.02	-1.60	0.471
40.00	-51.47	-27.73	0.00	-2,217.11	0.00	2,217.11	2,218.59	554.95	1,645.23	1,418.49	7.56	-1.78	0.452
45.00	-48.68	-27.30	0.00	-2,078.47	0.00	2,078.47	2,183.60	541.11	1,564.24	1,360.97	9.54	-1.99	0.429
50.00	-45.92	-26.86	0.00	-1,941.96	0.00	1,941.96	2,147.58	527.27	1,485.29	1,303.95	11.74	-2.21	0.406
55.00	-43.19	-26.39	0.00	-1,807.68	0.00	1,807.68	2,110.52	513.44	1,408.39	1,247.47	14.16	-2.41	0.383
60.00	-40.48	-25.94	0.00	-1,675.73	0.00	1,675.73	2,072.42	499.60	1,333.53	1,191.58	16.80	-2.61	0.360
64.00	-38.23	-24.80	0.00	-1,571.98	0.00	1,571.98	2,041.18	488.53	1,275.12	1,147.34	19.06	-2.77	0.341
65.00	-37.67	-24.61	0.00	-1,547.18	0.00	1,547.18	2,033.27	485.76	1,260.72	1,136.35	19.64	-2.81	0.336
68.70	-35.71	-24.31	0.00	-1,456.14	0.00	1,456.14	1,997.21	475.53	1,208.15	1,092.40	21.88	-2.95	0.321
68.70	-35.71	-24.31	0.00	-1,456.14	0.00	1,456.14	1,997.21	475.53	1,208.15	1,092.40	21.88	-2.95	0.629
70.00	-35.08	-24.14	0.00	-1,424.54	0.00	1,424.54	1,982.10	471.93	1,189.95	1,075.84	22.69	-3.00	0.622
73.50	-33.17	-23.88	0.00	-1,340.05	0.00	1,340.05	1,473.96	377.74	952.81	802.32	24.98	-3.26	0.694
75.00	-32.46	-23.67	0.00	-1,304.23	0.00	1,304.23	1,466.28	374.42	936.13	791.05	26.03	-3.37	0.680
80.00	-30.52	-23.27	0.00	-1,185.86	0.00	1,185.86	1,440.00	363.35	881.62	753.69	29.75	-3.74	0.634
85.00	-28.73	-22.87	0.00	-1,069.49	0.00	1,069.49	1,412.68	352.28	828.74	716.65	33.87	-4.10	0.586
90.00	-26.98	-22.44	0.00	-955.15	0.00	955.15	1,384.32	341.21	777.49	679.98	38.35	-4.45	0.537
95.00	-25.25	-22.00	0.00	-842.94	0.00	842.94	1,354.92	330.14	727.89	643.72	43.18	-4.78	0.487
100.00	-23.55	-21.57	0.00	-732.94	0.00	732.94	1,324.47	319.08	679.91	607.94	48.35	-5.09	0.435
104.00	-21.58	-20.83	0.00	-646.66	0.00	646.66	1,299.37	310.22	642.71	579.69	52.71	-5.32	0.393
105.00	-21.24	-20.67	0.00	-625.82	0.00	625.82	1,292.99	308.01	633.57	572.68	53.83	-5.38	0.382
108.00	-20.23	-20.32	0.00	-563.44	0.00	563.44	1,265.73	301.36	606.56	548.38	57.26	-5.54	0.353
110.00	-19.60	-20.16	0.00	-522.80	0.00	522.80	1,247.14	296.94	588.87	532.29	59.60	-5.64	0.333
110.00	-19.60	-20.16	0.00	-522.80	0.00	522.80	853.24	223.36	444.19	366.34	59.60	-5.64	0.401
111.00	-18.18	-17.65	0.00	-502.23	0.00	502.23	849.67	221.70	437.62	362.07	60.78	-5.69	0.385
115.00	-16.93	-17.24	0.00	-431.65	0.00	431.65	834.99	215.06	411.80	345.06	65.63	-5.89	0.337
119.13	-15.41	-16.89	0.00	-360.52	0.00	360.52	819.16	208.21	385.99	327.64	70.80	-6.08	0.288
120.00	-14.94	-16.38	0.00	-345.74	0.00	345.74	815.71	206.76	380.63	323.96	71.91	-6.11	0.141
121.00	-14.29	-16.14	0.00	-329.37	0.00	329.37	811.73	205.10	374.54	319.77	73.20	-6.14	0.131
121.00	-14.29	-16.14	0.00	-329.37	0.00	329.37	811.73	205.10	374.54	319.77	73.20	-6.14	0.211
124.50	-13.12	-15.85	0.00	-272.88	0.00	272.88	797.47	199.29	353.62	305.16	77.71	-6.20	0.177
124.50	-13.12	-15.85	0.00	-272.88	0.00	272.88	797.47	199.29	353.62	305.16	77.71	-6.20	0.917
125.00	-12.95	-15.77	0.00	-264.96	0.00	264.96	795.39	198.46	350.69	303.09	78.36	-6.21	0.897

Site Number: 302489

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

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Dead Load Factor :1.20

Wind Load Factor :1.00

127.00	-10.99	-14.48	0.00	-233.42	0.00	233.42	786.97	195.14	339.05	294.81	81.02	-6.49	0.811
130.00	-9.38	-11.27	0.00	-190.00	0.00	190.00	774.02	190.16	321.97	282.49	85.21	-6.87	0.688
135.00	-8.81	-10.94	0.00	-133.63	0.00	133.63	751.62	181.86	294.48	262.21	92.68	-7.38	0.525
140.00	-5.37	-6.88	0.00	-75.27	0.00	75.27	728.18	173.55	268.22	242.31	100.61	-7.77	0.320
144.00	-4.85	-6.45	0.00	-47.73	0.00	47.73	701.03	166.91	248.09	224.25	107.19	-7.98	0.221
145.00	-4.77	-6.26	0.00	-41.28	0.00	41.28	694.06	165.25	243.18	219.78	108.86	-8.02	0.196
150.00	0.00	-5.52	0.00	-10.00	0.00	10.00	659.19	156.95	219.37	198.13	117.32	-8.15	0.052

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

4/30/2021 8:37:21 AM

Customer: VERIZON WIRELESS

Load Case: 0.9D + 1.0W

116 mph with No Ice (Reduced DL)

25 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			Dead	Torsion		Moment	Dead		Dead		Torsion	Moment	
Elev		Wind FX	Load	Wind FX	MY	MZ	Load	Wind FX	Load	Wind FX	Load	MY	MZ
(ft)	Description	(lb)	(lb)	(lb)	(lb-ft)	(lb-ft)	(lb)	(lb)	(lb)	(lb)	(lb)	(lb-ft)	(lb)
0.00		230.6	0.0					0.0	0.0	230.6	0.0	0.0	0.0
5.00		456.2	677.0					25.4	1,379.8	481.6	2,056.8	0.0	0.0
10.00		446.5	662.5					25.4	1,379.8	471.8	2,042.3	0.0	0.0
15.00		443.5	648.0					25.4	1,546.9	468.9	2,194.9	0.0	0.0
20.00		387.4	633.5					26.2	1,546.9	413.6	2,180.4	0.0	0.0
23.60	Reinf. Top Reinf	229.5	447.2					19.7	1,113.8	249.2	1,560.9	0.0	0.0
25.00		298.7	171.9					7.8	433.1	306.5	605.0	0.0	0.0
30.00		304.6	604.5					28.8	1,546.9	333.4	2,151.5	0.0	0.0
31.50	Bot - Section 2	239.7	178.5					8.8	464.1	248.5	642.6	0.0	0.0
35.00		201.3	761.9					21.0	1,082.8	222.2	1,844.7	0.0	0.0
35.67	Top - Section 1	242.6	143.6					4.0	206.3	246.6	349.9	0.0	0.0
40.00		453.2	424.2					26.7	1,340.7	479.9	1,764.8	0.0	0.0
45.00		485.5	478.2					31.5	1,546.9	517.0	2,025.1	0.0	0.0
50.00		483.8	466.1					32.3	1,546.9	516.1	2,013.0	0.0	0.0
55.00		480.8	454.0					33.0	1,546.9	513.8	2,000.9	0.0	0.0
60.00		429.5	441.9					33.6	1,546.9	463.1	1,988.9	0.0	0.0
64.00	Appurtenance(s)	237.2	344.9	832.5	0.0	0.0	113.4	27.3	1,237.5	1,097.0	1,695.8	0.0	0.0
65.00		220.9	85.0					6.9	309.4	227.8	394.4	0.0	0.0
68.70	Reinf. Top	234.3	310.3					25.7	1,144.6	260.0	1,454.9	0.0	0.0
70.00	Bot - Section 3	225.8	107.5					9.1	324.0	234.9	431.5	0.0	0.0
73.50	Top - Section 2	235.4	518.3					24.6	872.3	260.1	1,390.7	0.0	0.0
75.00		302.2	98.4					10.6	373.9	312.8	472.3	0.0	0.0
80.00		459.9	321.9					24.0	1,047.8	483.8	1,369.6	0.0	0.0
85.00		451.7	312.2					18.1	945.6	469.8	1,257.8	0.0	0.0
90.00		443.0	302.5					18.4	945.6	461.3	1,248.1	0.0	0.0
95.00		433.7	292.9					18.6	945.6	452.2	1,238.5	0.0	0.0
100.00		382.6	283.2					18.8	945.6	401.4	1,228.8	0.0	0.0
104.00	Appurtenance(s)	210.1	219.6	388.2	0.0	0.0	504.0	15.2	756.5	613.5	1,480.1	0.0	0.0
105.00		167.8	53.9					3.8	189.1	171.6	243.1	0.0	0.0
108.00	Appurtenance(s)	206.8	159.5	89.1	0.0	356.3	18.0	11.5	567.3	307.4	744.9	0.0	0.0
110.00	Top - Section 3	121.2	104.4					7.7	365.1	128.9	469.5	0.0	0.0
111.00	Appurtenance(s)	198.6	38.8	2,200.9	0.0	418.2	995.1	3.9	182.5	2,403.4	1,216.5	0.0	0.0
115.00		318.0	152.4					19.4	773.7	337.4	926.2	0.0	0.0
119.13	Reinf Bottom	192.9	152.3					32.2	983.9	225.1	1,136.3	0.0	0.0
120.00	Appurtenance(s)	71.2	31.7	392.1	0.0	0.0	108.0	6.9	248.2	470.2	387.8	0.0	0.0
121.00	Reinf. Top	168.6	35.9					7.9	459.5	176.5	495.5	0.0	0.0
124.50	Reinf. Top	149.2	123.5					27.6	766.7	176.7	890.2	0.0	0.0
125.00		91.6	17.4					4.0	87.0	95.5	104.3	0.0	0.0
127.00	Appurtenance(s)	181.0	68.7	952.7	0.0	0.0	1,215.0	7.9	227.7	1,141.6	1,511.4	0.0	0.0
130.00	Appurtenance(s)	282.6	100.9	2,786.3	0.0	0.0	1,034.8	8.0	281.5	3,076.8	1,417.1	0.0	0.0
135.00		343.0	162.3					0.0	234.9	343.0	397.1	0.0	0.0
140.00	Appurtenance(s)	298.2	155.0	3,296.5	0.0	3,675.5	2,547.4	0.0	234.9	3,594.7	2,937.3	0.0	0.0
144.00	Appurtenance(s)	161.7	118.8	198.1	0.0	0.0	135.0	10.2	172.9	370.0	426.7	0.0	0.0
145.00		186.9	29.0					2.6	43.2	189.5	72.2	0.0	0.0
150.00	Appurtenance(s)	155.0	140.6	1,620.1	0.0	0.0	2,205.0	13.5	216.1	1,788.7	2,561.7	0.0	0.0
Totals:										26,434.4	55,022.0	0.00	0.00

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

4/30/2021 8:37:27 AM

Customer: VERIZON WIRELESS

Load Case: 0.9D + 1.0W

116 mph with No Ice (Reduced DL)

25 Iterations

Gust Response Factor :1.10

Dead Load Factor :0.90

Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-56.60	-30.05	0.00	-3,321.55	0.00	3,321.55	3,157.17	784.20	2,737.77	2,376.61	0.00	0.00	0.536
5.00	-54.43	-29.78	0.00	-3,171.30	0.00	3,171.30	3,114.35	767.59	2,623.11	2,294.24	0.12	-0.22	0.520
10.00	-52.28	-29.49	0.00	-3,022.43	0.00	3,022.43	3,070.50	750.99	2,510.89	2,212.51	0.47	-0.44	0.503
15.00	-49.97	-29.20	0.00	-2,874.96	0.00	2,874.96	3,025.61	734.39	2,401.13	2,131.46	1.06	-0.66	0.486
20.00	-47.71	-28.91	0.00	-2,728.99	0.00	2,728.99	2,979.68	717.78	2,293.82	2,051.14	1.87	-0.88	0.468
23.60	-46.09	-28.72	0.00	-2,624.92	0.00	2,624.92	2,945.97	705.83	2,218.08	1,993.78	2.60	-1.04	0.455
23.60	-46.09	-28.72	0.00	-2,624.92	0.00	2,624.92	2,945.97	705.83	2,218.08	1,993.78	2.60	-1.04	0.455
25.00	-45.43	-28.51	0.00	-2,584.71	0.00	2,584.71	2,932.71	701.18	2,188.97	1,971.59	2.91	-1.10	0.450
30.00	-43.21	-28.24	0.00	-2,442.14	0.00	2,442.14	2,875.21	684.57	2,086.57	1,886.65	4.18	-1.32	0.434
31.50	-42.52	-28.06	0.00	-2,399.78	0.00	2,399.78	2,854.29	679.59	2,056.33	1,859.14	4.61	-1.38	0.429
35.00	-40.64	-27.85	0.00	-2,301.59	0.00	2,301.59	2,805.48	667.97	1,986.62	1,795.73	5.68	-1.53	0.411
35.67	-40.25	-27.67	0.00	-2,283.02	0.00	2,283.02	2,248.07	566.94	1,717.07	1,468.70	5.90	-1.56	0.458
40.00	-38.41	-27.27	0.00	-2,163.13	0.00	2,163.13	2,218.59	554.95	1,645.23	1,418.49	7.40	-1.74	0.438
45.00	-36.30	-26.82	0.00	-2,026.79	0.00	2,026.79	2,183.60	541.11	1,564.24	1,360.97	9.34	-1.95	0.416
50.00	-34.21	-26.35	0.00	-1,892.70	0.00	1,892.70	2,147.58	527.27	1,485.29	1,303.95	11.49	-2.16	0.393
55.00	-32.15	-25.87	0.00	-1,760.94	0.00	1,760.94	2,110.52	513.44	1,408.39	1,247.47	13.86	-2.36	0.371
60.00	-30.10	-25.41	0.00	-1,631.59	0.00	1,631.59	2,072.42	499.60	1,333.53	1,191.58	16.43	-2.55	0.348
64.00	-28.42	-24.29	0.00	-1,529.93	0.00	1,529.93	2,041.18	488.53	1,275.12	1,147.34	18.64	-2.71	0.330
65.00	-28.00	-24.09	0.00	-1,505.64	0.00	1,505.64	2,033.27	485.76	1,260.72	1,136.35	19.21	-2.74	0.325
68.70	-26.52	-23.80	0.00	-1,416.53	0.00	1,416.53	1,997.21	475.53	1,208.15	1,092.40	21.39	-2.88	0.310
68.70	-26.52	-23.80	0.00	-1,416.53	0.00	1,416.53	1,997.21	475.53	1,208.15	1,092.40	21.39	-2.88	0.610
70.00	-26.04	-23.61	0.00	-1,385.59	0.00	1,385.59	1,982.10	471.93	1,189.95	1,075.84	22.19	-2.93	0.602
73.50	-24.59	-23.35	0.00	-1,302.96	0.00	1,302.96	1,473.96	377.74	952.81	802.32	24.43	-3.18	0.672
75.00	-24.04	-23.11	0.00	-1,267.93	0.00	1,267.93	1,466.28	374.42	936.13	791.05	25.45	-3.29	0.659
80.00	-22.56	-22.69	0.00	-1,152.37	0.00	1,152.37	1,440.00	363.35	881.62	753.69	29.08	-3.65	0.613
85.00	-21.21	-22.26	0.00	-1,038.94	0.00	1,038.94	1,412.68	352.28	828.74	716.65	33.10	-4.00	0.567
90.00	-19.87	-21.83	0.00	-927.63	0.00	927.63	1,384.32	341.21	777.49	679.98	37.47	-4.34	0.519
95.00	-18.56	-21.38	0.00	-818.51	0.00	818.51	1,354.92	330.14	727.89	643.72	42.18	-4.66	0.471
100.00	-17.27	-20.95	0.00	-711.62	0.00	711.62	1,324.47	319.08	679.91	607.94	47.22	-4.96	0.421
104.00	-15.80	-20.25	0.00	-627.80	0.00	627.80	1,299.37	310.22	642.71	579.69	51.46	-5.18	0.379
105.00	-15.54	-20.09	0.00	-607.55	0.00	607.55	1,292.99	308.01	633.57	572.68	52.55	-5.24	0.369
108.00	-14.78	-19.74	0.00	-546.94	0.00	546.94	1,265.73	301.36	606.56	548.38	55.89	-5.39	0.341
110.00	-14.30	-19.59	0.00	-507.45	0.00	507.45	1,247.14	296.94	588.87	532.29	58.17	-5.49	0.321
110.00	-14.30	-19.59	0.00	-507.45	0.00	507.45	853.24	223.36	444.19	366.34	58.17	-5.49	0.387
111.00	-13.28	-17.11	0.00	-487.44	0.00	487.44	849.67	221.70	437.62	362.07	59.33	-5.54	0.371
115.00	-12.34	-16.72	0.00	-419.01	0.00	419.01	834.99	215.06	411.80	345.06	64.05	-5.74	0.325
119.13	-11.20	-16.40	0.00	-350.03	0.00	350.03	819.16	208.21	385.99	327.64	69.09	-5.92	0.277
120.00	-10.86	-15.90	0.00	-335.67	0.00	335.67	815.71	206.76	380.63	323.96	70.17	-5.96	0.135
121.00	-10.37	-15.68	0.00	-319.77	0.00	319.77	811.73	205.10	374.54	319.77	71.42	-5.97	0.126
121.00	-10.37	-15.68	0.00	-319.77	0.00	319.77	811.73	205.10	374.54	319.77	71.42	-5.97	0.202
124.50	-9.49	-15.42	0.00	-264.88	0.00	264.88	797.47	199.29	353.62	305.16	75.82	-6.04	0.169
124.50	-9.49	-15.42	0.00	-264.88	0.00	264.88	797.47	199.29	353.62	305.16	75.82	-6.04	0.886
125.00	-9.36	-15.34	0.00	-257.17	0.00	257.17	795.39	198.46	350.69	303.09	76.45	-6.05	0.866

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

4/30/2021 8:37:27 AM

Customer: VERIZON WIRELESS

Load Case: 0.9D + 1.0W

116 mph with No Ice (Reduced DL)

25 Iterations

Gust Response Factor :1.10

Dead Load Factor :0.90

Wind Load Factor :1.00

127.00	-7.90	-14.08	0.00	-226.50	0.00	226.50	786.97	195.14	339.05	294.81	79.04	-6.32	0.784
130.00	-6.76	-10.92	0.00	-184.25	0.00	184.25	774.02	190.16	321.97	282.49	83.12	-6.68	0.664
135.00	-6.33	-10.58	0.00	-129.66	0.00	129.66	751.62	181.86	294.48	262.21	90.39	-7.19	0.506
140.00	-3.84	-6.65	0.00	-73.09	0.00	73.09	728.18	173.55	268.22	242.31	98.11	-7.56	0.308
144.00	-3.46	-6.24	0.00	-46.47	0.00	46.47	701.03	166.91	248.09	224.25	104.52	-7.76	0.214
145.00	-3.40	-6.05	0.00	-40.23	0.00	40.23	694.06	165.25	243.18	219.78	106.15	-7.80	0.189
150.00	0.00	-5.52	0.00	-10.00	0.00	10.00	659.19	156.95	219.37	198.13	114.37	-7.93	0.052

Site Number: 302489

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

4/30/2021 8:37:27 AM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 1.50 in Radial Ice

25 Iterations

Gust Response Factor :1.10

Ice Dead Load Factor 1.00

Dead Load Factor :1.20

Ice Importance Factor :1.00

Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
Seg			Dead	Torsion		Moment	Dead			Dead	Torsion	Moment	
Elev		Wind FX	Load	Wind FX	MY	MZ	Load	Wind FX	Load	Wind FX	Load	MY	MZ
(ft)	Description	(lb)	(lb)	(lb)	(lb-ft)	(lb-ft)	(lb)	(lb)	(lb)	(lb)	(lb)	(lb-ft)	(lb)
0.00		57.4	0.0					0.0	0.0	57.4	0.0	0.0	0.0
5.00		114.0	1,185.9					105.7	2,047.0	219.7	3,232.9	0.0	0.0
10.00		112.3	1,194.0					112.0	2,079.6	224.3	3,273.6	0.0	0.0
15.00		112.0	1,184.7					115.8	2,482.6	227.8	3,667.2	0.0	0.0
20.00		98.2	1,169.6					122.4	2,500.4	220.6	3,670.0	0.0	0.0
23.60	Reinf. Top Reinf	58.3	831.8					93.8	1,809.0	152.1	2,640.8	0.0	0.0
25.00		76.1	321.2					37.6	705.2	113.7	1,026.5	0.0	0.0
30.00		77.7	1,131.6					139.0	2,525.8	216.7	3,657.4	0.0	0.0
31.50	Bot - Section 2	61.2	336.2					43.2	759.7	104.4	1,095.9	0.0	0.0
35.00		51.4	1,247.2					102.8	1,775.9	154.3	3,023.1	0.0	0.0
35.67	Top - Section 1	62.1	235.7					19.9	338.8	82.0	574.5	0.0	0.0
40.00		116.3	849.2					131.8	2,205.5	248.0	3,054.7	0.0	0.0
45.00		124.9	961.0					156.8	2,552.0	281.7	3,513.0	0.0	0.0
50.00		124.9	940.8					161.5	2,558.9	286.4	3,499.7	0.0	0.0
55.00		124.6	920.1					165.9	2,565.3	290.4	3,485.4	0.0	0.0
60.00		111.6	899.0					169.9	2,571.1	281.5	3,470.1	0.0	0.0
64.00	Appurtenance(s)	61.8	704.4	175.8	0.0	0.0	310.3	138.7	2,060.8	376.3	3,075.6	0.0	0.0
65.00		57.7	174.4					35.0	515.7	92.7	690.1	0.0	0.0
68.70	Reinf. Top	61.2	636.1					130.9	1,909.8	192.1	2,545.9	0.0	0.0
70.00	Bot - Section 3	59.1	221.2					46.4	567.5	105.5	788.6	0.0	0.0
73.50	Top - Section 2	61.6	901.2					126.2	1,529.3	187.8	2,430.5	0.0	0.0
75.00		79.4	220.8					54.6	656.1	133.9	877.0	0.0	0.0
80.00		121.1	720.9					123.3	1,816.5	244.4	2,537.4	0.0	0.0
85.00		119.4	701.6					93.6	1,627.0	213.0	2,328.5	0.0	0.0
90.00		117.6	682.1					95.0	1,629.6	212.6	2,311.7	0.0	0.0
95.00		115.7	662.4					96.5	1,632.2	212.1	2,294.6	0.0	0.0
100.00		102.4	642.6					97.8	1,634.6	200.2	2,277.2	0.0	0.0
104.00	Appurtenance(s)	56.2	500.3	130.3	0.0	0.0	1,056.2	79.2	1,309.4	265.7	2,865.9	0.0	0.0
105.00		44.4	123.6					19.9	327.6	64.3	451.2	0.0	0.0
108.00	Appurtenance(s)	55.1	364.9	21.3	0.0	85.2	118.7	60.1	983.2	136.5	1,466.8	0.0	0.0
110.00	Top - Section 3	32.8	239.6					40.3	619.6	73.1	859.1	0.0	0.0
111.00	Appurtenance(s)	53.9	101.7	534.6	0.0	100.7	3,137.4	20.2	309.9	608.8	3,549.0	0.0	0.0
115.00		86.6	397.9					101.8	1,296.7	188.4	1,694.6	0.0	0.0
119.13	Reinf Bottom	52.7	398.7					169.5	1,694.6	222.2	2,093.3	0.0	0.0
120.00	Appurtenance(s)	19.5	83.6	107.8	0.0	0.0	367.1	36.2	412.3	163.5	863.0	0.0	0.0
121.00	Reinf. Top	46.3	94.8					41.4	705.9	87.7	800.7	0.0	0.0
124.50	Reinf. Top	41.0	324.9					145.7	1,349.1	186.7	1,674.0	0.0	0.0
125.00		25.3	46.0					20.9	162.8	46.2	208.8	0.0	0.0
127.00	Appurtenance(s)	50.1	181.7	331.2	0.0	0.0	2,110.5	41.9	420.4	423.2	2,712.5	0.0	0.0
130.00	Appurtenance(s)	78.6	266.8	696.8	0.0	0.0	3,449.5	42.1	515.4	817.5	4,231.7	0.0	0.0
135.00		96.0	428.8					0.0	313.1	96.0	742.0	0.0	0.0
140.00	Appurtenance(s)	84.1	411.3	858.8	0.0	909.3	6,132.7	0.0	313.1	942.9	6,857.1	0.0	0.0
144.00	Appurtenance(s)	45.8	317.0	51.1	0.0	0.0	242.4	41.3	306.8	138.3	866.2	0.0	0.0
145.00		53.4	78.0					10.4	76.7	63.8	154.8	0.0	0.0
150.00	Appurtenance(s)	44.3	375.8	451.9	0.0	0.0	4,345.7	52.4	384.0	548.7	5,105.5	0.0	0.0
Totals:										10,405.2	102,238.	0.00	0.00

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

4/30/2021 8:37:34 AM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 1.50 in Radial Ice

25 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	-107.62	-11.39	0.00	-1,208.36	0.00	1,208.36	3,157.17	784.20	2,737.77	2,376.61	0.00	0.00	0.209
5.00	-104.38	-11.31	0.00	-1,151.42	0.00	1,151.42	3,114.35	767.59	2,623.11	2,294.24	0.04	-0.08	0.203
10.00	-101.09	-11.22	0.00	-1,094.86	0.00	1,094.86	3,070.50	750.99	2,510.89	2,212.51	0.17	-0.16	0.196
15.00	-97.41	-11.12	0.00	-1,038.75	0.00	1,038.75	3,025.61	734.39	2,401.13	2,131.46	0.38	-0.24	0.189
20.00	-93.72	-10.99	0.00	-983.17	0.00	983.17	2,979.68	717.78	2,293.82	2,051.14	0.68	-0.32	0.181
23.60	-91.08	-10.88	0.00	-943.61	0.00	943.61	2,945.97	705.83	2,218.08	1,993.78	0.94	-0.38	0.176
23.60	-91.08	-10.88	0.00	-943.61	0.00	943.61	2,945.97	705.83	2,218.08	1,993.78	0.94	-0.38	0.176
25.00	-90.04	-10.84	0.00	-928.37	0.00	928.37	2,932.71	701.18	2,188.97	1,971.59	1.06	-0.40	0.174
30.00	-86.38	-10.67	0.00	-874.17	0.00	874.17	2,875.21	684.57	2,086.57	1,886.65	1.52	-0.48	0.167
31.50	-85.27	-10.62	0.00	-858.16	0.00	858.16	2,854.29	679.59	2,056.33	1,859.14	1.67	-0.50	0.165
35.00	-82.25	-10.48	0.00	-821.00	0.00	821.00	2,805.48	667.97	1,986.62	1,795.73	2.06	-0.55	0.158
35.67	-81.67	-10.44	0.00	-814.02	0.00	814.02	2,248.07	566.94	1,717.07	1,468.70	2.13	-0.56	0.176
40.00	-78.60	-10.26	0.00	-768.76	0.00	768.76	2,218.59	554.95	1,645.23	1,418.49	2.68	-0.63	0.168
45.00	-75.08	-10.03	0.00	-717.46	0.00	717.46	2,183.60	541.11	1,564.24	1,360.97	3.37	-0.70	0.159
50.00	-71.57	-9.79	0.00	-667.29	0.00	667.29	2,147.58	527.27	1,485.29	1,303.95	4.15	-0.77	0.150
55.00	-68.08	-9.54	0.00	-618.34	0.00	618.34	2,110.52	513.44	1,408.39	1,247.47	5.00	-0.84	0.141
60.00	-64.60	-9.27	0.00	-570.66	0.00	570.66	2,072.42	499.60	1,333.53	1,191.58	5.92	-0.91	0.132
64.00	-61.53	-8.88	0.00	-533.59	0.00	533.59	2,041.18	488.53	1,275.12	1,147.34	6.71	-0.97	0.125
65.00	-60.84	-8.81	0.00	-524.71	0.00	524.71	2,033.27	485.76	1,260.72	1,136.35	6.91	-0.98	0.123
68.70	-58.29	-8.60	0.00	-492.13	0.00	492.13	1,997.21	475.53	1,208.15	1,092.40	7.69	-1.03	0.117
68.70	-58.29	-8.60	0.00	-492.13	0.00	492.13	1,997.21	475.53	1,208.15	1,092.40	7.69	-1.03	0.226
70.00	-57.50	-8.53	0.00	-480.94	0.00	480.94	1,982.10	471.93	1,189.95	1,075.84	7.97	-1.04	0.223
73.50	-55.06	-8.36	0.00	-451.07	0.00	451.07	1,473.96	377.74	952.81	802.32	8.77	-1.13	0.248
75.00	-54.17	-8.29	0.00	-438.53	0.00	438.53	1,466.28	374.42	936.13	791.05	9.13	-1.17	0.243
80.00	-51.63	-8.10	0.00	-397.11	0.00	397.11	1,440.00	363.35	881.62	753.69	10.43	-1.29	0.226
85.00	-49.29	-7.93	0.00	-356.62	0.00	356.62	1,412.68	352.28	828.74	716.65	11.85	-1.41	0.209
90.00	-46.97	-7.75	0.00	-316.96	0.00	316.96	1,384.32	341.21	777.49	679.98	13.39	-1.53	0.191
95.00	-44.66	-7.56	0.00	-278.21	0.00	278.21	1,354.92	330.14	727.89	643.72	15.05	-1.64	0.173
100.00	-42.38	-7.36	0.00	-240.42	0.00	240.42	1,324.47	319.08	679.91	607.94	16.82	-1.74	0.154
104.00	-39.52	-7.03	0.00	-210.99	0.00	210.99	1,299.37	310.22	642.71	579.69	18.32	-1.82	0.139
105.00	-39.07	-6.98	0.00	-203.96	0.00	203.96	1,292.99	308.01	633.57	572.68	18.70	-1.83	0.135
108.00	-37.60	-6.82	0.00	-182.94	0.00	182.94	1,265.73	301.36	606.56	548.38	19.87	-1.89	0.125
110.00	-36.74	-6.74	0.00	-169.29	0.00	169.29	1,247.14	296.94	588.87	532.29	20.67	-1.92	0.118
110.00	-36.74	-6.74	0.00	-169.29	0.00	169.29	853.24	223.36	444.19	366.34	20.67	-1.92	0.142
111.00	-33.21	-6.03	0.00	-162.45	0.00	162.45	849.67	221.70	437.62	362.07	21.07	-1.94	0.136
115.00	-31.52	-5.82	0.00	-138.32	0.00	138.32	834.99	215.06	411.80	345.06	22.72	-2.00	0.119
119.13	-29.43	-5.54	0.00	-114.31	0.00	114.31	819.16	208.21	385.99	327.64	24.48	-2.06	0.101
120.00	-28.57	-5.35	0.00	-109.46	0.00	109.46	815.71	206.76	380.63	323.96	24.86	-2.07	0.051
121.00	-27.77	-5.24	0.00	-104.11	0.00	104.11	811.73	205.10	374.54	319.77	25.29	-2.08	0.048
121.00	-27.77	-5.24	0.00	-104.11	0.00	104.11	811.73	205.10	374.54	319.77	25.29	-2.08	0.079
124.50	-26.11	-5.00	0.00	-85.76	0.00	85.76	797.47	199.29	353.62	305.16	26.83	-2.10	0.067
124.50	-26.11	-5.00	0.00	-85.76	0.00	85.76	797.47	199.29	353.62	305.16	26.83	-2.10	0.314
125.00	-25.90	-4.97	0.00	-83.26	0.00	83.26	795.39	198.46	350.69	303.09	27.05	-2.10	0.308

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

4/30/2021 8:37:34 AM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 1.50 in Radial Ice

25 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

127.00	-23.19	-4.48	0.00	-73.33	0.00	73.33	786.97	195.14	339.05	294.81	27.95	-2.19	0.279
130.00	-18.99	-3.55	0.00	-59.87	0.00	59.87	774.02	190.16	321.97	282.49	29.36	-2.31	0.237
135.00	-18.24	-3.47	0.00	-42.13	0.00	42.13	751.62	181.86	294.48	262.21	31.87	-2.47	0.185
140.00	-11.43	-2.24	0.00	-23.88	0.00	23.88	728.18	173.55	268.22	242.31	34.53	-2.59	0.114
144.00	-10.57	-2.07	0.00	-14.92	0.00	14.92	701.03	166.91	248.09	224.25	36.73	-2.66	0.082
145.00	-10.42	-2.00	0.00	-12.85	0.00	12.85	694.06	165.25	243.18	219.78	37.29	-2.67	0.074
150.00	0.00	-1.51	0.00	-2.84	0.00	2.84	659.19	156.95	219.37	198.13	40.11	-2.71	0.014

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

4/30/2021 8:37:34 AM

Customer: VERIZON WIRELESS

Load Case: 1.0D + 1.0W

Serviceability 60 mph

24 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.00

Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
Seg			Dead	Torsion		Moment	Dead		Dead	Dead		Torsion	Moment
Elev		Wind FX	Load	Wind FX	MY	MZ	Load	Wind FX	Load	Wind FX	Load	MY	MZ
(ft)	Description	(lb)	(lb)	(lb)	(lb-ft)	(lb-ft)	(lb)	(lb)	(lb)	(lb)	(lb)	(lb-ft)	(lb)
0.00		55.2	0.0					0.0	0.0	55.2	0.0	0.0	0.0
5.00		109.2	752.2					6.1	1,533.1	115.3	2,285.3	0.0	0.0
10.00		106.9	736.1					6.1	1,533.1	112.9	2,269.2	0.0	0.0
15.00		106.2	720.0					6.1	1,718.8	112.2	2,438.8	0.0	0.0
20.00		92.7	703.9					6.3	1,718.8	99.0	2,422.7	0.0	0.0
23.60	Reinf. Top Reinf	54.9	496.8					4.7	1,237.5	59.7	1,734.4	0.0	0.0
25.00		71.5	191.0					1.9	481.3	73.4	672.2	0.0	0.0
30.00		72.9	671.7					6.9	1,718.8	79.8	2,390.5	0.0	0.0
31.50	Bot - Section 2	57.4	198.4					2.1	515.6	59.5	714.0	0.0	0.0
35.00		48.2	846.5					5.0	1,203.2	53.2	2,049.7	0.0	0.0
35.67	Top - Section 1	58.1	159.6					1.0	229.2	59.0	388.8	0.0	0.0
40.00		108.5	471.3					6.4	1,489.6	114.9	1,960.9	0.0	0.0
45.00		116.2	531.3					7.5	1,718.8	123.8	2,250.1	0.0	0.0
50.00		115.8	517.9					7.7	1,718.8	123.5	2,236.7	0.0	0.0
55.00		115.1	504.5					7.9	1,718.8	123.0	2,223.3	0.0	0.0
60.00		102.8	491.0					8.0	1,718.8	110.8	2,209.8	0.0	0.0
64.00	Appurtenance(s)	56.8	383.2	199.3	0.0	0.0	126.0	6.5	1,375.0	262.6	1,884.2	0.0	0.0
65.00		52.9	94.5					1.6	343.7	54.5	438.2	0.0	0.0
68.70	Reinf. Top	56.1	344.8					6.1	1,271.8	62.2	1,616.6	0.0	0.0
70.00	Bot - Section 3	54.1	119.4					2.2	360.0	56.2	479.4	0.0	0.0
73.50	Top - Section 2	56.4	575.9					5.9	969.3	62.3	1,545.2	0.0	0.0
75.00		72.3	109.4					2.5	415.4	74.9	524.8	0.0	0.0
80.00		110.1	357.6					5.7	1,164.2	115.8	1,521.8	0.0	0.0
85.00		108.1	346.9					4.3	1,050.6	112.5	1,397.5	0.0	0.0
90.00		106.0	336.2					4.4	1,050.6	110.4	1,386.8	0.0	0.0
95.00		103.8	325.4					4.4	1,050.6	108.3	1,376.1	0.0	0.0
100.00		91.6	314.7					4.5	1,050.6	96.1	1,365.3	0.0	0.0
104.00	Appurtenance(s)	50.3	244.0	92.9	0.0	0.0	560.0	3.6	840.5	146.9	1,644.5	0.0	0.0
105.00		40.2	59.9					0.9	210.1	41.1	270.1	0.0	0.0
108.00	Appurtenance(s)	49.5	177.2	21.3	0.0	85.3	20.0	2.7	630.4	73.6	827.6	0.0	0.0
110.00	Top - Section 3	29.0	116.0					1.8	405.7	30.8	521.7	0.0	0.0
111.00	Appurtenance(s)	47.5	43.1	526.9	0.0	100.1	1,105.7	0.9	202.8	575.3	1,351.7	0.0	0.0
115.00		76.1	169.4					4.6	859.7	80.8	1,029.1	0.0	0.0
119.13	Reinf Bottom	46.2	169.3					7.7	1,093.2	53.9	1,262.5	0.0	0.0
120.00	Appurtenance(s)	17.0	35.2	93.9	0.0	0.0	120.0	1.6	275.7	112.5	430.9	0.0	0.0
121.00	Reinf. Top	40.4	39.9					1.9	510.6	42.2	550.5	0.0	0.0
124.50	Reinf. Top	35.7	137.2					6.6	851.9	42.3	989.1	0.0	0.0
125.00		21.9	19.3					0.9	96.7	22.9	115.9	0.0	0.0
127.00	Appurtenance(s)	43.3	76.3	228.1	0.0	0.0	1,350.0	1.9	253.0	273.3	1,679.3	0.0	0.0
130.00	Appurtenance(s)	67.6	112.1	667.0	0.0	0.0	1,149.8	1.9	312.7	736.5	1,574.6	0.0	0.0
135.00		82.1	180.3					0.0	261.0	82.1	441.3	0.0	0.0
140.00	Appurtenance(s)	71.4	172.3	789.1	0.0	879.8	2,830.4	0.0	261.0	860.5	3,263.6	0.0	0.0
144.00	Appurtenance(s)	38.7	132.0	47.4	0.0	0.0	150.0	2.4	192.1	88.6	474.1	0.0	0.0
145.00		44.7	32.2					0.6	48.0	45.4	80.2	0.0	0.0
150.00	Appurtenance(s)	37.1	156.2	387.8	0.0	0.0	2,450.0	3.2	240.2	428.2	2,846.3	0.0	0.0
Totals:										6,327.79	61,135.6	0.00	0.00

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

4/30/2021 8:37:40 AM

Customer: VERIZON WIRELESS

Load Case: 1.0D + 1.0W

Serviceability 60 mph

24 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.00

Wind Load Factor :1.00

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	-62.95	-7.20	0.00	-801.66	0.00	801.66	3,157.17	784.20	2,737.77	2,376.61	0.00	0.00	0.137
5.00	-60.66	-7.14	0.00	-765.68	0.00	765.68	3,114.35	767.59	2,623.11	2,294.24	0.03	-0.05	0.133
10.00	-58.38	-7.07	0.00	-730.00	0.00	730.00	3,070.50	750.99	2,510.89	2,212.51	0.11	-0.11	0.129
15.00	-55.94	-7.01	0.00	-694.63	0.00	694.63	3,025.61	734.39	2,401.13	2,131.46	0.26	-0.16	0.125
20.00	-53.51	-6.94	0.00	-659.59	0.00	659.59	2,979.68	717.78	2,293.82	2,051.14	0.45	-0.21	0.120
23.60	-51.77	-6.90	0.00	-634.59	0.00	634.59	2,945.97	705.83	2,218.08	1,993.78	0.63	-0.25	0.117
23.60	-51.77	-6.90	0.00	-634.59	0.00	634.59	2,945.97	705.83	2,218.08	1,993.78	0.63	-0.25	0.117
25.00	-51.10	-6.85	0.00	-624.93	0.00	624.93	2,932.71	701.18	2,188.97	1,971.59	0.70	-0.27	0.115
30.00	-48.70	-6.79	0.00	-590.66	0.00	590.66	2,875.21	684.57	2,086.57	1,886.65	1.01	-0.32	0.111
31.50	-47.99	-6.75	0.00	-580.47	0.00	580.47	2,854.29	679.59	2,056.33	1,859.14	1.11	-0.33	0.110
35.00	-45.94	-6.70	0.00	-556.85	0.00	556.85	2,805.48	667.97	1,986.62	1,795.73	1.37	-0.37	0.105
35.67	-45.54	-6.66	0.00	-552.38	0.00	552.38	2,248.07	566.94	1,717.07	1,468.70	1.42	-0.38	0.117
40.00	-43.58	-6.57	0.00	-523.52	0.00	523.52	2,218.59	554.95	1,645.23	1,418.49	1.79	-0.42	0.113
45.00	-41.32	-6.46	0.00	-490.69	0.00	490.69	2,183.60	541.11	1,564.24	1,360.97	2.26	-0.47	0.107
50.00	-39.08	-6.35	0.00	-458.38	0.00	458.38	2,147.58	527.27	1,485.29	1,303.95	2.78	-0.52	0.101
55.00	-36.86	-6.24	0.00	-426.61	0.00	426.61	2,110.52	513.44	1,408.39	1,247.47	3.35	-0.57	0.095
60.00	-34.64	-6.13	0.00	-395.42	0.00	395.42	2,072.42	499.60	1,333.53	1,191.58	3.97	-0.62	0.089
64.00	-32.76	-5.86	0.00	-370.89	0.00	370.89	2,041.18	488.53	1,275.12	1,147.34	4.51	-0.65	0.085
65.00	-32.32	-5.81	0.00	-365.03	0.00	365.03	2,033.27	485.76	1,260.72	1,136.35	4.64	-0.66	0.084
68.70	-30.70	-5.74	0.00	-343.52	0.00	343.52	1,997.21	475.53	1,208.15	1,092.40	5.17	-0.70	0.080
68.70	-30.70	-5.74	0.00	-343.52	0.00	343.52	1,997.21	475.53	1,208.15	1,092.40	5.17	-0.70	0.154
70.00	-30.22	-5.70	0.00	-336.05	0.00	336.05	1,982.10	471.93	1,189.95	1,075.84	5.36	-0.71	0.153
73.50	-28.67	-5.64	0.00	-316.10	0.00	316.10	1,473.96	377.74	952.81	802.32	5.91	-0.77	0.170
75.00	-28.14	-5.59	0.00	-307.64	0.00	307.64	1,466.28	374.42	936.13	791.05	6.15	-0.80	0.167
80.00	-26.61	-5.49	0.00	-279.71	0.00	279.71	1,440.00	363.35	881.62	753.69	7.03	-0.88	0.156
85.00	-25.21	-5.39	0.00	-252.26	0.00	252.26	1,412.68	352.28	828.74	716.65	8.01	-0.97	0.144
90.00	-23.82	-5.29	0.00	-225.31	0.00	225.31	1,384.32	341.21	777.49	679.98	9.07	-1.05	0.132
95.00	-22.44	-5.18	0.00	-198.87	0.00	198.87	1,354.92	330.14	727.89	643.72	10.21	-1.13	0.120
100.00	-21.07	-5.08	0.00	-172.95	0.00	172.95	1,324.47	319.08	679.91	607.94	11.43	-1.20	0.108
104.00	-19.42	-4.91	0.00	-152.61	0.00	152.61	1,299.37	310.22	642.71	579.69	12.46	-1.26	0.097
105.00	-19.15	-4.87	0.00	-147.70	0.00	147.70	1,292.99	308.01	633.57	572.68	12.72	-1.27	0.095
108.00	-18.33	-4.79	0.00	-132.99	0.00	132.99	1,265.73	301.36	606.56	548.38	13.53	-1.31	0.087
110.00	-17.80	-4.75	0.00	-123.41	0.00	123.41	1,247.14	296.94	588.87	532.29	14.09	-1.33	0.083
110.00	-17.80	-4.75	0.00	-123.41	0.00	123.41	853.24	223.36	444.19	366.34	14.09	-1.33	0.099
111.00	-16.46	-4.16	0.00	-118.55	0.00	118.55	849.67	221.70	437.62	362.07	14.37	-1.34	0.095
115.00	-15.43	-4.06	0.00	-101.92	0.00	101.92	834.99	215.06	411.80	345.06	15.52	-1.39	0.084
119.13	-14.17	-3.99	0.00	-85.16	0.00	85.16	819.16	208.21	385.99	327.64	16.74	-1.43	0.072
120.00	-13.74	-3.86	0.00	-81.67	0.00	81.67	815.71	206.76	380.63	323.96	17.00	-1.44	0.035
121.00	-13.19	-3.81	0.00	-77.81	0.00	77.81	811.73	205.10	374.54	319.77	17.30	-1.45	0.033
121.00	-13.19	-3.81	0.00	-77.81	0.00	77.81	811.73	205.10	374.54	319.77	17.30	-1.45	0.054
124.50	-12.20	-3.74	0.00	-64.48	0.00	64.48	797.47	199.29	353.62	305.16	18.37	-1.46	0.046
124.50	-12.20	-3.74	0.00	-64.48	0.00	64.48	797.47	199.29	353.62	305.16	18.37	-1.46	0.227
125.00	-12.09	-3.73	0.00	-62.60	0.00	62.60	795.39	198.46	350.69	303.09	18.53	-1.47	0.222

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

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Customer: VERIZON WIRELESS

Load Case: 1.0D + 1.0W

Serviceability 60 mph

24 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.00

Wind Load Factor :1.00

127.00	-10.41	-3.42	0.00	-55.15	0.00	55.15	786.97	195.14	339.05	294.81	19.16	-1.53	0.201
130.00	-8.85	-2.66	0.00	-44.88	0.00	44.88	774.02	190.16	321.97	282.49	20.15	-1.62	0.171
135.00	-8.41	-2.58	0.00	-31.58	0.00	31.58	751.62	181.86	294.48	262.21	21.91	-1.74	0.132
140.00	-5.17	-1.62	0.00	-17.80	0.00	17.80	728.18	173.55	268.22	242.31	23.79	-1.84	0.081
144.00	-4.70	-1.52	0.00	-11.30	0.00	11.30	701.03	166.91	248.09	224.25	25.35	-1.88	0.057
145.00	-4.62	-1.48	0.00	-9.78	0.00	9.78	694.06	165.25	243.18	219.78	25.75	-1.89	0.051
150.00	0.00	-1.32	0.00	-2.39	0.00	2.39	659.19	156.95	219.37	198.13	27.75	-1.92	0.012

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

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Customer: VERIZON WIRELESS

Equivalent Lateral Forces Method Analysis

Spectral Response Acceleration for Short Period (S_s):	0.17
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 Coefficient 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):	2.90
Redundancy Factor (p):	1.00
Seismic Force Distribution Exponent (k):	2.00
Total Unfactored Dead Load:	62.96 k
Seismic Base Shear (E):	1.89 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)
44	147.50	396	8,623	0.018	35	490
43	144.50	80	1,675	0.004	7	99
42	142.00	324	6,536	0.014	26	401
41	137.50	433	8,191	0.017	33	536
40	132.50	441	7,747	0.016	31	546
39	128.50	425	7,014	0.015	28	526
38	126.00	329	5,229	0.011	21	407
37	124.75	116	1,804	0.004	7	143
36	122.75	989	14,904	0.032	60	1,224
35	120.50	551	7,994	0.017	32	681
34	119.56	311	4,445	0.009	18	385
33	117.06	1,263	17,301	0.037	69	1,562
32	113.00	1,029	13,140	0.028	53	1,273
31	110.50	246	3,003	0.006	12	304
30	109.00	522	6,198	0.013	25	645
29	106.50	808	9,160	0.019	37	999
28	104.50	270	2,949	0.006	12	334
27	102.00	1,085	11,284	0.024	45	1,342
26	97.50	1,365	12,979	0.028	52	1,689
25	92.50	1,376	11,774	0.025	47	1,702
24	87.50	1,387	10,618	0.023	43	1,716
23	82.50	1,398	9,512	0.020	38	1,729
22	77.50	1,522	9,140	0.019	37	1,883
21	74.25	525	2,893	0.006	12	649
20	71.75	1,545	7,955	0.017	32	1,912

Site Number: 302489

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

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Customer: VERIZON WIRELESS

19	69.35	479	2,306	0.005	9	593
18	66.85	1,617	7,225	0.015	29	2,000
17	64.50	438	1,823	0.004	7	542
16	62.00	1,758	6,759	0.014	27	2,175
15	57.50	2,210	7,306	0.016	29	2,734
14	52.50	2,223	6,128	0.013	25	2,750
13	47.50	2,237	5,046	0.011	20	2,767
12	42.50	2,250	4,064	0.009	16	2,784
11	37.83	1,961	2,807	0.006	11	2,426
10	35.33	389	485	0.001	2	481
9	33.25	2,050	2,266	0.005	9	2,536
8	30.75	714	675	0.001	3	883
7	27.50	2,391	1,808	0.004	7	2,957
6	24.30	672	397	0.001	2	832
5	21.80	1,734	824	0.002	3	2,146
4	17.50	2,423	742	0.002	3	2,997
3	12.50	2,439	381	0.001	2	3,017
2	7.50	2,269	128	0.000	1	2,807
1	2.50	2,285	14	0.000	0	2,827
Decibel DB809KE-SY	150.00	26	585	0.001	2	32
Kaelus DBC0061F1V51-	150.00	76	1,721	0.004	7	95
Powerwave Allgon LGP	150.00	42	952	0.002	4	52
Raycap DC6-48-60-18-	150.00	64	1,431	0.003	6	79
Ericsson RRUS A2 B2	150.00	66	1,485	0.003	6	82
Ericsson RRUS 11 (Ba	150.00	165	3,713	0.008	15	204
Ericsson RRUS 32 B30	150.00	180	4,050	0.009	16	223
Ericsson RRUS-11 (19	150.00	153	3,443	0.007	14	189
Ericsson RRUS-12 B2	150.00	174	3,915	0.008	16	215
Ericsson Radio 8843	150.00	255	5,738	0.012	23	315
Powerwave Allgon 777	150.00	105	2,363	0.005	9	130
Diamond X50A	150.00	5	104	0.000	0	6
CCI OPA-65R-LCUU-H8	150.00	264	5,940	0.013	24	327
CCI TPA-65R-LCUUUU-H	150.00	245	5,508	0.012	22	303
Round Side Arm	150.00	450	10,125	0.021	41	557
Platform w/ Handrail	150.00	2,000	45,000	0.095	180	2,474
Stand-Off	144.00	150	3,110	0.007	12	186
Ericsson KRY 112 144	140.00	33	647	0.001	3	41
Ericsson RRUS-11 (50	140.00	150	2,940	0.006	12	186
Ericsson AIR 21, 1.3	140.00	249	4,880	0.010	20	308
Ericsson AIR 21, 1.3	140.00	244	4,792	0.010	19	302
Andrew LNX-6515DS-VT	140.00	154	3,016	0.006	12	190
Platform w/ Handrail	140.00	2,000	39,200	0.083	157	2,474
Samsung Outdoor CBRS	130.00	56	943	0.002	4	69
Samsung B5/B13 RRH-B	130.00	211	3,564	0.008	14	261
Samsung B2/B66A RRH-	130.00	253	4,279	0.009	17	313
Raycap RCMD-6627-PF	130.00	32	541	0.001	2	40
Samsung MT6407-77A	130.00	245	4,137	0.009	17	303
Amphenol Antel BXA-8	130.00	54	913	0.002	4	67
Commscope NHH-65B-R2	130.00	131	2,216	0.005	9	162
Commscope NHHSS-65C-	130.00	168	2,839	0.006	11	208
Round Low Profile PI	127.00	1,350	21,774	0.046	87	1,670
Generic 76" x 6" Pan	120.00	120	1,728	0.004	7	148
DragonWave Horizon C	111.00	21	261	0.001	1	26
Alcatel-Lucent RRH2x	111.00	317	3,911	0.008	16	393
Nokia FZHN Flexi RRH	111.00	132	1,630	0.003	7	164
Alcatel-Lucent 1900M	111.00	180	2,218	0.005	9	223
DragonWave A-ANT-11G	111.00	54	665	0.001	3	67
RFS APXVTM14-ALU-I20	111.00	169	2,077	0.004	8	209
Commscope NNVV-65B-R	111.00	232	2,861	0.006	11	287
Generic 24" x 24" Ju	108.00	20	233	0.000	1	25
Side Arms	104.00	560	6,057	0.013	24	693
Channel Master Type	64.00	126	516	0.001	2	156
		62,955	471,273	1.000	1,889	77,883

Site Number: 302489

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

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Customer: VERIZON WIRELESS

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)
44	147.50	396	8,623	0.018	35	342
43	144.50	80	1,675	0.004	7	69
42	142.00	324	6,536	0.014	26	280
41	137.50	433	8,191	0.017	33	374
40	132.50	441	7,747	0.016	31	381
39	128.50	425	7,014	0.015	28	367
38	126.00	329	5,229	0.011	21	284
37	124.75	116	1,804	0.004	7	100
36	122.75	989	14,904	0.032	60	854
35	120.50	551	7,994	0.017	32	475
34	119.56	311	4,445	0.009	18	268
33	117.06	1,263	17,301	0.037	69	1,089
32	113.00	1,029	13,140	0.028	53	888
31	110.50	246	3,003	0.006	12	212
30	109.00	522	6,198	0.013	25	450
29	106.50	808	9,160	0.019	37	697
28	104.50	270	2,949	0.006	12	233
27	102.00	1,085	11,284	0.024	45	936
26	97.50	1,365	12,979	0.028	52	1,178
25	92.50	1,376	11,774	0.025	47	1,187
24	87.50	1,387	10,618	0.023	43	1,197
23	82.50	1,398	9,512	0.020	38	1,206
22	77.50	1,522	9,140	0.019	37	1,313
21	74.25	525	2,893	0.006	12	453
20	71.75	1,545	7,955	0.017	32	1,333
19	69.35	479	2,306	0.005	9	414
18	66.85	1,617	7,225	0.015	29	1,395
17	64.50	438	1,823	0.004	7	378
16	62.00	1,758	6,759	0.014	27	1,517
15	57.50	2,210	7,306	0.016	29	1,907
14	52.50	2,223	6,128	0.013	25	1,918
13	47.50	2,237	5,046	0.011	20	1,930
12	42.50	2,250	4,064	0.009	16	1,942
11	37.83	1,961	2,807	0.006	11	1,692
10	35.33	389	485	0.001	2	335
9	33.25	2,050	2,266	0.005	9	1,769
8	30.75	714	675	0.001	3	616
7	27.50	2,391	1,808	0.004	7	2,063
6	24.30	672	397	0.001	2	580
5	21.80	1,734	824	0.002	3	1,497
4	17.50	2,423	742	0.002	3	2,090
3	12.50	2,439	381	0.001	2	2,104
2	7.50	2,269	128	0.000	1	1,958
1	2.50	2,285	14	0.000	0	1,972
Decibel DB809KE-SY	150.00	26	585	0.001	2	22
Kaelus DBC0061F1V51-	150.00	76	1,721	0.004	7	66
Powerwave Allgon LGP	150.00	42	952	0.002	4	36
Raycap DC6-48-60-18-	150.00	64	1,431	0.003	6	55
Ericsson RRUS A2 B2	150.00	66	1,485	0.003	6	57
Ericsson RRUS 11 (Ba	150.00	165	3,713	0.008	15	142
Ericsson RRUS 32 B30	150.00	180	4,050	0.009	16	155
Ericsson RRUS-11 (19	150.00	153	3,443	0.007	14	132
Ericsson RRUS-12 B2	150.00	174	3,915	0.008	16	150
Ericsson Radio 8843	150.00	255	5,738	0.012	23	220
Powerwave Allgon 777	150.00	105	2,363	0.005	9	91
Diamond X50A	150.00	5	104	0.000	0	4
CCI OPA-65R-LCUU-H8	150.00	264	5,940	0.013	24	228

Site Number: 302489

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Site Name: Enfd - Enfield, CT

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Customer: VERIZON WIRELESS

CCI TPA-65R-LCUUUU-H	150.00	245	5,508	0.012	22	211
Round Side Arm	150.00	450	10,125	0.021	41	388
Platform w/ Handrail	150.00	2,000	45,000	0.095	180	1,726
Stand-Off	144.00	150	3,110	0.007	12	129
Ericsson KRY 112 144	140.00	33	647	0.001	3	28
Ericsson RRUS-11 (50	140.00	150	2,940	0.006	12	129
Ericsson AIR 21, 1.3	140.00	249	4,880	0.010	20	215
Ericsson AIR 21, 1.3	140.00	244	4,792	0.010	19	211
Andrew LNX-6515DS-VT	140.00	154	3,016	0.006	12	133
Platform w/ Handrail	140.00	2,000	39,200	0.083	157	1,726
Samsung Outdoor CBRS	130.00	56	943	0.002	4	48
Samsung B5/B13 RRH-B	130.00	211	3,564	0.008	14	182
Samsung B2/B66A RRH-	130.00	253	4,279	0.009	17	218
Raycap RCMD-6627-PF	130.00	32	541	0.001	2	28
Samsung MT6407-77A	130.00	245	4,137	0.009	17	211
Amphenol Antel BXA-8	130.00	54	913	0.002	4	47
Commscope NHH-65B-R2	130.00	131	2,216	0.005	9	113
Commscope NHHSS-65C-	130.00	168	2,839	0.006	11	145
Round Low Profile PI	127.00	1,350	21,774	0.046	87	1,165
Generic 76" x 6" Pan	120.00	120	1,728	0.004	7	104
DragonWave Horizon C	111.00	21	261	0.001	1	18
Alcatel-Lucent RRH2x	111.00	317	3,911	0.008	16	274
Nokia FZHN Flexi RRH	111.00	132	1,630	0.003	7	114
Alcatel-Lucent 1900M	111.00	180	2,218	0.005	9	155
DragonWave A-ANT-11G	111.00	54	665	0.001	3	47
RFS APXVTM14-ALU-I20	111.00	169	2,077	0.004	8	145
Commscope NNVV-65B-R	111.00	232	2,861	0.006	11	200
Generic 24" x 24" Ju	108.00	20	233	0.000	1	17
Side Arms	104.00	560	6,057	0.013	24	483
Channel Master Type	64.00	126	516	0.001	2	109
		62,955	471,273	1.000	1,889	54,323

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

4/30/2021 8:37:40 AM

Customer: VERIZON WIRELESS

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	-75.06	-1.90	0.00	-235.79	0.00	235.79	3,157.17	784.20	2,737.77	2,376.61	0.00	0.00	0.050
5.00	-72.25	-1.92	0.00	-226.29	0.00	226.29	3,114.35	767.59	2,623.11	2,294.24	0.01	-0.02	0.049
10.00	-69.23	-1.93	0.00	-216.71	0.00	216.71	3,070.50	750.99	2,510.89	2,212.51	0.03	-0.03	0.047
15.00	-66.23	-1.95	0.00	-207.04	0.00	207.04	3,025.61	734.39	2,401.13	2,131.46	0.08	-0.05	0.046
20.00	-64.09	-1.96	0.00	-197.30	0.00	197.30	2,979.68	717.78	2,293.82	2,051.14	0.13	-0.06	0.044
23.60	-63.25	-1.96	0.00	-190.26	0.00	190.26	2,945.97	705.83	2,218.08	1,993.78	0.19	-0.07	0.043
23.60	-63.25	-1.96	0.00	-190.26	0.00	190.26	2,945.97	705.83	2,218.08	1,993.78	0.19	-0.07	0.043
25.00	-60.30	-1.96	0.00	-187.51	0.00	187.51	2,932.71	701.18	2,188.97	1,971.59	0.21	-0.08	0.042
30.00	-59.41	-1.97	0.00	-177.70	0.00	177.70	2,875.21	684.57	2,086.57	1,886.65	0.30	-0.09	0.041
31.50	-56.88	-1.96	0.00	-174.74	0.00	174.74	2,854.29	679.59	2,056.33	1,859.14	0.33	-0.10	0.040
35.00	-56.40	-1.97	0.00	-167.87	0.00	167.87	2,805.48	667.97	1,986.62	1,795.73	0.41	-0.11	0.039
35.67	-53.97	-1.96	0.00	-166.56	0.00	166.56	2,248.07	566.94	1,717.07	1,468.70	0.42	-0.11	0.043
40.00	-51.19	-1.95	0.00	-158.07	0.00	158.07	2,218.59	554.95	1,645.23	1,418.49	0.53	-0.13	0.042
45.00	-48.42	-1.94	0.00	-148.33	0.00	148.33	2,183.60	541.11	1,564.24	1,360.97	0.67	-0.14	0.039
50.00	-45.67	-1.92	0.00	-138.66	0.00	138.66	2,147.58	527.27	1,485.29	1,303.95	0.83	-0.16	0.037
55.00	-42.93	-1.89	0.00	-129.08	0.00	129.08	2,110.52	513.44	1,408.39	1,247.47	1.00	-0.17	0.035
60.00	-40.76	-1.86	0.00	-119.63	0.00	119.63	2,072.42	499.60	1,333.53	1,191.58	1.19	-0.19	0.033
64.00	-40.06	-1.86	0.00	-112.18	0.00	112.18	2,041.18	488.53	1,275.12	1,147.34	1.35	-0.20	0.032
65.00	-38.06	-1.83	0.00	-110.32	0.00	110.32	2,033.27	485.76	1,260.72	1,136.35	1.39	-0.20	0.031
68.70	-37.47	-1.82	0.00	-103.56	0.00	103.56	1,997.21	475.53	1,208.15	1,092.40	1.55	-0.21	0.030
68.70	-37.47	-1.82	0.00	-103.56	0.00	103.56	1,997.21	475.53	1,208.15	1,092.40	1.55	-0.21	0.055
70.00	-35.55	-1.79	0.00	-101.20	0.00	101.20	1,982.10	471.93	1,189.95	1,075.84	1.60	-0.21	0.054
73.50	-34.91	-1.78	0.00	-94.95	0.00	94.95	1,473.96	377.74	952.81	802.32	1.77	-0.23	0.060
75.00	-33.02	-1.75	0.00	-92.28	0.00	92.28	1,466.28	374.42	936.13	791.05	1.84	-0.24	0.059
80.00	-31.29	-1.71	0.00	-83.54	0.00	83.54	1,440.00	363.35	881.62	753.69	2.10	-0.27	0.055
85.00	-29.58	-1.68	0.00	-74.97	0.00	74.97	1,412.68	352.28	828.74	716.65	2.40	-0.29	0.051
90.00	-27.87	-1.63	0.00	-66.59	0.00	66.59	1,384.32	341.21	777.49	679.98	2.71	-0.31	0.047
95.00	-26.18	-1.58	0.00	-58.43	0.00	58.43	1,354.92	330.14	727.89	643.72	3.06	-0.34	0.042
100.00	-24.84	-1.54	0.00	-50.53	0.00	50.53	1,324.47	319.08	679.91	607.94	3.42	-0.36	0.038
104.00	-23.82	-1.50	0.00	-44.39	0.00	44.39	1,299.37	310.22	642.71	579.69	3.73	-0.38	0.035
105.00	-22.82	-1.46	0.00	-42.89	0.00	42.89	1,292.99	308.01	633.57	572.68	3.81	-0.38	0.034
108.00	-22.15	-1.43	0.00	-38.52	0.00	38.52	1,265.73	301.36	606.56	548.38	4.05	-0.39	0.031
110.00	-21.84	-1.42	0.00	-35.66	0.00	35.66	1,247.14	296.94	588.87	532.29	4.22	-0.40	0.030
110.00	-21.84	-1.42	0.00	-35.66	0.00	35.66	853.24	223.36	444.19	366.34	4.22	-0.40	0.036
111.00	-19.20	-1.29	0.00	-34.25	0.00	34.25	849.67	221.70	437.62	362.07	4.30	-0.40	0.034
115.00	-17.64	-1.22	0.00	-29.07	0.00	29.07	834.99	215.06	411.80	345.06	4.64	-0.41	0.030
119.13	-17.26	-1.20	0.00	-24.04	0.00	24.04	819.16	208.21	385.99	327.64	5.00	-0.43	0.026
120.00	-16.43	-1.16	0.00	-22.99	0.00	22.99	815.71	206.76	380.63	323.96	5.08	-0.43	0.014
121.00	-15.20	-1.09	0.00	-21.84	0.00	21.84	811.73	205.10	374.54	319.77	5.17	-0.43	0.013
121.00	-15.20	-1.09	0.00	-21.84	0.00	21.84	811.73	205.10	374.54	319.77	5.17	-0.43	0.022
124.50	-15.06	-1.08	0.00	-18.03	0.00	18.03	797.47	199.29	353.62	305.16	5.49	-0.43	0.020
124.50	-15.06	-1.08	0.00	-18.03	0.00	18.03	797.47	199.29	353.62	305.16	5.49	-0.43	0.078
125.00	-14.65	-1.06	0.00	-17.49	0.00	17.49	795.39	198.46	350.69	303.09	5.54	-0.44	0.076
127.00	-12.46	-0.93	0.00	-15.38	0.00	15.38	786.97	195.14	339.05	294.81	5.72	-0.45	0.068
130.00	-10.49	-0.81	0.00	-12.59	0.00	12.59	774.02	190.16	321.97	282.49	6.02	-0.48	0.058
135.00	-9.95	-0.78	0.00	-8.53	0.00	8.53	751.62	181.86	294.48	262.21	6.54	-0.51	0.046
140.00	-6.05	-0.50	0.00	-4.64	0.00	4.64	728.18	173.55	268.22	242.31	7.09	-0.54	0.027

Site Number: 302489

Code: ANSI/TIA-222-H

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

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Customer: VERIZON WIRELESS

144.00	-5.77	-0.47	0.00	-2.66	0.00	2.66	701.03	166.91	248.09	224.25	7.54	-0.55	0.020
145.00	-5.28	-0.44	0.00	-2.18	0.00	2.18	694.06	165.25	243.18	219.78	7.66	-0.55	0.018
150.00	0.00	-0.38	0.00	0.00	0.00	0.00	659.19	156.95	219.37	198.13	8.24	-0.56	0.000

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

4/30/2021 8:37:40 AM

Customer: VERIZON WIRELESS

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	-52.35	-1.90	0.00	-230.43	0.00	230.43	3,157.17	784.20	2,737.77	2,376.61	0.00	0.00	0.045
5.00	-50.39	-1.91	0.00	-220.96	0.00	220.96	3,114.35	767.59	2,623.11	2,294.24	0.01	-0.02	0.044
10.00	-48.29	-1.92	0.00	-211.42	0.00	211.42	3,070.50	750.99	2,510.89	2,212.51	0.03	-0.03	0.043
15.00	-46.20	-1.93	0.00	-201.83	0.00	201.83	3,025.61	734.39	2,401.13	2,131.46	0.07	-0.05	0.041
20.00	-44.70	-1.93	0.00	-192.19	0.00	192.19	2,979.68	717.78	2,293.82	2,051.14	0.13	-0.06	0.040
23.60	-44.12	-1.94	0.00	-185.24	0.00	185.24	2,945.97	705.83	2,218.08	1,993.78	0.18	-0.07	0.039
23.60	-44.12	-1.94	0.00	-185.24	0.00	185.24	2,945.97	705.83	2,218.08	1,993.78	0.18	-0.07	0.039
25.00	-42.06	-1.93	0.00	-182.53	0.00	182.53	2,932.71	701.18	2,188.97	1,971.59	0.20	-0.08	0.038
30.00	-41.44	-1.94	0.00	-172.86	0.00	172.86	2,875.21	684.57	2,086.57	1,886.65	0.29	-0.09	0.037
31.50	-39.67	-1.93	0.00	-169.95	0.00	169.95	2,854.29	679.59	2,056.33	1,859.14	0.32	-0.10	0.037
35.00	-39.33	-1.93	0.00	-163.20	0.00	163.20	2,805.48	667.97	1,986.62	1,795.73	0.40	-0.11	0.035
35.67	-37.64	-1.92	0.00	-161.91	0.00	161.91	2,248.07	566.94	1,717.07	1,468.70	0.41	-0.11	0.039
40.00	-35.70	-1.91	0.00	-153.58	0.00	153.58	2,218.59	554.95	1,645.23	1,418.49	0.52	-0.12	0.038
45.00	-33.77	-1.89	0.00	-144.03	0.00	144.03	2,183.60	541.11	1,564.24	1,360.97	0.65	-0.14	0.036
50.00	-31.85	-1.87	0.00	-134.55	0.00	134.55	2,147.58	527.27	1,485.29	1,303.95	0.81	-0.15	0.034
55.00	-29.94	-1.85	0.00	-125.19	0.00	125.19	2,110.52	513.44	1,408.39	1,247.47	0.97	-0.17	0.032
60.00	-28.43	-1.82	0.00	-115.96	0.00	115.96	2,072.42	499.60	1,333.53	1,191.58	1.16	-0.18	0.030
64.00	-27.94	-1.81	0.00	-108.67	0.00	108.67	2,041.18	488.53	1,275.12	1,147.34	1.31	-0.19	0.029
65.00	-26.54	-1.78	0.00	-106.86	0.00	106.86	2,033.27	485.76	1,260.72	1,136.35	1.35	-0.19	0.028
68.70	-26.13	-1.77	0.00	-100.27	0.00	100.27	1,997.21	475.53	1,208.15	1,092.40	1.51	-0.20	0.027
68.70	-26.13	-1.77	0.00	-100.27	0.00	100.27	1,997.21	475.53	1,208.15	1,092.40	1.51	-0.20	0.050
70.00	-24.80	-1.74	0.00	-97.96	0.00	97.96	1,982.10	471.93	1,189.95	1,075.84	1.56	-0.21	0.049
73.50	-24.34	-1.73	0.00	-91.86	0.00	91.86	1,473.96	377.74	952.81	802.32	1.72	-0.22	0.055
75.00	-23.03	-1.70	0.00	-89.26	0.00	89.26	1,466.28	374.42	936.13	791.05	1.79	-0.23	0.054
80.00	-21.82	-1.67	0.00	-80.76	0.00	80.76	1,440.00	363.35	881.62	753.69	2.05	-0.26	0.050
85.00	-20.63	-1.63	0.00	-72.43	0.00	72.43	1,412.68	352.28	828.74	716.65	2.33	-0.28	0.046
90.00	-19.44	-1.58	0.00	-64.30	0.00	64.30	1,384.32	341.21	777.49	679.98	2.64	-0.31	0.042
95.00	-18.26	-1.53	0.00	-56.40	0.00	56.40	1,354.92	330.14	727.89	643.72	2.97	-0.33	0.038
100.00	-17.33	-1.48	0.00	-48.76	0.00	48.76	1,324.47	319.08	679.91	607.94	3.33	-0.35	0.034
104.00	-16.61	-1.45	0.00	-42.82	0.00	42.82	1,299.37	310.22	642.71	579.69	3.63	-0.36	0.031
105.00	-15.91	-1.41	0.00	-41.38	0.00	41.38	1,292.99	308.01	633.57	572.68	3.70	-0.37	0.030
108.00	-15.44	-1.38	0.00	-37.16	0.00	37.16	1,265.73	301.36	606.56	548.38	3.94	-0.38	0.028
110.00	-15.23	-1.37	0.00	-34.39	0.00	34.39	1,247.14	296.94	588.87	532.29	4.10	-0.38	0.027
110.00	-15.23	-1.37	0.00	-34.39	0.00	34.39	853.24	223.36	444.19	366.34	4.10	-0.38	0.032
111.00	-13.39	-1.25	0.00	-33.03	0.00	33.03	849.67	221.70	437.62	362.07	4.18	-0.39	0.031
115.00	-12.30	-1.18	0.00	-28.02	0.00	28.02	834.99	215.06	411.80	345.06	4.51	-0.40	0.027
119.13	-12.03	-1.16	0.00	-23.17	0.00	23.17	819.16	208.21	385.99	327.64	4.86	-0.41	0.023
120.00	-11.46	-1.12	0.00	-22.16	0.00	22.16	815.71	206.76	380.63	323.96	4.94	-0.42	0.012
121.00	-10.60	-1.05	0.00	-21.04	0.00	21.04	811.73	205.10	374.54	319.77	5.02	-0.42	0.011
121.00	-10.60	-1.05	0.00	-21.04	0.00	21.04	811.73	205.10	374.54	319.77	5.02	-0.42	0.019
124.50	-10.50	-1.04	0.00	-17.37	0.00	17.37	797.47	199.29	353.62	305.16	5.33	-0.42	0.017
124.50	-10.50	-1.04	0.00	-17.37	0.00	17.37	797.47	199.29	353.62	305.16	5.33	-0.42	0.070
125.00	-10.22	-1.02	0.00	-16.85	0.00	16.85	795.39	198.46	350.69	303.09	5.38	-0.42	0.068
127.00	-8.69	-0.90	0.00	-14.81	0.00	14.81	786.97	195.14	339.05	294.81	5.56	-0.44	0.061
130.00	-7.31	-0.78	0.00	-12.11	0.00	12.11	774.02	190.16	321.97	282.49	5.84	-0.46	0.052
135.00	-6.94	-0.75	0.00	-8.21	0.00	8.21	751.62	181.86	294.48	262.21	6.34	-0.50	0.041
140.00	-4.22	-0.48	0.00	-4.46	0.00	4.46	728.18	173.55	268.22	242.31	6.88	-0.52	0.024

Site Number: 302489

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144.00	-4.02	-0.46	0.00	-2.55	0.00	2.55	701.03	166.91	248.09	224.25	7.32	-0.53	0.017
145.00	-3.68	-0.42	0.00	-2.10	0.00	2.10	694.06	165.25	243.18	219.78	7.43	-0.53	0.015
150.00	0.00	-0.38	0.00	0.00	0.00	0.00	659.19	156.95	219.37	198.13	7.99	-0.54	0.000

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Engineering Number:13669399_C3_01

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Customer: VERIZON WIRELESS

Analysis Summary

Load Case	Reactions						Max Usage	
	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	30.09	0.00	75.49	0.00	0.00	3385.80	124.50	0.92
0.9D + 1.0W	30.05	0.00	56.60	0.00	0.00	3321.55	124.50	0.89
1.2D + 1.0Di + 1.0Wi	11.39	0.00	107.62	0.00	0.00	1208.36	124.50	0.31
1.2D + 1.0Ev + 1.0Eh	1.90	0.00	75.06	0.00	0.00	235.79	124.50	0.08
0.9D - 1.0Ev + 1.0Eh	1.90	0.00	52.35	0.00	0.00	230.43	124.50	0.07
1.0D + 1.0W	7.20	0.00	62.95	0.00	0.00	801.66	124.50	0.23

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Site Name: Enfd - Enfield, CT

Engineering Number:13669399_C3_01

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Customer: VERIZON WIRELESS

Additional Steel Summary

			Intermediate Connectors				Max Member		
Elev	Elev		Shear	Shear			Pu	phiPn	
From	To		VQ/I	Applied	phiVn				
(ft)	(ft)	Member	(lb/in)	(kips)	(kips)	Ratio	(kip)	(kip)	Ratio
0.00	121.00	(4) SOL-#20 All Thread Bar	478.7	12.9	16.8	0.769	278.6	314.9	0.885
0.00	23.60	(4) SOL-#20 All Thread Bar	225.8	6.1	16.8	0.363	278.5	334.7	0.832
23.60	68.70	(4) SOL-#20 All Thread Bar	260.6	7.8	16.8	0.465	254.3	330.5	0.770
119.13	124.50	(3) SOL-#20 (15 deg Offset)	454.9	13.6	16.8	0.812	113.1	284.5	0.398

			Upper Termination					Lower Termination				
Elev	Elev		Connectors					Connectors				
From	To		MQ/I	phiVn	Num	Num		MQ/I	phiVn	Num	Num	
(ft)	(ft)	Member	(kips)	(kips)	Reqd	Actual	Ratio	(kips)	(kips)	Reqd	Actual	Ratio
0.00	121.00	(4) SOL-#20 All Thread Bar	55.5	12.0	5	10	0.463	0.0	12.0	0	0	0.000
0.00	23.60	(4) SOL-#20 All Thread Bar	0.0	12.0	0	24	0.000	0.0	12.0	0	0	0.000
23.60	68.70	(4) SOL-#20 All Thread Bar	185.8	12.0	16	24	0.645	0.0	12.0	0	0	0.000
119.13	124.50	(3) SOL-#20 (15 deg Offset)	94.0	12.0	8	12	0.653	75.2	12.0	7	12	0.522

Site Name: Enfd - Enfield, CT
Site Number: 302489
Tower Type: MP
Design Loads (Factored) - Analysis per TIA-222-H Standards

Monolithic Mat & Pier Foundation Analysis

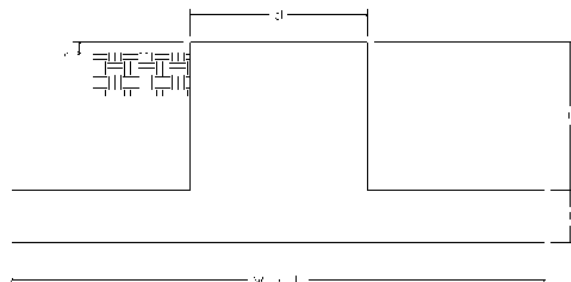
Foundation Analysis Parameters		
Design / Analysis / Mapping:	Analysis	-
Compression/Leg:	75.5	k
Uplift/Leg:	0.0	k
Total Shear:	30.1	k
Moment:	3,385.8	k-ft
Tower + Appurtenance Weight:	280.5	k
Depth to Base of Foundation (l + t - h):	8	ft
Diameter of Pier (d):	5	ft
Length of Pier (l):	5.5	ft
Height of Pier above Ground (h):	0.5	ft
Width of Pad (W):	18	ft
Length of Pad (L):	18	ft
Thickness of Pad (t):	3	ft
Tower Leg Center to Center:	0	ft
Number of Tower Legs:	1	-
Tower Center from Mat Center:	0	ft
Depth Below Ground Surface to Water Table:	99	ft
Unit Weight of Concrete:	150	pcf
Unit Weight of Soil Above Water Table:	115	pcf
Unit Weight of Water:	62.4	pcf
Unit Weight of Soil Below Water Table:	52.6	pcf
Friction Angle of Uplift:	15	°
Coefficient of Shear Friction:	0.3	-
Ultimate Compressive Bearing Pressure:	24,000	psf
Ultimate Passive Pressure on Pad Face:	0	psf
$f_{\text{Soil and Concrete Weight}}$:	0.9	-
f_{Soil} :	0.75	-

Overturning Moment Usage		
Design OTM:	3641.7	k-ft
OTM Resistance:	4682.9	k-ft
Design OTM / OTM Resistance:	78%	Pass

Soil Bearing Pressure Usage		
Net Bearing Pressure:	15336	psf
Factored Nominal Bearing Pressure:	18000	psf
Factored Nominal (Net) Bearing Pressure:	85%	Pass
Load Direction Controlling Design Bearing Pressure:	Diagonal to Pad Edge	

Sliding Factor of Safety		
Ultimate Friction Resistance:	171.2	k
Ultimate Passive Pressure Resistance:	0.0	k
Total Factored Sliding Resistance:	128.4	k
Sliding Design / Sliding Resistance:	23%	Pass

Foundation Steel Parameters		
Shear/Leg (Compression):	20.1	k
Shear/Leg (Uplift):	16.6	k
Concrete Strength (f'_c):	3,000	psi
Pad Tension Steel Depth:	32.38	in
Dead Load Factor:	0.9	-
f_{Shear} :	0.75	-
$f_{\text{Flexure / Tension}}$:	0.9	-
$f_{\text{Compression}}$:	0.65	-
b:	0.85	-
Bottom Pad Rebar Size #:	10	-
# of Bottom Pad Rebar:	34	-
Pad Bottom Steel Area:	43.18	in ²
Pad Steel F_y :	60,000	psi
Top Pad Rebar Size #:	10	-
# of Top Pad Rebar:	34	-
Pad Top Steel Area:	43.18	in ²
Pier Rebar Size #:	11	-
Pier Steel Area (Single Bar):	1.56	in ²
# of Pier Rebar:	52	-
Pier Steel F_y :	60,000	psi
Pier Cage Diameter:	51.6	in
Rebar Strain Limit:	0.008	-
Steel Elastic Modulus:	29,000	ksi
Tie Rebar Size #:	4	-
Tie Steel Area (Single Bar):	0.20	in ²
Tie Spacing:	12	in
Tie Steel F_y :	60,000	psi
Clear Cover:	3	in



Pad Strength Capacity			
Factored One Way Shear (V_u):	465.6	k	
One Way Shear Capacity (fV_c):	480.7	k	ACI 318-14 25.5.5.1
V_u / fV_c :	97%	Pass	
Load Direction Controlling Shear Capacity:	Diagonal to Pad Edge		
Lower Steel Pad Factored Moment (M_u):	2757.3	k-ft	
Lower Steel Pad Moment Capacity (fM_n):	5902.3	k-ft	ACI 318-14 22.3.1.1
M_u / fM_n :	47%	Pass	
Load Direction Controlling Flexural Capacity:	Parallel to Pad Edge		
Upper Steel Pad Factored Moment (M_u):	389.8	k-ft	
Upper Steel Pad Moment Capacity (fM_n):	5902.3	k-ft	
M_u / fM_n :	7%	Pass	
Lower Pad Flexural Reinforcement Ratio:	0.0062		OK - ACI 318-14 7.6.1.1 & 8.6.1.1
Upper Pad Flexural Reinforcement Ratio:	0.0062		OK - ACI 318-14 7.6.1.1 & 8.6.1.1
Pad Shrinkage Reinforcement Ratio:	0.0123		OK - ACI 318-14 24.4.3.2
Lower Pad Reinforcement Spacing:	6.3	in	OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3
Upper Pad Reinforcement Spacing:	6.3	in	OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3
Ultimate Punching Shear Stress, v_u :	62.82	psi	ACI 318-14 R8.4.4.2.3
Nominal Punching Shear Capacity ($f_c v_c$):	164.3	psi	ACI 318-14 22.6.5.2
$v_u / f_c v_c$:	38%	Pass	
Pier Moment Pad Flexure Transfer Ratio, γ_f :	0.60		TIA-222-H 9.4.2
Moment Transfer Effective Flexural Width, B_{eff} :	14.00	ft	TIA-222-H 9.4.2
Moment Transfer Through Pad Flexure:	25569.72	k-in	TIA-222-H 9.4.2
Moment Transfer Flexural Capacity ($fM_{sc,f}$):	57095.97	k-in	
$g_f M_{sc} / fM_{sc,f}$:	0%	Pass	

Pier Strength Capacity			
Factored Moment in Pier (M_u):	3551.4	k-ft	
Pier Moment Capacity (fM_n):	9214.4	k-ft	
M_u / fM_n :	39%	Pass	
Factored Shear in Pier (V_u):	30.1	k	
Pier Shear Capacity (fV_n):	307.4	k	ACI 318-14 22.5.1.1
V_u / fV_c :	10%	Pass	
Pier Shear Reinforcement Ratio:	0.0007		OK - No Ties Necessary for Shear - ACI11.5.6.1
Factored Tension in Pier (T_u):	0.0	k	
Pier Tension Capacity (fT_n):	4380.5	k	
T_u / fT_n :	0%	Pass	
Factored Compression in Pier (P_u):	75.5	k	
Pier Compression Capacity (fP_n):	3690.3	k	ACI 318-14 22.4.2.1
P_u / fP_n :	2%	Pass	
Pier Compression Reinforcement Ratio:	0.029		OK - TIA-222-H 9.4.1
Minimum Depth to Develop Vertical Rebar:	63	in	ACI 318-14 25.4.2.3
Minimum Hook Development Length:	31	in	ACI 318-14 25.4.3.1
Minimum Mat Thickness / Edge Distance from Pier:	34.0	in	
Minimum Foundation Depth:	8.35	ft	
$M_u / f_B M_n + T_u / f_T T_n$:	39%	Pass	



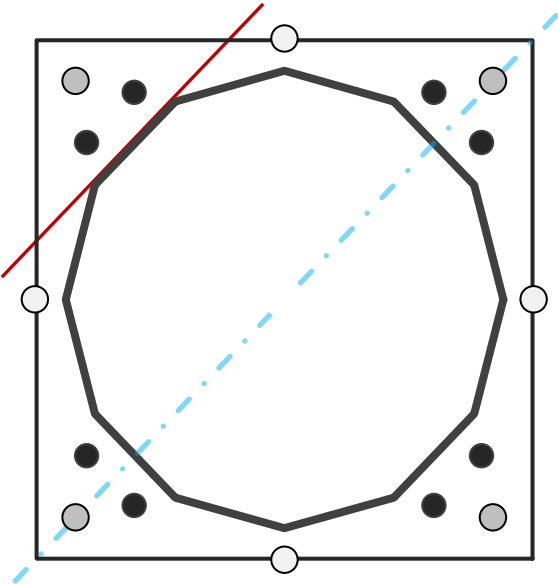
Base Plate & Anchor Rod Analysis

Pole Dimensions		
Number of Sides	12	-
Diameter	37.375	in
Thickness	3/8	in
Orientation Offset	0	°

Base Reactions		
Moment, Mu	3,385.8	k-ft
Axial, Pu	75.5	k
Shear, Vu	30.1	k
Neutral Axis	45	°

Report Capacities		
Component	Capacity	Result
Base Plate	47%	Pass
Anchor Rods	68%	Pass
Dwyidag	72%	Pass

Base Plate		
Shape	Square	-
Width	44	in
Thickness	2 1/2	in
Grade	A572-60	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Clip	0	in
Orientation Offset	0	°
Anchor Rod Detail	d	η=0.5
Clear Distance	3	in
Applied Moment, Mu	985.1	k
Bending Stress, φMn	2086.2	k



Dwyidag Reinforcement		
Quantity	4	-
Bar Size	#20	in
Diameter, ø	2.5	in
Bracket Type	Angle	-
Circle	44.26	in
Orientation Offset	0	°
Applied Force, Pu	263.4	k
Dwyidag Bar, φPn	368.2	k

Original Anchor Rods		
Arrangement	Cluster	-
Quantity	8	-
Diameter, ø	2 1/4	in
Bolt Circle	44	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	6.0	in
Orientation Offset	0	°
Applied Force, Pu	161.7	k
Anchor Rods, φPn	243.6	k

Additional Anchor Rods		
Quantity	4	-
Diameter, ø	2 1/2	in
Bolt Circle	52.4	in
Grade	Other	
Yield Strength, Fy	80	ksi
Tensile Strength, Fu	100	ksi
Bypass Base?	Yes	
Orientation Offset	45	°
Applied Force, Pu	205.0	k
Additional Rod, φPn	299.9	k

Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	30.1	1174.0	0.35
Anchor Rod Forces	30.1	1174.0	0.35
Additional Bolt (Grp1) Forces	0.0	874.6	0.26
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	1337.2	0.39
Stiffener Forces	0.0	0.0	0.00

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in ²	in ²	in ⁴	#	in ⁴
Pole	43.0934	3.5911	0.1692		7376.38
Bolt	3.9761	3.2477	0.8393	4.5	6294.24
Bolt1	4.9087	3.9988	1.2725	4	5495.00
Bolt2	0.0000	0.0000	0.0000	0	0.00
Dywidag	4.9087	4.9087	1.9175		4814.56
Stiffener	0.0000	0.0000	0.0000		0.00

Base Plate		
Shape	Square	-
Width, W	44	in
Thickness, t	2.5	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Base Plate Chord	23.219	in
Detail Type	d	-
Detail Factor	0.50	-
Clear Distance	3	-

Anchor Rods		
Anchor Rod Quantity, N	8	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	44	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	161.7	k
Applied Shear, Vu	0.9	k
Compressive Capacity, φPn	243.6	k
Tensile Capacity, φRnt	0.664	OK
Interaction Capacity	0.671	OK

External Base Plate		
Chord Length AA	24.725	in
Additional AA	0.000	in
Section Modulus, Z	38.633	in ³
Applied Moment, Mu	985.1	k-ft
Bending Capacity, φMn	2086.2	k-ft
Capacity, Mu/φMn	0.472	OK
Chord Length AB	23.403	in
Additional AB	0.000	in
Section Modulus, Z	36.566	in ³
Applied Moment, Mu	771.2	k-ft
Bending Capacity, φMn	1974.6	k-ft
Capacity, Mu/φMn	0.391	OK
Bend Line Length	0.000	in
Additional Bend Line	0.000	in
Section Modulus, Z	0.000	in ³
Applied Moment, Mu	0.0	k-ft
Bending Capacity, φMn	0.0	k-ft
Capacity, Mu/φMn		

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

Additional Bolt Group 1		
Bolt Quantity, N	4	-
Bolt Diameter, d	2.5	in
Bolt Circle, BC	52.4	in
Yield Strength, Fy	80	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	205.0	k
Applied Shear, Vu	0.0	k
Compressive Capacity, φPn	299.9	k
Compressive Capacity, φPn	0.683	OK
Interaction Capacity	0.683	OK

Dywidag Reinforcement		
Dywidag Quantity, N	4	-
Dywidag Diameter, d	2.5	in
Bolt Circle, BC	44.255	in
Yield Strength, Fy	80	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	263.4	k
Compressive Capacity, φPn	368.2	k
Capacity, Pu/φPn	0.716	OK

Flange Plate Analysis

Flange Plate	Plate Type	Flange	@ 110 ft
	Pole Diameter	21.25	in
	Pole Thickness	0.1875	in
	Plate Diameter	28.5	in
	Plate Thickness	1	in
	Plate Fy	60	ksi
	Weld Length	3/16	in
	f _s Resistance	96.45	k-in
	Applied	38.54	k-in

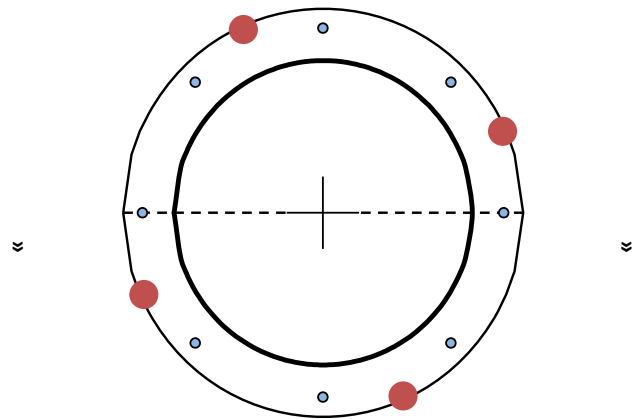
Code Rev.	H
A.S.I.	1.00
Moment	522.8 k-ft
Axial	19.6 k

Date	4/27/2021
Engineer	josh.krehnbrink
Site #	302489
Carrier	VERIZON WIRELESS

Required Flange Thickness:
0.63 in OK

Stiffeners	#	
------------	---	--

Bolts	#	8	
	Bolt Circle (R)adial / (S)quare	25.75 R	in
	Diameter	1	in
	Hole Diameter	1 1/8	in
	Type	A325	
	Fy	92	ksi
	Fu	120	ksi
	f _s Resistance	54.52	k
	Applied	25.69	k



Reinforcement	#	4	
	DYW. Circle	28	in
	Offset Angle	24	°
	Type	#20	
	Diameter	2.72	in
	Fu	100	ksi
	f _s Resistance	464.86	k
	Applied	156.63	k

Plate Stress Ratio:

40% Pass

Bolt Stress Ratio:

47% Pass

Extra Bolts O	#	0	
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Reinforcement Stress Ratio:

34% Pass



Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
(856) 797-0412
peter.albano@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10088395
Maser Consulting Connecticut Project #: 21777518A

July 30, 2021

Site Information

Site ID: 535791-VZW / ENFIELD 4 CT
Site Name: ENFIELD 4 CT
Carrier Name: Verizon Wireless
Address: 400 Ecology Rd
Enfield, Connecticut 06082
Hartford County
Latitude: 41.965903°
Longitude: -72.552692°

Structure Information

Tower Type: 162-Ft Monopole
Mount Type: 12.50-Ft Platform

FUZE ID # 16251544

Analysis Results

Platform: 55.5% Pass

***Contractor PMI Requirements:

Included at the end of this MA report

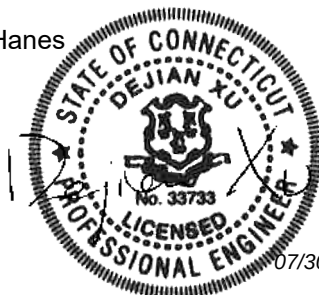
Available & Submitted via portal at <https://pmi.vzwsmart.com>

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

Report Prepared By: Andy Hanes



07/30/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS, Site ID: 323856, dated March 16, 2021</i>
<i>Mount Mapping Report</i>	<i>Roaming Networks Inc., Site ID: 535791, dated May 6, 2021</i>
<i>Previous Mount Analysis</i>	<i>Maser Consulting Connecticut, Project #: 21777518A, dated July 16, 2021</i>
<i>Modification Drawings</i>	<i>Maser Consulting Connecticut, Project #: 21777518A, dated July 30, 2021</i>

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 116 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 : 0.994
Seismic Parameters:	S_s : 0.174 S_1 : 0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
124.50	125.00	3	Samsung	MT6407-77A	Added
		2	Amphenol Antel	BXA-80080-6CF-EDIN-0	Retained
		1	Amphenol Antel	BXA-80080-6CF-EDIN-6	
		3	Commscope	NHH-65B-R2B	
		3	Commscope	NHHSS-65B-R2BT4	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Samsung	CBRS RRH - RT4401-48A	
		1	Raycap	RCMDC-6627-PF-48*	

* Equipment is flush mounted directly to the monopole tower. It is not mounted on the platform mount and is not included in this mount analysis.

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 and field observations. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

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

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - HSS (Rectangular) ASTM 500 (Gr. B-46)
 - Pipe ASTM A53 (Gr. B-35)
 - Threaded Rod F1554 (Gr. 36)
 - Bolts ASTM A325
8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Connection Check	42.4 %	Pass
Face Horizontal	12.6 %	Pass
Standoff Horizontal	31.9 %	Pass
Cross Brace	55.5 %	Pass
Grating Support	15.7 %	Pass
Corner Plate	40.4 %	Pass
Cross Brace Plate	23.5 %	Pass
Mount Pipe	34.6 %	Pass
MOD Support Rail	12.4 %	Pass
MOD Support Rail Corner	19.0 %	Pass
MOD Kicker Kit	4.9 %	Pass

Structure Rating – (Controlling Utilization of all Components)	55.5%
---	--------------

Recommendation:

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

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

Attachments:

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





PAUL J. FORD
& COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

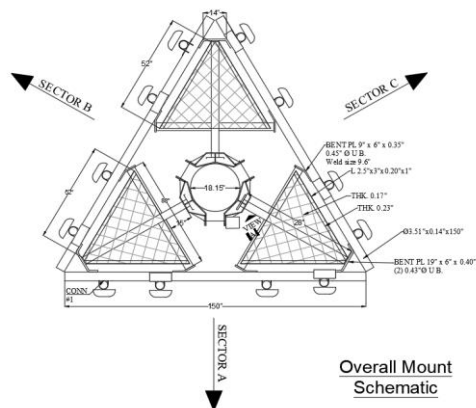
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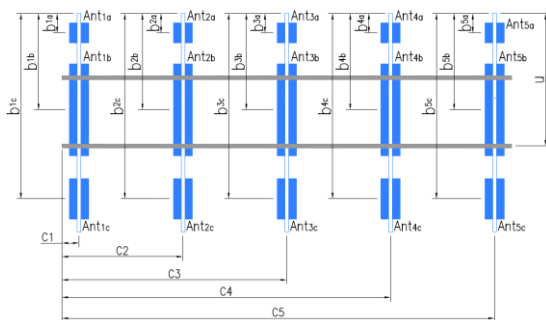
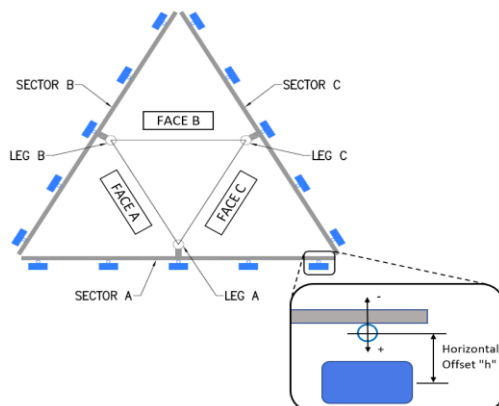
Tower Owner:	American Tower
Site Name:	ENFIELD 4 CT
Site Number or ID:	535791
Mapping Contractor:	Roaming Network

Mapping Date:	05/06/2021.
Tower Type:	Monopole
Tower Height (Ft.):	N/A
Mount Elevation (Ft.):	124.94

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Overall Mount Schematic



Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE Ø 2.38" x0.26"x72"	40.00	21.50	C1	PIPE Ø 2.38" x0.26"x72"	40.00	21.50
A2	PIPE Ø 2.40 x0.19"x72"	40.00	54.00	C2	PIPE Ø 2.40 x0.19"x72"	40.00	54.00
A3	PIPE Ø 2.67" x0.20"x72"	36.00	108.00	C3	PIPE Ø 2.67" x0.20"x72"	36.00	108.00
A4	PIPE Ø 2.40 x0.19"x72"	40.00	132.00	C4	PIPE Ø 2.40 x0.19"x72"	40.00	132.00
A5				C5			
A6				C6			
B1	PIPE Ø 2.38" x0.26"x72"	40.00	21.50	D1			
B2	PIPE Ø 2.40 x0.19"x72"	40.00	54.00	D2			
B3	PIPE Ø 2.67" x0.20"x72"	36.00	108.00	D3			
B4	PIPE Ø 2.40 x0.19"x72"	40.00	132.00	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional information or comments below.							
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):					18.15

[illegible]

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector		Sector B										
Sector A:	60.00	Deg	Leg A:		Deg	Ant _{1a}	SBNHH-1D65B	11.85	7.09	72.87		125.607	32.00	8.00	140.00	246,248
Sector B:	140.00	Deg	Leg B:		Deg	Ant _{1b}	B66a RRH 4x45	12.00	9.00	21.60		127.773	6.00			246,247
Sector C:	240.00	Deg	Leg C:		Deg	Ant _{1c}										
Sector D:		Deg	Leg D:		Deg	Ant _{2a}	BXA70063/4 CFEDIN	11.20	6.5	47.40		125.607	32.00	10.00	140.00	244,245
						Ant _{2b}										
						Ant _{2c}										
Climbing Facility Information						Ant _{3a}	SBNHH-1D65B	11.85	7.09	72.87		125.107	34.00	8.00	140.00	249,252
Location:		Deg	Sector C			Ant _{3b}	B13 RRH 4x30	13.80	8.20	72.00		127.107	10.00			249,250
Climbing Facility	Corrosion Type:		N/A			Ant _{3c}										
	Access:		Climbing path was unobstructed.			Ant _{4a}	BXA800806 CFEDIN6	11.2	7.5	96.00		125.607	32.00	10.00	140.00	253,254
	Condition:		Good condition.			Ant _{4b}										
						Ant _{4c}										
						Ant _{5a}										
						Ant _{5b}										
						Ant _{5c}										
						Ant on Standoff										
						Ant on Standoff										
						Ant on Tower										
						Ant on Tower										
						Sector C										
						Ant _{1a}	SBNHH-1D65B	11.85	7.09	72.87		125.607	32.00	8.00	240.00	246,248
						Ant _{1b}	B66a RRH 4x45	12.00	9.00	21.60		127.773	6.00			246,247
						Ant _{1c}										
						Ant _{2a}	BXA70063/4 CFEDIN	11.20	6.5	47.40		125.607	32.00	10.00	240.00	244,245
						Ant _{2b}										
						Ant _{2c}										
						Ant _{3a}	SBNHH-1D65B	11.85	7.09	72.87		125.107	34.00	8.00	240.00	249,252
						Ant _{3b}	B13 RRH 4x30	13.80	8.20	72.00		127.107	10.00			249,250
						Ant _{3c}										
						Ant _{4a}	BXA800806 CFEDIN6	11.2	7.5	96.00		125.607	32.00	10.00	240.00	253,254
						Ant _{4b}										
						Ant _{4c}										
						Ant _{5a}										
						Ant _{5b}										
						Ant _{5c}										
						Ant on Standoff										
						Ant on Standoff										
						Ant on Tower										
						Ant on Tower										
						Sector D										
						Ant _{1a}										
						Ant _{1b}										
						Ant _{1c}										
						Ant _{2a}										
						Ant _{2b}										
						Ant _{2c}										
						Ant _{3a}										
						Ant _{3b}										
						Ant _{3c}										
						Ant _{4a}										
						Ant _{4b}										
						Ant _{4c}										
						Ant _{5a}										
						Ant _{5b}										
						Ant _{5c}										
						Ant on Standoff										
						Ant on Standoff										
						Ant on Tower										
						Ant on Tower										

TP OF EQUIPMENT

DISTANCE FROM TOP OF MAIN PLATFORM MEMBER TO LOWEST TIP OF ANT/LEG OF CARRIER ABOVE (N/A IF > 10 FT.)

DISTANCE FROM TOP OF MAIN PLATFORM MEMBER TO HIGHEST TIP OF ANT/LEG OF CARRIER BELOW (N/A IF > 10 FT.)

EXISTING PLATFORM

TP OF EQUIPMENT

TP OF EQUIPMENT

DISTANCE FROM TOP OF BOTTOM SUPPORT RAIL TO LOWEST TIP OF ANT/LEG OF CARRIER ABOVE (N/A IF > 10 FT.)

DISTANCE FROM TOP OF BOTTOM SUPPORT RAIL TO HIGHEST TIP OF ANT/LEG OF CARRIER BELOW (N/A IF > 10 FT.)

EXISTING SECTOR FRAME-MOUNT

TP OF EQUIPMENT

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

1		
2		
3		
4		
5		
6		
7		
8		

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

Antenna Mount Mapping Form (PATENT PENDING)

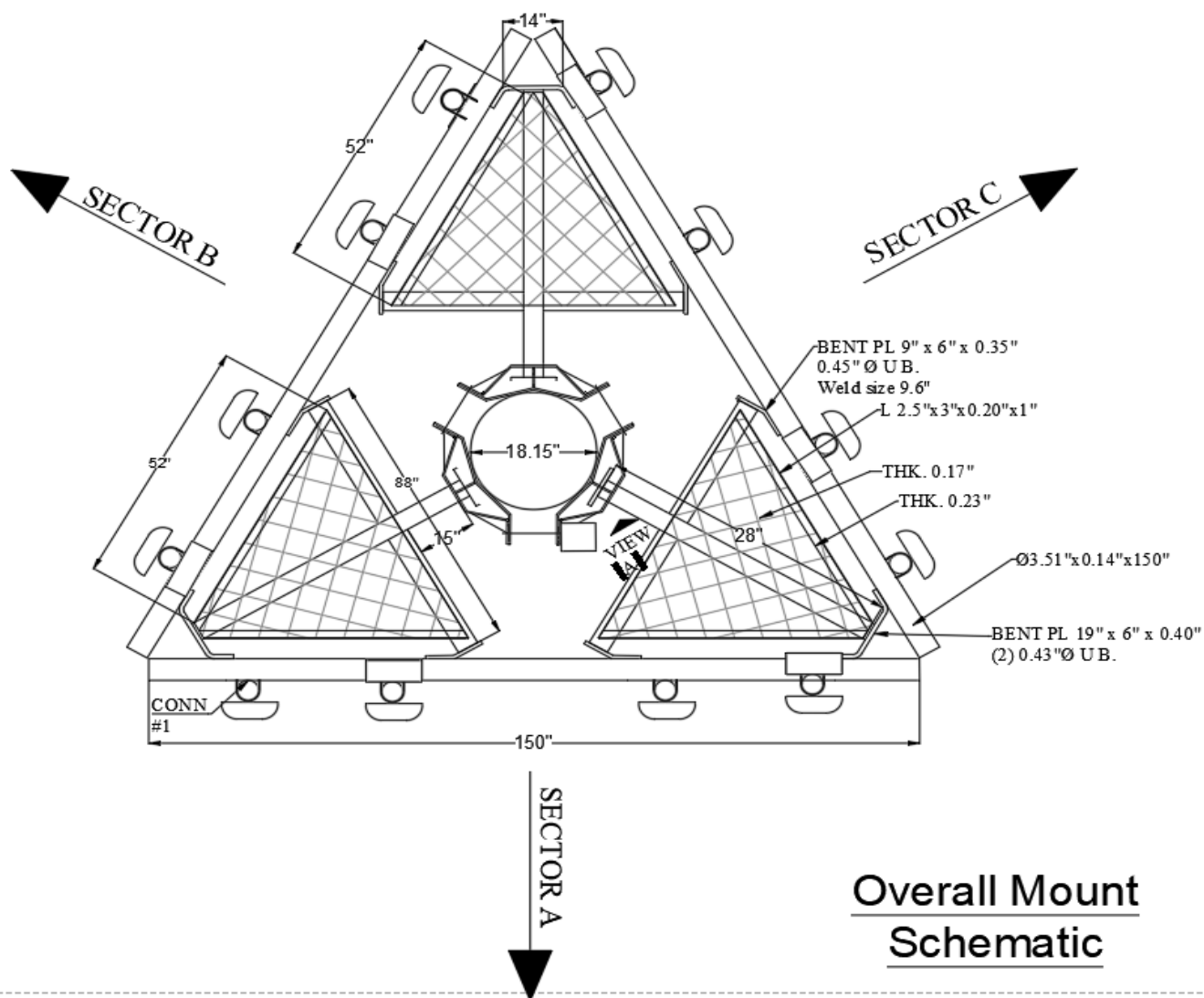
FCC #

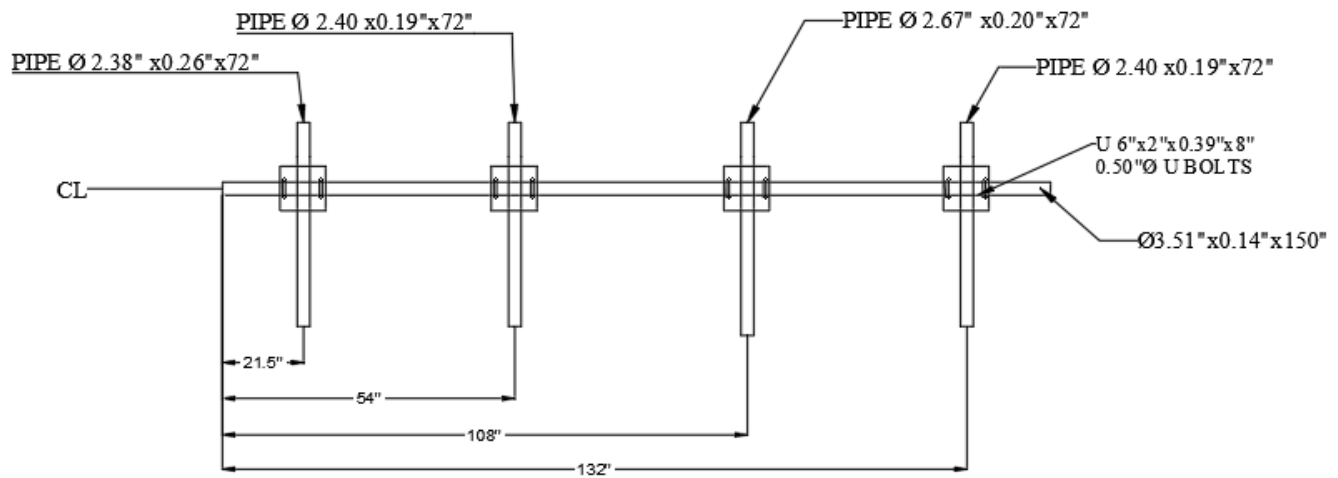
1243085

Tower Owner:	American Tower	Mapping Date:	05/06/2021.
Site Name:	ENFIELD 4 CT	Tower Type:	Monopole
Site Number or ID:	535791	Tower Height (Ft.):	N/A
Mapping Contractor:	Roaming Networks Inc.	Mount Elevation (Ft.):	124.94

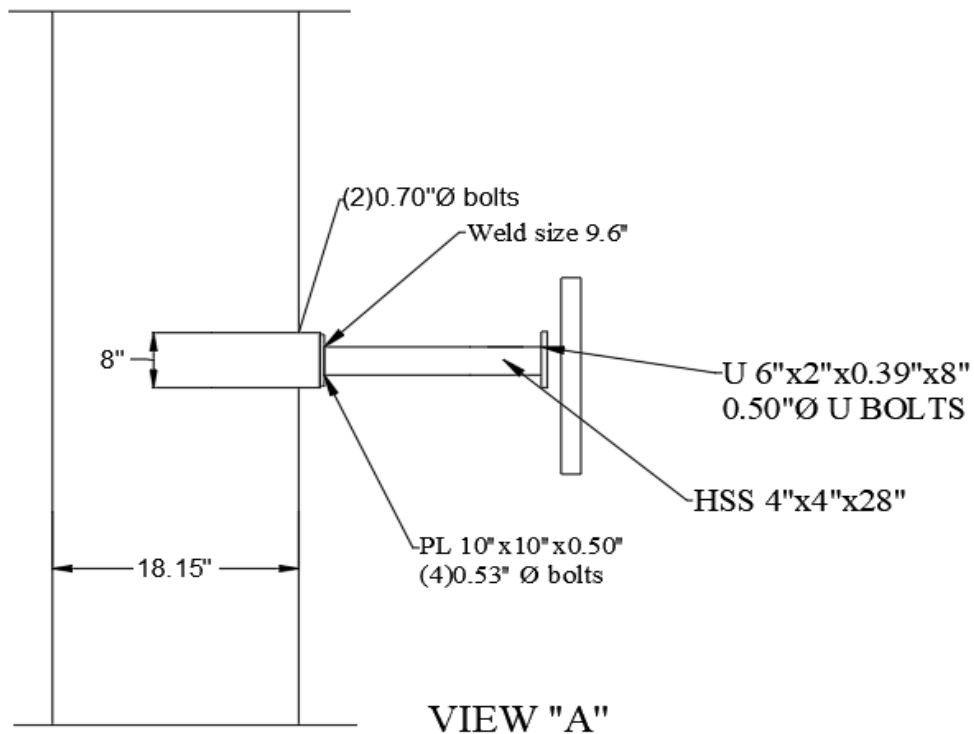
This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

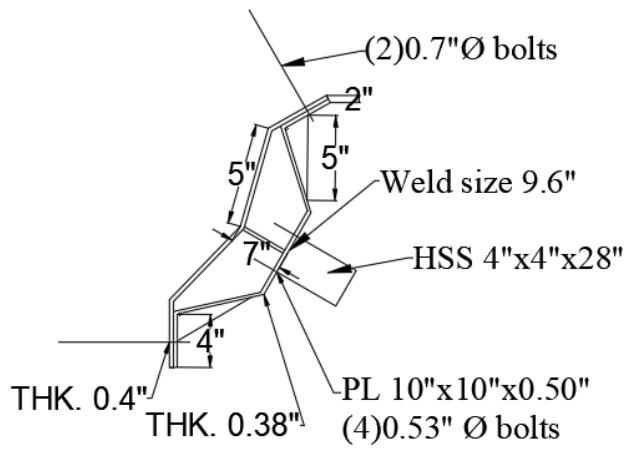
Please Insert Sketches of the Antenna Mount



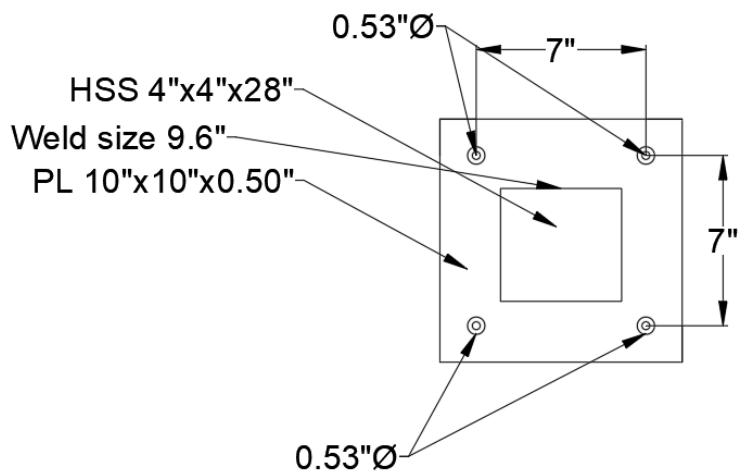


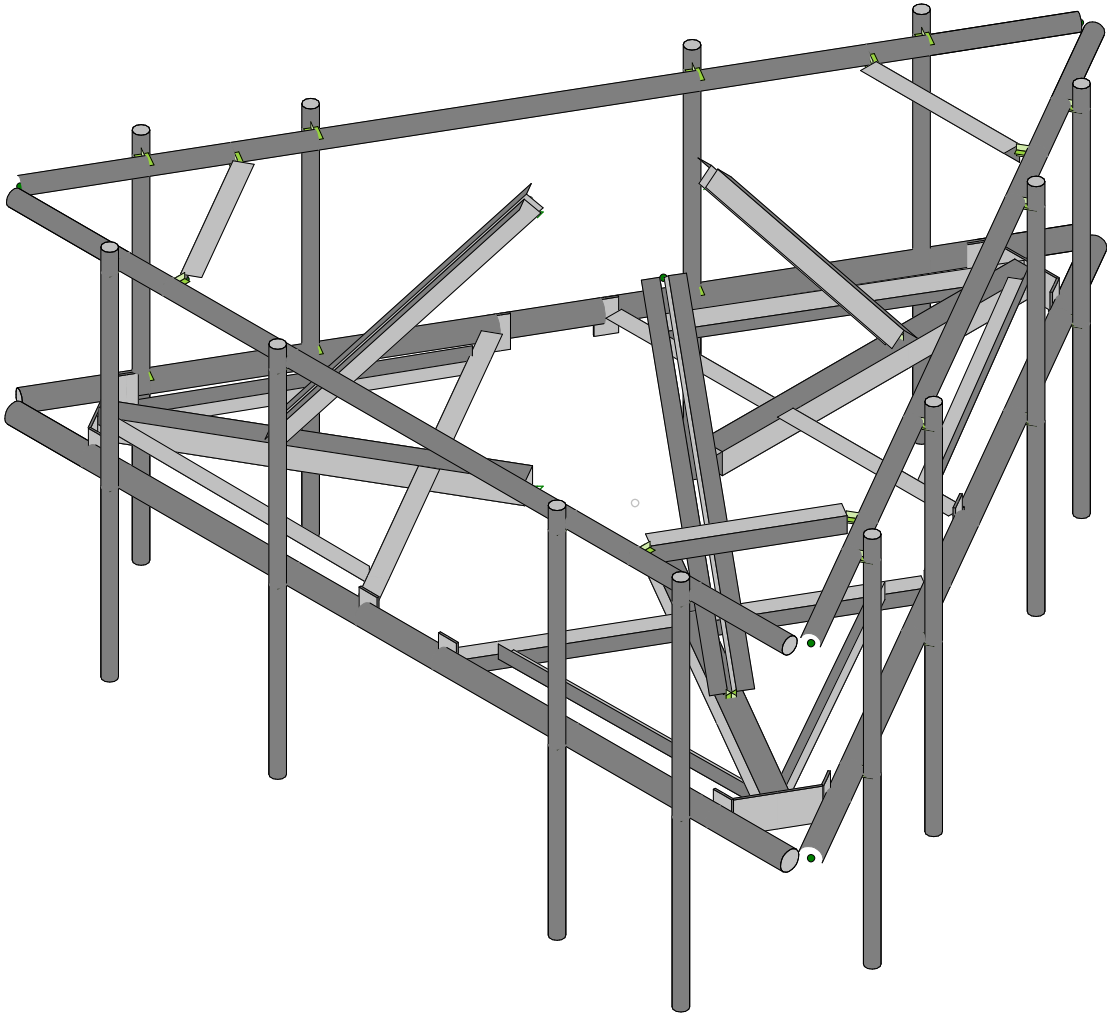
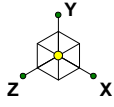
SECTOR A,B,C





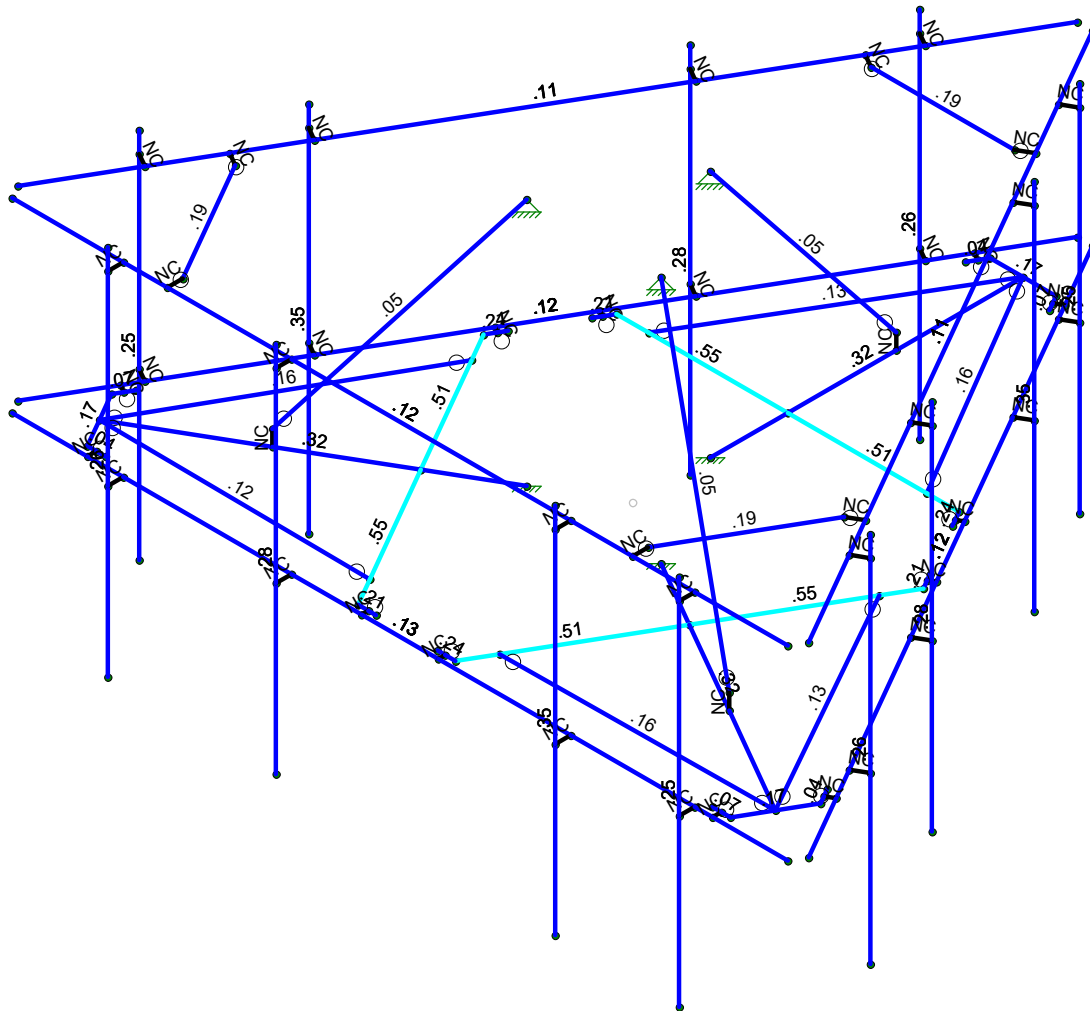
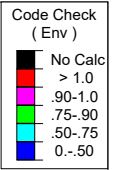
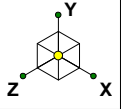
CONNECTION 2





Envelope Only Solution

		SK - 3
		July 29, 2021 at 10:10 AM
		535791-VZW_MT_LO_H.r3d

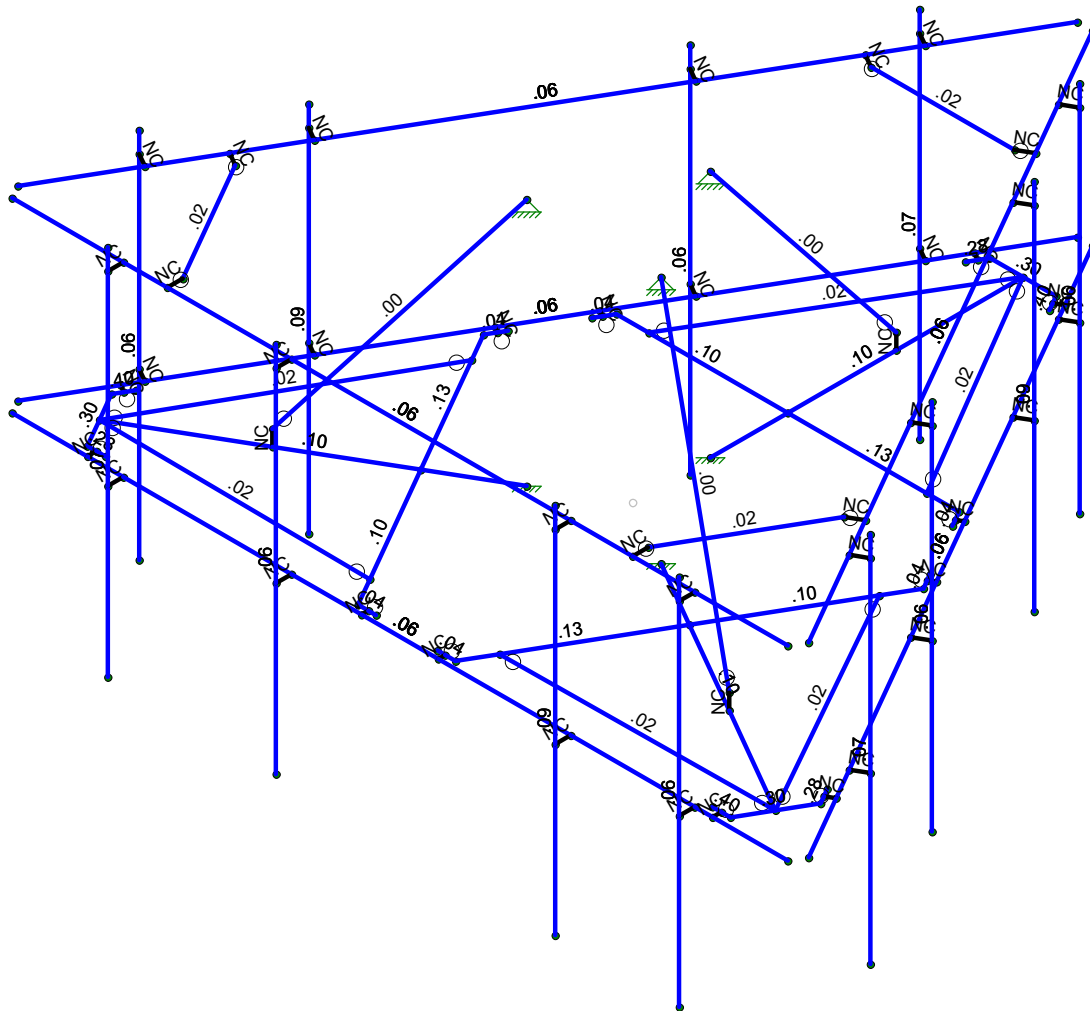
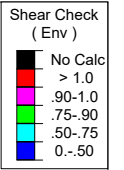
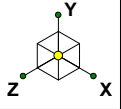


Member Code Checks Displayed (Enveloped)
Envelope Only Solution

SK - 4

July 29, 2021 at 10:10 AM

535791-VZW_MT_LO_H.r3d



Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					99		
2	Antenna Di	None					99		
3	Antenna Wo (0 Deg)	None					99		
4	Antenna Wo (30 Deg)	None					99		
5	Antenna Wo (60 Deg)	None					99		
6	Antenna Wo (90 Deg)	None					99		
7	Antenna Wo (120 Deg)	None					99		
8	Antenna Wo (150 Deg)	None					99		
9	Antenna Wo (180 Deg)	None					99		
10	Antenna Wo (210 Deg)	None					99		
11	Antenna Wo (240 Deg)	None					99		
12	Antenna Wo (270 Deg)	None					99		
13	Antenna Wo (300 Deg)	None					99		
14	Antenna Wo (330 Deg)	None					99		
15	Antenna Wi (0 Deg)	None					99		
16	Antenna Wi (30 Deg)	None					99		
17	Antenna Wi (60 Deg)	None					99		
18	Antenna Wi (90 Deg)	None					99		
19	Antenna Wi (120 Deg)	None					99		
20	Antenna Wi (150 Deg)	None					99		
21	Antenna Wi (180 Deg)	None					99		
22	Antenna Wi (210 Deg)	None					99		
23	Antenna Wi (240 Deg)	None					99		
24	Antenna Wi (270 Deg)	None					99		
25	Antenna Wi (300 Deg)	None					99		
26	Antenna Wi (330 Deg)	None					99		
27	Antenna Wm (0 Deg)	None					99		
28	Antenna Wm (30 Deg)	None					99		
29	Antenna Wm (60 Deg)	None					99		
30	Antenna Wm (90 Deg)	None					99		
31	Antenna Wm (120 Deg)	None					99		
32	Antenna Wm (150 Deg)	None					99		
33	Antenna Wm (180 Deg)	None					99		
34	Antenna Wm (210 Deg)	None					99		
35	Antenna Wm (240 Deg)	None					99		
36	Antenna Wm (270 Deg)	None					99		
37	Antenna Wm (300 Deg)	None					99		
38	Antenna Wm (330 Deg)	None					99		
39	Structure D	None		-1					3
40	Structure Di	None						54	3
41	Structure Wo (0 Deg)	None						108	
42	Structure Wo (30 Deg)	None						108	
43	Structure Wo (60 Deg)	None						108	
44	Structure Wo (90 Deg)	None						108	
45	Structure Wo (120 D...	None						108	
46	Structure Wo (150 D...	None						108	
47	Structure Wo (180 D...	None						108	
48	Structure Wo (210 D...	None						108	
49	Structure Wo (240 D...	None						108	
50	Structure Wo (270 D...	None						108	
51	Structure Wo (300 D...	None						108	
52	Structure Wo (330 D...	None						108	
53	Structure Wi (0 Deg)	None						108	
54	Structure Wi (30 Deg)	None						108	
55	Structure Wi (60 Deg)	None						108	
56	Structure Wi (90 Deg)	None						108	

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						108	
58	Structure Wi (150 De...	None						108	
59	Structure Wi (180 De...	None						108	
60	Structure Wi (210 De...	None						108	
61	Structure Wi (240 De...	None						108	
62	Structure Wi (270 De...	None						108	
63	Structure Wi (300 De...	None						108	
64	Structure Wi (330 De...	None						108	
65	Structure Wm (0 Deg)	None						108	
66	Structure Wm (30 De...	None						108	
67	Structure Wm (60 De...	None						108	
68	Structure Wm (90 De...	None						108	
69	Structure Wm (120 D...	None						108	
70	Structure Wm (150 D...	None						108	
71	Structure Wm (180 D...	None						108	
72	Structure Wm (210 D...	None						108	
73	Structure Wm (240 D...	None						108	
74	Structure Wm (270 D...	None						108	
75	Structure Wm (300 D...	None						108	
76	Structure Wm (330 D...	None						108	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	BLC 39 Transient Are...	None						21	
82	BLC 40 Transient Are...	None						21	

Load Combinations

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

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N2	-1.082532	0	0.625	0	
3	N3	1.082532	0	0.625	0	
4	N4	0	0	-1.25	0	
5	N5	-6.25	0	3.75	0	
6	N6	6.25	0	3.75	0	
7	N7	0.728953	0	-6.237417	0	
8	N8	0.604167	0	-6.165371	0	
9	N9	0.677083	0	-6.039076	0	
10	N10	0.53125	0	-6.291667	0	
11	N11	-0.53125	0	-6.291667	0	
12	N12	-0.677083	0	-6.039076	0	
13	N13	-0.604167	0	-6.165371	0	
14	N14	-0.728953	0	-6.237417	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N15	-2.760417	0	-2.5	0	
16	N16	2.760417	0	-2.5	0	
17	N17	-2.239583	0	-2.5	0	
18	N18	2.239583	0	-2.5	0	
19	N19	0	0	-6.291667	0	
20	N20	0	0	-2.5	0	
21	N21	2.90625	0	-2.247409	0	
22	N22	2.84375	0	-2.355662	0	
23	N23	-2.90625	0	-2.247409	0	
24	N24	-2.84375	0	-2.355662	0	
25	N25	6.372595	0	3.537659	0	
26	N26	0.122595	0	-7.287659	0	
27	N27	-0.122595	0	-7.287659	0	
28	N28	-6.372595	0	3.537659	0	
29	N29	2.938501	0	-2.410367	0	
30	N30	-2.938501	0	-2.410367	0	
31	N31	-5.766238	0	2.487417	0	
32	N32	-5.641451	0	2.559462	0	
33	N33	-5.568535	0	2.433167	0	
34	N34	-5.714368	0	2.685757	0	
35	N35	-5.183118	0	3.605909	0	
36	N36	-4.891451	0	3.605909	0	
37	N37	-5.037285	0	3.605909	0	
38	N38	-5.037285	0	3.75	0	
39	N39	-0.784855	0	3.640591	0	
40	N40	-3.545272	0	-1.140591	0	
41	N41	-1.045272	0	3.189536	0	
42	N42	-3.284855	0	-0.689536	0	
43	N43	-5.448743	0	3.145833	0	
44	N44	-2.165064	0	1.25	0	
45	N45	-3.399439	0	-1.393182	0	
46	N46	-3.461939	0	-1.284929	0	
47	N47	-0.493189	0	3.640591	0	
48	N48	-0.618189	0	3.640591	0	
49	N49	-3.55669	0	-1.339633	0	
50	N50	-0.618189	0	3.75	0	
51	N51	5.037285	0	3.75	0	
52	N52	5.037285	0	3.605909	0	
53	N53	4.891451	0	3.605909	0	
54	N54	5.183118	0	3.605909	0	
55	N55	5.714368	0	2.685757	0	
56	N56	5.568535	0	2.433167	0	
57	N57	5.641451	0	2.559462	0	
58	N58	5.766238	0	2.487417	0	
59	N59	3.545272	0	-1.140591	0	
60	N60	0.784855	0	3.640591	0	
61	N61	3.284855	0	-0.689536	0	
62	N62	1.045272	0	3.189536	0	
63	N63	5.448743	0	3.145833	0	
64	N64	2.165064	0	1.25	0	
65	N65	0.493189	0	3.640591	0	
66	N66	0.618189	0	3.640591	0	
67	N67	3.399439	0	-1.393182	0	
68	N68	3.461939	0	-1.284929	0	
69	N69	0.618189	0	3.75	0	
70	N70	3.55669	0	-1.339633	0	
71	N71	-4.458333	0	3.75	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N72	-1.75	0	3.75	0	
73	N73	2.75	0	3.75	0	
74	N74	4.75	0	3.75	0	
75	N75	-4.458333	0	4	0	
76	N76	-1.75	0	4	0	
77	N77	2.75	0	4	0	
78	N78	4.75	0	4	0	
79	N79	-4.458333	3.333333	4	0	
80	N80	-1.75	3.333333	4	0	
81	N81	2.75	3.333333	4	0	
82	N82	4.75	3.333333	4	0	
83	N83	-4.458333	-2.666667	4	0	
84	N84	-1.75	-2.666667	4	0	
85	N85	2.75	-2.666667	4	0	
86	N86	4.75	-2.666667	4	0	
87	N87	5.476762	0	1.98603	0	
88	N88	4.122595	0	-0.359456	0	
89	N89	1.872595	0	-4.25657	0	
90	N90	0.872595	0	-5.988621	0	
91	N91	5.693268	0	1.86103	0	
92	N92	4.339102	0	-0.484456	0	
93	N93	2.089102	0	-4.38157	0	
94	N94	1.089102	0	-6.113621	0	
95	N95	5.693268	3.333333	1.86103	0	
96	N96	4.339102	3.333333	-0.484456	0	
97	N97	2.089102	3.333333	-4.38157	0	
98	N98	1.089102	3.333333	-6.113621	0	
99	N99	5.693268	-2.666667	1.86103	0	
100	N100	4.339102	-2.666667	-0.484456	0	
101	N101	2.089102	-2.666667	-4.38157	0	
102	N102	1.089102	-2.666667	-6.113621	0	
103	N103	-1.018429	0	-5.73603	0	
104	N104	-2.372595	0	-3.390544	0	
105	N105	-4.622595	0	0.50657	0	
106	N106	-5.622595	0	2.238621	0	
107	N107	-1.234935	0	-5.86103	0	
108	N108	-2.589102	0	-3.515544	0	
109	N109	-4.839102	0	0.38157	0	
110	N110	-5.839102	0	2.113621	0	
111	N111	-1.234935	3.333333	-5.86103	0	
112	N112	-2.589102	3.333333	-3.515544	0	
113	N113	-4.839102	3.333333	0.38157	0	
114	N114	-5.839102	3.333333	2.113621	0	
115	N115	-1.234935	-2.666667	-5.86103	0	
116	N116	-2.589102	-2.666667	-3.515544	0	
117	N117	-4.839102	-2.666667	0.38157	0	
118	N118	-5.839102	-2.666667	2.113621	0	
119	N119	-6.25	3	3.75	0	
120	N120	6.25	3	3.75	0	
121	N121	6.372595	3	3.537659	0	
122	N122	0.122595	3	-7.287659	0	
123	N123	-0.122595	3	-7.287659	0	
124	N124	-6.372595	3	3.537659	0	
125	N125	-4.458333	3	3.75	0	
126	N126	-1.75	3	3.75	0	
127	N127	2.75	3	3.75	0	
128	N128	4.75	3	3.75	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N129	-4.458333	3	4	0	
130	N130	-1.75	3	4	0	
131	N131	2.75	3	4	0	
132	N132	4.75	3	4	0	
133	N133	5.476762	3	1.98603	0	
134	N134	4.122595	3	-0.359456	0	
135	N135	1.872595	3	-4.25657	0	
136	N136	0.872595	3	-5.988621	0	
137	N137	5.693268	3	1.86103	0	
138	N138	4.339102	3	-0.484456	0	
139	N139	2.089102	3	-4.38157	0	
140	N140	1.089102	3	-6.113621	0	
141	N141	-1.018429	3	-5.73603	0	
142	N142	-2.372595	3	-3.390544	0	
143	N143	-4.622595	3	0.50657	0	
144	N144	-5.622595	3	2.238621	0	
145	N145	-1.234935	3	-5.86103	0	
146	N146	-2.589102	3	-3.515544	0	
147	N147	-4.839102	3	0.38157	0	
148	N148	-5.839102	3	2.113621	0	
149	N149	-3.75	3	3.75	0	
150	N150	3.75	3	3.75	0	
151	N151	-3.75	3	3.5	0	
152	N152	3.75	3	3.5	0	
153	N153	5.122595	3	1.372595	0	
154	N154	1.372595	3	-5.122595	0	
155	N155	4.906089	3	1.497595	0	
156	N156	1.156089	3	-4.997595	0	
157	N157	-1.372595	3	-5.122595	0	
158	N158	-5.122595	3	1.372595	0	
159	N159	-1.156089	3	-4.997595	0	
160	N160	-4.906089	3	1.497595	0	
161	N161	0	0	-4.25	0	
162	N162	0	4	-1.25	0	
163	N163	0	.25	-4.25	0	
164	N164	-3.680608	0	2.125	0	
165	N165	-1.082532	4	.625	0	
166	N166	-3.680608	.25	2.125	0	
167	N167	3.680608	0	2.125	0	
168	N168	1.082532	4	.625	0	
169	N169	3.680608	.25	2.125	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	None	None	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	None	None	A53 Gr.B	Typical	3.37	7.8	7.8	12.8
3	Cross Brace	L3X2.5X3	None	None	A36 Gr.36	Typical	1	.568	.899	.013
4	Grating Support	L3X2.5X3	None	None	A36 Gr.36	Typical	1	.568	.899	.013
5	Corner Plate	PL3/8x6	None	None	A36 Gr.36	Typical	2.25	.026	6.75	.101
6	Cross Brace Plate	PL3/8x6	None	None	A36 Gr.36	Typical	2.25	.026	6.75	.101
7	Mount Pipe	PIPE 2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	MOD Support Rail	PIPE 2.5	None	None	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	MOD Support Rail...	L3X3X4	None	None	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	MOD Kicker Kit	LL3x3x3x3	None	None	A36 Gr.36	Typical	2.18	4.09	1.9	.027

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N5	N6			Face Horizontal	None	None	A53 Gr.B	Typical
2	M2	N27	N28			Face Horizontal	None	None	A53 Gr.B	Typical
3	M3	N25	N26			Face Horizontal	None	None	A53 Gr.B	Typical
4	M4	N19	N4			Standoff Horiz...	None	None	A53 Gr.B	Typical
5	M5	N43	N2			Standoff Horiz...	None	None	A53 Gr.B	Typical
6	M6	N63	N3			Standoff Horiz...	None	None	A53 Gr.B	Typical
7	M7	N15	N20		90	Cross Brace	None	None	A36 Gr.36	Typical
8	M8	N20	N16		90	Cross Brace	None	None	A36 Gr.36	Typical
9	M9	N39	N44		90	Cross Brace	None	None	A36 Gr.36	Typical
10	M10	N44	N40		90	Cross Brace	None	None	A36 Gr.36	Typical
11	M11	N59	N64		90	Cross Brace	None	None	A36 Gr.36	Typical
12	M12	N64	N60		90	Cross Brace	None	None	A36 Gr.36	Typical
13	M13	N17	N19			Grating Support	None	None	A36 Gr.36	Typical
14	M14	N18	N19		270	Grating Support	None	None	A36 Gr.36	Typical
15	M15	N41	N43			Grating Support	None	None	A36 Gr.36	Typical
16	M16	N42	N43		270	Grating Support	None	None	A36 Gr.36	Typical
17	M17	N61	N63			Grating Support	None	None	A36 Gr.36	Typical
18	M18	N62	N63		270	Grating Support	None	None	A36 Gr.36	Typical
19	M19	N9	N10			Corner Plate	None	None	A36 Gr.36	Typical
20	M20	N10	N11			Corner Plate	None	None	A36 Gr.36	Typical
21	M21	N11	N12			Corner Plate	None	None	A36 Gr.36	Typical
22	M22	N33	N34			Corner Plate	None	None	A36 Gr.36	Typical
23	M23	N34	N35			Corner Plate	None	None	A36 Gr.36	Typical
24	M24	N35	N36			Corner Plate	None	None	A36 Gr.36	Typical
25	M25	N53	N54			Corner Plate	None	None	A36 Gr.36	Typical
26	M26	N54	N55			Corner Plate	None	None	A36 Gr.36	Typical
27	M27	N55	N56			Corner Plate	None	None	A36 Gr.36	Typical
28	M28	N16	N21			Cross Brace Pl...	None	None	A36 Gr.36	Typical
29	M29	N15	N23			Cross Brace Pl...	None	None	A36 Gr.36	Typical
30	M30	N40	N45			Cross Brace Pl...	None	None	A36 Gr.36	Typical
31	M31	N39	N47			Cross Brace Pl...	None	None	A36 Gr.36	Typical
32	M32	N60	N65			Cross Brace Pl...	None	None	A36 Gr.36	Typical
33	M33	N59	N67			Cross Brace Pl...	None	None	A36 Gr.36	Typical
34	MP1A	N82	N86			Mount Pipe	None	None	A53 Gr.B	Typical
35	MP2A	N81	N85			Mount Pipe	None	None	A53 Gr.B	Typical
36	MP3A	N80	N84			Mount Pipe	None	None	A53 Gr.B	Typical
37	MP4A	N79	N83			Mount Pipe	None	None	A53 Gr.B	Typical
38	MP1B	N114	N118			Mount Pipe	None	None	A53 Gr.B	Typical
39	MP2B	N113	N117			Mount Pipe	None	None	A53 Gr.B	Typical
40	MP3B	N112	N116			Mount Pipe	None	None	A53 Gr.B	Typical
41	MP4B	N111	N115			Mount Pipe	None	None	A53 Gr.B	Typical
42	MP1C	N98	N102			Mount Pipe	None	None	A53 Gr.B	Typical
43	MP2C	N97	N101			Mount Pipe	None	None	A53 Gr.B	Typical
44	MP3C	N96	N100			Mount Pipe	None	None	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
45	MP4C	N95	N99			Mount Pipe	None	None	A53 Gr.B	Typical
46	M46	N7	N8			RIGID	None	None	RIGID	Typical
47	M47	N13	N14			RIGID	None	None	RIGID	Typical
48	M48	N22	N29			RIGID	None	None	RIGID	Typical
49	M49	N24	N30			RIGID	None	None	RIGID	Typical
50	M50	N31	N32			RIGID	None	None	RIGID	Typical
51	M51	N37	N38			RIGID	None	None	RIGID	Typical
52	M52	N46	N49			RIGID	None	None	RIGID	Typical
53	M53	N48	N50			RIGID	None	None	RIGID	Typical
54	M54	N51	N52			RIGID	None	None	RIGID	Typical
55	M55	N57	N58			RIGID	None	None	RIGID	Typical
56	M56	N66	N69			RIGID	None	None	RIGID	Typical
57	M57	N68	N70			RIGID	None	None	RIGID	Typical
58	M58	N74	N78			RIGID	None	None	RIGID	Typical
59	M59	N73	N77			RIGID	None	None	RIGID	Typical
60	M60	N72	N76			RIGID	None	None	RIGID	Typical
61	M61	N71	N75			RIGID	None	None	RIGID	Typical
62	M62	N90	N94			RIGID	None	None	RIGID	Typical
63	M63	N89	N93			RIGID	None	None	RIGID	Typical
64	M64	N88	N92			RIGID	None	None	RIGID	Typical
65	M65	N87	N91			RIGID	None	None	RIGID	Typical
66	M66	N106	N110			RIGID	None	None	RIGID	Typical
67	M67	N105	N109			RIGID	None	None	RIGID	Typical
68	M68	N104	N108			RIGID	None	None	RIGID	Typical
69	M69	N103	N107			RIGID	None	None	RIGID	Typical
70	M70	N119	N120			MOD Support ...	None	None	A53 Gr.B	Typical
71	M71	N123	N124			MOD Support ...	None	None	A53 Gr.B	Typical
72	M72	N121	N122			MOD Support ...	None	None	A53 Gr.B	Typical
73	M73	N128	N132			RIGID	None	None	RIGID	Typical
74	M74	N127	N131			RIGID	None	None	RIGID	Typical
75	M75	N126	N130			RIGID	None	None	RIGID	Typical
76	M76	N125	N129			RIGID	None	None	RIGID	Typical
77	M77	N136	N140			RIGID	None	None	RIGID	Typical
78	M78	N135	N139			RIGID	None	None	RIGID	Typical
79	M79	N134	N138			RIGID	None	None	RIGID	Typical
80	M80	N133	N137			RIGID	None	None	RIGID	Typical
81	M81	N144	N148			RIGID	None	None	RIGID	Typical
82	M82	N143	N147			RIGID	None	None	RIGID	Typical
83	M83	N142	N146			RIGID	None	None	RIGID	Typical
84	M84	N141	N145			RIGID	None	None	RIGID	Typical
85	M85	N150	N152			RIGID	None	None	RIGID	Typical
86	M86	N149	N151			RIGID	None	None	RIGID	Typical
87	M89	N154	N156			RIGID	None	None	RIGID	Typical
88	M90	N153	N155			RIGID	None	None	RIGID	Typical
89	M93	N158	N160			RIGID	None	None	RIGID	Typical
90	M94	N157	N159			RIGID	None	None	RIGID	Typical
91	M97	N151	N160		90	MOD Support ...	None	None	A36 Gr.36	Typical
92	M98	N155	N152		90	MOD Support ...	None	None	A36 Gr.36	Typical
93	M99	N159	N156		90	MOD Support ...	None	None	A36 Gr.36	Typical
94	M94A	N161	N163			RIGID	None	None	RIGID	Typical
95	M95	N163	N162			MOD Kicker Kit	None	None	A36 Gr.36	Typical
96	M96	N164	N166			RIGID	None	None	RIGID	Typical
97	M97A	N166	N165			MOD Kicker Kit	None	None	A36 Gr.36	Typical
98	M98A	N167	N169			RIGID	None	None	RIGID	Typical
99	M99A	N169	N168			MOD Kicker Kit	None	None	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat.	Analysis ...	Inactive	Seismic...
1	M1						Yes	** NA **			None
2	M2						Yes	** NA **			None
3	M3						Yes	** NA **			None
4	M4						Yes	** NA **			None
5	M5						Yes	** NA **			None
6	M6						Yes	** NA **			None
7	M7						Yes	** NA **			None
8	M8						Yes	** NA **			None
9	M9						Yes	** NA **			None
10	M10						Yes	** NA **			None
11	M11						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	M13	OOOOOX	OOOOOX				Yes	** NA **			None
14	M14	OOOOXO	OOOOXO				Yes	** NA **			None
15	M15	OOOOOX	OOOOOX				Yes	** NA **			None
16	M16	OOOOXO	OOOOXO				Yes	** NA **			None
17	M17	OOOOOX	OOOOOX				Yes	** NA **			None
18	M18	OOOOXO	OOOOXO				Yes	** NA **			None
19	M19						Yes	** NA **			None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	M23						Yes	** NA **			None
24	M24						Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	M28						Yes	** NA **			None
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31						Yes	** NA **			None
32	M32						Yes	** NA **			None
33	M33						Yes	** NA **			None
34	MP1A						Yes	** NA **			None
35	MP2A						Yes	** NA **			None
36	MP3A						Yes	** NA **			None
37	MP4A						Yes	** NA **			None
38	MP1B						Yes	** NA **			None
39	MP2B						Yes	** NA **			None
40	MP3B						Yes	** NA **			None
41	MP4B						Yes	** NA **			None
42	MP1C						Yes	** NA **			None
43	MP2C						Yes	** NA **			None
44	MP3C						Yes	** NA **			None
45	MP4C						Yes	** NA **			None
46	M46	BenPIN					Yes	** NA **			None
47	M47		BenPIN				Yes	** NA **			None
48	M48		BenPIN				Yes	** NA **			None
49	M49		BenPIN				Yes	** NA **			None
50	M50	BenPIN					Yes	** NA **			None
51	M51		BenPIN				Yes	** NA **			None
52	M52		BenPIN				Yes	** NA **			None
53	M53		BenPIN				Yes	** NA **			None
54	M54	BenPIN					Yes	** NA **			None
55	M55		BenPIN				Yes	** NA **			None
56	M56		BenPIN				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
57	M57		BenPIN				Yes	** NA **			None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62						Yes	** NA **			None
63	M63						Yes	** NA **			None
64	M64						Yes	** NA **			None
65	M65						Yes	** NA **			None
66	M66						Yes	** NA **			None
67	M67						Yes	** NA **			None
68	M68						Yes	** NA **			None
69	M69						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes	** NA **			None
74	M74						Yes	** NA **			None
75	M75						Yes	** NA **			None
76	M76						Yes	** NA **			None
77	M77						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	M79						Yes	** NA **			None
80	M80						Yes	** NA **			None
81	M81						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	M83						Yes	** NA **			None
84	M84						Yes	** NA **			None
85	M85	OOOOOX					Yes	** NA **			None
86	M86	OOOOOX					Yes	** NA **			None
87	M89	OOOOOX					Yes	** NA **			None
88	M90	OOOOOX					Yes	** NA **			None
89	M93	OOOOOX					Yes	** NA **			None
90	M94	OOOOOX					Yes	** NA **			None
91	M97						Yes	** NA **			None
92	M98						Yes	** NA **			None
93	M99						Yes	** NA **			None
94	M94A						Yes	** NA **			None
95	M95	BenPIN					Yes	** NA **			None
96	M96						Yes	** NA **			None
97	M97A	BenPIN					Yes	** NA **			None
98	M98A						Yes	** NA **			None
99	M99A	BenPIN					Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-43.55	1.75
2	MP1A	My	-.022	1.75
3	MP1A	Mz	0	1.75
4	MP1A	Y	-43.55	3.75
5	MP1A	My	-.022	3.75
6	MP1A	Mz	0	3.75
7	MP1B	Y	-43.55	1.75
8	MP1B	My	.011	1.75
9	MP1B	Mz	-.019	1.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
10	MP1B	Y	-43.55	3.75
11	MP1B	My	.011	3.75
12	MP1B	Mz	-.019	3.75
13	MP1C	Y	-43.55	1.75
14	MP1C	My	.011	1.75
15	MP1C	Mz	.019	1.75
16	MP1C	Y	-43.55	3.75
17	MP1C	My	.011	3.75
18	MP1C	Mz	.019	3.75
19	MP4A	Y	-9	.25
20	MP4A	My	-.004	.25
21	MP4A	Mz	0	.25
22	MP4A	Y	-9	5.25
23	MP4A	My	-.004	5.25
24	MP4A	Mz	0	5.25
25	MP4C	Y	-9	.25
26	MP4C	My	.002	.25
27	MP4C	Mz	.004	.25
28	MP4C	Y	-9	5.25
29	MP4C	My	.002	5.25
30	MP4C	Mz	.004	5.25
31	MP4B	Y	-9	.25
32	MP4B	My	.002	.25
33	MP4B	Mz	-.004	.25
34	MP4B	Y	-9	5.25
35	MP4B	My	.002	5.25
36	MP4B	Mz	-.004	5.25
37	MP2A	Y	-21.85	.25
38	MP2A	My	-.011	.25
39	MP2A	Mz	.014	.25
40	MP2A	Y	-21.85	5.25
41	MP2A	My	-.011	5.25
42	MP2A	Mz	.014	5.25
43	MP2B	Y	-21.85	.25
44	MP2B	My	-.006	.25
45	MP2B	Mz	-.016	.25
46	MP2B	Y	-21.85	5.25
47	MP2B	My	-.006	5.25
48	MP2B	Mz	-.016	5.25
49	MP2C	Y	-21.85	.25
50	MP2C	My	.017	.25
51	MP2C	Mz	.003	.25
52	MP2C	Y	-21.85	5.25
53	MP2C	My	.017	5.25
54	MP2C	Mz	.003	5.25
55	MP2A	Y	-21.85	.25
56	MP2A	My	-.011	.25
57	MP2A	Mz	-.014	.25
58	MP2A	Y	-21.85	5.25
59	MP2A	My	-.011	5.25
60	MP2A	Mz	-.014	5.25
61	MP2B	Y	-21.85	.25
62	MP2B	My	.017	.25
63	MP2B	Mz	-.003	.25
64	MP2B	Y	-21.85	5.25
65	MP2B	My	.017	5.25
66	MP2B	Mz	-.003	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
67	MP2C	Y	-21.85	.25
68	MP2C	My	-.006	.25
69	MP2C	Mz	.016	.25
70	MP2C	Y	-21.85	5.25
71	MP2C	My	-.006	5.25
72	MP2C	Mz	.016	5.25
73	MP2A	Y	-84.4	2
74	MP2A	My	.042	2
75	MP2A	Mz	0	2
76	MP2B	Y	-84.4	2
77	MP2B	My	-.021	2
78	MP2B	Mz	.037	2
79	MP2C	Y	-84.4	2
80	MP2C	My	-.021	2
81	MP2C	Mz	-.037	2
82	MP3A	Y	-70.3	2
83	MP3A	My	.035	2
84	MP3A	Mz	0	2
85	MP3B	Y	-70.3	2
86	MP3B	My	-.018	2
87	MP3B	Mz	.03	2
88	MP3C	Y	-70.3	2
89	MP3C	My	-.018	2
90	MP3C	Mz	-.03	2
91	MP3A	Y	-18.7	4.5
92	MP3A	My	.009	4.5
93	MP3A	Mz	0	4.5
94	MP3B	Y	-18.7	4.5
95	MP3B	My	-.005	4.5
96	MP3B	Mz	.008	4.5
97	MP3C	Y	-18.7	4.5
98	MP3C	My	-.005	4.5
99	MP3C	Mz	-.008	4.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	Y	-55.815	1.75
2	MP1A	My	-.028	1.75
3	MP1A	Mz	0	1.75
4	MP1A	Y	-55.815	3.75
5	MP1A	My	-.028	3.75
6	MP1A	Mz	0	3.75
7	MP1B	Y	-55.815	1.75
8	MP1B	My	.014	1.75
9	MP1B	Mz	-.024	1.75
10	MP1B	Y	-55.815	3.75
11	MP1B	My	.014	3.75
12	MP1B	Mz	-.024	3.75
13	MP1C	Y	-55.815	1.75
14	MP1C	My	.014	1.75
15	MP1C	Mz	.024	1.75
16	MP1C	Y	-55.815	3.75
17	MP1C	My	.014	3.75
18	MP1C	Mz	.024	3.75
19	MP4A	Y	-70.43	.25
20	MP4A	My	-.035	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
21	MP4A	Mz	0	.25
22	MP4A	Y	-70.43	5.25
23	MP4A	My	-.035	5.25
24	MP4A	Mz	0	5.25
25	MP4C	Y	-70.43	.25
26	MP4C	My	.018	.25
27	MP4C	Mz	.03	.25
28	MP4C	Y	-70.43	5.25
29	MP4C	My	.018	5.25
30	MP4C	Mz	.03	5.25
31	MP4B	Y	-70.43	.25
32	MP4B	My	.018	.25
33	MP4B	Mz	-.03	.25
34	MP4B	Y	-70.43	5.25
35	MP4B	My	.018	5.25
36	MP4B	Mz	-.03	5.25
37	MP2A	Y	-94.568	.25
38	MP2A	My	-.047	.25
39	MP2A	Mz	.059	.25
40	MP2A	Y	-94.568	5.25
41	MP2A	My	-.047	5.25
42	MP2A	Mz	.059	5.25
43	MP2B	Y	-94.568	.25
44	MP2B	My	-.028	.25
45	MP2B	Mz	-.071	.25
46	MP2B	Y	-94.568	5.25
47	MP2B	My	-.028	5.25
48	MP2B	Mz	-.071	5.25
49	MP2C	Y	-94.568	.25
50	MP2C	My	.075	.25
51	MP2C	Mz	.011	.25
52	MP2C	Y	-94.568	5.25
53	MP2C	My	.075	5.25
54	MP2C	Mz	.011	5.25
55	MP2A	Y	-94.568	.25
56	MP2A	My	-.047	.25
57	MP2A	Mz	-.059	.25
58	MP2A	Y	-94.568	5.25
59	MP2A	My	-.047	5.25
60	MP2A	Mz	-.059	5.25
61	MP2B	Y	-94.568	.25
62	MP2B	My	.075	.25
63	MP2B	Mz	-.011	.25
64	MP2B	Y	-94.568	5.25
65	MP2B	My	.075	5.25
66	MP2B	Mz	-.011	5.25
67	MP2C	Y	-94.568	.25
68	MP2C	My	-.028	.25
69	MP2C	Mz	.071	.25
70	MP2C	Y	-94.568	5.25
71	MP2C	My	-.028	5.25
72	MP2C	Mz	.071	5.25
73	MP2A	Y	-70.922	2
74	MP2A	My	.035	2
75	MP2A	Mz	0	2
76	MP2B	Y	-70.922	2
77	MP2B	My	-.018	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP2B	Mz	.031	2
79	MP2C	Y	-70.922	2
80	MP2C	My	-.018	2
81	MP2C	Mz	-.031	2
82	MP3A	Y	-64.026	2
83	MP3A	My	.032	2
84	MP3A	Mz	0	2
85	MP3B	Y	-64.026	2
86	MP3B	My	-.016	2
87	MP3B	Mz	.028	2
88	MP3C	Y	-64.026	2
89	MP3C	My	-.016	2
90	MP3C	Mz	-.028	2
91	MP3A	Y	-32.423	4.5
92	MP3A	My	.016	4.5
93	MP3A	Mz	0	4.5
94	MP3B	Y	-32.423	4.5
95	MP3B	My	-.008	4.5
96	MP3B	Mz	.014	4.5
97	MP3C	Y	-32.423	4.5
98	MP3C	My	-.008	4.5
99	MP3C	Mz	-.014	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.75
2	MP1A	Z	-91.194	1.75
3	MP1A	Mx	0	1.75
4	MP1A	X	0	3.75
5	MP1A	Z	-91.194	3.75
6	MP1A	Mx	0	3.75
7	MP1B	X	0	1.75
8	MP1B	Z	-49.575	1.75
9	MP1B	Mx	.021	1.75
10	MP1B	X	0	3.75
11	MP1B	Z	-49.575	3.75
12	MP1B	Mx	.021	3.75
13	MP1C	X	0	1.75
14	MP1C	Z	-49.575	1.75
15	MP1C	Mx	-.021	1.75
16	MP1C	X	0	3.75
17	MP1C	Z	-49.575	3.75
18	MP1C	Mx	-.021	3.75
19	MP4A	X	0	.25
20	MP4A	Z	-111.761	.25
21	MP4A	Mx	0	.25
22	MP4A	X	0	5.25
23	MP4A	Z	-111.761	5.25
24	MP4A	Mx	0	5.25
25	MP4C	X	0	.25
26	MP4C	Z	-94.31	.25
27	MP4C	Mx	-.041	.25
28	MP4C	X	0	5.25
29	MP4C	Z	-94.31	5.25
30	MP4C	Mx	-.041	5.25
31	MP4B	X	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP4B	Z	-94.31	.25
33	MP4B	Mx	.041	.25
34	MP4B	X	0	5.25
35	MP4B	Z	-94.31	5.25
36	MP4B	Mx	.041	5.25
37	MP2A	X	0	.25
38	MP2A	Z	-156.776	.25
39	MP2A	Mx	-.098	.25
40	MP2A	X	0	5.25
41	MP2A	Z	-156.776	5.25
42	MP2A	Mx	-.098	5.25
43	MP2B	X	0	.25
44	MP2B	Z	-116.927	.25
45	MP2B	Mx	.087	.25
46	MP2B	X	0	5.25
47	MP2B	Z	-116.927	5.25
48	MP2B	Mx	.087	5.25
49	MP2C	X	0	.25
50	MP2C	Z	-116.927	.25
51	MP2C	Mx	-.014	.25
52	MP2C	X	0	5.25
53	MP2C	Z	-116.927	5.25
54	MP2C	Mx	-.014	5.25
55	MP2A	X	0	.25
56	MP2A	Z	-156.776	.25
57	MP2A	Mx	.098	.25
58	MP2A	X	0	5.25
59	MP2A	Z	-156.776	5.25
60	MP2A	Mx	.098	5.25
61	MP2B	X	0	.25
62	MP2B	Z	-116.927	.25
63	MP2B	Mx	.014	.25
64	MP2B	X	0	5.25
65	MP2B	Z	-116.927	5.25
66	MP2B	Mx	.014	5.25
67	MP2C	X	0	.25
68	MP2C	Z	-116.927	.25
69	MP2C	Mx	-.087	.25
70	MP2C	X	0	5.25
71	MP2C	Z	-116.927	5.25
72	MP2C	Mx	-.087	5.25
73	MP2A	X	0	2
74	MP2A	Z	-72.567	2
75	MP2A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	-54.522	2
78	MP2B	Mx	-.024	2
79	MP2C	X	0	2
80	MP2C	Z	-54.522	2
81	MP2C	Mx	.024	2
82	MP3A	X	0	2
83	MP3A	Z	-72.567	2
84	MP3A	Mx	0	2
85	MP3B	X	0	2
86	MP3B	Z	-47.61	2
87	MP3B	Mx	-.021	2
88	MP3C	X	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
89	MP3C	Z	-47.61	2
90	MP3C	Mx	.021	2
91	MP3A	X	0	4.5
92	MP3A	Z	-38.806	4.5
93	MP3A	Mx	0	4.5
94	MP3B	X	0	4.5
95	MP3B	Z	-24.285	4.5
96	MP3B	Mx	-.011	4.5
97	MP3C	X	0	4.5
98	MP3C	Z	-24.285	4.5
99	MP3C	Mx	.011	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	38.661	1.75
2	MP1A	Z	-66.962	1.75
3	MP1A	Mx	-.019	1.75
4	MP1A	X	38.661	3.75
5	MP1A	Z	-66.962	3.75
6	MP1A	Mx	-.019	3.75
7	MP1B	X	17.851	1.75
8	MP1B	Z	-30.919	1.75
9	MP1B	Mx	.018	1.75
10	MP1B	X	17.851	3.75
11	MP1B	Z	-30.919	3.75
12	MP1B	Mx	.018	3.75
13	MP1C	X	38.661	1.75
14	MP1C	Z	-66.962	1.75
15	MP1C	Mx	-.019	1.75
16	MP1C	X	38.661	3.75
17	MP1C	Z	-66.962	3.75
18	MP1C	Mx	-.019	3.75
19	MP4A	X	52.972	.25
20	MP4A	Z	-91.75	.25
21	MP4A	Mx	-.026	.25
22	MP4A	X	52.972	5.25
23	MP4A	Z	-91.75	5.25
24	MP4A	Mx	-.026	5.25
25	MP4C	X	52.972	.25
26	MP4C	Z	-91.75	.25
27	MP4C	Mx	-.026	.25
28	MP4C	X	52.972	5.25
29	MP4C	Z	-91.75	5.25
30	MP4C	Mx	-.026	5.25
31	MP4B	X	44.246	.25
32	MP4B	Z	-76.637	.25
33	MP4B	Mx	.044	.25
34	MP4B	X	44.246	5.25
35	MP4B	Z	-76.637	5.25
36	MP4B	Mx	.044	5.25
37	MP2A	X	71.747	.25
38	MP2A	Z	-124.269	.25
39	MP2A	Mx	-.114	.25
40	MP2A	X	71.747	5.25
41	MP2A	Z	-124.269	5.25
42	MP2A	Mx	-.114	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
43	MP2B	X	51.822	.25
44	MP2B	Z	-89.759	.25
45	MP2B	Mx	.052	.25
46	MP2B	X	51.822	5.25
47	MP2B	Z	-89.759	5.25
48	MP2B	Mx	.052	5.25
49	MP2C	X	71.747	.25
50	MP2C	Z	-124.269	.25
51	MP2C	Mx	.042	.25
52	MP2C	X	71.747	5.25
53	MP2C	Z	-124.269	5.25
54	MP2C	Mx	.042	5.25
55	MP2A	X	71.747	.25
56	MP2A	Z	-124.269	.25
57	MP2A	Mx	.042	.25
58	MP2A	X	71.747	5.25
59	MP2A	Z	-124.269	5.25
60	MP2A	Mx	.042	5.25
61	MP2B	X	51.822	.25
62	MP2B	Z	-89.759	.25
63	MP2B	Mx	.052	.25
64	MP2B	X	51.822	5.25
65	MP2B	Z	-89.759	5.25
66	MP2B	Mx	.052	5.25
67	MP2C	X	71.747	.25
68	MP2C	Z	-124.269	.25
69	MP2C	Mx	-.114	.25
70	MP2C	X	71.747	5.25
71	MP2C	Z	-124.269	5.25
72	MP2C	Mx	-.114	5.25
73	MP2A	X	33.276	2
74	MP2A	Z	-57.636	2
75	MP2A	Mx	.017	2
76	MP2B	X	24.254	2
77	MP2B	Z	-42.009	2
78	MP2B	Mx	-.024	2
79	MP2C	X	33.276	2
80	MP2C	Z	-57.636	2
81	MP2C	Mx	.017	2
82	MP3A	X	32.124	2
83	MP3A	Z	-55.641	2
84	MP3A	Mx	.016	2
85	MP3B	X	19.646	2
86	MP3B	Z	-34.027	2
87	MP3B	Mx	-.02	2
88	MP3C	X	32.124	2
89	MP3C	Z	-55.641	2
90	MP3C	Mx	.016	2
91	MP3A	X	16.983	4.5
92	MP3A	Z	-29.415	4.5
93	MP3A	Mx	.008	4.5
94	MP3B	X	9.723	4.5
95	MP3B	Z	-16.84	4.5
96	MP3B	Mx	-.01	4.5
97	MP3C	X	16.983	4.5
98	MP3C	Z	-29.415	4.5
99	MP3C	Mx	.008	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	42.933	1.75
2	MP1A	Z	-24.788	1.75
3	MP1A	Mx	-.021	1.75
4	MP1A	X	42.933	3.75
5	MP1A	Z	-24.788	3.75
6	MP1A	Mx	-.021	3.75
7	MP1B	X	42.933	1.75
8	MP1B	Z	-24.788	1.75
9	MP1B	Mx	.021	1.75
10	MP1B	X	42.933	3.75
11	MP1B	Z	-24.788	3.75
12	MP1B	Mx	.021	3.75
13	MP1C	X	78.976	1.75
14	MP1C	Z	-45.597	1.75
15	MP1C	Mx	0	1.75
16	MP1C	X	78.976	3.75
17	MP1C	Z	-45.597	3.75
18	MP1C	Mx	0	3.75
19	MP4A	X	81.675	.25
20	MP4A	Z	-47.155	.25
21	MP4A	Mx	-.041	.25
22	MP4A	X	81.675	5.25
23	MP4A	Z	-47.155	5.25
24	MP4A	Mx	-.041	5.25
25	MP4C	X	96.788	.25
26	MP4C	Z	-55.881	.25
27	MP4C	Mx	0	.25
28	MP4C	X	96.788	5.25
29	MP4C	Z	-55.881	5.25
30	MP4C	Mx	0	5.25
31	MP4B	X	81.675	.25
32	MP4B	Z	-47.155	.25
33	MP4B	Mx	.041	.25
34	MP4B	X	81.675	5.25
35	MP4B	Z	-47.155	5.25
36	MP4B	Mx	.041	5.25
37	MP2A	X	101.262	.25
38	MP2A	Z	-58.464	.25
39	MP2A	Mx	-.087	.25
40	MP2A	X	101.262	5.25
41	MP2A	Z	-58.464	5.25
42	MP2A	Mx	-.087	5.25
43	MP2B	X	101.262	.25
44	MP2B	Z	-58.464	.25
45	MP2B	Mx	.014	.25
46	MP2B	X	101.262	5.25
47	MP2B	Z	-58.464	5.25
48	MP2B	Mx	.014	5.25
49	MP2C	X	135.772	.25
50	MP2C	Z	-78.388	.25
51	MP2C	Mx	.098	.25
52	MP2C	X	135.772	5.25
53	MP2C	Z	-78.388	5.25
54	MP2C	Mx	.098	5.25
55	MP2A	X	101.262	.25
56	MP2A	Z	-58.464	.25
57	MP2A	Mx	-.014	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	101.262	5.25
59	MP2A	Z	-58.464	5.25
60	MP2A	Mx	-.014	5.25
61	MP2B	X	101.262	.25
62	MP2B	Z	-58.464	.25
63	MP2B	Mx	.087	.25
64	MP2B	X	101.262	5.25
65	MP2B	Z	-58.464	5.25
66	MP2B	Mx	.087	5.25
67	MP2C	X	135.772	.25
68	MP2C	Z	-78.388	.25
69	MP2C	Mx	-.098	.25
70	MP2C	X	135.772	5.25
71	MP2C	Z	-78.388	5.25
72	MP2C	Mx	-.098	5.25
73	MP2A	X	47.218	2
74	MP2A	Z	-27.261	2
75	MP2A	Mx	.024	2
76	MP2B	X	47.218	2
77	MP2B	Z	-27.261	2
78	MP2B	Mx	-.024	2
79	MP2C	X	62.845	2
80	MP2C	Z	-36.284	2
81	MP2C	Mx	0	2
82	MP3A	X	41.232	2
83	MP3A	Z	-23.805	2
84	MP3A	Mx	.021	2
85	MP3B	X	41.232	2
86	MP3B	Z	-23.805	2
87	MP3B	Mx	-.021	2
88	MP3C	X	62.845	2
89	MP3C	Z	-36.284	2
90	MP3C	Mx	0	2
91	MP3A	X	21.032	4.5
92	MP3A	Z	-12.143	4.5
93	MP3A	Mx	.011	4.5
94	MP3B	X	21.032	4.5
95	MP3B	Z	-12.143	4.5
96	MP3B	Mx	-.011	4.5
97	MP3C	X	33.607	4.5
98	MP3C	Z	-19.403	4.5
99	MP3C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	35.702	1.75
2	MP1A	Z	0	1.75
3	MP1A	Mx	-.018	1.75
4	MP1A	X	35.702	3.75
5	MP1A	Z	0	3.75
6	MP1A	Mx	-.018	3.75
7	MP1B	X	77.321	1.75
8	MP1B	Z	0	1.75
9	MP1B	Mx	.019	1.75
10	MP1B	X	77.321	3.75
11	MP1B	Z	0	3.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP1B	Mx	.019	3.75
13	MP1C	X	77.321	1.75
14	MP1C	Z	0	1.75
15	MP1C	Mx	.019	1.75
16	MP1C	X	77.321	3.75
17	MP1C	Z	0	3.75
18	MP1C	Mx	.019	3.75
19	MP4A	X	88.493	.25
20	MP4A	Z	0	.25
21	MP4A	Mx	-.044	.25
22	MP4A	X	88.493	5.25
23	MP4A	Z	0	5.25
24	MP4A	Mx	-.044	5.25
25	MP4C	X	105.944	.25
26	MP4C	Z	0	.25
27	MP4C	Mx	.026	.25
28	MP4C	X	105.944	5.25
29	MP4C	Z	0	5.25
30	MP4C	Mx	.026	5.25
31	MP4B	X	105.944	.25
32	MP4B	Z	0	.25
33	MP4B	Mx	.026	.25
34	MP4B	X	105.944	5.25
35	MP4B	Z	0	5.25
36	MP4B	Mx	.026	5.25
37	MP2A	X	103.644	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.052	.25
40	MP2A	X	103.644	5.25
41	MP2A	Z	0	5.25
42	MP2A	Mx	-.052	5.25
43	MP2B	X	143.493	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.042	.25
46	MP2B	X	143.493	5.25
47	MP2B	Z	0	5.25
48	MP2B	Mx	-.042	5.25
49	MP2C	X	143.493	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.114	.25
52	MP2C	X	143.493	5.25
53	MP2C	Z	0	5.25
54	MP2C	Mx	.114	5.25
55	MP2A	X	103.644	.25
56	MP2A	Z	0	.25
57	MP2A	Mx	-.052	.25
58	MP2A	X	103.644	5.25
59	MP2A	Z	0	5.25
60	MP2A	Mx	-.052	5.25
61	MP2B	X	143.493	.25
62	MP2B	Z	0	.25
63	MP2B	Mx	.114	.25
64	MP2B	X	143.493	5.25
65	MP2B	Z	0	5.25
66	MP2B	Mx	.114	5.25
67	MP2C	X	143.493	.25
68	MP2C	Z	0	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP2C	Mx	-.042	.25
70	MP2C	X	143.493	5.25
71	MP2C	Z	0	5.25
72	MP2C	Mx	-.042	5.25
73	MP2A	X	48.508	2
74	MP2A	Z	0	2
75	MP2A	Mx	.024	2
76	MP2B	X	66.552	2
77	MP2B	Z	0	2
78	MP2B	Mx	-.017	2
79	MP2C	X	66.552	2
80	MP2C	Z	0	2
81	MP2C	Mx	-.017	2
82	MP3A	X	39.291	2
83	MP3A	Z	0	2
84	MP3A	Mx	.02	2
85	MP3B	X	64.248	2
86	MP3B	Z	0	2
87	MP3B	Mx	-.016	2
88	MP3C	X	64.248	2
89	MP3C	Z	0	2
90	MP3C	Mx	-.016	2
91	MP3A	X	19.445	4.5
92	MP3A	Z	0	4.5
93	MP3A	Mx	.01	4.5
94	MP3B	X	33.966	4.5
95	MP3B	Z	0	4.5
96	MP3B	Mx	-.008	4.5
97	MP3C	X	33.966	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	42.933	1.75
2	MP1A	Z	24.788	1.75
3	MP1A	Mx	-.021	1.75
4	MP1A	X	42.933	3.75
5	MP1A	Z	24.788	3.75
6	MP1A	Mx	-.021	3.75
7	MP1B	X	78.976	1.75
8	MP1B	Z	45.597	1.75
9	MP1B	Mx	0	1.75
10	MP1B	X	78.976	3.75
11	MP1B	Z	45.597	3.75
12	MP1B	Mx	0	3.75
13	MP1C	X	42.933	1.75
14	MP1C	Z	24.788	1.75
15	MP1C	Mx	.021	1.75
16	MP1C	X	42.933	3.75
17	MP1C	Z	24.788	3.75
18	MP1C	Mx	.021	3.75
19	MP4A	X	81.675	.25
20	MP4A	Z	47.155	.25
21	MP4A	Mx	-.041	.25
22	MP4A	X	81.675	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
23	MP4A	Z	47.155	5.25
24	MP4A	Mx	-.041	5.25
25	MP4C	X	81.675	.25
26	MP4C	Z	47.155	.25
27	MP4C	Mx	.041	.25
28	MP4C	X	81.675	5.25
29	MP4C	Z	47.155	5.25
30	MP4C	Mx	.041	5.25
31	MP4B	X	96.788	.25
32	MP4B	Z	55.881	.25
33	MP4B	Mx	0	.25
34	MP4B	X	96.788	5.25
35	MP4B	Z	55.881	5.25
36	MP4B	Mx	0	5.25
37	MP2A	X	101.262	.25
38	MP2A	Z	58.464	.25
39	MP2A	Mx	-.014	.25
40	MP2A	X	101.262	5.25
41	MP2A	Z	58.464	5.25
42	MP2A	Mx	-.014	5.25
43	MP2B	X	135.772	.25
44	MP2B	Z	78.388	.25
45	MP2B	Mx	-.098	.25
46	MP2B	X	135.772	5.25
47	MP2B	Z	78.388	5.25
48	MP2B	Mx	-.098	5.25
49	MP2C	X	101.262	.25
50	MP2C	Z	58.464	.25
51	MP2C	Mx	.087	.25
52	MP2C	X	101.262	5.25
53	MP2C	Z	58.464	5.25
54	MP2C	Mx	.087	5.25
55	MP2A	X	101.262	.25
56	MP2A	Z	58.464	.25
57	MP2A	Mx	-.087	.25
58	MP2A	X	101.262	5.25
59	MP2A	Z	58.464	5.25
60	MP2A	Mx	-.087	5.25
61	MP2B	X	135.772	.25
62	MP2B	Z	78.388	.25
63	MP2B	Mx	.098	.25
64	MP2B	X	135.772	5.25
65	MP2B	Z	78.388	5.25
66	MP2B	Mx	.098	5.25
67	MP2C	X	101.262	.25
68	MP2C	Z	58.464	.25
69	MP2C	Mx	.014	.25
70	MP2C	X	101.262	5.25
71	MP2C	Z	58.464	5.25
72	MP2C	Mx	.014	5.25
73	MP2A	X	47.218	2
74	MP2A	Z	27.261	2
75	MP2A	Mx	.024	2
76	MP2B	X	62.845	2
77	MP2B	Z	36.284	2
78	MP2B	Mx	0	2
79	MP2C	X	47.218	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP2C	Z	27.261	2
81	MP2C	Mx	-.024	2
82	MP3A	X	41.232	2
83	MP3A	Z	23.805	2
84	MP3A	Mx	.021	2
85	MP3B	X	62.845	2
86	MP3B	Z	36.284	2
87	MP3B	Mx	0	2
88	MP3C	X	41.232	2
89	MP3C	Z	23.805	2
90	MP3C	Mx	-.021	2
91	MP3A	X	21.032	4.5
92	MP3A	Z	12.143	4.5
93	MP3A	Mx	.011	4.5
94	MP3B	X	33.607	4.5
95	MP3B	Z	19.403	4.5
96	MP3B	Mx	0	4.5
97	MP3C	X	21.032	4.5
98	MP3C	Z	12.143	4.5
99	MP3C	Mx	-.011	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	38.661	1.75
2	MP1A	Z	66.962	1.75
3	MP1A	Mx	-.019	1.75
4	MP1A	X	38.661	3.75
5	MP1A	Z	66.962	3.75
6	MP1A	Mx	-.019	3.75
7	MP1B	X	38.661	1.75
8	MP1B	Z	66.962	1.75
9	MP1B	Mx	-.019	1.75
10	MP1B	X	38.661	3.75
11	MP1B	Z	66.962	3.75
12	MP1B	Mx	-.019	3.75
13	MP1C	X	17.851	1.75
14	MP1C	Z	30.919	1.75
15	MP1C	Mx	.018	1.75
16	MP1C	X	17.851	3.75
17	MP1C	Z	30.919	3.75
18	MP1C	Mx	.018	3.75
19	MP4A	X	52.972	.25
20	MP4A	Z	91.75	.25
21	MP4A	Mx	-.026	.25
22	MP4A	X	52.972	5.25
23	MP4A	Z	91.75	5.25
24	MP4A	Mx	-.026	5.25
25	MP4C	X	44.246	.25
26	MP4C	Z	76.637	.25
27	MP4C	Mx	.044	.25
28	MP4C	X	44.246	5.25
29	MP4C	Z	76.637	5.25
30	MP4C	Mx	.044	5.25
31	MP4B	X	52.972	.25
32	MP4B	Z	91.75	.25
33	MP4B	Mx	-.026	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP4B	X	52.972	5.25
35	MP4B	Z	91.75	5.25
36	MP4B	Mx	-.026	5.25
37	MP2A	X	71.747	.25
38	MP2A	Z	124.269	.25
39	MP2A	Mx	.042	.25
40	MP2A	X	71.747	5.25
41	MP2A	Z	124.269	5.25
42	MP2A	Mx	.042	5.25
43	MP2B	X	71.747	.25
44	MP2B	Z	124.269	.25
45	MP2B	Mx	-.114	.25
46	MP2B	X	71.747	5.25
47	MP2B	Z	124.269	5.25
48	MP2B	Mx	-.114	5.25
49	MP2C	X	51.822	.25
50	MP2C	Z	89.759	.25
51	MP2C	Mx	.052	.25
52	MP2C	X	51.822	5.25
53	MP2C	Z	89.759	5.25
54	MP2C	Mx	.052	5.25
55	MP2A	X	71.747	.25
56	MP2A	Z	124.269	.25
57	MP2A	Mx	-.114	.25
58	MP2A	X	71.747	5.25
59	MP2A	Z	124.269	5.25
60	MP2A	Mx	-.114	5.25
61	MP2B	X	71.747	.25
62	MP2B	Z	124.269	.25
63	MP2B	Mx	.042	.25
64	MP2B	X	71.747	5.25
65	MP2B	Z	124.269	5.25
66	MP2B	Mx	.042	5.25
67	MP2C	X	51.822	.25
68	MP2C	Z	89.759	.25
69	MP2C	Mx	.052	.25
70	MP2C	X	51.822	5.25
71	MP2C	Z	89.759	5.25
72	MP2C	Mx	.052	5.25
73	MP2A	X	33.276	2
74	MP2A	Z	57.636	2
75	MP2A	Mx	.017	2
76	MP2B	X	33.276	2
77	MP2B	Z	57.636	2
78	MP2B	Mx	.017	2
79	MP2C	X	24.254	2
80	MP2C	Z	42.009	2
81	MP2C	Mx	-.024	2
82	MP3A	X	32.124	2
83	MP3A	Z	55.641	2
84	MP3A	Mx	.016	2
85	MP3B	X	32.124	2
86	MP3B	Z	55.641	2
87	MP3B	Mx	.016	2
88	MP3C	X	19.646	2
89	MP3C	Z	34.027	2
90	MP3C	Mx	-.02	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP3A	X	16.983	4.5
92	MP3A	Z	29.415	4.5
93	MP3A	Mx	.008	4.5
94	MP3B	X	16.983	4.5
95	MP3B	Z	29.415	4.5
96	MP3B	Mx	.008	4.5
97	MP3C	X	9.723	4.5
98	MP3C	Z	16.84	4.5
99	MP3C	Mx	-.01	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	0	1.75
2	MP1A	Z	91.194	1.75
3	MP1A	Mx	0	1.75
4	MP1A	X	0	3.75
5	MP1A	Z	91.194	3.75
6	MP1A	Mx	0	3.75
7	MP1B	X	0	1.75
8	MP1B	Z	49.575	1.75
9	MP1B	Mx	-.021	1.75
10	MP1B	X	0	3.75
11	MP1B	Z	49.575	3.75
12	MP1B	Mx	-.021	3.75
13	MP1C	X	0	1.75
14	MP1C	Z	49.575	1.75
15	MP1C	Mx	.021	1.75
16	MP1C	X	0	3.75
17	MP1C	Z	49.575	3.75
18	MP1C	Mx	.021	3.75
19	MP4A	X	0	.25
20	MP4A	Z	111.761	.25
21	MP4A	Mx	0	.25
22	MP4A	X	0	5.25
23	MP4A	Z	111.761	5.25
24	MP4A	Mx	0	5.25
25	MP4C	X	0	.25
26	MP4C	Z	94.31	.25
27	MP4C	Mx	.041	.25
28	MP4C	X	0	5.25
29	MP4C	Z	94.31	5.25
30	MP4C	Mx	.041	5.25
31	MP4B	X	0	.25
32	MP4B	Z	94.31	.25
33	MP4B	Mx	-.041	.25
34	MP4B	X	0	5.25
35	MP4B	Z	94.31	5.25
36	MP4B	Mx	-.041	5.25
37	MP2A	X	0	.25
38	MP2A	Z	156.776	.25
39	MP2A	Mx	.098	.25
40	MP2A	X	0	5.25
41	MP2A	Z	156.776	5.25
42	MP2A	Mx	.098	5.25
43	MP2B	X	0	.25
44	MP2B	Z	116.927	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
45	MP2B	Mx	-.087	.25
46	MP2B	X	0	5.25
47	MP2B	Z	116.927	5.25
48	MP2B	Mx	-.087	5.25
49	MP2C	X	0	.25
50	MP2C	Z	116.927	.25
51	MP2C	Mx	.014	.25
52	MP2C	X	0	5.25
53	MP2C	Z	116.927	5.25
54	MP2C	Mx	.014	5.25
55	MP2A	X	0	.25
56	MP2A	Z	156.776	.25
57	MP2A	Mx	-.098	.25
58	MP2A	X	0	5.25
59	MP2A	Z	156.776	5.25
60	MP2A	Mx	-.098	5.25
61	MP2B	X	0	.25
62	MP2B	Z	116.927	.25
63	MP2B	Mx	-.014	.25
64	MP2B	X	0	5.25
65	MP2B	Z	116.927	5.25
66	MP2B	Mx	-.014	5.25
67	MP2C	X	0	.25
68	MP2C	Z	116.927	.25
69	MP2C	Mx	.087	.25
70	MP2C	X	0	5.25
71	MP2C	Z	116.927	5.25
72	MP2C	Mx	.087	5.25
73	MP2A	X	0	2
74	MP2A	Z	72.567	2
75	MP2A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	54.522	2
78	MP2B	Mx	.024	2
79	MP2C	X	0	2
80	MP2C	Z	54.522	2
81	MP2C	Mx	-.024	2
82	MP3A	X	0	2
83	MP3A	Z	72.567	2
84	MP3A	Mx	0	2
85	MP3B	X	0	2
86	MP3B	Z	47.61	2
87	MP3B	Mx	.021	2
88	MP3C	X	0	2
89	MP3C	Z	47.61	2
90	MP3C	Mx	-.021	2
91	MP3A	X	0	4.5
92	MP3A	Z	38.806	4.5
93	MP3A	Mx	0	4.5
94	MP3B	X	0	4.5
95	MP3B	Z	24.285	4.5
96	MP3B	Mx	.011	4.5
97	MP3C	X	0	4.5
98	MP3C	Z	24.285	4.5
99	MP3C	Mx	-.011	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-38.661	1.75
2	MP1A	Z	66.962	1.75
3	MP1A	Mx	.019	1.75
4	MP1A	X	-38.661	3.75
5	MP1A	Z	66.962	3.75
6	MP1A	Mx	.019	3.75
7	MP1B	X	-17.851	1.75
8	MP1B	Z	30.919	1.75
9	MP1B	Mx	-.018	1.75
10	MP1B	X	-17.851	3.75
11	MP1B	Z	30.919	3.75
12	MP1B	Mx	-.018	3.75
13	MP1C	X	-38.661	1.75
14	MP1C	Z	66.962	1.75
15	MP1C	Mx	.019	1.75
16	MP1C	X	-38.661	3.75
17	MP1C	Z	66.962	3.75
18	MP1C	Mx	.019	3.75
19	MP4A	X	-52.972	.25
20	MP4A	Z	91.75	.25
21	MP4A	Mx	.026	.25
22	MP4A	X	-52.972	5.25
23	MP4A	Z	91.75	5.25
24	MP4A	Mx	.026	5.25
25	MP4C	X	-52.972	.25
26	MP4C	Z	91.75	.25
27	MP4C	Mx	.026	.25
28	MP4C	X	-52.972	5.25
29	MP4C	Z	91.75	5.25
30	MP4C	Mx	.026	5.25
31	MP4B	X	-44.246	.25
32	MP4B	Z	76.637	.25
33	MP4B	Mx	-.044	.25
34	MP4B	X	-44.246	5.25
35	MP4B	Z	76.637	5.25
36	MP4B	Mx	-.044	5.25
37	MP2A	X	-71.747	.25
38	MP2A	Z	124.269	.25
39	MP2A	Mx	.114	.25
40	MP2A	X	-71.747	5.25
41	MP2A	Z	124.269	5.25
42	MP2A	Mx	.114	5.25
43	MP2B	X	-51.822	.25
44	MP2B	Z	89.759	.25
45	MP2B	Mx	-.052	.25
46	MP2B	X	-51.822	5.25
47	MP2B	Z	89.759	5.25
48	MP2B	Mx	-.052	5.25
49	MP2C	X	-71.747	.25
50	MP2C	Z	124.269	.25
51	MP2C	Mx	-.042	.25
52	MP2C	X	-71.747	5.25
53	MP2C	Z	124.269	5.25
54	MP2C	Mx	-.042	5.25
55	MP2A	X	-71.747	.25
56	MP2A	Z	124.269	.25
57	MP2A	Mx	-.042	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-71.747	5.25
59	MP2A	Z	124.269	5.25
60	MP2A	Mx	-.042	5.25
61	MP2B	X	-51.822	.25
62	MP2B	Z	89.759	.25
63	MP2B	Mx	-.052	.25
64	MP2B	X	-51.822	5.25
65	MP2B	Z	89.759	5.25
66	MP2B	Mx	-.052	5.25
67	MP2C	X	-71.747	.25
68	MP2C	Z	124.269	.25
69	MP2C	Mx	.114	.25
70	MP2C	X	-71.747	5.25
71	MP2C	Z	124.269	5.25
72	MP2C	Mx	.114	5.25
73	MP2A	X	-33.276	2
74	MP2A	Z	57.636	2
75	MP2A	Mx	-.017	2
76	MP2B	X	-24.254	2
77	MP2B	Z	42.009	2
78	MP2B	Mx	.024	2
79	MP2C	X	-33.276	2
80	MP2C	Z	57.636	2
81	MP2C	Mx	-.017	2
82	MP3A	X	-32.124	2
83	MP3A	Z	55.641	2
84	MP3A	Mx	-.016	2
85	MP3B	X	-19.646	2
86	MP3B	Z	34.027	2
87	MP3B	Mx	.02	2
88	MP3C	X	-32.124	2
89	MP3C	Z	55.641	2
90	MP3C	Mx	-.016	2
91	MP3A	X	-16.983	4.5
92	MP3A	Z	29.415	4.5
93	MP3A	Mx	-.008	4.5
94	MP3B	X	-9.723	4.5
95	MP3B	Z	16.84	4.5
96	MP3B	Mx	.01	4.5
97	MP3C	X	-16.983	4.5
98	MP3C	Z	29.415	4.5
99	MP3C	Mx	-.008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-42.933	1.75
2	MP1A	Z	24.788	1.75
3	MP1A	Mx	.021	1.75
4	MP1A	X	-42.933	3.75
5	MP1A	Z	24.788	3.75
6	MP1A	Mx	.021	3.75
7	MP1B	X	-42.933	1.75
8	MP1B	Z	24.788	1.75
9	MP1B	Mx	-.021	1.75
10	MP1B	X	-42.933	3.75
11	MP1B	Z	24.788	3.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP1B	Mx	-.021	3.75
13	MP1C	X	-78.976	1.75
14	MP1C	Z	45.597	1.75
15	MP1C	Mx	0	1.75
16	MP1C	X	-78.976	3.75
17	MP1C	Z	45.597	3.75
18	MP1C	Mx	0	3.75
19	MP4A	X	-81.675	.25
20	MP4A	Z	47.155	.25
21	MP4A	Mx	.041	.25
22	MP4A	X	-81.675	5.25
23	MP4A	Z	47.155	5.25
24	MP4A	Mx	.041	5.25
25	MP4C	X	-96.788	.25
26	MP4C	Z	55.881	.25
27	MP4C	Mx	0	.25
28	MP4C	X	-96.788	5.25
29	MP4C	Z	55.881	5.25
30	MP4C	Mx	0	5.25
31	MP4B	X	-81.675	.25
32	MP4B	Z	47.155	.25
33	MP4B	Mx	-.041	.25
34	MP4B	X	-81.675	5.25
35	MP4B	Z	47.155	5.25
36	MP4B	Mx	-.041	5.25
37	MP2A	X	-101.262	.25
38	MP2A	Z	58.464	.25
39	MP2A	Mx	.087	.25
40	MP2A	X	-101.262	5.25
41	MP2A	Z	58.464	5.25
42	MP2A	Mx	.087	5.25
43	MP2B	X	-101.262	.25
44	MP2B	Z	58.464	.25
45	MP2B	Mx	-.014	.25
46	MP2B	X	-101.262	5.25
47	MP2B	Z	58.464	5.25
48	MP2B	Mx	-.014	5.25
49	MP2C	X	-135.772	.25
50	MP2C	Z	78.388	.25
51	MP2C	Mx	-.098	.25
52	MP2C	X	-135.772	5.25
53	MP2C	Z	78.388	5.25
54	MP2C	Mx	-.098	5.25
55	MP2A	X	-101.262	.25
56	MP2A	Z	58.464	.25
57	MP2A	Mx	.014	.25
58	MP2A	X	-101.262	5.25
59	MP2A	Z	58.464	5.25
60	MP2A	Mx	.014	5.25
61	MP2B	X	-101.262	.25
62	MP2B	Z	58.464	.25
63	MP2B	Mx	-.087	.25
64	MP2B	X	-101.262	5.25
65	MP2B	Z	58.464	5.25
66	MP2B	Mx	-.087	5.25
67	MP2C	X	-135.772	.25
68	MP2C	Z	78.388	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP2C	Mx	.098	.25
70	MP2C	X	-135.772	5.25
71	MP2C	Z	78.388	5.25
72	MP2C	Mx	.098	5.25
73	MP2A	X	-47.218	2
74	MP2A	Z	27.261	2
75	MP2A	Mx	-.024	2
76	MP2B	X	-47.218	2
77	MP2B	Z	27.261	2
78	MP2B	Mx	.024	2
79	MP2C	X	-62.845	2
80	MP2C	Z	36.284	2
81	MP2C	Mx	0	2
82	MP3A	X	-41.232	2
83	MP3A	Z	23.805	2
84	MP3A	Mx	-.021	2
85	MP3B	X	-41.232	2
86	MP3B	Z	23.805	2
87	MP3B	Mx	.021	2
88	MP3C	X	-62.845	2
89	MP3C	Z	36.284	2
90	MP3C	Mx	0	2
91	MP3A	X	-21.032	4.5
92	MP3A	Z	12.143	4.5
93	MP3A	Mx	-.011	4.5
94	MP3B	X	-21.032	4.5
95	MP3B	Z	12.143	4.5
96	MP3B	Mx	.011	4.5
97	MP3C	X	-33.607	4.5
98	MP3C	Z	19.403	4.5
99	MP3C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-35.702	1.75
2	MP1A	Z	0	1.75
3	MP1A	Mx	.018	1.75
4	MP1A	X	-35.702	3.75
5	MP1A	Z	0	3.75
6	MP1A	Mx	.018	3.75
7	MP1B	X	-77.321	1.75
8	MP1B	Z	0	1.75
9	MP1B	Mx	-.019	1.75
10	MP1B	X	-77.321	3.75
11	MP1B	Z	0	3.75
12	MP1B	Mx	-.019	3.75
13	MP1C	X	-77.321	1.75
14	MP1C	Z	0	1.75
15	MP1C	Mx	-.019	1.75
16	MP1C	X	-77.321	3.75
17	MP1C	Z	0	3.75
18	MP1C	Mx	-.019	3.75
19	MP4A	X	-88.493	.25
20	MP4A	Z	0	.25
21	MP4A	Mx	.044	.25
22	MP4A	X	-88.493	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
23	MP4A	Z	0	5.25
24	MP4A	Mx	.044	5.25
25	MP4C	X	-105.944	.25
26	MP4C	Z	0	.25
27	MP4C	Mx	-.026	.25
28	MP4C	X	-105.944	5.25
29	MP4C	Z	0	5.25
30	MP4C	Mx	-.026	5.25
31	MP4B	X	-105.944	.25
32	MP4B	Z	0	.25
33	MP4B	Mx	-.026	.25
34	MP4B	X	-105.944	5.25
35	MP4B	Z	0	5.25
36	MP4B	Mx	-.026	5.25
37	MP2A	X	-103.644	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.052	.25
40	MP2A	X	-103.644	5.25
41	MP2A	Z	0	5.25
42	MP2A	Mx	.052	5.25
43	MP2B	X	-143.493	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.042	.25
46	MP2B	X	-143.493	5.25
47	MP2B	Z	0	5.25
48	MP2B	Mx	.042	5.25
49	MP2C	X	-143.493	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.114	.25
52	MP2C	X	-143.493	5.25
53	MP2C	Z	0	5.25
54	MP2C	Mx	-.114	5.25
55	MP2A	X	-103.644	.25
56	MP2A	Z	0	.25
57	MP2A	Mx	.052	.25
58	MP2A	X	-103.644	5.25
59	MP2A	Z	0	5.25
60	MP2A	Mx	.052	5.25
61	MP2B	X	-143.493	.25
62	MP2B	Z	0	.25
63	MP2B	Mx	-.114	.25
64	MP2B	X	-143.493	5.25
65	MP2B	Z	0	5.25
66	MP2B	Mx	-.114	5.25
67	MP2C	X	-143.493	.25
68	MP2C	Z	0	.25
69	MP2C	Mx	.042	.25
70	MP2C	X	-143.493	5.25
71	MP2C	Z	0	5.25
72	MP2C	Mx	.042	5.25
73	MP2A	X	-48.508	2
74	MP2A	Z	0	2
75	MP2A	Mx	-.024	2
76	MP2B	X	-66.552	2
77	MP2B	Z	0	2
78	MP2B	Mx	.017	2
79	MP2C	X	-66.552	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP2C	Z	0	2
81	MP2C	Mx	.017	2
82	MP3A	X	-39.291	2
83	MP3A	Z	0	2
84	MP3A	Mx	-.02	2
85	MP3B	X	-64.248	2
86	MP3B	Z	0	2
87	MP3B	Mx	.016	2
88	MP3C	X	-64.248	2
89	MP3C	Z	0	2
90	MP3C	Mx	.016	2
91	MP3A	X	-19.445	4.5
92	MP3A	Z	0	4.5
93	MP3A	Mx	-.01	4.5
94	MP3B	X	-33.966	4.5
95	MP3B	Z	0	4.5
96	MP3B	Mx	.008	4.5
97	MP3C	X	-33.966	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	.008	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-42.933	1.75
2	MP1A	Z	-24.788	1.75
3	MP1A	Mx	.021	1.75
4	MP1A	X	-42.933	3.75
5	MP1A	Z	-24.788	3.75
6	MP1A	Mx	.021	3.75
7	MP1B	X	-78.976	1.75
8	MP1B	Z	-45.597	1.75
9	MP1B	Mx	0	1.75
10	MP1B	X	-78.976	3.75
11	MP1B	Z	-45.597	3.75
12	MP1B	Mx	0	3.75
13	MP1C	X	-42.933	1.75
14	MP1C	Z	-24.788	1.75
15	MP1C	Mx	-.021	1.75
16	MP1C	X	-42.933	3.75
17	MP1C	Z	-24.788	3.75
18	MP1C	Mx	-.021	3.75
19	MP4A	X	-81.675	.25
20	MP4A	Z	-47.155	.25
21	MP4A	Mx	.041	.25
22	MP4A	X	-81.675	5.25
23	MP4A	Z	-47.155	5.25
24	MP4A	Mx	.041	5.25
25	MP4C	X	-81.675	.25
26	MP4C	Z	-47.155	.25
27	MP4C	Mx	-.041	.25
28	MP4C	X	-81.675	5.25
29	MP4C	Z	-47.155	5.25
30	MP4C	Mx	-.041	5.25
31	MP4B	X	-96.788	.25
32	MP4B	Z	-55.881	.25
33	MP4B	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP4B	X	-96.788	5.25
35	MP4B	Z	-55.881	5.25
36	MP4B	Mx	0	5.25
37	MP2A	X	-101.262	.25
38	MP2A	Z	-58.464	.25
39	MP2A	Mx	.014	.25
40	MP2A	X	-101.262	5.25
41	MP2A	Z	-58.464	5.25
42	MP2A	Mx	.014	5.25
43	MP2B	X	-135.772	.25
44	MP2B	Z	-78.388	.25
45	MP2B	Mx	.098	.25
46	MP2B	X	-135.772	5.25
47	MP2B	Z	-78.388	5.25
48	MP2B	Mx	.098	5.25
49	MP2C	X	-101.262	.25
50	MP2C	Z	-58.464	.25
51	MP2C	Mx	-.087	.25
52	MP2C	X	-101.262	5.25
53	MP2C	Z	-58.464	5.25
54	MP2C	Mx	-.087	5.25
55	MP2A	X	-101.262	.25
56	MP2A	Z	-58.464	.25
57	MP2A	Mx	.087	.25
58	MP2A	X	-101.262	5.25
59	MP2A	Z	-58.464	5.25
60	MP2A	Mx	.087	5.25
61	MP2B	X	-135.772	.25
62	MP2B	Z	-78.388	.25
63	MP2B	Mx	-.098	.25
64	MP2B	X	-135.772	5.25
65	MP2B	Z	-78.388	5.25
66	MP2B	Mx	-.098	5.25
67	MP2C	X	-101.262	.25
68	MP2C	Z	-58.464	.25
69	MP2C	Mx	-.014	.25
70	MP2C	X	-101.262	5.25
71	MP2C	Z	-58.464	5.25
72	MP2C	Mx	-.014	5.25
73	MP2A	X	-47.218	2
74	MP2A	Z	-27.261	2
75	MP2A	Mx	-.024	2
76	MP2B	X	-62.845	2
77	MP2B	Z	-36.284	2
78	MP2B	Mx	0	2
79	MP2C	X	-47.218	2
80	MP2C	Z	-27.261	2
81	MP2C	Mx	.024	2
82	MP3A	X	-41.232	2
83	MP3A	Z	-23.805	2
84	MP3A	Mx	-.021	2
85	MP3B	X	-62.845	2
86	MP3B	Z	-36.284	2
87	MP3B	Mx	0	2
88	MP3C	X	-41.232	2
89	MP3C	Z	-23.805	2
90	MP3C	Mx	.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP3A	X	-21.032	4.5
92	MP3A	Z	-12.143	4.5
93	MP3A	Mx	-.011	4.5
94	MP3B	X	-33.607	4.5
95	MP3B	Z	-19.403	4.5
96	MP3B	Mx	0	4.5
97	MP3C	X	-21.032	4.5
98	MP3C	Z	-12.143	4.5
99	MP3C	Mx	.011	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-38.661	1.75
2	MP1A	Z	-66.962	1.75
3	MP1A	Mx	.019	1.75
4	MP1A	X	-38.661	3.75
5	MP1A	Z	-66.962	3.75
6	MP1A	Mx	.019	3.75
7	MP1B	X	-38.661	1.75
8	MP1B	Z	-66.962	1.75
9	MP1B	Mx	.019	1.75
10	MP1B	X	-38.661	3.75
11	MP1B	Z	-66.962	3.75
12	MP1B	Mx	.019	3.75
13	MP1C	X	-17.851	1.75
14	MP1C	Z	-30.919	1.75
15	MP1C	Mx	-.018	1.75
16	MP1C	X	-17.851	3.75
17	MP1C	Z	-30.919	3.75
18	MP1C	Mx	-.018	3.75
19	MP4A	X	-52.972	.25
20	MP4A	Z	-91.75	.25
21	MP4A	Mx	.026	.25
22	MP4A	X	-52.972	5.25
23	MP4A	Z	-91.75	5.25
24	MP4A	Mx	.026	5.25
25	MP4C	X	-44.246	.25
26	MP4C	Z	-76.637	.25
27	MP4C	Mx	-.044	.25
28	MP4C	X	-44.246	5.25
29	MP4C	Z	-76.637	5.25
30	MP4C	Mx	-.044	5.25
31	MP4B	X	-52.972	.25
32	MP4B	Z	-91.75	.25
33	MP4B	Mx	.026	.25
34	MP4B	X	-52.972	5.25
35	MP4B	Z	-91.75	5.25
36	MP4B	Mx	.026	5.25
37	MP2A	X	-71.747	.25
38	MP2A	Z	-124.269	.25
39	MP2A	Mx	-.042	.25
40	MP2A	X	-71.747	5.25
41	MP2A	Z	-124.269	5.25
42	MP2A	Mx	-.042	5.25
43	MP2B	X	-71.747	.25
44	MP2B	Z	-124.269	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
45	MP2B	Mx	.114	.25
46	MP2B	X	-71.747	5.25
47	MP2B	Z	-124.269	5.25
48	MP2B	Mx	.114	5.25
49	MP2C	X	-51.822	.25
50	MP2C	Z	-89.759	.25
51	MP2C	Mx	-.052	.25
52	MP2C	X	-51.822	5.25
53	MP2C	Z	-89.759	5.25
54	MP2C	Mx	-.052	5.25
55	MP2A	X	-71.747	.25
56	MP2A	Z	-124.269	.25
57	MP2A	Mx	.114	.25
58	MP2A	X	-71.747	5.25
59	MP2A	Z	-124.269	5.25
60	MP2A	Mx	.114	5.25
61	MP2B	X	-71.747	.25
62	MP2B	Z	-124.269	.25
63	MP2B	Mx	-.042	.25
64	MP2B	X	-71.747	5.25
65	MP2B	Z	-124.269	5.25
66	MP2B	Mx	-.042	5.25
67	MP2C	X	-51.822	.25
68	MP2C	Z	-89.759	.25
69	MP2C	Mx	-.052	.25
70	MP2C	X	-51.822	5.25
71	MP2C	Z	-89.759	5.25
72	MP2C	Mx	-.052	5.25
73	MP2A	X	-33.276	2
74	MP2A	Z	-57.636	2
75	MP2A	Mx	-.017	2
76	MP2B	X	-33.276	2
77	MP2B	Z	-57.636	2
78	MP2B	Mx	-.017	2
79	MP2C	X	-24.254	2
80	MP2C	Z	-42.009	2
81	MP2C	Mx	.024	2
82	MP3A	X	-32.124	2
83	MP3A	Z	-55.641	2
84	MP3A	Mx	-.016	2
85	MP3B	X	-32.124	2
86	MP3B	Z	-55.641	2
87	MP3B	Mx	-.016	2
88	MP3C	X	-19.646	2
89	MP3C	Z	-34.027	2
90	MP3C	Mx	.02	2
91	MP3A	X	-16.983	4.5
92	MP3A	Z	-29.415	4.5
93	MP3A	Mx	-.008	4.5
94	MP3B	X	-16.983	4.5
95	MP3B	Z	-29.415	4.5
96	MP3B	Mx	-.008	4.5
97	MP3C	X	-9.723	4.5
98	MP3C	Z	-16.84	4.5
99	MP3C	Mx	.01	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	0	1.75
2	MP1A	Z	-20.256	1.75
3	MP1A	Mx	0	1.75
4	MP1A	X	0	3.75
5	MP1A	Z	-20.256	3.75
6	MP1A	Mx	0	3.75
7	MP1B	X	0	1.75
8	MP1B	Z	-11.803	1.75
9	MP1B	Mx	.005	1.75
10	MP1B	X	0	3.75
11	MP1B	Z	-11.803	3.75
12	MP1B	Mx	.005	3.75
13	MP1C	X	0	1.75
14	MP1C	Z	-11.803	1.75
15	MP1C	Mx	-.005	1.75
16	MP1C	X	0	3.75
17	MP1C	Z	-11.803	3.75
18	MP1C	Mx	-.005	3.75
19	MP4A	X	0	.25
20	MP4A	Z	-25.179	.25
21	MP4A	Mx	0	.25
22	MP4A	X	0	5.25
23	MP4A	Z	-25.179	5.25
24	MP4A	Mx	0	5.25
25	MP4C	X	0	.25
26	MP4C	Z	-21.809	.25
27	MP4C	Mx	-.009	.25
28	MP4C	X	0	5.25
29	MP4C	Z	-21.809	5.25
30	MP4C	Mx	-.009	5.25
31	MP4B	X	0	.25
32	MP4B	Z	-21.809	.25
33	MP4B	Mx	.009	.25
34	MP4B	X	0	5.25
35	MP4B	Z	-21.809	5.25
36	MP4B	Mx	.009	5.25
37	MP2A	X	0	.25
38	MP2A	Z	-33.693	.25
39	MP2A	Mx	-.021	.25
40	MP2A	X	0	5.25
41	MP2A	Z	-33.693	5.25
42	MP2A	Mx	-.021	5.25
43	MP2B	X	0	.25
44	MP2B	Z	-26.18	.25
45	MP2B	Mx	.02	.25
46	MP2B	X	0	5.25
47	MP2B	Z	-26.18	5.25
48	MP2B	Mx	.02	5.25
49	MP2C	X	0	.25
50	MP2C	Z	-26.18	.25
51	MP2C	Mx	-.003	.25
52	MP2C	X	0	5.25
53	MP2C	Z	-26.18	5.25
54	MP2C	Mx	-.003	5.25
55	MP2A	X	0	.25
56	MP2A	Z	-33.693	.25
57	MP2A	Mx	.021	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	0	5.25
59	MP2A	Z	-33.693	5.25
60	MP2A	Mx	.021	5.25
61	MP2B	X	0	.25
62	MP2B	Z	-26.18	.25
63	MP2B	Mx	.003	.25
64	MP2B	X	0	5.25
65	MP2B	Z	-26.18	5.25
66	MP2B	Mx	.003	5.25
67	MP2C	X	0	.25
68	MP2C	Z	-26.18	.25
69	MP2C	Mx	-.02	.25
70	MP2C	X	0	5.25
71	MP2C	Z	-26.18	5.25
72	MP2C	Mx	-.02	5.25
73	MP2A	X	0	2
74	MP2A	Z	-17.532	2
75	MP2A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	-13.702	2
78	MP2B	Mx	-.006	2
79	MP2C	X	0	2
80	MP2C	Z	-13.702	2
81	MP2C	Mx	.006	2
82	MP3A	X	0	2
83	MP3A	Z	-17.532	2
84	MP3A	Mx	0	2
85	MP3B	X	0	2
86	MP3B	Z	-12.247	2
87	MP3B	Mx	-.005	2
88	MP3C	X	0	2
89	MP3C	Z	-12.247	2
90	MP3C	Mx	.005	2
91	MP3A	X	0	4.5
92	MP3A	Z	-10.295	4.5
93	MP3A	Mx	0	4.5
94	MP3B	X	0	4.5
95	MP3B	Z	-7.143	4.5
96	MP3B	Mx	-.003	4.5
97	MP3C	X	0	4.5
98	MP3C	Z	-7.143	4.5
99	MP3C	Mx	.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.719	1.75
2	MP1A	Z	-15.102	1.75
3	MP1A	Mx	-.004	1.75
4	MP1A	X	8.719	3.75
5	MP1A	Z	-15.102	3.75
6	MP1A	Mx	-.004	3.75
7	MP1B	X	4.493	1.75
8	MP1B	Z	-7.781	1.75
9	MP1B	Mx	.004	1.75
10	MP1B	X	4.493	3.75
11	MP1B	Z	-7.781	3.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP1B	Mx	.004	3.75
13	MP1C	X	8.719	1.75
14	MP1C	Z	-15.102	1.75
15	MP1C	Mx	-.004	1.75
16	MP1C	X	8.719	3.75
17	MP1C	Z	-15.102	3.75
18	MP1C	Mx	-.004	3.75
19	MP4A	X	12.028	.25
20	MP4A	Z	-20.833	.25
21	MP4A	Mx	-.006	.25
22	MP4A	X	12.028	5.25
23	MP4A	Z	-20.833	5.25
24	MP4A	Mx	-.006	5.25
25	MP4C	X	12.028	.25
26	MP4C	Z	-20.833	.25
27	MP4C	Mx	-.006	.25
28	MP4C	X	12.028	5.25
29	MP4C	Z	-20.833	5.25
30	MP4C	Mx	-.006	5.25
31	MP4B	X	10.343	.25
32	MP4B	Z	-17.914	.25
33	MP4B	Mx	.01	.25
34	MP4B	X	10.343	5.25
35	MP4B	Z	-17.914	5.25
36	MP4B	Mx	.01	5.25
37	MP2A	X	15.594	.25
38	MP2A	Z	-27.01	.25
39	MP2A	Mx	-.025	.25
40	MP2A	X	15.594	5.25
41	MP2A	Z	-27.01	5.25
42	MP2A	Mx	-.025	5.25
43	MP2B	X	11.838	.25
44	MP2B	Z	-20.504	.25
45	MP2B	Mx	.012	.25
46	MP2B	X	11.838	5.25
47	MP2B	Z	-20.504	5.25
48	MP2B	Mx	.012	5.25
49	MP2C	X	15.594	.25
50	MP2C	Z	-27.01	.25
51	MP2C	Mx	.009	.25
52	MP2C	X	15.594	5.25
53	MP2C	Z	-27.01	5.25
54	MP2C	Mx	.009	5.25
55	MP2A	X	15.594	.25
56	MP2A	Z	-27.01	.25
57	MP2A	Mx	.009	.25
58	MP2A	X	15.594	5.25
59	MP2A	Z	-27.01	5.25
60	MP2A	Mx	.009	5.25
61	MP2B	X	11.838	.25
62	MP2B	Z	-20.504	.25
63	MP2B	Mx	.012	.25
64	MP2B	X	11.838	5.25
65	MP2B	Z	-20.504	5.25
66	MP2B	Mx	.012	5.25
67	MP2C	X	15.594	.25
68	MP2C	Z	-27.01	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP2C	Mx	-.025	.25
70	MP2C	X	15.594	5.25
71	MP2C	Z	-27.01	5.25
72	MP2C	Mx	-.025	5.25
73	MP2A	X	8.128	2
74	MP2A	Z	-14.078	2
75	MP2A	Mx	.004	2
76	MP2B	X	6.213	2
77	MP2B	Z	-10.761	2
78	MP2B	Mx	-.006	2
79	MP2C	X	8.128	2
80	MP2C	Z	-14.078	2
81	MP2C	Mx	.004	2
82	MP3A	X	7.885	2
83	MP3A	Z	-13.657	2
84	MP3A	Mx	.004	2
85	MP3B	X	5.242	2
86	MP3B	Z	-9.08	2
87	MP3B	Mx	-.005	2
88	MP3C	X	7.885	2
89	MP3C	Z	-13.657	2
90	MP3C	Mx	.004	2
91	MP3A	X	4.622	4.5
92	MP3A	Z	-8.006	4.5
93	MP3A	Mx	.002	4.5
94	MP3B	X	3.046	4.5
95	MP3B	Z	-5.276	4.5
96	MP3B	Mx	-.003	4.5
97	MP3C	X	4.622	4.5
98	MP3C	Z	-8.006	4.5
99	MP3C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	10.221	1.75
2	MP1A	Z	-5.901	1.75
3	MP1A	Mx	-.005	1.75
4	MP1A	X	10.221	3.75
5	MP1A	Z	-5.901	3.75
6	MP1A	Mx	-.005	3.75
7	MP1B	X	10.221	1.75
8	MP1B	Z	-5.901	1.75
9	MP1B	Mx	.005	1.75
10	MP1B	X	10.221	3.75
11	MP1B	Z	-5.901	3.75
12	MP1B	Mx	.005	3.75
13	MP1C	X	17.542	1.75
14	MP1C	Z	-10.128	1.75
15	MP1C	Mx	0	1.75
16	MP1C	X	17.542	3.75
17	MP1C	Z	-10.128	3.75
18	MP1C	Mx	0	3.75
19	MP4A	X	18.887	.25
20	MP4A	Z	-10.905	.25
21	MP4A	Mx	-.009	.25
22	MP4A	X	18.887	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
23	MP4A	Z	-10.905	5.25
24	MP4A	Mx	-.009	5.25
25	MP4C	X	21.806	.25
26	MP4C	Z	-12.589	.25
27	MP4C	Mx	0	.25
28	MP4C	X	21.806	5.25
29	MP4C	Z	-12.589	5.25
30	MP4C	Mx	0	5.25
31	MP4B	X	18.887	.25
32	MP4B	Z	-10.905	.25
33	MP4B	Mx	.009	.25
34	MP4B	X	18.887	5.25
35	MP4B	Z	-10.905	5.25
36	MP4B	Mx	.009	5.25
37	MP2A	X	22.672	.25
38	MP2A	Z	-13.09	.25
39	MP2A	Mx	-.02	.25
40	MP2A	X	22.672	5.25
41	MP2A	Z	-13.09	5.25
42	MP2A	Mx	-.02	5.25
43	MP2B	X	22.672	.25
44	MP2B	Z	-13.09	.25
45	MP2B	Mx	.003	.25
46	MP2B	X	22.672	5.25
47	MP2B	Z	-13.09	5.25
48	MP2B	Mx	.003	5.25
49	MP2C	X	29.179	.25
50	MP2C	Z	-16.847	.25
51	MP2C	Mx	.021	.25
52	MP2C	X	29.179	5.25
53	MP2C	Z	-16.847	5.25
54	MP2C	Mx	.021	5.25
55	MP2A	X	22.672	.25
56	MP2A	Z	-13.09	.25
57	MP2A	Mx	-.003	.25
58	MP2A	X	22.672	5.25
59	MP2A	Z	-13.09	5.25
60	MP2A	Mx	-.003	5.25
61	MP2B	X	22.672	.25
62	MP2B	Z	-13.09	.25
63	MP2B	Mx	.02	.25
64	MP2B	X	22.672	5.25
65	MP2B	Z	-13.09	5.25
66	MP2B	Mx	.02	5.25
67	MP2C	X	29.179	.25
68	MP2C	Z	-16.847	.25
69	MP2C	Mx	-.021	.25
70	MP2C	X	29.179	5.25
71	MP2C	Z	-16.847	5.25
72	MP2C	Mx	-.021	5.25
73	MP2A	X	11.866	2
74	MP2A	Z	-6.851	2
75	MP2A	Mx	.006	2
76	MP2B	X	11.866	2
77	MP2B	Z	-6.851	2
78	MP2B	Mx	-.006	2
79	MP2C	X	15.183	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP2C	Z	-8.766	2
81	MP2C	Mx	0	2
82	MP3A	X	10.606	2
83	MP3A	Z	-6.123	2
84	MP3A	Mx	.005	2
85	MP3B	X	10.606	2
86	MP3B	Z	-6.123	2
87	MP3B	Mx	-.005	2
88	MP3C	X	15.183	2
89	MP3C	Z	-8.766	2
90	MP3C	Mx	0	2
91	MP3A	X	6.186	4.5
92	MP3A	Z	-3.571	4.5
93	MP3A	Mx	.003	4.5
94	MP3B	X	6.186	4.5
95	MP3B	Z	-3.571	4.5
96	MP3B	Mx	-.003	4.5
97	MP3C	X	8.916	4.5
98	MP3C	Z	-5.148	4.5
99	MP3C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	8.985	1.75
2	MP1A	Z	0	1.75
3	MP1A	Mx	-.004	1.75
4	MP1A	X	8.985	3.75
5	MP1A	Z	0	3.75
6	MP1A	Mx	-.004	3.75
7	MP1B	X	17.438	1.75
8	MP1B	Z	0	1.75
9	MP1B	Mx	.004	1.75
10	MP1B	X	17.438	3.75
11	MP1B	Z	0	3.75
12	MP1B	Mx	.004	3.75
13	MP1C	X	17.438	1.75
14	MP1C	Z	0	1.75
15	MP1C	Mx	.004	1.75
16	MP1C	X	17.438	3.75
17	MP1C	Z	0	3.75
18	MP1C	Mx	.004	3.75
19	MP4A	X	20.686	.25
20	MP4A	Z	0	.25
21	MP4A	Mx	-.01	.25
22	MP4A	X	20.686	5.25
23	MP4A	Z	0	5.25
24	MP4A	Mx	-.01	5.25
25	MP4C	X	24.056	.25
26	MP4C	Z	0	.25
27	MP4C	Mx	.006	.25
28	MP4C	X	24.056	5.25
29	MP4C	Z	0	5.25
30	MP4C	Mx	.006	5.25
31	MP4B	X	24.056	.25
32	MP4B	Z	0	.25
33	MP4B	Mx	.006	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP4B	X	24.056	5.25
35	MP4B	Z	0	5.25
36	MP4B	Mx	.006	5.25
37	MP2A	X	23.675	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.012	.25
40	MP2A	X	23.675	5.25
41	MP2A	Z	0	5.25
42	MP2A	Mx	-.012	5.25
43	MP2B	X	31.189	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.009	.25
46	MP2B	X	31.189	5.25
47	MP2B	Z	0	5.25
48	MP2B	Mx	-.009	5.25
49	MP2C	X	31.189	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.025	.25
52	MP2C	X	31.189	5.25
53	MP2C	Z	0	5.25
54	MP2C	Mx	.025	5.25
55	MP2A	X	23.675	.25
56	MP2A	Z	0	.25
57	MP2A	Mx	-.012	.25
58	MP2A	X	23.675	5.25
59	MP2A	Z	0	5.25
60	MP2A	Mx	-.012	5.25
61	MP2B	X	31.189	.25
62	MP2B	Z	0	.25
63	MP2B	Mx	.025	.25
64	MP2B	X	31.189	5.25
65	MP2B	Z	0	5.25
66	MP2B	Mx	.025	5.25
67	MP2C	X	31.189	.25
68	MP2C	Z	0	.25
69	MP2C	Mx	-.009	.25
70	MP2C	X	31.189	5.25
71	MP2C	Z	0	5.25
72	MP2C	Mx	-.009	5.25
73	MP2A	X	12.425	2
74	MP2A	Z	0	2
75	MP2A	Mx	.006	2
76	MP2B	X	16.255	2
77	MP2B	Z	0	2
78	MP2B	Mx	-.004	2
79	MP2C	X	16.255	2
80	MP2C	Z	0	2
81	MP2C	Mx	-.004	2
82	MP3A	X	10.485	2
83	MP3A	Z	0	2
84	MP3A	Mx	.005	2
85	MP3B	X	15.77	2
86	MP3B	Z	0	2
87	MP3B	Mx	-.004	2
88	MP3C	X	15.77	2
89	MP3C	Z	0	2
90	MP3C	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP3A	X	6.092	4.5
92	MP3A	Z	0	4.5
93	MP3A	Mx	.003	4.5
94	MP3B	X	9.244	4.5
95	MP3B	Z	0	4.5
96	MP3B	Mx	-.002	4.5
97	MP3C	X	9.244	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	10.221	1.75
2	MP1A	Z	5.901	1.75
3	MP1A	Mx	-.005	1.75
4	MP1A	X	10.221	3.75
5	MP1A	Z	5.901	3.75
6	MP1A	Mx	-.005	3.75
7	MP1B	X	17.542	1.75
8	MP1B	Z	10.128	1.75
9	MP1B	Mx	0	1.75
10	MP1B	X	17.542	3.75
11	MP1B	Z	10.128	3.75
12	MP1B	Mx	0	3.75
13	MP1C	X	10.221	1.75
14	MP1C	Z	5.901	1.75
15	MP1C	Mx	.005	1.75
16	MP1C	X	10.221	3.75
17	MP1C	Z	5.901	3.75
18	MP1C	Mx	.005	3.75
19	MP4A	X	18.887	.25
20	MP4A	Z	10.905	.25
21	MP4A	Mx	-.009	.25
22	MP4A	X	18.887	5.25
23	MP4A	Z	10.905	5.25
24	MP4A	Mx	-.009	5.25
25	MP4C	X	18.887	.25
26	MP4C	Z	10.905	.25
27	MP4C	Mx	.009	.25
28	MP4C	X	18.887	5.25
29	MP4C	Z	10.905	5.25
30	MP4C	Mx	.009	5.25
31	MP4B	X	21.806	.25
32	MP4B	Z	12.589	.25
33	MP4B	Mx	0	.25
34	MP4B	X	21.806	5.25
35	MP4B	Z	12.589	5.25
36	MP4B	Mx	0	5.25
37	MP2A	X	22.672	.25
38	MP2A	Z	13.09	.25
39	MP2A	Mx	-.003	.25
40	MP2A	X	22.672	5.25
41	MP2A	Z	13.09	5.25
42	MP2A	Mx	-.003	5.25
43	MP2B	X	29.179	.25
44	MP2B	Z	16.847	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
45	MP2B	Mx	-.021	.25
46	MP2B	X	29.179	5.25
47	MP2B	Z	16.847	5.25
48	MP2B	Mx	-.021	5.25
49	MP2C	X	22.672	.25
50	MP2C	Z	13.09	.25
51	MP2C	Mx	.02	.25
52	MP2C	X	22.672	5.25
53	MP2C	Z	13.09	5.25
54	MP2C	Mx	.02	5.25
55	MP2A	X	22.672	.25
56	MP2A	Z	13.09	.25
57	MP2A	Mx	-.02	.25
58	MP2A	X	22.672	5.25
59	MP2A	Z	13.09	5.25
60	MP2A	Mx	-.02	5.25
61	MP2B	X	29.179	.25
62	MP2B	Z	16.847	.25
63	MP2B	Mx	.021	.25
64	MP2B	X	29.179	5.25
65	MP2B	Z	16.847	5.25
66	MP2B	Mx	.021	5.25
67	MP2C	X	22.672	.25
68	MP2C	Z	13.09	.25
69	MP2C	Mx	.003	.25
70	MP2C	X	22.672	5.25
71	MP2C	Z	13.09	5.25
72	MP2C	Mx	.003	5.25
73	MP2A	X	11.866	2
74	MP2A	Z	6.851	2
75	MP2A	Mx	.006	2
76	MP2B	X	15.183	2
77	MP2B	Z	8.766	2
78	MP2B	Mx	0	2
79	MP2C	X	11.866	2
80	MP2C	Z	6.851	2
81	MP2C	Mx	-.006	2
82	MP3A	X	10.606	2
83	MP3A	Z	6.123	2
84	MP3A	Mx	.005	2
85	MP3B	X	15.183	2
86	MP3B	Z	8.766	2
87	MP3B	Mx	0	2
88	MP3C	X	10.606	2
89	MP3C	Z	6.123	2
90	MP3C	Mx	-.005	2
91	MP3A	X	6.186	4.5
92	MP3A	Z	3.571	4.5
93	MP3A	Mx	.003	4.5
94	MP3B	X	8.916	4.5
95	MP3B	Z	5.148	4.5
96	MP3B	Mx	0	4.5
97	MP3C	X	6.186	4.5
98	MP3C	Z	3.571	4.5
99	MP3C	Mx	-.003	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	8.719	1.75
2	MP1A	Z	15.102	1.75
3	MP1A	Mx	-.004	1.75
4	MP1A	X	8.719	3.75
5	MP1A	Z	15.102	3.75
6	MP1A	Mx	-.004	3.75
7	MP1B	X	8.719	1.75
8	MP1B	Z	15.102	1.75
9	MP1B	Mx	-.004	1.75
10	MP1B	X	8.719	3.75
11	MP1B	Z	15.102	3.75
12	MP1B	Mx	-.004	3.75
13	MP1C	X	4.493	1.75
14	MP1C	Z	7.781	1.75
15	MP1C	Mx	.004	1.75
16	MP1C	X	4.493	3.75
17	MP1C	Z	7.781	3.75
18	MP1C	Mx	.004	3.75
19	MP4A	X	12.028	.25
20	MP4A	Z	20.833	.25
21	MP4A	Mx	-.006	.25
22	MP4A	X	12.028	5.25
23	MP4A	Z	20.833	5.25
24	MP4A	Mx	-.006	5.25
25	MP4C	X	10.343	.25
26	MP4C	Z	17.914	.25
27	MP4C	Mx	.01	.25
28	MP4C	X	10.343	5.25
29	MP4C	Z	17.914	5.25
30	MP4C	Mx	.01	5.25
31	MP4B	X	12.028	.25
32	MP4B	Z	20.833	.25
33	MP4B	Mx	-.006	.25
34	MP4B	X	12.028	5.25
35	MP4B	Z	20.833	5.25
36	MP4B	Mx	-.006	5.25
37	MP2A	X	15.594	.25
38	MP2A	Z	27.01	.25
39	MP2A	Mx	.009	.25
40	MP2A	X	15.594	5.25
41	MP2A	Z	27.01	5.25
42	MP2A	Mx	.009	5.25
43	MP2B	X	15.594	.25
44	MP2B	Z	27.01	.25
45	MP2B	Mx	-.025	.25
46	MP2B	X	15.594	5.25
47	MP2B	Z	27.01	5.25
48	MP2B	Mx	-.025	5.25
49	MP2C	X	11.838	.25
50	MP2C	Z	20.504	.25
51	MP2C	Mx	.012	.25
52	MP2C	X	11.838	5.25
53	MP2C	Z	20.504	5.25
54	MP2C	Mx	.012	5.25
55	MP2A	X	15.594	.25
56	MP2A	Z	27.01	.25
57	MP2A	Mx	-.025	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	15.594	5.25
59	MP2A	Z	27.01	5.25
60	MP2A	Mx	-.025	5.25
61	MP2B	X	15.594	.25
62	MP2B	Z	27.01	.25
63	MP2B	Mx	.009	.25
64	MP2B	X	15.594	5.25
65	MP2B	Z	27.01	5.25
66	MP2B	Mx	.009	5.25
67	MP2C	X	11.838	.25
68	MP2C	Z	20.504	.25
69	MP2C	Mx	.012	.25
70	MP2C	X	11.838	5.25
71	MP2C	Z	20.504	5.25
72	MP2C	Mx	.012	5.25
73	MP2A	X	8.128	2
74	MP2A	Z	14.078	2
75	MP2A	Mx	.004	2
76	MP2B	X	8.128	2
77	MP2B	Z	14.078	2
78	MP2B	Mx	.004	2
79	MP2C	X	6.213	2
80	MP2C	Z	10.761	2
81	MP2C	Mx	-.006	2
82	MP3A	X	7.885	2
83	MP3A	Z	13.657	2
84	MP3A	Mx	.004	2
85	MP3B	X	7.885	2
86	MP3B	Z	13.657	2
87	MP3B	Mx	.004	2
88	MP3C	X	5.242	2
89	MP3C	Z	9.08	2
90	MP3C	Mx	-.005	2
91	MP3A	X	4.622	4.5
92	MP3A	Z	8.006	4.5
93	MP3A	Mx	.002	4.5
94	MP3B	X	4.622	4.5
95	MP3B	Z	8.006	4.5
96	MP3B	Mx	.002	4.5
97	MP3C	X	3.046	4.5
98	MP3C	Z	5.276	4.5
99	MP3C	Mx	-.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.75
2	MP1A	Z	20.256	1.75
3	MP1A	Mx	0	1.75
4	MP1A	X	0	3.75
5	MP1A	Z	20.256	3.75
6	MP1A	Mx	0	3.75
7	MP1B	X	0	1.75
8	MP1B	Z	11.803	1.75
9	MP1B	Mx	-.005	1.75
10	MP1B	X	0	3.75
11	MP1B	Z	11.803	3.75

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
12	MP1B	Mx	-.005	3.75
13	MP1C	X	0	1.75
14	MP1C	Z	11.803	1.75
15	MP1C	Mx	.005	1.75
16	MP1C	X	0	3.75
17	MP1C	Z	11.803	3.75
18	MP1C	Mx	.005	3.75
19	MP4A	X	0	.25
20	MP4A	Z	25.179	.25
21	MP4A	Mx	0	.25
22	MP4A	X	0	5.25
23	MP4A	Z	25.179	5.25
24	MP4A	Mx	0	5.25
25	MP4C	X	0	.25
26	MP4C	Z	21.809	.25
27	MP4C	Mx	.009	.25
28	MP4C	X	0	5.25
29	MP4C	Z	21.809	5.25
30	MP4C	Mx	.009	5.25
31	MP4B	X	0	.25
32	MP4B	Z	21.809	.25
33	MP4B	Mx	-.009	.25
34	MP4B	X	0	5.25
35	MP4B	Z	21.809	5.25
36	MP4B	Mx	-.009	5.25
37	MP2A	X	0	.25
38	MP2A	Z	33.693	.25
39	MP2A	Mx	.021	.25
40	MP2A	X	0	5.25
41	MP2A	Z	33.693	5.25
42	MP2A	Mx	.021	5.25
43	MP2B	X	0	.25
44	MP2B	Z	26.18	.25
45	MP2B	Mx	-.02	.25
46	MP2B	X	0	5.25
47	MP2B	Z	26.18	5.25
48	MP2B	Mx	-.02	5.25
49	MP2C	X	0	.25
50	MP2C	Z	26.18	.25
51	MP2C	Mx	.003	.25
52	MP2C	X	0	5.25
53	MP2C	Z	26.18	5.25
54	MP2C	Mx	.003	5.25
55	MP2A	X	0	.25
56	MP2A	Z	33.693	.25
57	MP2A	Mx	-.021	.25
58	MP2A	X	0	5.25
59	MP2A	Z	33.693	5.25
60	MP2A	Mx	-.021	5.25
61	MP2B	X	0	.25
62	MP2B	Z	26.18	.25
63	MP2B	Mx	-.003	.25
64	MP2B	X	0	5.25
65	MP2B	Z	26.18	5.25
66	MP2B	Mx	-.003	5.25
67	MP2C	X	0	.25
68	MP2C	Z	26.18	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP2C	Mx	.02	.25
70	MP2C	X	0	5.25
71	MP2C	Z	26.18	5.25
72	MP2C	Mx	.02	5.25
73	MP2A	X	0	2
74	MP2A	Z	17.532	2
75	MP2A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	13.702	2
78	MP2B	Mx	.006	2
79	MP2C	X	0	2
80	MP2C	Z	13.702	2
81	MP2C	Mx	-.006	2
82	MP3A	X	0	2
83	MP3A	Z	17.532	2
84	MP3A	Mx	0	2
85	MP3B	X	0	2
86	MP3B	Z	12.247	2
87	MP3B	Mx	.005	2
88	MP3C	X	0	2
89	MP3C	Z	12.247	2
90	MP3C	Mx	-.005	2
91	MP3A	X	0	4.5
92	MP3A	Z	10.295	4.5
93	MP3A	Mx	0	4.5
94	MP3B	X	0	4.5
95	MP3B	Z	7.143	4.5
96	MP3B	Mx	.003	4.5
97	MP3C	X	0	4.5
98	MP3C	Z	7.143	4.5
99	MP3C	Mx	-.003	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-8.719	1.75
2	MP1A	Z	15.102	1.75
3	MP1A	Mx	.004	1.75
4	MP1A	X	-8.719	3.75
5	MP1A	Z	15.102	3.75
6	MP1A	Mx	.004	3.75
7	MP1B	X	-4.493	1.75
8	MP1B	Z	7.781	1.75
9	MP1B	Mx	-.004	1.75
10	MP1B	X	-4.493	3.75
11	MP1B	Z	7.781	3.75
12	MP1B	Mx	-.004	3.75
13	MP1C	X	-8.719	1.75
14	MP1C	Z	15.102	1.75
15	MP1C	Mx	.004	1.75
16	MP1C	X	-8.719	3.75
17	MP1C	Z	15.102	3.75
18	MP1C	Mx	.004	3.75
19	MP4A	X	-12.028	.25
20	MP4A	Z	20.833	.25
21	MP4A	Mx	.006	.25
22	MP4A	X	-12.028	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
23	MP4A	Z	20.833	5.25
24	MP4A	Mx	.006	5.25
25	MP4C	X	-12.028	.25
26	MP4C	Z	20.833	.25
27	MP4C	Mx	.006	.25
28	MP4C	X	-12.028	5.25
29	MP4C	Z	20.833	5.25
30	MP4C	Mx	.006	5.25
31	MP4B	X	-10.343	.25
32	MP4B	Z	17.914	.25
33	MP4B	Mx	-.01	.25
34	MP4B	X	-10.343	5.25
35	MP4B	Z	17.914	5.25
36	MP4B	Mx	-.01	5.25
37	MP2A	X	-15.594	.25
38	MP2A	Z	27.01	.25
39	MP2A	Mx	.025	.25
40	MP2A	X	-15.594	5.25
41	MP2A	Z	27.01	5.25
42	MP2A	Mx	.025	5.25
43	MP2B	X	-11.838	.25
44	MP2B	Z	20.504	.25
45	MP2B	Mx	-.012	.25
46	MP2B	X	-11.838	5.25
47	MP2B	Z	20.504	5.25
48	MP2B	Mx	-.012	5.25
49	MP2C	X	-15.594	.25
50	MP2C	Z	27.01	.25
51	MP2C	Mx	-.009	.25
52	MP2C	X	-15.594	5.25
53	MP2C	Z	27.01	5.25
54	MP2C	Mx	-.009	5.25
55	MP2A	X	-15.594	.25
56	MP2A	Z	27.01	.25
57	MP2A	Mx	-.009	.25
58	MP2A	X	-15.594	5.25
59	MP2A	Z	27.01	5.25
60	MP2A	Mx	-.009	5.25
61	MP2B	X	-11.838	.25
62	MP2B	Z	20.504	.25
63	MP2B	Mx	-.012	.25
64	MP2B	X	-11.838	5.25
65	MP2B	Z	20.504	5.25
66	MP2B	Mx	-.012	5.25
67	MP2C	X	-15.594	.25
68	MP2C	Z	27.01	.25
69	MP2C	Mx	.025	.25
70	MP2C	X	-15.594	5.25
71	MP2C	Z	27.01	5.25
72	MP2C	Mx	.025	5.25
73	MP2A	X	-8.128	2
74	MP2A	Z	14.078	2
75	MP2A	Mx	-.004	2
76	MP2B	X	-6.213	2
77	MP2B	Z	10.761	2
78	MP2B	Mx	.006	2
79	MP2C	X	-8.128	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP2C	Z	14.078	2
81	MP2C	Mx	-.004	2
82	MP3A	X	-7.885	2
83	MP3A	Z	13.657	2
84	MP3A	Mx	-.004	2
85	MP3B	X	-5.242	2
86	MP3B	Z	9.08	2
87	MP3B	Mx	.005	2
88	MP3C	X	-7.885	2
89	MP3C	Z	13.657	2
90	MP3C	Mx	-.004	2
91	MP3A	X	-4.622	4.5
92	MP3A	Z	8.006	4.5
93	MP3A	Mx	-.002	4.5
94	MP3B	X	-3.046	4.5
95	MP3B	Z	5.276	4.5
96	MP3B	Mx	.003	4.5
97	MP3C	X	-4.622	4.5
98	MP3C	Z	8.006	4.5
99	MP3C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-10.221	1.75
2	MP1A	Z	5.901	1.75
3	MP1A	Mx	.005	1.75
4	MP1A	X	-10.221	3.75
5	MP1A	Z	5.901	3.75
6	MP1A	Mx	.005	3.75
7	MP1B	X	-10.221	1.75
8	MP1B	Z	5.901	1.75
9	MP1B	Mx	-.005	1.75
10	MP1B	X	-10.221	3.75
11	MP1B	Z	5.901	3.75
12	MP1B	Mx	-.005	3.75
13	MP1C	X	-17.542	1.75
14	MP1C	Z	10.128	1.75
15	MP1C	Mx	0	1.75
16	MP1C	X	-17.542	3.75
17	MP1C	Z	10.128	3.75
18	MP1C	Mx	0	3.75
19	MP4A	X	-18.887	.25
20	MP4A	Z	10.905	.25
21	MP4A	Mx	.009	.25
22	MP4A	X	-18.887	5.25
23	MP4A	Z	10.905	5.25
24	MP4A	Mx	.009	5.25
25	MP4C	X	-21.806	.25
26	MP4C	Z	12.589	.25
27	MP4C	Mx	0	.25
28	MP4C	X	-21.806	5.25
29	MP4C	Z	12.589	5.25
30	MP4C	Mx	0	5.25
31	MP4B	X	-18.887	.25
32	MP4B	Z	10.905	.25
33	MP4B	Mx	-.009	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP4B	X	-18.887	5.25
35	MP4B	Z	10.905	5.25
36	MP4B	Mx	-.009	5.25
37	MP2A	X	-22.672	.25
38	MP2A	Z	13.09	.25
39	MP2A	Mx	.02	.25
40	MP2A	X	-22.672	5.25
41	MP2A	Z	13.09	5.25
42	MP2A	Mx	.02	5.25
43	MP2B	X	-22.672	.25
44	MP2B	Z	13.09	.25
45	MP2B	Mx	-.003	.25
46	MP2B	X	-22.672	5.25
47	MP2B	Z	13.09	5.25
48	MP2B	Mx	-.003	5.25
49	MP2C	X	-29.179	.25
50	MP2C	Z	16.847	.25
51	MP2C	Mx	-.021	.25
52	MP2C	X	-29.179	5.25
53	MP2C	Z	16.847	5.25
54	MP2C	Mx	-.021	5.25
55	MP2A	X	-22.672	.25
56	MP2A	Z	13.09	.25
57	MP2A	Mx	.003	.25
58	MP2A	X	-22.672	5.25
59	MP2A	Z	13.09	5.25
60	MP2A	Mx	.003	5.25
61	MP2B	X	-22.672	.25
62	MP2B	Z	13.09	.25
63	MP2B	Mx	-.02	.25
64	MP2B	X	-22.672	5.25
65	MP2B	Z	13.09	5.25
66	MP2B	Mx	-.02	5.25
67	MP2C	X	-29.179	.25
68	MP2C	Z	16.847	.25
69	MP2C	Mx	.021	.25
70	MP2C	X	-29.179	5.25
71	MP2C	Z	16.847	5.25
72	MP2C	Mx	.021	5.25
73	MP2A	X	-11.866	2
74	MP2A	Z	6.851	2
75	MP2A	Mx	-.006	2
76	MP2B	X	-11.866	2
77	MP2B	Z	6.851	2
78	MP2B	Mx	.006	2
79	MP2C	X	-15.183	2
80	MP2C	Z	8.766	2
81	MP2C	Mx	0	2
82	MP3A	X	-10.606	2
83	MP3A	Z	6.123	2
84	MP3A	Mx	-.005	2
85	MP3B	X	-10.606	2
86	MP3B	Z	6.123	2
87	MP3B	Mx	.005	2
88	MP3C	X	-15.183	2
89	MP3C	Z	8.766	2
90	MP3C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP3A	X	-6.186	4.5
92	MP3A	Z	3.571	4.5
93	MP3A	Mx	-.003	4.5
94	MP3B	X	-6.186	4.5
95	MP3B	Z	3.571	4.5
96	MP3B	Mx	.003	4.5
97	MP3C	X	-8.916	4.5
98	MP3C	Z	5.148	4.5
99	MP3C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-8.985	1.75
2	MP1A	Z	0	1.75
3	MP1A	Mx	.004	1.75
4	MP1A	X	-8.985	3.75
5	MP1A	Z	0	3.75
6	MP1A	Mx	.004	3.75
7	MP1B	X	-17.438	1.75
8	MP1B	Z	0	1.75
9	MP1B	Mx	-.004	1.75
10	MP1B	X	-17.438	3.75
11	MP1B	Z	0	3.75
12	MP1B	Mx	-.004	3.75
13	MP1C	X	-17.438	1.75
14	MP1C	Z	0	1.75
15	MP1C	Mx	-.004	1.75
16	MP1C	X	-17.438	3.75
17	MP1C	Z	0	3.75
18	MP1C	Mx	-.004	3.75
19	MP4A	X	-20.686	.25
20	MP4A	Z	0	.25
21	MP4A	Mx	.01	.25
22	MP4A	X	-20.686	5.25
23	MP4A	Z	0	5.25
24	MP4A	Mx	.01	5.25
25	MP4C	X	-24.056	.25
26	MP4C	Z	0	.25
27	MP4C	Mx	-.006	.25
28	MP4C	X	-24.056	5.25
29	MP4C	Z	0	5.25
30	MP4C	Mx	-.006	5.25
31	MP4B	X	-24.056	.25
32	MP4B	Z	0	.25
33	MP4B	Mx	-.006	.25
34	MP4B	X	-24.056	5.25
35	MP4B	Z	0	5.25
36	MP4B	Mx	-.006	5.25
37	MP2A	X	-23.675	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.012	.25
40	MP2A	X	-23.675	5.25
41	MP2A	Z	0	5.25
42	MP2A	Mx	.012	5.25
43	MP2B	X	-31.189	.25
44	MP2B	Z	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
45	MP2B	Mx	.009	.25
46	MP2B	X	-31.189	5.25
47	MP2B	Z	0	5.25
48	MP2B	Mx	.009	5.25
49	MP2C	X	-31.189	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.025	.25
52	MP2C	X	-31.189	5.25
53	MP2C	Z	0	5.25
54	MP2C	Mx	-.025	5.25
55	MP2A	X	-23.675	.25
56	MP2A	Z	0	.25
57	MP2A	Mx	.012	.25
58	MP2A	X	-23.675	5.25
59	MP2A	Z	0	5.25
60	MP2A	Mx	.012	5.25
61	MP2B	X	-31.189	.25
62	MP2B	Z	0	.25
63	MP2B	Mx	-.025	.25
64	MP2B	X	-31.189	5.25
65	MP2B	Z	0	5.25
66	MP2B	Mx	-.025	5.25
67	MP2C	X	-31.189	.25
68	MP2C	Z	0	.25
69	MP2C	Mx	.009	.25
70	MP2C	X	-31.189	5.25
71	MP2C	Z	0	5.25
72	MP2C	Mx	.009	5.25
73	MP2A	X	-12.425	2
74	MP2A	Z	0	2
75	MP2A	Mx	-.006	2
76	MP2B	X	-16.255	2
77	MP2B	Z	0	2
78	MP2B	Mx	.004	2
79	MP2C	X	-16.255	2
80	MP2C	Z	0	2
81	MP2C	Mx	.004	2
82	MP3A	X	-10.485	2
83	MP3A	Z	0	2
84	MP3A	Mx	-.005	2
85	MP3B	X	-15.77	2
86	MP3B	Z	0	2
87	MP3B	Mx	.004	2
88	MP3C	X	-15.77	2
89	MP3C	Z	0	2
90	MP3C	Mx	.004	2
91	MP3A	X	-6.092	4.5
92	MP3A	Z	0	4.5
93	MP3A	Mx	-.003	4.5
94	MP3B	X	-9.244	4.5
95	MP3B	Z	0	4.5
96	MP3B	Mx	.002	4.5
97	MP3C	X	-9.244	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-10.221	1.75
2	MP1A	Z	-5.901	1.75
3	MP1A	Mx	.005	1.75
4	MP1A	X	-10.221	3.75
5	MP1A	Z	-5.901	3.75
6	MP1A	Mx	.005	3.75
7	MP1B	X	-17.542	1.75
8	MP1B	Z	-10.128	1.75
9	MP1B	Mx	0	1.75
10	MP1B	X	-17.542	3.75
11	MP1B	Z	-10.128	3.75
12	MP1B	Mx	0	3.75
13	MP1C	X	-10.221	1.75
14	MP1C	Z	-5.901	1.75
15	MP1C	Mx	-.005	1.75
16	MP1C	X	-10.221	3.75
17	MP1C	Z	-5.901	3.75
18	MP1C	Mx	-.005	3.75
19	MP4A	X	-18.887	.25
20	MP4A	Z	-10.905	.25
21	MP4A	Mx	.009	.25
22	MP4A	X	-18.887	5.25
23	MP4A	Z	-10.905	5.25
24	MP4A	Mx	.009	5.25
25	MP4C	X	-18.887	.25
26	MP4C	Z	-10.905	.25
27	MP4C	Mx	-.009	.25
28	MP4C	X	-18.887	5.25
29	MP4C	Z	-10.905	5.25
30	MP4C	Mx	-.009	5.25
31	MP4B	X	-21.806	.25
32	MP4B	Z	-12.589	.25
33	MP4B	Mx	0	.25
34	MP4B	X	-21.806	5.25
35	MP4B	Z	-12.589	5.25
36	MP4B	Mx	0	5.25
37	MP2A	X	-22.672	.25
38	MP2A	Z	-13.09	.25
39	MP2A	Mx	.003	.25
40	MP2A	X	-22.672	5.25
41	MP2A	Z	-13.09	5.25
42	MP2A	Mx	.003	5.25
43	MP2B	X	-29.179	.25
44	MP2B	Z	-16.847	.25
45	MP2B	Mx	.021	.25
46	MP2B	X	-29.179	5.25
47	MP2B	Z	-16.847	5.25
48	MP2B	Mx	.021	5.25
49	MP2C	X	-22.672	.25
50	MP2C	Z	-13.09	.25
51	MP2C	Mx	-.02	.25
52	MP2C	X	-22.672	5.25
53	MP2C	Z	-13.09	5.25
54	MP2C	Mx	-.02	5.25
55	MP2A	X	-22.672	.25
56	MP2A	Z	-13.09	.25
57	MP2A	Mx	.02	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-22.672	5.25
59	MP2A	Z	-13.09	5.25
60	MP2A	Mx	.02	5.25
61	MP2B	X	-29.179	.25
62	MP2B	Z	-16.847	.25
63	MP2B	Mx	-.021	.25
64	MP2B	X	-29.179	5.25
65	MP2B	Z	-16.847	5.25
66	MP2B	Mx	-.021	5.25
67	MP2C	X	-22.672	.25
68	MP2C	Z	-13.09	.25
69	MP2C	Mx	-.003	.25
70	MP2C	X	-22.672	5.25
71	MP2C	Z	-13.09	5.25
72	MP2C	Mx	-.003	5.25
73	MP2A	X	-11.866	2
74	MP2A	Z	-6.851	2
75	MP2A	Mx	-.006	2
76	MP2B	X	-15.183	2
77	MP2B	Z	-8.766	2
78	MP2B	Mx	0	2
79	MP2C	X	-11.866	2
80	MP2C	Z	-6.851	2
81	MP2C	Mx	.006	2
82	MP3A	X	-10.606	2
83	MP3A	Z	-6.123	2
84	MP3A	Mx	-.005	2
85	MP3B	X	-15.183	2
86	MP3B	Z	-8.766	2
87	MP3B	Mx	0	2
88	MP3C	X	-10.606	2
89	MP3C	Z	-6.123	2
90	MP3C	Mx	.005	2
91	MP3A	X	-6.186	4.5
92	MP3A	Z	-3.571	4.5
93	MP3A	Mx	-.003	4.5
94	MP3B	X	-8.916	4.5
95	MP3B	Z	-5.148	4.5
96	MP3B	Mx	0	4.5
97	MP3C	X	-6.186	4.5
98	MP3C	Z	-3.571	4.5
99	MP3C	Mx	.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.719	1.75
2	MP1A	Z	-15.102	1.75
3	MP1A	Mx	.004	1.75
4	MP1A	X	-8.719	3.75
5	MP1A	Z	-15.102	3.75
6	MP1A	Mx	.004	3.75
7	MP1B	X	-8.719	1.75
8	MP1B	Z	-15.102	1.75
9	MP1B	Mx	.004	1.75
10	MP1B	X	-8.719	3.75
11	MP1B	Z	-15.102	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	.004	3.75
13	MP1C	X	-4.493	1.75
14	MP1C	Z	-7.781	1.75
15	MP1C	Mx	-.004	1.75
16	MP1C	X	-4.493	3.75
17	MP1C	Z	-7.781	3.75
18	MP1C	Mx	-.004	3.75
19	MP4A	X	-12.028	.25
20	MP4A	Z	-20.833	.25
21	MP4A	Mx	.006	.25
22	MP4A	X	-12.028	5.25
23	MP4A	Z	-20.833	5.25
24	MP4A	Mx	.006	5.25
25	MP4C	X	-10.343	.25
26	MP4C	Z	-17.914	.25
27	MP4C	Mx	-.01	.25
28	MP4C	X	-10.343	5.25
29	MP4C	Z	-17.914	5.25
30	MP4C	Mx	-.01	5.25
31	MP4B	X	-12.028	.25
32	MP4B	Z	-20.833	.25
33	MP4B	Mx	.006	.25
34	MP4B	X	-12.028	5.25
35	MP4B	Z	-20.833	5.25
36	MP4B	Mx	.006	5.25
37	MP2A	X	-15.594	.25
38	MP2A	Z	-27.01	.25
39	MP2A	Mx	-.009	.25
40	MP2A	X	-15.594	5.25
41	MP2A	Z	-27.01	5.25
42	MP2A	Mx	-.009	5.25
43	MP2B	X	-15.594	.25
44	MP2B	Z	-27.01	.25
45	MP2B	Mx	.025	.25
46	MP2B	X	-15.594	5.25
47	MP2B	Z	-27.01	5.25
48	MP2B	Mx	.025	5.25
49	MP2C	X	-11.838	.25
50	MP2C	Z	-20.504	.25
51	MP2C	Mx	-.012	.25
52	MP2C	X	-11.838	5.25
53	MP2C	Z	-20.504	5.25
54	MP2C	Mx	-.012	5.25
55	MP2A	X	-15.594	.25
56	MP2A	Z	-27.01	.25
57	MP2A	Mx	.025	.25
58	MP2A	X	-15.594	5.25
59	MP2A	Z	-27.01	5.25
60	MP2A	Mx	.025	5.25
61	MP2B	X	-15.594	.25
62	MP2B	Z	-27.01	.25
63	MP2B	Mx	-.009	.25
64	MP2B	X	-15.594	5.25
65	MP2B	Z	-27.01	5.25
66	MP2B	Mx	-.009	5.25
67	MP2C	X	-11.838	.25
68	MP2C	Z	-20.504	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP2C	Mx	-.012	.25
70	MP2C	X	-11.838	5.25
71	MP2C	Z	-20.504	5.25
72	MP2C	Mx	-.012	5.25
73	MP2A	X	-8.128	2
74	MP2A	Z	-14.078	2
75	MP2A	Mx	-.004	2
76	MP2B	X	-8.128	2
77	MP2B	Z	-14.078	2
78	MP2B	Mx	-.004	2
79	MP2C	X	-6.213	2
80	MP2C	Z	-10.761	2
81	MP2C	Mx	.006	2
82	MP3A	X	-7.885	2
83	MP3A	Z	-13.657	2
84	MP3A	Mx	-.004	2
85	MP3B	X	-7.885	2
86	MP3B	Z	-13.657	2
87	MP3B	Mx	-.004	2
88	MP3C	X	-5.242	2
89	MP3C	Z	-9.08	2
90	MP3C	Mx	.005	2
91	MP3A	X	-4.622	4.5
92	MP3A	Z	-8.006	4.5
93	MP3A	Mx	-.002	4.5
94	MP3B	X	-4.622	4.5
95	MP3B	Z	-8.006	4.5
96	MP3B	Mx	-.002	4.5
97	MP3C	X	-3.046	4.5
98	MP3C	Z	-5.276	4.5
99	MP3C	Mx	.003	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	0	1.75
2	MP1A	Z	-6.099	1.75
3	MP1A	Mx	0	1.75
4	MP1A	X	0	3.75
5	MP1A	Z	-6.099	3.75
6	MP1A	Mx	0	3.75
7	MP1B	X	0	1.75
8	MP1B	Z	-3.316	1.75
9	MP1B	Mx	.001	1.75
10	MP1B	X	0	3.75
11	MP1B	Z	-3.316	3.75
12	MP1B	Mx	.001	3.75
13	MP1C	X	0	1.75
14	MP1C	Z	-3.316	1.75
15	MP1C	Mx	-.001	1.75
16	MP1C	X	0	3.75
17	MP1C	Z	-3.316	3.75
18	MP1C	Mx	-.001	3.75
19	MP4A	X	0	.25
20	MP4A	Z	-7.475	.25
21	MP4A	Mx	0	.25
22	MP4A	X	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
23	MP4A	Z	-7.475	5.25
24	MP4A	Mx	0	5.25
25	MP4C	X	0	.25
26	MP4C	Z	-6.308	.25
27	MP4C	Mx	-.003	.25
28	MP4C	X	0	5.25
29	MP4C	Z	-6.308	5.25
30	MP4C	Mx	-.003	5.25
31	MP4B	X	0	.25
32	MP4B	Z	-6.308	.25
33	MP4B	Mx	.003	.25
34	MP4B	X	0	5.25
35	MP4B	Z	-6.308	5.25
36	MP4B	Mx	.003	5.25
37	MP2A	X	0	.25
38	MP2A	Z	-10.486	.25
39	MP2A	Mx	-.007	.25
40	MP2A	X	0	5.25
41	MP2A	Z	-10.486	5.25
42	MP2A	Mx	-.007	5.25
43	MP2B	X	0	.25
44	MP2B	Z	-7.821	.25
45	MP2B	Mx	.006	.25
46	MP2B	X	0	5.25
47	MP2B	Z	-7.821	5.25
48	MP2B	Mx	.006	5.25
49	MP2C	X	0	.25
50	MP2C	Z	-7.821	.25
51	MP2C	Mx	-.000943	.25
52	MP2C	X	0	5.25
53	MP2C	Z	-7.821	5.25
54	MP2C	Mx	-.000943	5.25
55	MP2A	X	0	.25
56	MP2A	Z	-10.486	.25
57	MP2A	Mx	.007	.25
58	MP2A	X	0	5.25
59	MP2A	Z	-10.486	5.25
60	MP2A	Mx	.007	5.25
61	MP2B	X	0	.25
62	MP2B	Z	-7.821	.25
63	MP2B	Mx	.000943	.25
64	MP2B	X	0	5.25
65	MP2B	Z	-7.821	5.25
66	MP2B	Mx	.000943	5.25
67	MP2C	X	0	.25
68	MP2C	Z	-7.821	.25
69	MP2C	Mx	-.006	.25
70	MP2C	X	0	5.25
71	MP2C	Z	-7.821	5.25
72	MP2C	Mx	-.006	5.25
73	MP2A	X	0	2
74	MP2A	Z	-4.854	2
75	MP2A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	-3.647	2
78	MP2B	Mx	-.002	2
79	MP2C	X	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
80	MP2C	Z	-3.647	2
81	MP2C	Mx	.002	2
82	MP3A	X	0	2
83	MP3A	Z	-4.854	2
84	MP3A	Mx	0	2
85	MP3B	X	0	2
86	MP3B	Z	-3.184	2
87	MP3B	Mx	-.001	2
88	MP3C	X	0	2
89	MP3C	Z	-3.184	2
90	MP3C	Mx	.001	2
91	MP3A	X	0	4.5
92	MP3A	Z	-2.596	4.5
93	MP3A	Mx	0	4.5
94	MP3B	X	0	4.5
95	MP3B	Z	-1.624	4.5
96	MP3B	Mx	-.000703	4.5
97	MP3C	X	0	4.5
98	MP3C	Z	-1.624	4.5
99	MP3C	Mx	.000703	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	2.586	1.75
2	MP1A	Z	-4.479	1.75
3	MP1A	Mx	-.001	1.75
4	MP1A	X	2.586	3.75
5	MP1A	Z	-4.479	3.75
6	MP1A	Mx	-.001	3.75
7	MP1B	X	1.194	1.75
8	MP1B	Z	-2.068	1.75
9	MP1B	Mx	.001	1.75
10	MP1B	X	1.194	3.75
11	MP1B	Z	-2.068	3.75
12	MP1B	Mx	.001	3.75
13	MP1C	X	2.586	1.75
14	MP1C	Z	-4.479	1.75
15	MP1C	Mx	-.001	1.75
16	MP1C	X	2.586	3.75
17	MP1C	Z	-4.479	3.75
18	MP1C	Mx	-.001	3.75
19	MP4A	X	3.543	.25
20	MP4A	Z	-6.137	.25
21	MP4A	Mx	-.002	.25
22	MP4A	X	3.543	5.25
23	MP4A	Z	-6.137	5.25
24	MP4A	Mx	-.002	5.25
25	MP4C	X	3.543	.25
26	MP4C	Z	-6.137	.25
27	MP4C	Mx	-.002	.25
28	MP4C	X	3.543	5.25
29	MP4C	Z	-6.137	5.25
30	MP4C	Mx	-.002	5.25
31	MP4B	X	2.959	.25
32	MP4B	Z	-5.126	.25
33	MP4B	Mx	.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP4B	X	2.959	5.25
35	MP4B	Z	-5.126	5.25
36	MP4B	Mx	.003	5.25
37	MP2A	X	4.799	.25
38	MP2A	Z	-8.312	.25
39	MP2A	Mx	-.008	.25
40	MP2A	X	4.799	5.25
41	MP2A	Z	-8.312	5.25
42	MP2A	Mx	-.008	5.25
43	MP2B	X	3.466	.25
44	MP2B	Z	-6.003	.25
45	MP2B	Mx	.003	.25
46	MP2B	X	3.466	5.25
47	MP2B	Z	-6.003	5.25
48	MP2B	Mx	.003	5.25
49	MP2C	X	4.799	.25
50	MP2C	Z	-8.312	.25
51	MP2C	Mx	.003	.25
52	MP2C	X	4.799	5.25
53	MP2C	Z	-8.312	5.25
54	MP2C	Mx	.003	5.25
55	MP2A	X	4.799	.25
56	MP2A	Z	-8.312	.25
57	MP2A	Mx	.003	.25
58	MP2A	X	4.799	5.25
59	MP2A	Z	-8.312	5.25
60	MP2A	Mx	.003	5.25
61	MP2B	X	3.466	.25
62	MP2B	Z	-6.003	.25
63	MP2B	Mx	.003	.25
64	MP2B	X	3.466	5.25
65	MP2B	Z	-6.003	5.25
66	MP2B	Mx	.003	5.25
67	MP2C	X	4.799	.25
68	MP2C	Z	-8.312	.25
69	MP2C	Mx	-.008	.25
70	MP2C	X	4.799	5.25
71	MP2C	Z	-8.312	5.25
72	MP2C	Mx	-.008	5.25
73	MP2A	X	2.226	2
74	MP2A	Z	-3.855	2
75	MP2A	Mx	.001	2
76	MP2B	X	1.622	2
77	MP2B	Z	-2.81	2
78	MP2B	Mx	-.002	2
79	MP2C	X	2.226	2
80	MP2C	Z	-3.855	2
81	MP2C	Mx	.001	2
82	MP3A	X	2.149	2
83	MP3A	Z	-3.722	2
84	MP3A	Mx	.001	2
85	MP3B	X	1.314	2
86	MP3B	Z	-2.276	2
87	MP3B	Mx	-.001	2
88	MP3C	X	2.149	2
89	MP3C	Z	-3.722	2
90	MP3C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP3A	X	1.136	4.5
92	MP3A	Z	-1.967	4.5
93	MP3A	Mx	.000568	4.5
94	MP3B	X	.65	4.5
95	MP3B	Z	-1.126	4.5
96	MP3B	Mx	-.00065	4.5
97	MP3C	X	1.136	4.5
98	MP3C	Z	-1.967	4.5
99	MP3C	Mx	.000568	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	2.872	1.75
2	MP1A	Z	-1.658	1.75
3	MP1A	Mx	-.001	1.75
4	MP1A	X	2.872	3.75
5	MP1A	Z	-1.658	3.75
6	MP1A	Mx	-.001	3.75
7	MP1B	X	2.872	1.75
8	MP1B	Z	-1.658	1.75
9	MP1B	Mx	.001	1.75
10	MP1B	X	2.872	3.75
11	MP1B	Z	-1.658	3.75
12	MP1B	Mx	.001	3.75
13	MP1C	X	5.282	1.75
14	MP1C	Z	-3.05	1.75
15	MP1C	Mx	0	1.75
16	MP1C	X	5.282	3.75
17	MP1C	Z	-3.05	3.75
18	MP1C	Mx	0	3.75
19	MP4A	X	5.463	.25
20	MP4A	Z	-3.154	.25
21	MP4A	Mx	-.003	.25
22	MP4A	X	5.463	5.25
23	MP4A	Z	-3.154	5.25
24	MP4A	Mx	-.003	5.25
25	MP4C	X	6.474	.25
26	MP4C	Z	-3.738	.25
27	MP4C	Mx	0	.25
28	MP4C	X	6.474	5.25
29	MP4C	Z	-3.738	5.25
30	MP4C	Mx	0	5.25
31	MP4B	X	5.463	.25
32	MP4B	Z	-3.154	.25
33	MP4B	Mx	.003	.25
34	MP4B	X	5.463	5.25
35	MP4B	Z	-3.154	5.25
36	MP4B	Mx	.003	5.25
37	MP2A	X	6.773	.25
38	MP2A	Z	-3.91	.25
39	MP2A	Mx	-.006	.25
40	MP2A	X	6.773	5.25
41	MP2A	Z	-3.91	5.25
42	MP2A	Mx	-.006	5.25
43	MP2B	X	6.773	.25
44	MP2B	Z	-3.91	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
45	MP2B	Mx	.000942	.25
46	MP2B	X	6.773	5.25
47	MP2B	Z	-3.91	5.25
48	MP2B	Mx	.000942	5.25
49	MP2C	X	9.081	.25
50	MP2C	Z	-5.243	.25
51	MP2C	Mx	.007	.25
52	MP2C	X	9.081	5.25
53	MP2C	Z	-5.243	5.25
54	MP2C	Mx	.007	5.25
55	MP2A	X	6.773	.25
56	MP2A	Z	-3.91	.25
57	MP2A	Mx	-.000943	.25
58	MP2A	X	6.773	5.25
59	MP2A	Z	-3.91	5.25
60	MP2A	Mx	-.000943	5.25
61	MP2B	X	6.773	.25
62	MP2B	Z	-3.91	.25
63	MP2B	Mx	.006	.25
64	MP2B	X	6.773	5.25
65	MP2B	Z	-3.91	5.25
66	MP2B	Mx	.006	5.25
67	MP2C	X	9.081	.25
68	MP2C	Z	-5.243	.25
69	MP2C	Mx	-.007	.25
70	MP2C	X	9.081	5.25
71	MP2C	Z	-5.243	5.25
72	MP2C	Mx	-.007	5.25
73	MP2A	X	3.158	2
74	MP2A	Z	-1.823	2
75	MP2A	Mx	.002	2
76	MP2B	X	3.158	2
77	MP2B	Z	-1.823	2
78	MP2B	Mx	-.002	2
79	MP2C	X	4.203	2
80	MP2C	Z	-2.427	2
81	MP2C	Mx	0	2
82	MP3A	X	2.758	2
83	MP3A	Z	-1.592	2
84	MP3A	Mx	.001	2
85	MP3B	X	2.758	2
86	MP3B	Z	-1.592	2
87	MP3B	Mx	-.001	2
88	MP3C	X	4.203	2
89	MP3C	Z	-2.427	2
90	MP3C	Mx	0	2
91	MP3A	X	1.407	4.5
92	MP3A	Z	-.812	4.5
93	MP3A	Mx	.000704	4.5
94	MP3B	X	1.407	4.5
95	MP3B	Z	-.812	4.5
96	MP3B	Mx	-.000703	4.5
97	MP3C	X	2.248	4.5
98	MP3C	Z	-1.298	4.5
99	MP3C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	2.388	1.75
2	MP1A	Z	0	1.75
3	MP1A	Mx	-.001	1.75
4	MP1A	X	2.388	3.75
5	MP1A	Z	0	3.75
6	MP1A	Mx	-.001	3.75
7	MP1B	X	5.172	1.75
8	MP1B	Z	0	1.75
9	MP1B	Mx	.001	1.75
10	MP1B	X	5.172	3.75
11	MP1B	Z	0	3.75
12	MP1B	Mx	.001	3.75
13	MP1C	X	5.172	1.75
14	MP1C	Z	0	1.75
15	MP1C	Mx	.001	1.75
16	MP1C	X	5.172	3.75
17	MP1C	Z	0	3.75
18	MP1C	Mx	.001	3.75
19	MP4A	X	5.919	.25
20	MP4A	Z	0	.25
21	MP4A	Mx	-.003	.25
22	MP4A	X	5.919	5.25
23	MP4A	Z	0	5.25
24	MP4A	Mx	-.003	5.25
25	MP4C	X	7.086	.25
26	MP4C	Z	0	.25
27	MP4C	Mx	.002	.25
28	MP4C	X	7.086	5.25
29	MP4C	Z	0	5.25
30	MP4C	Mx	.002	5.25
31	MP4B	X	7.086	.25
32	MP4B	Z	0	.25
33	MP4B	Mx	.002	.25
34	MP4B	X	7.086	5.25
35	MP4B	Z	0	5.25
36	MP4B	Mx	.002	5.25
37	MP2A	X	6.932	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.003	.25
40	MP2A	X	6.932	5.25
41	MP2A	Z	0	5.25
42	MP2A	Mx	-.003	5.25
43	MP2B	X	9.598	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.003	.25
46	MP2B	X	9.598	5.25
47	MP2B	Z	0	5.25
48	MP2B	Mx	-.003	5.25
49	MP2C	X	9.598	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.008	.25
52	MP2C	X	9.598	5.25
53	MP2C	Z	0	5.25
54	MP2C	Mx	.008	5.25
55	MP2A	X	6.932	.25
56	MP2A	Z	0	.25
57	MP2A	Mx	-.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	6.932	5.25
59	MP2A	Z	0	5.25
60	MP2A	Mx	-.003	5.25
61	MP2B	X	9.598	.25
62	MP2B	Z	0	.25
63	MP2B	Mx	.008	.25
64	MP2B	X	9.598	5.25
65	MP2B	Z	0	5.25
66	MP2B	Mx	.008	5.25
67	MP2C	X	9.598	.25
68	MP2C	Z	0	.25
69	MP2C	Mx	-.003	.25
70	MP2C	X	9.598	5.25
71	MP2C	Z	0	5.25
72	MP2C	Mx	-.003	5.25
73	MP2A	X	3.244	2
74	MP2A	Z	0	2
75	MP2A	Mx	.002	2
76	MP2B	X	4.451	2
77	MP2B	Z	0	2
78	MP2B	Mx	-.001	2
79	MP2C	X	4.451	2
80	MP2C	Z	0	2
81	MP2C	Mx	-.001	2
82	MP3A	X	2.628	2
83	MP3A	Z	0	2
84	MP3A	Mx	.001	2
85	MP3B	X	4.297	2
86	MP3B	Z	0	2
87	MP3B	Mx	-.001	2
88	MP3C	X	4.297	2
89	MP3C	Z	0	2
90	MP3C	Mx	-.001	2
91	MP3A	X	1.301	4.5
92	MP3A	Z	0	4.5
93	MP3A	Mx	.00065	4.5
94	MP3B	X	2.272	4.5
95	MP3B	Z	0	4.5
96	MP3B	Mx	-.000568	4.5
97	MP3C	X	2.272	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	-.000568	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.872	1.75
2	MP1A	Z	1.658	1.75
3	MP1A	Mx	-.001	1.75
4	MP1A	X	2.872	3.75
5	MP1A	Z	1.658	3.75
6	MP1A	Mx	-.001	3.75
7	MP1B	X	5.282	1.75
8	MP1B	Z	3.05	1.75
9	MP1B	Mx	0	1.75
10	MP1B	X	5.282	3.75
11	MP1B	Z	3.05	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	0	3.75
13	MP1C	X	2.872	1.75
14	MP1C	Z	1.658	1.75
15	MP1C	Mx	.001	1.75
16	MP1C	X	2.872	3.75
17	MP1C	Z	1.658	3.75
18	MP1C	Mx	.001	3.75
19	MP4A	X	5.463	.25
20	MP4A	Z	3.154	.25
21	MP4A	Mx	-.003	.25
22	MP4A	X	5.463	5.25
23	MP4A	Z	3.154	5.25
24	MP4A	Mx	-.003	5.25
25	MP4C	X	5.463	.25
26	MP4C	Z	3.154	.25
27	MP4C	Mx	.003	.25
28	MP4C	X	5.463	5.25
29	MP4C	Z	3.154	5.25
30	MP4C	Mx	.003	5.25
31	MP4B	X	6.474	.25
32	MP4B	Z	3.738	.25
33	MP4B	Mx	0	.25
34	MP4B	X	6.474	5.25
35	MP4B	Z	3.738	5.25
36	MP4B	Mx	0	5.25
37	MP2A	X	6.773	.25
38	MP2A	Z	3.91	.25
39	MP2A	Mx	-.000943	.25
40	MP2A	X	6.773	5.25
41	MP2A	Z	3.91	5.25
42	MP2A	Mx	-.000943	5.25
43	MP2B	X	9.081	.25
44	MP2B	Z	5.243	.25
45	MP2B	Mx	-.007	.25
46	MP2B	X	9.081	5.25
47	MP2B	Z	5.243	5.25
48	MP2B	Mx	-.007	5.25
49	MP2C	X	6.773	.25
50	MP2C	Z	3.91	.25
51	MP2C	Mx	.006	.25
52	MP2C	X	6.773	5.25
53	MP2C	Z	3.91	5.25
54	MP2C	Mx	.006	5.25
55	MP2A	X	6.773	.25
56	MP2A	Z	3.91	.25
57	MP2A	Mx	-.006	.25
58	MP2A	X	6.773	5.25
59	MP2A	Z	3.91	5.25
60	MP2A	Mx	-.006	5.25
61	MP2B	X	9.081	.25
62	MP2B	Z	5.243	.25
63	MP2B	Mx	.007	.25
64	MP2B	X	9.081	5.25
65	MP2B	Z	5.243	5.25
66	MP2B	Mx	.007	5.25
67	MP2C	X	6.773	.25
68	MP2C	Z	3.91	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP2C	Mx	.000942	.25
70	MP2C	X	6.773	5.25
71	MP2C	Z	3.91	5.25
72	MP2C	Mx	.000942	5.25
73	MP2A	X	3.158	2
74	MP2A	Z	1.823	2
75	MP2A	Mx	.002	2
76	MP2B	X	4.203	2
77	MP2B	Z	2.427	2
78	MP2B	Mx	0	2
79	MP2C	X	3.158	2
80	MP2C	Z	1.823	2
81	MP2C	Mx	-.002	2
82	MP3A	X	2.758	2
83	MP3A	Z	1.592	2
84	MP3A	Mx	.001	2
85	MP3B	X	4.203	2
86	MP3B	Z	2.427	2
87	MP3B	Mx	0	2
88	MP3C	X	2.758	2
89	MP3C	Z	1.592	2
90	MP3C	Mx	-.001	2
91	MP3A	X	1.407	4.5
92	MP3A	Z	.812	4.5
93	MP3A	Mx	.000704	4.5
94	MP3B	X	2.248	4.5
95	MP3B	Z	1.298	4.5
96	MP3B	Mx	0	4.5
97	MP3C	X	1.407	4.5
98	MP3C	Z	.812	4.5
99	MP3C	Mx	-.000703	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	2.586	1.75
2	MP1A	Z	4.479	1.75
3	MP1A	Mx	-.001	1.75
4	MP1A	X	2.586	3.75
5	MP1A	Z	4.479	3.75
6	MP1A	Mx	-.001	3.75
7	MP1B	X	2.586	1.75
8	MP1B	Z	4.479	1.75
9	MP1B	Mx	-.001	1.75
10	MP1B	X	2.586	3.75
11	MP1B	Z	4.479	3.75
12	MP1B	Mx	-.001	3.75
13	MP1C	X	1.194	1.75
14	MP1C	Z	2.068	1.75
15	MP1C	Mx	.001	1.75
16	MP1C	X	1.194	3.75
17	MP1C	Z	2.068	3.75
18	MP1C	Mx	.001	3.75
19	MP4A	X	3.543	.25
20	MP4A	Z	6.137	.25
21	MP4A	Mx	-.002	.25
22	MP4A	X	3.543	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP4A	Z	6.137	5.25
24	MP4A	Mx	-.002	5.25
25	MP4C	X	2.959	.25
26	MP4C	Z	5.126	.25
27	MP4C	Mx	.003	.25
28	MP4C	X	2.959	5.25
29	MP4C	Z	5.126	5.25
30	MP4C	Mx	.003	5.25
31	MP4B	X	3.543	.25
32	MP4B	Z	6.137	.25
33	MP4B	Mx	-.002	.25
34	MP4B	X	3.543	5.25
35	MP4B	Z	6.137	5.25
36	MP4B	Mx	-.002	5.25
37	MP2A	X	4.799	.25
38	MP2A	Z	8.312	.25
39	MP2A	Mx	.003	.25
40	MP2A	X	4.799	5.25
41	MP2A	Z	8.312	5.25
42	MP2A	Mx	.003	5.25
43	MP2B	X	4.799	.25
44	MP2B	Z	8.312	.25
45	MP2B	Mx	-.008	.25
46	MP2B	X	4.799	5.25
47	MP2B	Z	8.312	5.25
48	MP2B	Mx	-.008	5.25
49	MP2C	X	3.466	.25
50	MP2C	Z	6.003	.25
51	MP2C	Mx	.003	.25
52	MP2C	X	3.466	5.25
53	MP2C	Z	6.003	5.25
54	MP2C	Mx	.003	5.25
55	MP2A	X	4.799	.25
56	MP2A	Z	8.312	.25
57	MP2A	Mx	-.008	.25
58	MP2A	X	4.799	5.25
59	MP2A	Z	8.312	5.25
60	MP2A	Mx	-.008	5.25
61	MP2B	X	4.799	.25
62	MP2B	Z	8.312	.25
63	MP2B	Mx	.003	.25
64	MP2B	X	4.799	5.25
65	MP2B	Z	8.312	5.25
66	MP2B	Mx	.003	5.25
67	MP2C	X	3.466	.25
68	MP2C	Z	6.003	.25
69	MP2C	Mx	.003	.25
70	MP2C	X	3.466	5.25
71	MP2C	Z	6.003	5.25
72	MP2C	Mx	.003	5.25
73	MP2A	X	2.226	2
74	MP2A	Z	3.855	2
75	MP2A	Mx	.001	2
76	MP2B	X	2.226	2
77	MP2B	Z	3.855	2
78	MP2B	Mx	.001	2
79	MP2C	X	1.622	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	2.81	2
81	MP2C	Mx	-.002	2
82	MP3A	X	2.149	2
83	MP3A	Z	3.722	2
84	MP3A	Mx	.001	2
85	MP3B	X	2.149	2
86	MP3B	Z	3.722	2
87	MP3B	Mx	.001	2
88	MP3C	X	1.314	2
89	MP3C	Z	2.276	2
90	MP3C	Mx	-.001	2
91	MP3A	X	1.136	4.5
92	MP3A	Z	1.967	4.5
93	MP3A	Mx	.000568	4.5
94	MP3B	X	1.136	4.5
95	MP3B	Z	1.967	4.5
96	MP3B	Mx	.000568	4.5
97	MP3C	X	.65	4.5
98	MP3C	Z	1.126	4.5
99	MP3C	Mx	-.00065	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.75
2	MP1A	Z	6.099	1.75
3	MP1A	Mx	0	1.75
4	MP1A	X	0	3.75
5	MP1A	Z	6.099	3.75
6	MP1A	Mx	0	3.75
7	MP1B	X	0	1.75
8	MP1B	Z	3.316	1.75
9	MP1B	Mx	-.001	1.75
10	MP1B	X	0	3.75
11	MP1B	Z	3.316	3.75
12	MP1B	Mx	-.001	3.75
13	MP1C	X	0	1.75
14	MP1C	Z	3.316	1.75
15	MP1C	Mx	.001	1.75
16	MP1C	X	0	3.75
17	MP1C	Z	3.316	3.75
18	MP1C	Mx	.001	3.75
19	MP4A	X	0	.25
20	MP4A	Z	7.475	.25
21	MP4A	Mx	0	.25
22	MP4A	X	0	5.25
23	MP4A	Z	7.475	5.25
24	MP4A	Mx	0	5.25
25	MP4C	X	0	.25
26	MP4C	Z	6.308	.25
27	MP4C	Mx	.003	.25
28	MP4C	X	0	5.25
29	MP4C	Z	6.308	5.25
30	MP4C	Mx	.003	5.25
31	MP4B	X	0	.25
32	MP4B	Z	6.308	.25
33	MP4B	Mx	-.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP4B	X	0	5.25
35	MP4B	Z	6.308	5.25
36	MP4B	Mx	-.003	5.25
37	MP2A	X	0	.25
38	MP2A	Z	10.486	.25
39	MP2A	Mx	.007	.25
40	MP2A	X	0	5.25
41	MP2A	Z	10.486	5.25
42	MP2A	Mx	.007	5.25
43	MP2B	X	0	.25
44	MP2B	Z	7.821	.25
45	MP2B	Mx	-.006	.25
46	MP2B	X	0	5.25
47	MP2B	Z	7.821	5.25
48	MP2B	Mx	-.006	5.25
49	MP2C	X	0	.25
50	MP2C	Z	7.821	.25
51	MP2C	Mx	.000943	.25
52	MP2C	X	0	5.25
53	MP2C	Z	7.821	5.25
54	MP2C	Mx	.000943	5.25
55	MP2A	X	0	.25
56	MP2A	Z	10.486	.25
57	MP2A	Mx	-.007	.25
58	MP2A	X	0	5.25
59	MP2A	Z	10.486	5.25
60	MP2A	Mx	-.007	5.25
61	MP2B	X	0	.25
62	MP2B	Z	7.821	.25
63	MP2B	Mx	-.000943	.25
64	MP2B	X	0	5.25
65	MP2B	Z	7.821	5.25
66	MP2B	Mx	-.000943	5.25
67	MP2C	X	0	.25
68	MP2C	Z	7.821	.25
69	MP2C	Mx	.006	.25
70	MP2C	X	0	5.25
71	MP2C	Z	7.821	5.25
72	MP2C	Mx	.006	5.25
73	MP2A	X	0	2
74	MP2A	Z	4.854	2
75	MP2A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	3.647	2
78	MP2B	Mx	.002	2
79	MP2C	X	0	2
80	MP2C	Z	3.647	2
81	MP2C	Mx	-.002	2
82	MP3A	X	0	2
83	MP3A	Z	4.854	2
84	MP3A	Mx	0	2
85	MP3B	X	0	2
86	MP3B	Z	3.184	2
87	MP3B	Mx	.001	2
88	MP3C	X	0	2
89	MP3C	Z	3.184	2
90	MP3C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP3A	X	0	4.5
92	MP3A	Z	2.596	4.5
93	MP3A	Mx	0	4.5
94	MP3B	X	0	4.5
95	MP3B	Z	1.624	4.5
96	MP3B	Mx	.000703	4.5
97	MP3C	X	0	4.5
98	MP3C	Z	1.624	4.5
99	MP3C	Mx	-.000703	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-2.586	1.75
2	MP1A	Z	4.479	1.75
3	MP1A	Mx	.001	1.75
4	MP1A	X	-2.586	3.75
5	MP1A	Z	4.479	3.75
6	MP1A	Mx	.001	3.75
7	MP1B	X	-1.194	1.75
8	MP1B	Z	2.068	1.75
9	MP1B	Mx	-.001	1.75
10	MP1B	X	-1.194	3.75
11	MP1B	Z	2.068	3.75
12	MP1B	Mx	-.001	3.75
13	MP1C	X	-2.586	1.75
14	MP1C	Z	4.479	1.75
15	MP1C	Mx	.001	1.75
16	MP1C	X	-2.586	3.75
17	MP1C	Z	4.479	3.75
18	MP1C	Mx	.001	3.75
19	MP4A	X	-3.543	.25
20	MP4A	Z	6.137	.25
21	MP4A	Mx	.002	.25
22	MP4A	X	-3.543	5.25
23	MP4A	Z	6.137	5.25
24	MP4A	Mx	.002	5.25
25	MP4C	X	-3.543	.25
26	MP4C	Z	6.137	.25
27	MP4C	Mx	.002	.25
28	MP4C	X	-3.543	5.25
29	MP4C	Z	6.137	5.25
30	MP4C	Mx	.002	5.25
31	MP4B	X	-2.959	.25
32	MP4B	Z	5.126	.25
33	MP4B	Mx	-.003	.25
34	MP4B	X	-2.959	5.25
35	MP4B	Z	5.126	5.25
36	MP4B	Mx	-.003	5.25
37	MP2A	X	-4.799	.25
38	MP2A	Z	8.312	.25
39	MP2A	Mx	.008	.25
40	MP2A	X	-4.799	5.25
41	MP2A	Z	8.312	5.25
42	MP2A	Mx	.008	5.25
43	MP2B	X	-3.466	.25
44	MP2B	Z	6.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
45	MP2B	Mx	-.003	.25
46	MP2B	X	-3.466	5.25
47	MP2B	Z	6.003	5.25
48	MP2B	Mx	-.003	5.25
49	MP2C	X	-4.799	.25
50	MP2C	Z	8.312	.25
51	MP2C	Mx	-.003	.25
52	MP2C	X	-4.799	5.25
53	MP2C	Z	8.312	5.25
54	MP2C	Mx	-.003	5.25
55	MP2A	X	-4.799	.25
56	MP2A	Z	8.312	.25
57	MP2A	Mx	-.003	.25
58	MP2A	X	-4.799	5.25
59	MP2A	Z	8.312	5.25
60	MP2A	Mx	-.003	5.25
61	MP2B	X	-3.466	.25
62	MP2B	Z	6.003	.25
63	MP2B	Mx	-.003	.25
64	MP2B	X	-3.466	5.25
65	MP2B	Z	6.003	5.25
66	MP2B	Mx	-.003	5.25
67	MP2C	X	-4.799	.25
68	MP2C	Z	8.312	.25
69	MP2C	Mx	.008	.25
70	MP2C	X	-4.799	5.25
71	MP2C	Z	8.312	5.25
72	MP2C	Mx	.008	5.25
73	MP2A	X	-2.226	2
74	MP2A	Z	3.855	2
75	MP2A	Mx	-.001	2
76	MP2B	X	-1.622	2
77	MP2B	Z	2.81	2
78	MP2B	Mx	.002	2
79	MP2C	X	-2.226	2
80	MP2C	Z	3.855	2
81	MP2C	Mx	-.001	2
82	MP3A	X	-2.149	2
83	MP3A	Z	3.722	2
84	MP3A	Mx	-.001	2
85	MP3B	X	-1.314	2
86	MP3B	Z	2.276	2
87	MP3B	Mx	.001	2
88	MP3C	X	-2.149	2
89	MP3C	Z	3.722	2
90	MP3C	Mx	-.001	2
91	MP3A	X	-1.136	4.5
92	MP3A	Z	1.967	4.5
93	MP3A	Mx	-.000568	4.5
94	MP3B	X	-.65	4.5
95	MP3B	Z	1.126	4.5
96	MP3B	Mx	.00065	4.5
97	MP3C	X	-1.136	4.5
98	MP3C	Z	1.967	4.5
99	MP3C	Mx	-.000568	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-2.872	1.75
2	MP1A	Z	1.658	1.75
3	MP1A	Mx	.001	1.75
4	MP1A	X	-2.872	3.75
5	MP1A	Z	1.658	3.75
6	MP1A	Mx	.001	3.75
7	MP1B	X	-2.872	1.75
8	MP1B	Z	1.658	1.75
9	MP1B	Mx	-.001	1.75
10	MP1B	X	-2.872	3.75
11	MP1B	Z	1.658	3.75
12	MP1B	Mx	-.001	3.75
13	MP1C	X	-5.282	1.75
14	MP1C	Z	3.05	1.75
15	MP1C	Mx	0	1.75
16	MP1C	X	-5.282	3.75
17	MP1C	Z	3.05	3.75
18	MP1C	Mx	0	3.75
19	MP4A	X	-5.463	.25
20	MP4A	Z	3.154	.25
21	MP4A	Mx	.003	.25
22	MP4A	X	-5.463	5.25
23	MP4A	Z	3.154	5.25
24	MP4A	Mx	.003	5.25
25	MP4C	X	-6.474	.25
26	MP4C	Z	3.738	.25
27	MP4C	Mx	0	.25
28	MP4C	X	-6.474	5.25
29	MP4C	Z	3.738	5.25
30	MP4C	Mx	0	5.25
31	MP4B	X	-5.463	.25
32	MP4B	Z	3.154	.25
33	MP4B	Mx	-.003	.25
34	MP4B	X	-5.463	5.25
35	MP4B	Z	3.154	5.25
36	MP4B	Mx	-.003	5.25
37	MP2A	X	-6.773	.25
38	MP2A	Z	3.91	.25
39	MP2A	Mx	.006	.25
40	MP2A	X	-6.773	5.25
41	MP2A	Z	3.91	5.25
42	MP2A	Mx	.006	5.25
43	MP2B	X	-6.773	.25
44	MP2B	Z	3.91	.25
45	MP2B	Mx	-.000942	.25
46	MP2B	X	-6.773	5.25
47	MP2B	Z	3.91	5.25
48	MP2B	Mx	-.000942	5.25
49	MP2C	X	-9.081	.25
50	MP2C	Z	5.243	.25
51	MP2C	Mx	-.007	.25
52	MP2C	X	-9.081	5.25
53	MP2C	Z	5.243	5.25
54	MP2C	Mx	-.007	5.25
55	MP2A	X	-6.773	.25
56	MP2A	Z	3.91	.25
57	MP2A	Mx	.000943	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-6.773	5.25
59	MP2A	Z	3.91	5.25
60	MP2A	Mx	.000943	5.25
61	MP2B	X	-6.773	.25
62	MP2B	Z	3.91	.25
63	MP2B	Mx	-.006	.25
64	MP2B	X	-6.773	5.25
65	MP2B	Z	3.91	5.25
66	MP2B	Mx	-.006	5.25
67	MP2C	X	-9.081	.25
68	MP2C	Z	5.243	.25
69	MP2C	Mx	.007	.25
70	MP2C	X	-9.081	5.25
71	MP2C	Z	5.243	5.25
72	MP2C	Mx	.007	5.25
73	MP2A	X	-3.158	2
74	MP2A	Z	1.823	2
75	MP2A	Mx	-.002	2
76	MP2B	X	-3.158	2
77	MP2B	Z	1.823	2
78	MP2B	Mx	.002	2
79	MP2C	X	-4.203	2
80	MP2C	Z	2.427	2
81	MP2C	Mx	0	2
82	MP3A	X	-2.758	2
83	MP3A	Z	1.592	2
84	MP3A	Mx	-.001	2
85	MP3B	X	-2.758	2
86	MP3B	Z	1.592	2
87	MP3B	Mx	.001	2
88	MP3C	X	-4.203	2
89	MP3C	Z	2.427	2
90	MP3C	Mx	0	2
91	MP3A	X	-1.407	4.5
92	MP3A	Z	.812	4.5
93	MP3A	Mx	-.000704	4.5
94	MP3B	X	-1.407	4.5
95	MP3B	Z	.812	4.5
96	MP3B	Mx	.000703	4.5
97	MP3C	X	-2.248	4.5
98	MP3C	Z	1.298	4.5
99	MP3C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.388	1.75
2	MP1A	Z	0	1.75
3	MP1A	Mx	.001	1.75
4	MP1A	X	-2.388	3.75
5	MP1A	Z	0	3.75
6	MP1A	Mx	.001	3.75
7	MP1B	X	-5.172	1.75
8	MP1B	Z	0	1.75
9	MP1B	Mx	-.001	1.75
10	MP1B	X	-5.172	3.75
11	MP1B	Z	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	-.001	3.75
13	MP1C	X	-5.172	1.75
14	MP1C	Z	0	1.75
15	MP1C	Mx	-.001	1.75
16	MP1C	X	-5.172	3.75
17	MP1C	Z	0	3.75
18	MP1C	Mx	-.001	3.75
19	MP4A	X	-5.919	.25
20	MP4A	Z	0	.25
21	MP4A	Mx	.003	.25
22	MP4A	X	-5.919	5.25
23	MP4A	Z	0	5.25
24	MP4A	Mx	.003	5.25
25	MP4C	X	-7.086	.25
26	MP4C	Z	0	.25
27	MP4C	Mx	-.002	.25
28	MP4C	X	-7.086	5.25
29	MP4C	Z	0	5.25
30	MP4C	Mx	-.002	5.25
31	MP4B	X	-7.086	.25
32	MP4B	Z	0	.25
33	MP4B	Mx	-.002	.25
34	MP4B	X	-7.086	5.25
35	MP4B	Z	0	5.25
36	MP4B	Mx	-.002	5.25
37	MP2A	X	-6.932	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.003	.25
40	MP2A	X	-6.932	5.25
41	MP2A	Z	0	5.25
42	MP2A	Mx	.003	5.25
43	MP2B	X	-9.598	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.003	.25
46	MP2B	X	-9.598	5.25
47	MP2B	Z	0	5.25
48	MP2B	Mx	.003	5.25
49	MP2C	X	-9.598	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.008	.25
52	MP2C	X	-9.598	5.25
53	MP2C	Z	0	5.25
54	MP2C	Mx	-.008	5.25
55	MP2A	X	-6.932	.25
56	MP2A	Z	0	.25
57	MP2A	Mx	.003	.25
58	MP2A	X	-6.932	5.25
59	MP2A	Z	0	5.25
60	MP2A	Mx	.003	5.25
61	MP2B	X	-9.598	.25
62	MP2B	Z	0	.25
63	MP2B	Mx	-.008	.25
64	MP2B	X	-9.598	5.25
65	MP2B	Z	0	5.25
66	MP2B	Mx	-.008	5.25
67	MP2C	X	-9.598	.25
68	MP2C	Z	0	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP2C	Mx	.003	.25
70	MP2C	X	-9.598	5.25
71	MP2C	Z	0	5.25
72	MP2C	Mx	.003	5.25
73	MP2A	X	-3.244	2
74	MP2A	Z	0	2
75	MP2A	Mx	-.002	2
76	MP2B	X	-4.451	2
77	MP2B	Z	0	2
78	MP2B	Mx	.001	2
79	MP2C	X	-4.451	2
80	MP2C	Z	0	2
81	MP2C	Mx	.001	2
82	MP3A	X	-2.628	2
83	MP3A	Z	0	2
84	MP3A	Mx	-.001	2
85	MP3B	X	-4.297	2
86	MP3B	Z	0	2
87	MP3B	Mx	.001	2
88	MP3C	X	-4.297	2
89	MP3C	Z	0	2
90	MP3C	Mx	.001	2
91	MP3A	X	-1.301	4.5
92	MP3A	Z	0	4.5
93	MP3A	Mx	-.00065	4.5
94	MP3B	X	-2.272	4.5
95	MP3B	Z	0	4.5
96	MP3B	Mx	.000568	4.5
97	MP3C	X	-2.272	4.5
98	MP3C	Z	0	4.5
99	MP3C	Mx	.000568	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	-2.872	1.75
2	MP1A	Z	-1.658	1.75
3	MP1A	Mx	.001	1.75
4	MP1A	X	-2.872	3.75
5	MP1A	Z	-1.658	3.75
6	MP1A	Mx	.001	3.75
7	MP1B	X	-5.282	1.75
8	MP1B	Z	-3.05	1.75
9	MP1B	Mx	0	1.75
10	MP1B	X	-5.282	3.75
11	MP1B	Z	-3.05	3.75
12	MP1B	Mx	0	3.75
13	MP1C	X	-2.872	1.75
14	MP1C	Z	-1.658	1.75
15	MP1C	Mx	-.001	1.75
16	MP1C	X	-2.872	3.75
17	MP1C	Z	-1.658	3.75
18	MP1C	Mx	-.001	3.75
19	MP4A	X	-5.463	.25
20	MP4A	Z	-3.154	.25
21	MP4A	Mx	.003	.25
22	MP4A	X	-5.463	5.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
23	MP4A	Z	-3.154	5.25
24	MP4A	Mx	.003	5.25
25	MP4C	X	-5.463	.25
26	MP4C	Z	-3.154	.25
27	MP4C	Mx	-.003	.25
28	MP4C	X	-5.463	5.25
29	MP4C	Z	-3.154	5.25
30	MP4C	Mx	-.003	5.25
31	MP4B	X	-6.474	.25
32	MP4B	Z	-3.738	.25
33	MP4B	Mx	0	.25
34	MP4B	X	-6.474	5.25
35	MP4B	Z	-3.738	5.25
36	MP4B	Mx	0	5.25
37	MP2A	X	-6.773	.25
38	MP2A	Z	-3.91	.25
39	MP2A	Mx	.000943	.25
40	MP2A	X	-6.773	5.25
41	MP2A	Z	-3.91	5.25
42	MP2A	Mx	.000943	5.25
43	MP2B	X	-9.081	.25
44	MP2B	Z	-5.243	.25
45	MP2B	Mx	.007	.25
46	MP2B	X	-9.081	5.25
47	MP2B	Z	-5.243	5.25
48	MP2B	Mx	.007	5.25
49	MP2C	X	-6.773	.25
50	MP2C	Z	-3.91	.25
51	MP2C	Mx	-.006	.25
52	MP2C	X	-6.773	5.25
53	MP2C	Z	-3.91	5.25
54	MP2C	Mx	-.006	5.25
55	MP2A	X	-6.773	.25
56	MP2A	Z	-3.91	.25
57	MP2A	Mx	.006	.25
58	MP2A	X	-6.773	5.25
59	MP2A	Z	-3.91	5.25
60	MP2A	Mx	.006	5.25
61	MP2B	X	-9.081	.25
62	MP2B	Z	-5.243	.25
63	MP2B	Mx	-.007	.25
64	MP2B	X	-9.081	5.25
65	MP2B	Z	-5.243	5.25
66	MP2B	Mx	-.007	5.25
67	MP2C	X	-6.773	.25
68	MP2C	Z	-3.91	.25
69	MP2C	Mx	-.000942	.25
70	MP2C	X	-6.773	5.25
71	MP2C	Z	-3.91	5.25
72	MP2C	Mx	-.000942	5.25
73	MP2A	X	-3.158	2
74	MP2A	Z	-1.823	2
75	MP2A	Mx	-.002	2
76	MP2B	X	-4.203	2
77	MP2B	Z	-2.427	2
78	MP2B	Mx	0	2
79	MP2C	X	-3.158	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
80	MP2C	Z	-1.823	2
81	MP2C	Mx	.002	2
82	MP3A	X	-2.758	2
83	MP3A	Z	-1.592	2
84	MP3A	Mx	-.001	2
85	MP3B	X	-4.203	2
86	MP3B	Z	-2.427	2
87	MP3B	Mx	0	2
88	MP3C	X	-2.758	2
89	MP3C	Z	-1.592	2
90	MP3C	Mx	.001	2
91	MP3A	X	-1.407	4.5
92	MP3A	Z	-.812	4.5
93	MP3A	Mx	-.000704	4.5
94	MP3B	X	-2.248	4.5
95	MP3B	Z	-1.298	4.5
96	MP3B	Mx	0	4.5
97	MP3C	X	-1.407	4.5
98	MP3C	Z	-.812	4.5
99	MP3C	Mx	.000703	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-2.586	1.75
2	MP1A	Z	-4.479	1.75
3	MP1A	Mx	.001	1.75
4	MP1A	X	-2.586	3.75
5	MP1A	Z	-4.479	3.75
6	MP1A	Mx	.001	3.75
7	MP1B	X	-2.586	1.75
8	MP1B	Z	-4.479	1.75
9	MP1B	Mx	.001	1.75
10	MP1B	X	-2.586	3.75
11	MP1B	Z	-4.479	3.75
12	MP1B	Mx	.001	3.75
13	MP1C	X	-1.194	1.75
14	MP1C	Z	-2.068	1.75
15	MP1C	Mx	-.001	1.75
16	MP1C	X	-1.194	3.75
17	MP1C	Z	-2.068	3.75
18	MP1C	Mx	-.001	3.75
19	MP4A	X	-3.543	.25
20	MP4A	Z	-6.137	.25
21	MP4A	Mx	.002	.25
22	MP4A	X	-3.543	5.25
23	MP4A	Z	-6.137	5.25
24	MP4A	Mx	.002	5.25
25	MP4C	X	-2.959	.25
26	MP4C	Z	-5.126	.25
27	MP4C	Mx	-.003	.25
28	MP4C	X	-2.959	5.25
29	MP4C	Z	-5.126	5.25
30	MP4C	Mx	-.003	5.25
31	MP4B	X	-3.543	.25
32	MP4B	Z	-6.137	.25
33	MP4B	Mx	.002	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP4B	X	-3.543	5.25
35	MP4B	Z	-6.137	5.25
36	MP4B	Mx	.002	5.25
37	MP2A	X	-4.799	.25
38	MP2A	Z	-8.312	.25
39	MP2A	Mx	-.003	.25
40	MP2A	X	-4.799	5.25
41	MP2A	Z	-8.312	5.25
42	MP2A	Mx	-.003	5.25
43	MP2B	X	-4.799	.25
44	MP2B	Z	-8.312	.25
45	MP2B	Mx	.008	.25
46	MP2B	X	-4.799	5.25
47	MP2B	Z	-8.312	5.25
48	MP2B	Mx	.008	5.25
49	MP2C	X	-3.466	.25
50	MP2C	Z	-6.003	.25
51	MP2C	Mx	-.003	.25
52	MP2C	X	-3.466	5.25
53	MP2C	Z	-6.003	5.25
54	MP2C	Mx	-.003	5.25
55	MP2A	X	-4.799	.25
56	MP2A	Z	-8.312	.25
57	MP2A	Mx	.008	.25
58	MP2A	X	-4.799	5.25
59	MP2A	Z	-8.312	5.25
60	MP2A	Mx	.008	5.25
61	MP2B	X	-4.799	.25
62	MP2B	Z	-8.312	.25
63	MP2B	Mx	-.003	.25
64	MP2B	X	-4.799	5.25
65	MP2B	Z	-8.312	5.25
66	MP2B	Mx	-.003	5.25
67	MP2C	X	-3.466	.25
68	MP2C	Z	-6.003	.25
69	MP2C	Mx	-.003	.25
70	MP2C	X	-3.466	5.25
71	MP2C	Z	-6.003	5.25
72	MP2C	Mx	-.003	5.25
73	MP2A	X	-2.226	2
74	MP2A	Z	-3.855	2
75	MP2A	Mx	-.001	2
76	MP2B	X	-2.226	2
77	MP2B	Z	-3.855	2
78	MP2B	Mx	-.001	2
79	MP2C	X	-1.622	2
80	MP2C	Z	-2.81	2
81	MP2C	Mx	.002	2
82	MP3A	X	-2.149	2
83	MP3A	Z	-3.722	2
84	MP3A	Mx	-.001	2
85	MP3B	X	-2.149	2
86	MP3B	Z	-3.722	2
87	MP3B	Mx	-.001	2
88	MP3C	X	-1.314	2
89	MP3C	Z	-2.276	2
90	MP3C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
91	MP3A	X	-1.136	4.5
92	MP3A	Z	-1.967	4.5
93	MP3A	Mx	-.000568	4.5
94	MP3B	X	-1.136	4.5
95	MP3B	Z	-1.967	4.5
96	MP3B	Mx	-.000568	4.5
97	MP3C	X	-.65	4.5
98	MP3C	Z	-1.126	4.5
99	MP3C	Mx	.00065	4.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	M59	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	M60	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	M1	Y	-250	%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	-10.91	-10.91	0	%100
2	M2	Y	-10.91	-10.91	0	%100
3	M3	Y	-10.91	-10.91	0	%100
4	M4	Y	-15.424	-15.424	0	%100
5	M5	Y	-15.424	-15.424	0	%100
6	M6	Y	-15.424	-15.424	0	%100
7	M7	Y	-11.758	-11.758	0	%100
8	M8	Y	-11.758	-11.758	0	%100
9	M9	Y	-11.758	-11.758	0	%100
10	M10	Y	-11.758	-11.758	0	%100
11	M11	Y	-11.758	-11.758	0	%100
12	M12	Y	-11.758	-11.758	0	%100
13	M13	Y	-11.758	-11.758	0	%100
14	M14	Y	-11.758	-11.758	0	%100
15	M15	Y	-11.758	-11.758	0	%100
16	M16	Y	-11.758	-11.758	0	%100
17	M17	Y	-11.758	-11.758	0	%100
18	M18	Y	-11.758	-11.758	0	%100
19	M19	Y	-16.166	-16.166	0	%100
20	M20	Y	-16.166	-16.166	0	%100
21	M21	Y	-16.166	-16.166	0	%100
22	M22	Y	-16.166	-16.166	0	%100
23	M23	Y	-16.166	-16.166	0	%100
24	M24	Y	-16.166	-16.166	0	%100
25	M25	Y	-16.166	-16.166	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.%]
26	M26	Y	-16.166	-16.166	0	%100
27	M27	Y	-16.166	-16.166	0	%100
28	M28	Y	-16.166	-16.166	0	%100
29	M29	Y	-16.166	-16.166	0	%100
30	M30	Y	-16.166	-16.166	0	%100
31	M31	Y	-16.166	-16.166	0	%100
32	M32	Y	-16.166	-16.166	0	%100
33	M33	Y	-16.166	-16.166	0	%100
34	MP1A	Y	-8.555	-8.555	0	%100
35	MP2A	Y	-8.555	-8.555	0	%100
36	MP3A	Y	-8.555	-8.555	0	%100
37	MP4A	Y	-8.555	-8.555	0	%100
38	MP1B	Y	-8.555	-8.555	0	%100
39	MP2B	Y	-8.555	-8.555	0	%100
40	MP3B	Y	-8.555	-8.555	0	%100
41	MP4B	Y	-8.555	-8.555	0	%100
42	MP1C	Y	-8.555	-8.555	0	%100
43	MP2C	Y	-8.555	-8.555	0	%100
44	MP3C	Y	-8.555	-8.555	0	%100
45	MP4C	Y	-8.555	-8.555	0	%100
46	M70	Y	-9.602	-9.602	0	%100
47	M71	Y	-9.602	-9.602	0	%100
48	M72	Y	-9.602	-9.602	0	%100
49	M97	Y	-12.464	-12.464	0	%100
50	M98	Y	-12.464	-12.464	0	%100
51	M99	Y	-12.464	-12.464	0	%100
52	M95	Y	-16.927	-16.927	0	%100
53	M97A	Y	-16.927	-16.927	0	%100
54	M99A	Y	-16.927	-16.927	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	-13.582	-13.582	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-3.396	-3.396	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-3.396	-3.396	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-10.264	-10.264	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-10.264	-10.264	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-12.408	-12.408	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-12.408	-12.408	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-3.102	-3.102	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-3.102	-3.102	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-3.102	-3.102	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-3.102	-3.102	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.%]
25	M13	X	0	0	0	%100
26	M13	Z	-4.401	-4.401	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-3.667	-3.667	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-17.013	-17.013	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	-3.424	-3.424	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	-4.108	-4.108	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	-14.178	-14.178	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-5.821	-5.821	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-23.284	-23.284	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-5.821	-5.821	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	-5.821	-5.821	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	-5.821	-5.821	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	-23.284	-23.284	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	-23.284	-23.284	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-5.821	-5.821	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-5.821	-5.821	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-5.821	-5.821	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	-5.821	-5.821	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	-5.821	-5.821	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	-23.284	-23.284	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	-23.284	-23.284	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	-5.821	-5.821	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	-9.216	-9.216	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	-9.216	-9.216	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	-9.216	-9.216	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	-9.216	-9.216	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	-9.216	-9.216	0	%100
77	MP2B	X	0	0	0	%100
78	MP2B	Z	-9.216	-9.216	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	-9.216	-9.216	0	%100
81	MP4B	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, %]
82	MP4B	Z	-9.216	-9.216	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	-9.216	-9.216	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	-9.216	-9.216	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-9.216	-9.216	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-9.216	-9.216	0	%100
91	M70	X	0	0	0	%100
92	M70	Z	-11.157	-11.157	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	-2.789	-2.789	0	%100
95	M72	X	0	0	0	%100
96	M72	Z	-2.789	-2.789	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	-3.577	-3.577	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	-3.577	-3.577	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	-14.309	-14.309	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	-13.386	-13.386	0	%100
105	M97A	X	0	0	0	%100
106	M97A	Z	-15.783	-15.783	0	%100
107	M99A	X	0	0	0	%100
108	M99A	Z	-15.783	-15.783	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	5.093	5.093	0	%100
2	M1	Z	-8.822	-8.822	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	5.093	5.093	0	%100
6	M3	Z	-8.822	-8.822	0	%100
7	M4	X	1.711	1.711	0	%100
8	M4	Z	-2.963	-2.963	0	%100
9	M5	X	1.711	1.711	0	%100
10	M5	Z	-2.963	-2.963	0	%100
11	M6	X	6.843	6.843	0	%100
12	M6	Z	-11.852	-11.852	0	%100
13	M7	X	4.653	4.653	0	%100
14	M7	Z	-8.059	-8.059	0	%100
15	M8	X	4.653	4.653	0	%100
16	M8	Z	-8.059	-8.059	0	%100
17	M9	X	4.653	4.653	0	%100
18	M9	Z	-8.059	-8.059	0	%100
19	M10	X	4.653	4.653	0	%100
20	M10	Z	-8.059	-8.059	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	.000838	.000838	0	%100
26	M13	Z	-.001	-.001	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.%]
27	M14	X	5.378	5.378	0	%100
28	M14	Z	-9.314	-9.314	0	%100
29	M15	X	6.453	6.453	0	%100
30	M15	Z	-11.177	-11.177	0	%100
31	M16	X	.000698	.000698	0	%100
32	M16	Z	-.001	-.001	0	%100
33	M17	X	6.307	6.307	0	%100
34	M17	Z	-10.924	-10.924	0	%100
35	M18	X	5.256	5.256	0	%100
36	M18	Z	-9.103	-9.103	0	%100
37	M19	X	8.731	8.731	0	%100
38	M19	Z	-15.123	-15.123	0	%100
39	M20	X	8.731	8.731	0	%100
40	M20	Z	-15.123	-15.123	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	8.731	8.731	0	%100
46	M23	Z	-15.123	-15.123	0	%100
47	M24	X	8.731	8.731	0	%100
48	M24	Z	-15.123	-15.123	0	%100
49	M25	X	8.731	8.731	0	%100
50	M25	Z	-15.123	-15.123	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	8.731	8.731	0	%100
54	M27	Z	-15.123	-15.123	0	%100
55	M28	X	8.731	8.731	0	%100
56	M28	Z	-15.123	-15.123	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	8.731	8.731	0	%100
62	M31	Z	-15.123	-15.123	0	%100
63	M32	X	8.731	8.731	0	%100
64	M32	Z	-15.123	-15.123	0	%100
65	M33	X	8.731	8.731	0	%100
66	M33	Z	-15.123	-15.123	0	%100
67	MP1A	X	4.608	4.608	0	%100
68	MP1A	Z	-7.982	-7.982	0	%100
69	MP2A	X	4.608	4.608	0	%100
70	MP2A	Z	-7.982	-7.982	0	%100
71	MP3A	X	4.608	4.608	0	%100
72	MP3A	Z	-7.982	-7.982	0	%100
73	MP4A	X	4.608	4.608	0	%100
74	MP4A	Z	-7.982	-7.982	0	%100
75	MP1B	X	4.608	4.608	0	%100
76	MP1B	Z	-7.982	-7.982	0	%100
77	MP2B	X	4.608	4.608	0	%100
78	MP2B	Z	-7.982	-7.982	0	%100
79	MP3B	X	4.608	4.608	0	%100
80	MP3B	Z	-7.982	-7.982	0	%100
81	MP4B	X	4.608	4.608	0	%100
82	MP4B	Z	-7.982	-7.982	0	%100
83	MP1C	X	4.608	4.608	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, %]
84	MP1C	Z	-7.982	-7.982	0	%100
85	MP2C	X	4.608	4.608	0	%100
86	MP2C	Z	-7.982	-7.982	0	%100
87	MP3C	X	4.608	4.608	0	%100
88	MP3C	Z	-7.982	-7.982	0	%100
89	MP4C	X	4.608	4.608	0	%100
90	MP4C	Z	-7.982	-7.982	0	%100
91	M70	X	4.184	4.184	0	%100
92	M70	Z	-7.247	-7.247	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	0	0	0	%100
95	M72	X	4.184	4.184	0	%100
96	M72	Z	-7.247	-7.247	0	%100
97	M97	X	5.366	5.366	0	%100
98	M97	Z	-9.294	-9.294	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M99	X	5.366	5.366	0	%100
102	M99	Z	-9.294	-9.294	0	%100
103	M95	X	7.093	7.093	0	%100
104	M95	Z	-12.285	-12.285	0	%100
105	M97A	X	7.093	7.093	0	%100
106	M97A	Z	-12.285	-12.285	0	%100
107	M99A	X	8.291	8.291	0	%100
108	M99A	Z	-14.361	-14.361	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	2.941	2.941	0	%100
2	M1	Z	-1.698	-1.698	0	%100
3	M2	X	2.941	2.941	0	%100
4	M2	Z	-1.698	-1.698	0	%100
5	M3	X	11.762	11.762	0	%100
6	M3	Z	-6.791	-6.791	0	%100
7	M4	X	8.889	8.889	0	%100
8	M4	Z	-5.132	-5.132	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	8.889	8.889	0	%100
12	M6	Z	-5.132	-5.132	0	%100
13	M7	X	2.686	2.686	0	%100
14	M7	Z	-1.551	-1.551	0	%100
15	M8	X	2.686	2.686	0	%100
16	M8	Z	-1.551	-1.551	0	%100
17	M9	X	10.745	10.745	0	%100
18	M9	Z	-6.204	-6.204	0	%100
19	M10	X	10.745	10.745	0	%100
20	M10	Z	-6.204	-6.204	0	%100
21	M11	X	2.686	2.686	0	%100
22	M11	Z	-1.551	-1.551	0	%100
23	M12	X	2.686	2.686	0	%100
24	M12	Z	-1.551	-1.551	0	%100
25	M13	X	3.558	3.558	0	%100
26	M13	Z	-2.054	-2.054	0	%100
27	M14	X	12.278	12.278	0	%100
28	M14	Z	-7.089	-7.089	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. %]
29	M15	X	3.811	3.811	0	%100
30	M15	Z	-2.2	-2.2	0	%100
31	M16	X	3.176	3.176	0	%100
32	M16	Z	-1.834	-1.834	0	%100
33	M17	X	14.734	14.734	0	%100
34	M17	Z	-8.507	-8.507	0	%100
35	M18	X	2.965	2.965	0	%100
36	M18	Z	-1.712	-1.712	0	%100
37	M19	X	20.164	20.164	0	%100
38	M19	Z	-11.642	-11.642	0	%100
39	M20	X	5.041	5.041	0	%100
40	M20	Z	-2.91	-2.91	0	%100
41	M21	X	5.041	5.041	0	%100
42	M21	Z	-2.91	-2.91	0	%100
43	M22	X	5.041	5.041	0	%100
44	M22	Z	-2.91	-2.91	0	%100
45	M23	X	20.164	20.164	0	%100
46	M23	Z	-11.642	-11.642	0	%100
47	M24	X	5.041	5.041	0	%100
48	M24	Z	-2.91	-2.91	0	%100
49	M25	X	5.041	5.041	0	%100
50	M25	Z	-2.91	-2.91	0	%100
51	M26	X	5.041	5.041	0	%100
52	M26	Z	-2.91	-2.91	0	%100
53	M27	X	20.164	20.164	0	%100
54	M27	Z	-11.642	-11.642	0	%100
55	M28	X	20.164	20.164	0	%100
56	M28	Z	-11.642	-11.642	0	%100
57	M29	X	5.041	5.041	0	%100
58	M29	Z	-2.91	-2.91	0	%100
59	M30	X	5.041	5.041	0	%100
60	M30	Z	-2.91	-2.91	0	%100
61	M31	X	5.041	5.041	0	%100
62	M31	Z	-2.91	-2.91	0	%100
63	M32	X	5.041	5.041	0	%100
64	M32	Z	-2.91	-2.91	0	%100
65	M33	X	20.164	20.164	0	%100
66	M33	Z	-11.642	-11.642	0	%100
67	MP1A	X	7.982	7.982	0	%100
68	MP1A	Z	-4.608	-4.608	0	%100
69	MP2A	X	7.982	7.982	0	%100
70	MP2A	Z	-4.608	-4.608	0	%100
71	MP3A	X	7.982	7.982	0	%100
72	MP3A	Z	-4.608	-4.608	0	%100
73	MP4A	X	7.982	7.982	0	%100
74	MP4A	Z	-4.608	-4.608	0	%100
75	MP1B	X	7.982	7.982	0	%100
76	MP1B	Z	-4.608	-4.608	0	%100
77	MP2B	X	7.982	7.982	0	%100
78	MP2B	Z	-4.608	-4.608	0	%100
79	MP3B	X	7.982	7.982	0	%100
80	MP3B	Z	-4.608	-4.608	0	%100
81	MP4B	X	7.982	7.982	0	%100
82	MP4B	Z	-4.608	-4.608	0	%100
83	MP1C	X	7.982	7.982	0	%100
84	MP1C	Z	-4.608	-4.608	0	%100
85	MP2C	X	7.982	7.982	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, %]
86	MP2C	Z	-4.608	-4.608	0	%100
87	MP3C	X	7.982	7.982	0	%100
88	MP3C	Z	-4.608	-4.608	0	%100
89	MP4C	X	7.982	7.982	0	%100
90	MP4C	Z	-4.608	-4.608	0	%100
91	M70	X	2.416	2.416	0	%100
92	M70	Z	-1.395	-1.395	0	%100
93	M71	X	2.416	2.416	0	%100
94	M71	Z	-1.395	-1.395	0	%100
95	M72	X	9.662	9.662	0	%100
96	M72	Z	-5.578	-5.578	0	%100
97	M97	X	12.392	12.392	0	%100
98	M97	Z	-7.155	-7.155	0	%100
99	M98	X	3.098	3.098	0	%100
100	M98	Z	-1.789	-1.789	0	%100
101	M99	X	3.098	3.098	0	%100
102	M99	Z	-1.789	-1.789	0	%100
103	M95	X	13.669	13.669	0	%100
104	M95	Z	-7.892	-7.892	0	%100
105	M97A	X	11.592	11.592	0	%100
106	M97A	Z	-6.693	-6.693	0	%100
107	M99A	X	13.669	13.669	0	%100
108	M99A	Z	-7.892	-7.892	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	10.187	10.187	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	10.187	10.187	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	13.685	13.685	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	3.421	3.421	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	3.421	3.421	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	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	9.306	9.306	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	9.306	9.306	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	9.306	9.306	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	9.306	9.306	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	12.614	12.614	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	10.512	10.512	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	.002	.002	0	%100
30	M15	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.%,]
31	M16	X	10.755	10.755	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	12.906	12.906	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	.001	.001	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	17.463	17.463	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	17.463	17.463	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	17.463	17.463	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	17.463	17.463	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	17.463	17.463	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	17.463	17.463	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	17.463	17.463	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	17.463	17.463	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	17.463	17.463	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	17.463	17.463	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	9.216	9.216	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	9.216	9.216	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	9.216	9.216	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	9.216	9.216	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1B	X	9.216	9.216	0	%100
76	MP1B	Z	0	0	0	%100
77	MP2B	X	9.216	9.216	0	%100
78	MP2B	Z	0	0	0	%100
79	MP3B	X	9.216	9.216	0	%100
80	MP3B	Z	0	0	0	%100
81	MP4B	X	9.216	9.216	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1C	X	9.216	9.216	0	%100
84	MP1C	Z	0	0	0	%100
85	MP2C	X	9.216	9.216	0	%100
86	MP2C	Z	0	0	0	%100
87	MP3C	X	9.216	9.216	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.%]
88	MP3C	Z	0	0	0	%100
89	MP4C	X	9.216	9.216	0	%100
90	MP4C	Z	0	0	0	%100
91	M70	X	0	0	0	%100
92	M70	Z	0	0	0	%100
93	M71	X	8.368	8.368	0	%100
94	M71	Z	0	0	0	%100
95	M72	X	8.368	8.368	0	%100
96	M72	Z	0	0	0	%100
97	M97	X	10.732	10.732	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	10.732	10.732	0	%100
100	M98	Z	0	0	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	0	0	0	%100
103	M95	X	16.583	16.583	0	%100
104	M95	Z	0	0	0	%100
105	M97A	X	14.185	14.185	0	%100
106	M97A	Z	0	0	0	%100
107	M99A	X	14.185	14.185	0	%100
108	M99A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.941	2.941	0	%100
2	M1	Z	1.698	1.698	0	%100
3	M2	X	11.762	11.762	0	%100
4	M2	Z	6.791	6.791	0	%100
5	M3	X	2.941	2.941	0	%100
6	M3	Z	1.698	1.698	0	%100
7	M4	X	8.889	8.889	0	%100
8	M4	Z	5.132	5.132	0	%100
9	M5	X	8.889	8.889	0	%100
10	M5	Z	5.132	5.132	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	2.686	2.686	0	%100
14	M7	Z	1.551	1.551	0	%100
15	M8	X	2.686	2.686	0	%100
16	M8	Z	1.551	1.551	0	%100
17	M9	X	2.686	2.686	0	%100
18	M9	Z	1.551	1.551	0	%100
19	M10	X	2.686	2.686	0	%100
20	M10	Z	1.551	1.551	0	%100
21	M11	X	10.745	10.745	0	%100
22	M11	Z	6.204	6.204	0	%100
23	M12	X	10.745	10.745	0	%100
24	M12	Z	6.204	6.204	0	%100
25	M13	X	14.734	14.734	0	%100
26	M13	Z	8.507	8.507	0	%100
27	M14	X	2.965	2.965	0	%100
28	M14	Z	1.712	1.712	0	%100
29	M15	X	3.558	3.558	0	%100
30	M15	Z	2.054	2.054	0	%100
31	M16	X	12.278	12.278	0	%100
32	M16	Z	7.089	7.089	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, %]
33	M17	X	3.811	3.811	0	%100
34	M17	Z	2.2	2.2	0	%100
35	M18	X	3.176	3.176	0	%100
36	M18	Z	1.834	1.834	0	%100
37	M19	X	5.041	5.041	0	%100
38	M19	Z	2.91	2.91	0	%100
39	M20	X	5.041	5.041	0	%100
40	M20	Z	2.91	2.91	0	%100
41	M21	X	20.164	20.164	0	%100
42	M21	Z	11.642	11.642	0	%100
43	M22	X	20.164	20.164	0	%100
44	M22	Z	11.642	11.642	0	%100
45	M23	X	5.041	5.041	0	%100
46	M23	Z	2.91	2.91	0	%100
47	M24	X	5.041	5.041	0	%100
48	M24	Z	2.91	2.91	0	%100
49	M25	X	5.041	5.041	0	%100
50	M25	Z	2.91	2.91	0	%100
51	M26	X	20.164	20.164	0	%100
52	M26	Z	11.642	11.642	0	%100
53	M27	X	5.041	5.041	0	%100
54	M27	Z	2.91	2.91	0	%100
55	M28	X	5.041	5.041	0	%100
56	M28	Z	2.91	2.91	0	%100
57	M29	X	20.164	20.164	0	%100
58	M29	Z	11.642	11.642	0	%100
59	M30	X	20.164	20.164	0	%100
60	M30	Z	11.642	11.642	0	%100
61	M31	X	5.041	5.041	0	%100
62	M31	Z	2.91	2.91	0	%100
63	M32	X	5.041	5.041	0	%100
64	M32	Z	2.91	2.91	0	%100
65	M33	X	5.041	5.041	0	%100
66	M33	Z	2.91	2.91	0	%100
67	MP1A	X	7.982	7.982	0	%100
68	MP1A	Z	4.608	4.608	0	%100
69	MP2A	X	7.982	7.982	0	%100
70	MP2A	Z	4.608	4.608	0	%100
71	MP3A	X	7.982	7.982	0	%100
72	MP3A	Z	4.608	4.608	0	%100
73	MP4A	X	7.982	7.982	0	%100
74	MP4A	Z	4.608	4.608	0	%100
75	MP1B	X	7.982	7.982	0	%100
76	MP1B	Z	4.608	4.608	0	%100
77	MP2B	X	7.982	7.982	0	%100
78	MP2B	Z	4.608	4.608	0	%100
79	MP3B	X	7.982	7.982	0	%100
80	MP3B	Z	4.608	4.608	0	%100
81	MP4B	X	7.982	7.982	0	%100
82	MP4B	Z	4.608	4.608	0	%100
83	MP1C	X	7.982	7.982	0	%100
84	MP1C	Z	4.608	4.608	0	%100
85	MP2C	X	7.982	7.982	0	%100
86	MP2C	Z	4.608	4.608	0	%100
87	MP3C	X	7.982	7.982	0	%100
88	MP3C	Z	4.608	4.608	0	%100
89	MP4C	X	7.982	7.982	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.%]
90	MP4C	Z	4.608	4.608	0	%100
91	M70	X	2.416	2.416	0	%100
92	M70	Z	1.395	1.395	0	%100
93	M71	X	9.662	9.662	0	%100
94	M71	Z	5.578	5.578	0	%100
95	M72	X	2.416	2.416	0	%100
96	M72	Z	1.395	1.395	0	%100
97	M97	X	3.098	3.098	0	%100
98	M97	Z	1.789	1.789	0	%100
99	M98	X	12.392	12.392	0	%100
100	M98	Z	7.155	7.155	0	%100
101	M99	X	3.098	3.098	0	%100
102	M99	Z	1.789	1.789	0	%100
103	M95	X	13.669	13.669	0	%100
104	M95	Z	7.892	7.892	0	%100
105	M97A	X	13.669	13.669	0	%100
106	M97A	Z	7.892	7.892	0	%100
107	M99A	X	11.592	11.592	0	%100
108	M99A	Z	6.693	6.693	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	5.093	5.093	0	%100
2	M1	Z	8.822	8.822	0	%100
3	M2	X	5.093	5.093	0	%100
4	M2	Z	8.822	8.822	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.711	1.711	0	%100
8	M4	Z	2.963	2.963	0	%100
9	M5	X	6.843	6.843	0	%100
10	M5	Z	11.852	11.852	0	%100
11	M6	X	1.711	1.711	0	%100
12	M6	Z	2.963	2.963	0	%100
13	M7	X	4.653	4.653	0	%100
14	M7	Z	8.059	8.059	0	%100
15	M8	X	4.653	4.653	0	%100
16	M8	Z	8.059	8.059	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	4.653	4.653	0	%100
22	M11	Z	8.059	8.059	0	%100
23	M12	X	4.653	4.653	0	%100
24	M12	Z	8.059	8.059	0	%100
25	M13	X	6.453	6.453	0	%100
26	M13	Z	11.177	11.177	0	%100
27	M14	X	.000698	.000698	0	%100
28	M14	Z	.001	.001	0	%100
29	M15	X	6.307	6.307	0	%100
30	M15	Z	10.924	10.924	0	%100
31	M16	X	5.256	5.256	0	%100
32	M16	Z	9.103	9.103	0	%100
33	M17	X	.000838	.000838	0	%100
34	M17	Z	.001	.001	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. %]
35	M18	X	5.378	5.378	0	%100
36	M18	Z	9.314	9.314	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	8.731	8.731	0	%100
40	M20	Z	15.123	15.123	0	%100
41	M21	X	8.731	8.731	0	%100
42	M21	Z	15.123	15.123	0	%100
43	M22	X	8.731	8.731	0	%100
44	M22	Z	15.123	15.123	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	8.731	8.731	0	%100
48	M24	Z	15.123	15.123	0	%100
49	M25	X	8.731	8.731	0	%100
50	M25	Z	15.123	15.123	0	%100
51	M26	X	8.731	8.731	0	%100
52	M26	Z	15.123	15.123	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	8.731	8.731	0	%100
58	M29	Z	15.123	15.123	0	%100
59	M30	X	8.731	8.731	0	%100
60	M30	Z	15.123	15.123	0	%100
61	M31	X	8.731	8.731	0	%100
62	M31	Z	15.123	15.123	0	%100
63	M32	X	8.731	8.731	0	%100
64	M32	Z	15.123	15.123	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	4.608	4.608	0	%100
68	MP1A	Z	7.982	7.982	0	%100
69	MP2A	X	4.608	4.608	0	%100
70	MP2A	Z	7.982	7.982	0	%100
71	MP3A	X	4.608	4.608	0	%100
72	MP3A	Z	7.982	7.982	0	%100
73	MP4A	X	4.608	4.608	0	%100
74	MP4A	Z	7.982	7.982	0	%100
75	MP1B	X	4.608	4.608	0	%100
76	MP1B	Z	7.982	7.982	0	%100
77	MP2B	X	4.608	4.608	0	%100
78	MP2B	Z	7.982	7.982	0	%100
79	MP3B	X	4.608	4.608	0	%100
80	MP3B	Z	7.982	7.982	0	%100
81	MP4B	X	4.608	4.608	0	%100
82	MP4B	Z	7.982	7.982	0	%100
83	MP1C	X	4.608	4.608	0	%100
84	MP1C	Z	7.982	7.982	0	%100
85	MP2C	X	4.608	4.608	0	%100
86	MP2C	Z	7.982	7.982	0	%100
87	MP3C	X	4.608	4.608	0	%100
88	MP3C	Z	7.982	7.982	0	%100
89	MP4C	X	4.608	4.608	0	%100
90	MP4C	Z	7.982	7.982	0	%100
91	M70	X	4.184	4.184	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, %]
92	M70	Z	7.247	7.247	0	%100
93	M71	X	4.184	4.184	0	%100
94	M71	Z	7.247	7.247	0	%100
95	M72	X	0	0	0	%100
96	M72	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	5.366	5.366	0	%100
100	M98	Z	9.294	9.294	0	%100
101	M99	X	5.366	5.366	0	%100
102	M99	Z	9.294	9.294	0	%100
103	M95	X	7.093	7.093	0	%100
104	M95	Z	12.285	12.285	0	%100
105	M97A	X	8.291	8.291	0	%100
106	M97A	Z	14.361	14.361	0	%100
107	M99A	X	7.093	7.093	0	%100
108	M99A	Z	12.285	12.285	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	13.582	13.582	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	3.396	3.396	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	3.396	3.396	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	10.264	10.264	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	10.264	10.264	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	12.408	12.408	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	12.408	12.408	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	3.102	3.102	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	3.102	3.102	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	3.102	3.102	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	3.102	3.102	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	4.401	4.401	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	3.667	3.667	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	17.013	17.013	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	3.424	3.424	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	4.108	4.108	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	14.178	14.178	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.%]
37	M19	X	0	0	0	%100
38	M19	Z	5.821	5.821	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	23.284	23.284	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	5.821	5.821	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	5.821	5.821	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	5.821	5.821	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	23.284	23.284	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	23.284	23.284	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	5.821	5.821	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	5.821	5.821	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	5.821	5.821	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	5.821	5.821	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	5.821	5.821	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	23.284	23.284	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	23.284	23.284	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	5.821	5.821	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	9.216	9.216	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	9.216	9.216	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	9.216	9.216	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	9.216	9.216	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	9.216	9.216	0	%100
77	MP2B	X	0	0	0	%100
78	MP2B	Z	9.216	9.216	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	9.216	9.216	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	9.216	9.216	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	9.216	9.216	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	9.216	9.216	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	9.216	9.216	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	9.216	9.216	0	%100
91	M70	X	0	0	0	%100
92	M70	Z	11.157	11.157	0	%100
93	M71	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,.%]
94	M71	Z	2.789	2.789	0	%100
95	M72	X	0	0	0	%100
96	M72	Z	2.789	2.789	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	3.577	3.577	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	3.577	3.577	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	14.309	14.309	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	13.386	13.386	0	%100
105	M97A	X	0	0	0	%100
106	M97A	Z	15.783	15.783	0	%100
107	M99A	X	0	0	0	%100
108	M99A	Z	15.783	15.783	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	-5.093	-5.093	0	%100
2	M1	Z	8.822	8.822	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-5.093	-5.093	0	%100
6	M3	Z	8.822	8.822	0	%100
7	M4	X	-1.711	-1.711	0	%100
8	M4	Z	2.963	2.963	0	%100
9	M5	X	-1.711	-1.711	0	%100
10	M5	Z	2.963	2.963	0	%100
11	M6	X	-6.843	-6.843	0	%100
12	M6	Z	11.852	11.852	0	%100
13	M7	X	-4.653	-4.653	0	%100
14	M7	Z	8.059	8.059	0	%100
15	M8	X	-4.653	-4.653	0	%100
16	M8	Z	8.059	8.059	0	%100
17	M9	X	-4.653	-4.653	0	%100
18	M9	Z	8.059	8.059	0	%100
19	M10	X	-4.653	-4.653	0	%100
20	M10	Z	8.059	8.059	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-.000838	-.000838	0	%100
26	M13	Z	.001	.001	0	%100
27	M14	X	-5.378	-5.378	0	%100
28	M14	Z	9.314	9.314	0	%100
29	M15	X	-6.453	-6.453	0	%100
30	M15	Z	11.177	11.177	0	%100
31	M16	X	-.000698	-.000698	0	%100
32	M16	Z	.001	.001	0	%100
33	M17	X	-6.307	-6.307	0	%100
34	M17	Z	10.924	10.924	0	%100
35	M18	X	-5.256	-5.256	0	%100
36	M18	Z	9.103	9.103	0	%100
37	M19	X	-8.731	-8.731	0	%100
38	M19	Z	15.123	15.123	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, %]
39	M20	X	-8.731	-8.731	0	%100
40	M20	Z	15.123	15.123	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-8.731	-8.731	0	%100
46	M23	Z	15.123	15.123	0	%100
47	M24	X	-8.731	-8.731	0	%100
48	M24	Z	15.123	15.123	0	%100
49	M25	X	-8.731	-8.731	0	%100
50	M25	Z	15.123	15.123	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-8.731	-8.731	0	%100
54	M27	Z	15.123	15.123	0	%100
55	M28	X	-8.731	-8.731	0	%100
56	M28	Z	15.123	15.123	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-8.731	-8.731	0	%100
62	M31	Z	15.123	15.123	0	%100
63	M32	X	-8.731	-8.731	0	%100
64	M32	Z	15.123	15.123	0	%100
65	M33	X	-8.731	-8.731	0	%100
66	M33	Z	15.123	15.123	0	%100
67	MP1A	X	-4.608	-4.608	0	%100
68	MP1A	Z	7.982	7.982	0	%100
69	MP2A	X	-4.608	-4.608	0	%100
70	MP2A	Z	7.982	7.982	0	%100
71	MP3A	X	-4.608	-4.608	0	%100
72	MP3A	Z	7.982	7.982	0	%100
73	MP4A	X	-4.608	-4.608	0	%100
74	MP4A	Z	7.982	7.982	0	%100
75	MP1B	X	-4.608	-4.608	0	%100
76	MP1B	Z	7.982	7.982	0	%100
77	MP2B	X	-4.608	-4.608	0	%100
78	MP2B	Z	7.982	7.982	0	%100
79	MP3B	X	-4.608	-4.608	0	%100
80	MP3B	Z	7.982	7.982	0	%100
81	MP4B	X	-4.608	-4.608	0	%100
82	MP4B	Z	7.982	7.982	0	%100
83	MP1C	X	-4.608	-4.608	0	%100
84	MP1C	Z	7.982	7.982	0	%100
85	MP2C	X	-4.608	-4.608	0	%100
86	MP2C	Z	7.982	7.982	0	%100
87	MP3C	X	-4.608	-4.608	0	%100
88	MP3C	Z	7.982	7.982	0	%100
89	MP4C	X	-4.608	-4.608	0	%100
90	MP4C	Z	7.982	7.982	0	%100
91	M70	X	-4.184	-4.184	0	%100
92	M70	Z	7.247	7.247	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	0	0	0	%100
95	M72	X	-4.184	-4.184	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, %]
96	M72	Z	7.247	7.247	0	%100
97	M97	X	-5.366	-5.366	0	%100
98	M97	Z	9.294	9.294	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M99	X	-5.366	-5.366	0	%100
102	M99	Z	9.294	9.294	0	%100
103	M95	X	-7.093	-7.093	0	%100
104	M95	Z	12.285	12.285	0	%100
105	M97A	X	-7.093	-7.093	0	%100
106	M97A	Z	12.285	12.285	0	%100
107	M99A	X	-8.291	-8.291	0	%100
108	M99A	Z	14.361	14.361	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-2.941	-2.941	0	%100
2	M1	Z	1.698	1.698	0	%100
3	M2	X	-2.941	-2.941	0	%100
4	M2	Z	1.698	1.698	0	%100
5	M3	X	-11.762	-11.762	0	%100
6	M3	Z	6.791	6.791	0	%100
7	M4	X	-8.889	-8.889	0	%100
8	M4	Z	5.132	5.132	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-8.889	-8.889	0	%100
12	M6	Z	5.132	5.132	0	%100
13	M7	X	-2.686	-2.686	0	%100
14	M7	Z	1.551	1.551	0	%100
15	M8	X	-2.686	-2.686	0	%100
16	M8	Z	1.551	1.551	0	%100
17	M9	X	-10.745	-10.745	0	%100
18	M9	Z	6.204	6.204	0	%100
19	M10	X	-10.745	-10.745	0	%100
20	M10	Z	6.204	6.204	0	%100
21	M11	X	-2.686	-2.686	0	%100
22	M11	Z	1.551	1.551	0	%100
23	M12	X	-2.686	-2.686	0	%100
24	M12	Z	1.551	1.551	0	%100
25	M13	X	-3.558	-3.558	0	%100
26	M13	Z	2.054	2.054	0	%100
27	M14	X	-12.278	-12.278	0	%100
28	M14	Z	7.089	7.089	0	%100
29	M15	X	-3.811	-3.811	0	%100
30	M15	Z	2.2	2.2	0	%100
31	M16	X	-3.176	-3.176	0	%100
32	M16	Z	1.834	1.834	0	%100
33	M17	X	-14.734	-14.734	0	%100
34	M17	Z	8.507	8.507	0	%100
35	M18	X	-2.965	-2.965	0	%100
36	M18	Z	1.712	1.712	0	%100
37	M19	X	-20.164	-20.164	0	%100
38	M19	Z	11.642	11.642	0	%100
39	M20	X	-5.041	-5.041	0	%100
40	M20	Z	2.91	2.91	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,....	End Magnitude[lb/ft,F...	Start Location[ft,.%]	End Location[ft,.%]
41	M21	X	-5.041	-5.041	0	%100
42	M21	Z	2.91	2.91	0	%100
43	M22	X	-5.041	-5.041	0	%100
44	M22	Z	2.91	2.91	0	%100
45	M23	X	-20.164	-20.164	0	%100
46	M23	Z	11.642	11.642	0	%100
47	M24	X	-5.041	-5.041	0	%100
48	M24	Z	2.91	2.91	0	%100
49	M25	X	-5.041	-5.041	0	%100
50	M25	Z	2.91	2.91	0	%100
51	M26	X	-5.041	-5.041	0	%100
52	M26	Z	2.91	2.91	0	%100
53	M27	X	-20.164	-20.164	0	%100
54	M27	Z	11.642	11.642	0	%100
55	M28	X	-20.164	-20.164	0	%100
56	M28	Z	11.642	11.642	0	%100
57	M29	X	-5.041	-5.041	0	%100
58	M29	Z	2.91	2.91	0	%100
59	M30	X	-5.041	-5.041	0	%100
60	M30	Z	2.91	2.91	0	%100
61	M31	X	-5.041	-5.041	0	%100
62	M31	Z	2.91	2.91	0	%100
63	M32	X	-5.041	-5.041	0	%100
64	M32	Z	2.91	2.91	0	%100
65	M33	X	-20.164	-20.164	0	%100
66	M33	Z	11.642	11.642	0	%100
67	MP1A	X	-7.982	-7.982	0	%100
68	MP1A	Z	4.608	4.608	0	%100
69	MP2A	X	-7.982	-7.982	0	%100
70	MP2A	Z	4.608	4.608	0	%100
71	MP3A	X	-7.982	-7.982	0	%100
72	MP3A	Z	4.608	4.608	0	%100
73	MP4A	X	-7.982	-7.982	0	%100
74	MP4A	Z	4.608	4.608	0	%100
75	MP1B	X	-7.982	-7.982	0	%100
76	MP1B	Z	4.608	4.608	0	%100
77	MP2B	X	-7.982	-7.982	0	%100
78	MP2B	Z	4.608	4.608	0	%100
79	MP3B	X	-7.982	-7.982	0	%100
80	MP3B	Z	4.608	4.608	0	%100
81	MP4B	X	-7.982	-7.982	0	%100
82	MP4B	Z	4.608	4.608	0	%100
83	MP1C	X	-7.982	-7.982	0	%100
84	MP1C	Z	4.608	4.608	0	%100
85	MP2C	X	-7.982	-7.982	0	%100
86	MP2C	Z	4.608	4.608	0	%100
87	MP3C	X	-7.982	-7.982	0	%100
88	MP3C	Z	4.608	4.608	0	%100
89	MP4C	X	-7.982	-7.982	0	%100
90	MP4C	Z	4.608	4.608	0	%100
91	M70	X	-2.416	-2.416	0	%100
92	M70	Z	1.395	1.395	0	%100
93	M71	X	-2.416	-2.416	0	%100
94	M71	Z	1.395	1.395	0	%100
95	M72	X	-9.662	-9.662	0	%100
96	M72	Z	5.578	5.578	0	%100
97	M97	X	-12.392	-12.392	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.%]
98	M97	Z	7.155	7.155	0	%100
99	M98	X	-3.098	-3.098	0	%100
100	M98	Z	1.789	1.789	0	%100
101	M99	X	-3.098	-3.098	0	%100
102	M99	Z	1.789	1.789	0	%100
103	M95	X	-13.669	-13.669	0	%100
104	M95	Z	7.892	7.892	0	%100
105	M97A	X	-11.592	-11.592	0	%100
106	M97A	Z	6.693	6.693	0	%100
107	M99A	X	-13.669	-13.669	0	%100
108	M99A	Z	7.892	7.892	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	-10.187	-10.187	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-10.187	-10.187	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-13.685	-13.685	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-3.421	-3.421	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-3.421	-3.421	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	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-9.306	-9.306	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-9.306	-9.306	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-9.306	-9.306	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-9.306	-9.306	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-12.614	-12.614	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-10.512	-10.512	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-.002	-.002	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	-10.755	-10.755	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-12.906	-12.906	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-.001	-.001	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	-17.463	-17.463	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	-17.463	-17.463	0	%100
42	M21	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.%]
43	M22	X	-17.463	-17.463	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-17.463	-17.463	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-17.463	-17.463	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-17.463	-17.463	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-17.463	-17.463	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-17.463	-17.463	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	-17.463	-17.463	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-17.463	-17.463	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	-9.216	-9.216	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	-9.216	-9.216	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	-9.216	-9.216	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	-9.216	-9.216	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1B	X	-9.216	-9.216	0	%100
76	MP1B	Z	0	0	0	%100
77	MP2B	X	-9.216	-9.216	0	%100
78	MP2B	Z	0	0	0	%100
79	MP3B	X	-9.216	-9.216	0	%100
80	MP3B	Z	0	0	0	%100
81	MP4B	X	-9.216	-9.216	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1C	X	-9.216	-9.216	0	%100
84	MP1C	Z	0	0	0	%100
85	MP2C	X	-9.216	-9.216	0	%100
86	MP2C	Z	0	0	0	%100
87	MP3C	X	-9.216	-9.216	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-9.216	-9.216	0	%100
90	MP4C	Z	0	0	0	%100
91	M70	X	0	0	0	%100
92	M70	Z	0	0	0	%100
93	M71	X	-8.368	-8.368	0	%100
94	M71	Z	0	0	0	%100
95	M72	X	-8.368	-8.368	0	%100
96	M72	Z	0	0	0	%100
97	M97	X	-10.732	-10.732	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	-10.732	-10.732	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.%]
100	M98	Z	0	0	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	0	0	0	%100
103	M95	X	-16.583	-16.583	0	%100
104	M95	Z	0	0	0	%100
105	M97A	X	-14.185	-14.185	0	%100
106	M97A	Z	0	0	0	%100
107	M99A	X	-14.185	-14.185	0	%100
108	M99A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-2.941	-2.941	0	%100
2	M1	Z	-1.698	-1.698	0	%100
3	M2	X	-11.762	-11.762	0	%100
4	M2	Z	-6.791	-6.791	0	%100
5	M3	X	-2.941	-2.941	0	%100
6	M3	Z	-1.698	-1.698	0	%100
7	M4	X	-8.889	-8.889	0	%100
8	M4	Z	-5.132	-5.132	0	%100
9	M5	X	-8.889	-8.889	0	%100
10	M5	Z	-5.132	-5.132	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-2.686	-2.686	0	%100
14	M7	Z	-1.551	-1.551	0	%100
15	M8	X	-2.686	-2.686	0	%100
16	M8	Z	-1.551	-1.551	0	%100
17	M9	X	-2.686	-2.686	0	%100
18	M9	Z	-1.551	-1.551	0	%100
19	M10	X	-2.686	-2.686	0	%100
20	M10	Z	-1.551	-1.551	0	%100
21	M11	X	-10.745	-10.745	0	%100
22	M11	Z	-6.204	-6.204	0	%100
23	M12	X	-10.745	-10.745	0	%100
24	M12	Z	-6.204	-6.204	0	%100
25	M13	X	-14.734	-14.734	0	%100
26	M13	Z	-8.507	-8.507	0	%100
27	M14	X	-2.965	-2.965	0	%100
28	M14	Z	-1.712	-1.712	0	%100
29	M15	X	-3.558	-3.558	0	%100
30	M15	Z	-2.054	-2.054	0	%100
31	M16	X	-12.278	-12.278	0	%100
32	M16	Z	-7.089	-7.089	0	%100
33	M17	X	-3.811	-3.811	0	%100
34	M17	Z	-2.2	-2.2	0	%100
35	M18	X	-3.176	-3.176	0	%100
36	M18	Z	-1.834	-1.834	0	%100
37	M19	X	-5.041	-5.041	0	%100
38	M19	Z	-2.91	-2.91	0	%100
39	M20	X	-5.041	-5.041	0	%100
40	M20	Z	-2.91	-2.91	0	%100
41	M21	X	-20.164	-20.164	0	%100
42	M21	Z	-11.642	-11.642	0	%100
43	M22	X	-20.164	-20.164	0	%100
44	M22	Z	-11.642	-11.642	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,.%]
45	M23	X	-5.041	-5.041	0	%100
46	M23	Z	-2.91	-2.91	0	%100
47	M24	X	-5.041	-5.041	0	%100
48	M24	Z	-2.91	-2.91	0	%100
49	M25	X	-5.041	-5.041	0	%100
50	M25	Z	-2.91	-2.91	0	%100
51	M26	X	-20.164	-20.164	0	%100
52	M26	Z	-11.642	-11.642	0	%100
53	M27	X	-5.041	-5.041	0	%100
54	M27	Z	-2.91	-2.91	0	%100
55	M28	X	-5.041	-5.041	0	%100
56	M28	Z	-2.91	-2.91	0	%100
57	M29	X	-20.164	-20.164	0	%100
58	M29	Z	-11.642	-11.642	0	%100
59	M30	X	-20.164	-20.164	0	%100
60	M30	Z	-11.642	-11.642	0	%100
61	M31	X	-5.041	-5.041	0	%100
62	M31	Z	-2.91	-2.91	0	%100
63	M32	X	-5.041	-5.041	0	%100
64	M32	Z	-2.91	-2.91	0	%100
65	M33	X	-5.041	-5.041	0	%100
66	M33	Z	-2.91	-2.91	0	%100
67	MP1A	X	-7.982	-7.982	0	%100
68	MP1A	Z	-4.608	-4.608	0	%100
69	MP2A	X	-7.982	-7.982	0	%100
70	MP2A	Z	-4.608	-4.608	0	%100
71	MP3A	X	-7.982	-7.982	0	%100
72	MP3A	Z	-4.608	-4.608	0	%100
73	MP4A	X	-7.982	-7.982	0	%100
74	MP4A	Z	-4.608	-4.608	0	%100
75	MP1B	X	-7.982	-7.982	0	%100
76	MP1B	Z	-4.608	-4.608	0	%100
77	MP2B	X	-7.982	-7.982	0	%100
78	MP2B	Z	-4.608	-4.608	0	%100
79	MP3B	X	-7.982	-7.982	0	%100
80	MP3B	Z	-4.608	-4.608	0	%100
81	MP4B	X	-7.982	-7.982	0	%100
82	MP4B	Z	-4.608	-4.608	0	%100
83	MP1C	X	-7.982	-7.982	0	%100
84	MP1C	Z	-4.608	-4.608	0	%100
85	MP2C	X	-7.982	-7.982	0	%100
86	MP2C	Z	-4.608	-4.608	0	%100
87	MP3C	X	-7.982	-7.982	0	%100
88	MP3C	Z	-4.608	-4.608	0	%100
89	MP4C	X	-7.982	-7.982	0	%100
90	MP4C	Z	-4.608	-4.608	0	%100
91	M70	X	-2.416	-2.416	0	%100
92	M70	Z	-1.395	-1.395	0	%100
93	M71	X	-9.662	-9.662	0	%100
94	M71	Z	-5.578	-5.578	0	%100
95	M72	X	-2.416	-2.416	0	%100
96	M72	Z	-1.395	-1.395	0	%100
97	M97	X	-3.098	-3.098	0	%100
98	M97	Z	-1.789	-1.789	0	%100
99	M98	X	-12.392	-12.392	0	%100
100	M98	Z	-7.155	-7.155	0	%100
101	M99	X	-3.098	-3.098	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, %]
102	M99	Z	-1.789	-1.789	0	%100
103	M95	X	-13.669	-13.669	0	%100
104	M95	Z	-7.892	-7.892	0	%100
105	M97A	X	-13.669	-13.669	0	%100
106	M97A	Z	-7.892	-7.892	0	%100
107	M99A	X	-11.592	-11.592	0	%100
108	M99A	Z	-6.693	-6.693	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	-5.093	-5.093	0	%100
2	M1	Z	-8.822	-8.822	0	%100
3	M2	X	-5.093	-5.093	0	%100
4	M2	Z	-8.822	-8.822	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.711	-1.711	0	%100
8	M4	Z	-2.963	-2.963	0	%100
9	M5	X	-6.843	-6.843	0	%100
10	M5	Z	-11.852	-11.852	0	%100
11	M6	X	-1.711	-1.711	0	%100
12	M6	Z	-2.963	-2.963	0	%100
13	M7	X	-4.653	-4.653	0	%100
14	M7	Z	-8.059	-8.059	0	%100
15	M8	X	-4.653	-4.653	0	%100
16	M8	Z	-8.059	-8.059	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-4.653	-4.653	0	%100
22	M11	Z	-8.059	-8.059	0	%100
23	M12	X	-4.653	-4.653	0	%100
24	M12	Z	-8.059	-8.059	0	%100
25	M13	X	-6.453	-6.453	0	%100
26	M13	Z	-11.177	-11.177	0	%100
27	M14	X	-0.00698	-0.00698	0	%100
28	M14	Z	-0.001	-0.001	0	%100
29	M15	X	-6.307	-6.307	0	%100
30	M15	Z	-10.924	-10.924	0	%100
31	M16	X	-5.256	-5.256	0	%100
32	M16	Z	-9.103	-9.103	0	%100
33	M17	X	-0.00838	-0.00838	0	%100
34	M17	Z	-0.001	-0.001	0	%100
35	M18	X	-5.378	-5.378	0	%100
36	M18	Z	-9.314	-9.314	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-8.731	-8.731	0	%100
40	M20	Z	-15.123	-15.123	0	%100
41	M21	X	-8.731	-8.731	0	%100
42	M21	Z	-15.123	-15.123	0	%100
43	M22	X	-8.731	-8.731	0	%100
44	M22	Z	-15.123	-15.123	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft, F, ...]	End Magnitude[lb/ft, F, ...]	Start Location[ft, %]	End Location[ft, %]
47	M24	X	-8.731	-8.731	0	%100
48	M24	Z	-15.123	-15.123	0	%100
49	M25	X	-8.731	-8.731	0	%100
50	M25	Z	-15.123	-15.123	0	%100
51	M26	X	-8.731	-8.731	0	%100
52	M26	Z	-15.123	-15.123	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-8.731	-8.731	0	%100
58	M29	Z	-15.123	-15.123	0	%100
59	M30	X	-8.731	-8.731	0	%100
60	M30	Z	-15.123	-15.123	0	%100
61	M31	X	-8.731	-8.731	0	%100
62	M31	Z	-15.123	-15.123	0	%100
63	M32	X	-8.731	-8.731	0	%100
64	M32	Z	-15.123	-15.123	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	-4.608	-4.608	0	%100
68	MP1A	Z	-7.982	-7.982	0	%100
69	MP2A	X	-4.608	-4.608	0	%100
70	MP2A	Z	-7.982	-7.982	0	%100
71	MP3A	X	-4.608	-4.608	0	%100
72	MP3A	Z	-7.982	-7.982	0	%100
73	MP4A	X	-4.608	-4.608	0	%100
74	MP4A	Z	-7.982	-7.982	0	%100
75	MP1B	X	-4.608	-4.608	0	%100
76	MP1B	Z	-7.982	-7.982	0	%100
77	MP2B	X	-4.608	-4.608	0	%100
78	MP2B	Z	-7.982	-7.982	0	%100
79	MP3B	X	-4.608	-4.608	0	%100
80	MP3B	Z	-7.982	-7.982	0	%100
81	MP4B	X	-4.608	-4.608	0	%100
82	MP4B	Z	-7.982	-7.982	0	%100
83	MP1C	X	-4.608	-4.608	0	%100
84	MP1C	Z	-7.982	-7.982	0	%100
85	MP2C	X	-4.608	-4.608	0	%100
86	MP2C	Z	-7.982	-7.982	0	%100
87	MP3C	X	-4.608	-4.608	0	%100
88	MP3C	Z	-7.982	-7.982	0	%100
89	MP4C	X	-4.608	-4.608	0	%100
90	MP4C	Z	-7.982	-7.982	0	%100
91	M70	X	-4.184	-4.184	0	%100
92	M70	Z	-7.247	-7.247	0	%100
93	M71	X	-4.184	-4.184	0	%100
94	M71	Z	-7.247	-7.247	0	%100
95	M72	X	0	0	0	%100
96	M72	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	-5.366	-5.366	0	%100
100	M98	Z	-9.294	-9.294	0	%100
101	M99	X	-5.366	-5.366	0	%100
102	M99	Z	-9.294	-9.294	0	%100
103	M95	X	-7.093	-7.093	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.%,]
104	M95	Z	-12.285	-12.285	0	%100
105	M97A	X	-8.291	-8.291	0	%100
106	M97A	Z	-14.361	-14.361	0	%100
107	M99A	X	-7.093	-7.093	0	%100
108	M99A	Z	-12.285	-12.285	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	-4.994	-4.994	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-1.248	-1.248	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.248	-1.248	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-3.508	-3.508	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-3.508	-3.508	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-4.074	-4.074	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-4.074	-4.074	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-1.019	-1.019	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-1.019	-1.019	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-1.019	-1.019	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-1.019	-1.019	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-1.343	-1.343	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-1.207	-1.207	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-5.193	-5.193	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	-1.127	-1.127	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	-1.254	-1.254	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	-4.666	-4.666	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-1.442	-1.442	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-5.823	-5.823	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-1.442	-1.442	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	-1.442	-1.442	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	-1.456	-1.456	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	-5.767	-5.767	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.%,]
49	M25	X	0	0	0	%100
50	M25	Z	-5.767	-5.767	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-1.456	-1.456	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-1.442	-1.442	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-1.442	-1.442	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	-1.442	-1.442	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	-1.442	-1.442	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	-5.767	-5.767	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	-5.767	-5.767	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	-1.442	-1.442	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	-4	-4	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	-4	-4	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	-4	-4	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	-4	-4	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	-4	-4	0	%100
77	MP2B	X	0	0	0	%100
78	MP2B	Z	-4	-4	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	-4	-4	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	-4	-4	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	-4	-4	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	-4	-4	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-4	-4	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-4	-4	0	%100
91	M70	X	0	0	0	%100
92	M70	Z	-4.543	-4.543	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	-1.136	-1.136	0	%100
95	M72	X	0	0	0	%100
96	M72	Z	-1.136	-1.136	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	-1.089	-1.089	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	-1.089	-1.089	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	-4.356	-4.356	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	-3.39	-3.39	0	%100
105	M97A	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, %]
106	M97A	Z	-4.642	-4.642	0	%100
107	M99A	X	0	0	0	%100
108	M99A	Z	-4.642	-4.642	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.873	1.873	0	%100
2	M1	Z	-3.243	-3.243	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	1.873	1.873	0	%100
6	M3	Z	-3.243	-3.243	0	%100
7	M4	X	.585	.585	0	%100
8	M4	Z	-1.013	-1.013	0	%100
9	M5	X	.585	.585	0	%100
10	M5	Z	-1.013	-1.013	0	%100
11	M6	X	2.338	2.338	0	%100
12	M6	Z	-4.05	-4.05	0	%100
13	M7	X	1.528	1.528	0	%100
14	M7	Z	-2.646	-2.646	0	%100
15	M8	X	1.528	1.528	0	%100
16	M8	Z	-2.646	-2.646	0	%100
17	M9	X	1.528	1.528	0	%100
18	M9	Z	-2.646	-2.646	0	%100
19	M10	X	1.528	1.528	0	%100
20	M10	Z	-2.646	-2.646	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	.000256	.000256	0	%100
26	M13	Z	-.000443	-.000443	0	%100
27	M14	X	1.77	1.77	0	%100
28	M14	Z	-3.065	-3.065	0	%100
29	M15	X	1.97	1.97	0	%100
30	M15	Z	-3.412	-3.412	0	%100
31	M16	X	.00023	.00023	0	%100
32	M16	Z	-.000398	-.000398	0	%100
33	M17	X	1.925	1.925	0	%100
34	M17	Z	-3.334	-3.334	0	%100
35	M18	X	1.73	1.73	0	%100
36	M18	Z	-2.996	-2.996	0	%100
37	M19	X	2.163	2.163	0	%100
38	M19	Z	-3.746	-3.746	0	%100
39	M20	X	2.183	2.183	0	%100
40	M20	Z	-3.782	-3.782	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	2.183	2.183	0	%100
46	M23	Z	-3.782	-3.782	0	%100
47	M24	X	2.163	2.163	0	%100
48	M24	Z	-3.746	-3.746	0	%100
49	M25	X	2.163	2.163	0	%100
50	M25	Z	-3.746	-3.746	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.%,]
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	2.163	2.163	0	%100
54	M27	Z	-3.746	-3.746	0	%100
55	M28	X	2.163	2.163	0	%100
56	M28	Z	-3.746	-3.746	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	2.163	2.163	0	%100
62	M31	Z	-3.746	-3.746	0	%100
63	M32	X	2.163	2.163	0	%100
64	M32	Z	-3.746	-3.746	0	%100
65	M33	X	2.163	2.163	0	%100
66	M33	Z	-3.746	-3.746	0	%100
67	MP1A	X	2	2	0	%100
68	MP1A	Z	-3.464	-3.464	0	%100
69	MP2A	X	2	2	0	%100
70	MP2A	Z	-3.464	-3.464	0	%100
71	MP3A	X	2	2	0	%100
72	MP3A	Z	-3.464	-3.464	0	%100
73	MP4A	X	2	2	0	%100
74	MP4A	Z	-3.464	-3.464	0	%100
75	MP1B	X	2	2	0	%100
76	MP1B	Z	-3.464	-3.464	0	%100
77	MP2B	X	2	2	0	%100
78	MP2B	Z	-3.464	-3.464	0	%100
79	MP3B	X	2	2	0	%100
80	MP3B	Z	-3.464	-3.464	0	%100
81	MP4B	X	2	2	0	%100
82	MP4B	Z	-3.464	-3.464	0	%100
83	MP1C	X	2	2	0	%100
84	MP1C	Z	-3.464	-3.464	0	%100
85	MP2C	X	2	2	0	%100
86	MP2C	Z	-3.464	-3.464	0	%100
87	MP3C	X	2	2	0	%100
88	MP3C	Z	-3.464	-3.464	0	%100
89	MP4C	X	2	2	0	%100
90	MP4C	Z	-3.464	-3.464	0	%100
91	M70	X	1.704	1.704	0	%100
92	M70	Z	-2.951	-2.951	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	0	0	0	%100
95	M72	X	1.704	1.704	0	%100
96	M72	Z	-2.951	-2.951	0	%100
97	M97	X	1.633	1.633	0	%100
98	M97	Z	-2.829	-2.829	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M99	X	1.633	1.633	0	%100
102	M99	Z	-2.829	-2.829	0	%100
103	M95	X	1.904	1.904	0	%100
104	M95	Z	-3.298	-3.298	0	%100
105	M97A	X	1.904	1.904	0	%100
106	M97A	Z	-3.298	-3.298	0	%100
107	M99A	X	2.53	2.53	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.%]
108	M99A	Z	-4.382	-4.382	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	1.081	1.081	0	%100
2	M1	Z	-624	-624	0	%100
3	M2	X	1.081	1.081	0	%100
4	M2	Z	-624	-624	0	%100
5	M3	X	4.324	4.324	0	%100
6	M3	Z	-2.497	-2.497	0	%100
7	M4	X	3.038	3.038	0	%100
8	M4	Z	-1.754	-1.754	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	3.038	3.038	0	%100
12	M6	Z	-1.754	-1.754	0	%100
13	M7	X	.882	.882	0	%100
14	M7	Z	-.509	-.509	0	%100
15	M8	X	.882	.882	0	%100
16	M8	Z	-.509	-.509	0	%100
17	M9	X	3.528	3.528	0	%100
18	M9	Z	-2.037	-2.037	0	%100
19	M10	X	3.528	3.528	0	%100
20	M10	Z	-2.037	-2.037	0	%100
21	M11	X	.882	.882	0	%100
22	M11	Z	-.509	-.509	0	%100
23	M12	X	.882	.882	0	%100
24	M12	Z	-.509	-.509	0	%100
25	M13	X	1.086	1.086	0	%100
26	M13	Z	-.627	-.627	0	%100
27	M14	X	4.041	4.041	0	%100
28	M14	Z	-2.333	-2.333	0	%100
29	M15	X	1.163	1.163	0	%100
30	M15	Z	-.672	-.672	0	%100
31	M16	X	1.045	1.045	0	%100
32	M16	Z	-.603	-.603	0	%100
33	M17	X	4.497	4.497	0	%100
34	M17	Z	-2.596	-2.596	0	%100
35	M18	X	.976	.976	0	%100
36	M18	Z	-.563	-.563	0	%100
37	M19	X	4.994	4.994	0	%100
38	M19	Z	-2.883	-2.883	0	%100
39	M20	X	1.261	1.261	0	%100
40	M20	Z	-.728	-.728	0	%100
41	M21	X	1.249	1.249	0	%100
42	M21	Z	-.721	-.721	0	%100
43	M22	X	1.249	1.249	0	%100
44	M22	Z	-.721	-.721	0	%100
45	M23	X	5.043	5.043	0	%100
46	M23	Z	-2.911	-2.911	0	%100
47	M24	X	1.249	1.249	0	%100
48	M24	Z	-.721	-.721	0	%100
49	M25	X	1.249	1.249	0	%100
50	M25	Z	-.721	-.721	0	%100
51	M26	X	1.261	1.261	0	%100
52	M26	Z	-.728	-.728	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. %]
53	M27	X	4.994	4.994	0	%100
54	M27	Z	-2.883	-2.883	0	%100
55	M28	X	4.994	4.994	0	%100
56	M28	Z	-2.883	-2.883	0	%100
57	M29	X	1.249	1.249	0	%100
58	M29	Z	-.721	-.721	0	%100
59	M30	X	1.249	1.249	0	%100
60	M30	Z	-.721	-.721	0	%100
61	M31	X	1.249	1.249	0	%100
62	M31	Z	-.721	-.721	0	%100
63	M32	X	1.249	1.249	0	%100
64	M32	Z	-.721	-.721	0	%100
65	M33	X	4.994	4.994	0	%100
66	M33	Z	-2.883	-2.883	0	%100
67	MP1A	X	3.464	3.464	0	%100
68	MP1A	Z	-2	-2	0	%100
69	MP2A	X	3.464	3.464	0	%100
70	MP2A	Z	-2	-2	0	%100
71	MP3A	X	3.464	3.464	0	%100
72	MP3A	Z	-2	-2	0	%100
73	MP4A	X	3.464	3.464	0	%100
74	MP4A	Z	-2	-2	0	%100
75	MP1B	X	3.464	3.464	0	%100
76	MP1B	Z	-2	-2	0	%100
77	MP2B	X	3.464	3.464	0	%100
78	MP2B	Z	-2	-2	0	%100
79	MP3B	X	3.464	3.464	0	%100
80	MP3B	Z	-2	-2	0	%100
81	MP4B	X	3.464	3.464	0	%100
82	MP4B	Z	-2	-2	0	%100
83	MP1C	X	3.464	3.464	0	%100
84	MP1C	Z	-2	-2	0	%100
85	MP2C	X	3.464	3.464	0	%100
86	MP2C	Z	-2	-2	0	%100
87	MP3C	X	3.464	3.464	0	%100
88	MP3C	Z	-2	-2	0	%100
89	MP4C	X	3.464	3.464	0	%100
90	MP4C	Z	-2	-2	0	%100
91	M70	X	.984	.984	0	%100
92	M70	Z	-.568	-.568	0	%100
93	M71	X	.984	.984	0	%100
94	M71	Z	-.568	-.568	0	%100
95	M72	X	3.934	3.934	0	%100
96	M72	Z	-2.271	-2.271	0	%100
97	M97	X	3.772	3.772	0	%100
98	M97	Z	-2.178	-2.178	0	%100
99	M98	X	.943	.943	0	%100
100	M98	Z	-.544	-.544	0	%100
101	M99	X	.943	.943	0	%100
102	M99	Z	-.544	-.544	0	%100
103	M95	X	4.02	4.02	0	%100
104	M95	Z	-2.321	-2.321	0	%100
105	M97A	X	2.936	2.936	0	%100
106	M97A	Z	-1.695	-1.695	0	%100
107	M99A	X	4.02	4.02	0	%100
108	M99A	Z	-2.321	-2.321	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	3.745	3.745	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	3.745	3.745	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	4.677	4.677	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	1.169	1.169	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	1.169	1.169	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	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	3.056	3.056	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	3.056	3.056	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	3.056	3.056	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	3.056	3.056	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	3.85	3.85	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	3.459	3.459	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	.000511	.000511	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	3.54	3.54	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	3.939	3.939	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	.00046	.00046	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	4.325	4.325	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	4.325	4.325	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	4.325	4.325	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	4.367	4.367	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	4.367	4.367	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	4.325	4.325	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	4.325	4.325	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	4.325	4.325	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft, %]	End Location[ft, %]
58	M29	Z	0	0	0	%100
59	M30	X	4.325	4.325	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	4.325	4.325	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	4	4	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	4	4	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	4	4	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	4	4	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1B	X	4	4	0	%100
76	MP1B	Z	0	0	0	%100
77	MP2B	X	4	4	0	%100
78	MP2B	Z	0	0	0	%100
79	MP3B	X	4	4	0	%100
80	MP3B	Z	0	0	0	%100
81	MP4B	X	4	4	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1C	X	4	4	0	%100
84	MP1C	Z	0	0	0	%100
85	MP2C	X	4	4	0	%100
86	MP2C	Z	0	0	0	%100
87	MP3C	X	4	4	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	4	4	0	%100
90	MP4C	Z	0	0	0	%100
91	M70	X	0	0	0	%100
92	M70	Z	0	0	0	%100
93	M71	X	3.407	3.407	0	%100
94	M71	Z	0	0	0	%100
95	M72	X	3.407	3.407	0	%100
96	M72	Z	0	0	0	%100
97	M97	X	3.267	3.267	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	3.267	3.267	0	%100
100	M98	Z	0	0	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	0	0	0	%100
103	M95	X	5.059	5.059	0	%100
104	M95	Z	0	0	0	%100
105	M97A	X	3.808	3.808	0	%100
106	M97A	Z	0	0	0	%100
107	M99A	X	3.808	3.808	0	%100
108	M99A	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	1.081	1.081	0	%100
2	M1	Z	.624	.624	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, %]
3	M2	X	4.324	4.324	0	%100
4	M2	Z	2.497	2.497	0	%100
5	M3	X	1.081	1.081	0	%100
6	M3	Z	.624	.624	0	%100
7	M4	X	3.038	3.038	0	%100
8	M4	Z	1.754	1.754	0	%100
9	M5	X	3.038	3.038	0	%100
10	M5	Z	1.754	1.754	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	.882	.882	0	%100
14	M7	Z	.509	.509	0	%100
15	M8	X	.882	.882	0	%100
16	M8	Z	.509	.509	0	%100
17	M9	X	.882	.882	0	%100
18	M9	Z	.509	.509	0	%100
19	M10	X	.882	.882	0	%100
20	M10	Z	.509	.509	0	%100
21	M11	X	3.528	3.528	0	%100
22	M11	Z	2.037	2.037	0	%100
23	M12	X	3.528	3.528	0	%100
24	M12	Z	2.037	2.037	0	%100
25	M13	X	4.497	4.497	0	%100
26	M13	Z	2.596	2.596	0	%100
27	M14	X	.976	.976	0	%100
28	M14	Z	.563	.563	0	%100
29	M15	X	1.086	1.086	0	%100
30	M15	Z	.627	.627	0	%100
31	M16	X	4.041	4.041	0	%100
32	M16	Z	2.333	2.333	0	%100
33	M17	X	1.163	1.163	0	%100
34	M17	Z	.672	.672	0	%100
35	M18	X	1.045	1.045	0	%100
36	M18	Z	.603	.603	0	%100
37	M19	X	1.249	1.249	0	%100
38	M19	Z	.721	.721	0	%100
39	M20	X	1.261	1.261	0	%100
40	M20	Z	.728	.728	0	%100
41	M21	X	4.994	4.994	0	%100
42	M21	Z	2.883	2.883	0	%100
43	M22	X	4.994	4.994	0	%100
44	M22	Z	2.883	2.883	0	%100
45	M23	X	1.261	1.261	0	%100
46	M23	Z	.728	.728	0	%100
47	M24	X	1.249	1.249	0	%100
48	M24	Z	.721	.721	0	%100
49	M25	X	1.249	1.249	0	%100
50	M25	Z	.721	.721	0	%100
51	M26	X	5.043	5.043	0	%100
52	M26	Z	2.911	2.911	0	%100
53	M27	X	1.249	1.249	0	%100
54	M27	Z	.721	.721	0	%100
55	M28	X	1.249	1.249	0	%100
56	M28	Z	.721	.721	0	%100
57	M29	X	4.994	4.994	0	%100
58	M29	Z	2.883	2.883	0	%100
59	M30	X	4.994	4.994	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.%]
60	M30	Z	2.883	2.883	0	%100
61	M31	X	1.249	1.249	0	%100
62	M31	Z	.721	.721	0	%100
63	M32	X	1.249	1.249	0	%100
64	M32	Z	.721	.721	0	%100
65	M33	X	1.249	1.249	0	%100
66	M33	Z	.721	.721	0	%100
67	MP1A	X	3.464	3.464	0	%100
68	MP1A	Z	2	2	0	%100
69	MP2A	X	3.464	3.464	0	%100
70	MP2A	Z	2	2	0	%100
71	MP3A	X	3.464	3.464	0	%100
72	MP3A	Z	2	2	0	%100
73	MP4A	X	3.464	3.464	0	%100
74	MP4A	Z	2	2	0	%100
75	MP1B	X	3.464	3.464	0	%100
76	MP1B	Z	2	2	0	%100
77	MP2B	X	3.464	3.464	0	%100
78	MP2B	Z	2	2	0	%100
79	MP3B	X	3.464	3.464	0	%100
80	MP3B	Z	2	2	0	%100
81	MP4B	X	3.464	3.464	0	%100
82	MP4B	Z	2	2	0	%100
83	MP1C	X	3.464	3.464	0	%100
84	MP1C	Z	2	2	0	%100
85	MP2C	X	3.464	3.464	0	%100
86	MP2C	Z	2	2	0	%100
87	MP3C	X	3.464	3.464	0	%100
88	MP3C	Z	2	2	0	%100
89	MP4C	X	3.464	3.464	0	%100
90	MP4C	Z	2	2	0	%100
91	M70	X	.984	.984	0	%100
92	M70	Z	.568	.568	0	%100
93	M71	X	3.934	3.934	0	%100
94	M71	Z	2.271	2.271	0	%100
95	M72	X	.984	.984	0	%100
96	M72	Z	.568	.568	0	%100
97	M97	X	.943	.943	0	%100
98	M97	Z	.544	.544	0	%100
99	M98	X	3.772	3.772	0	%100
100	M98	Z	2.178	2.178	0	%100
101	M99	X	.943	.943	0	%100
102	M99	Z	.544	.544	0	%100
103	M95	X	4.02	4.02	0	%100
104	M95	Z	2.321	2.321	0	%100
105	M97A	X	4.02	4.02	0	%100
106	M97A	Z	2.321	2.321	0	%100
107	M99A	X	2.936	2.936	0	%100
108	M99A	Z	1.695	1.695	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.873	1.873	0	%100
2	M1	Z	3.243	3.243	0	%100
3	M2	X	1.873	1.873	0	%100
4	M2	Z	3.243	3.243	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. %]
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.585	.585	0	%100
8	M4	Z	1.013	1.013	0	%100
9	M5	X	2.338	2.338	0	%100
10	M5	Z	4.05	4.05	0	%100
11	M6	X	.585	.585	0	%100
12	M6	Z	1.013	1.013	0	%100
13	M7	X	1.528	1.528	0	%100
14	M7	Z	2.646	2.646	0	%100
15	M8	X	1.528	1.528	0	%100
16	M8	Z	2.646	2.646	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	1.528	1.528	0	%100
22	M11	Z	2.646	2.646	0	%100
23	M12	X	1.528	1.528	0	%100
24	M12	Z	2.646	2.646	0	%100
25	M13	X	1.97	1.97	0	%100
26	M13	Z	3.412	3.412	0	%100
27	M14	X	.00023	.00023	0	%100
28	M14	Z	.000398	.000398	0	%100
29	M15	X	1.925	1.925	0	%100
30	M15	Z	3.334	3.334	0	%100
31	M16	X	1.73	1.73	0	%100
32	M16	Z	2.996	2.996	0	%100
33	M17	X	.000256	.000256	0	%100
34	M17	Z	.000443	.000443	0	%100
35	M18	X	1.77	1.77	0	%100
36	M18	Z	3.065	3.065	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	2.183	2.183	0	%100
40	M20	Z	3.782	3.782	0	%100
41	M21	X	2.163	2.163	0	%100
42	M21	Z	3.746	3.746	0	%100
43	M22	X	2.163	2.163	0	%100
44	M22	Z	3.746	3.746	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	2.163	2.163	0	%100
48	M24	Z	3.746	3.746	0	%100
49	M25	X	2.163	2.163	0	%100
50	M25	Z	3.746	3.746	0	%100
51	M26	X	2.183	2.183	0	%100
52	M26	Z	3.782	3.782	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	2.163	2.163	0	%100
58	M29	Z	3.746	3.746	0	%100
59	M30	X	2.163	2.163	0	%100
60	M30	Z	3.746	3.746	0	%100
61	M31	X	2.163	2.163	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, %]
62	M31	Z	3.746	3.746	0	%100
63	M32	X	2.163	2.163	0	%100
64	M32	Z	3.746	3.746	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	2	2	0	%100
68	MP1A	Z	3.464	3.464	0	%100
69	MP2A	X	2	2	0	%100
70	MP2A	Z	3.464	3.464	0	%100
71	MP3A	X	2	2	0	%100
72	MP3A	Z	3.464	3.464	0	%100
73	MP4A	X	2	2	0	%100
74	MP4A	Z	3.464	3.464	0	%100
75	MP1B	X	2	2	0	%100
76	MP1B	Z	3.464	3.464	0	%100
77	MP2B	X	2	2	0	%100
78	MP2B	Z	3.464	3.464	0	%100
79	MP3B	X	2	2	0	%100
80	MP3B	Z	3.464	3.464	0	%100
81	MP4B	X	2	2	0	%100
82	MP4B	Z	3.464	3.464	0	%100
83	MP1C	X	2	2	0	%100
84	MP1C	Z	3.464	3.464	0	%100
85	MP2C	X	2	2	0	%100
86	MP2C	Z	3.464	3.464	0	%100
87	MP3C	X	2	2	0	%100
88	MP3C	Z	3.464	3.464	0	%100
89	MP4C	X	2	2	0	%100
90	MP4C	Z	3.464	3.464	0	%100
91	M70	X	1.704	1.704	0	%100
92	M70	Z	2.951	2.951	0	%100
93	M71	X	1.704	1.704	0	%100
94	M71	Z	2.951	2.951	0	%100
95	M72	X	0	0	0	%100
96	M72	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	1.633	1.633	0	%100
100	M98	Z	2.829	2.829	0	%100
101	M99	X	1.633	1.633	0	%100
102	M99	Z	2.829	2.829	0	%100
103	M95	X	1.904	1.904	0	%100
104	M95	Z	3.298	3.298	0	%100
105	M97A	X	2.53	2.53	0	%100
106	M97A	Z	4.382	4.382	0	%100
107	M99A	X	1.904	1.904	0	%100
108	M99A	Z	3.298	3.298	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	4.994	4.994	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	1.248	1.248	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	1.248	1.248	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. %]
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	3.508	3.508	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	3.508	3.508	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	4.074	4.074	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	4.074	4.074	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	1.019	1.019	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	1.019	1.019	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	1.019	1.019	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	1.019	1.019	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	1.343	1.343	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	1.207	1.207	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	5.193	5.193	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	1.127	1.127	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	1.254	1.254	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	4.666	4.666	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	1.442	1.442	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	5.823	5.823	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	1.442	1.442	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	1.442	1.442	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	1.456	1.456	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	5.767	5.767	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	5.767	5.767	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	1.456	1.456	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	1.442	1.442	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	1.442	1.442	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	1.442	1.442	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	1.442	1.442	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	5.767	5.767	0	%100
63	M32	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.%]
64	M32	Z	5.767	5.767	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	1.442	1.442	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	4	4	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	4	4	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	4	4	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	4	4	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	4	4	0	%100
77	MP2B	X	0	0	0	%100
78	MP2B	Z	4	4	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	4	4	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	4	4	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	4	4	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	4	4	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	4	4	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	4	4	0	%100
91	M70	X	0	0	0	%100
92	M70	Z	4.543	4.543	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	1.136	1.136	0	%100
95	M72	X	0	0	0	%100
96	M72	Z	1.136	1.136	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	1.089	1.089	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	1.089	1.089	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	4.356	4.356	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	3.39	3.39	0	%100
105	M97A	X	0	0	0	%100
106	M97A	Z	4.642	4.642	0	%100
107	M99A	X	0	0	0	%100
108	M99A	Z	4.642	4.642	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-1.873	-1.873	0	%100
2	M1	Z	3.243	3.243	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-1.873	-1.873	0	%100
6	M3	Z	3.243	3.243	0	%100
7	M4	X	-5.85	-5.85	0	%100
8	M4	Z	1.013	1.013	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. %]
9	M5	X	- .585	- .585	0	%100
10	M5	Z	1.013	1.013	0	%100
11	M6	X	-2.338	-2.338	0	%100
12	M6	Z	4.05	4.05	0	%100
13	M7	X	-1.528	-1.528	0	%100
14	M7	Z	2.646	2.646	0	%100
15	M8	X	-1.528	-1.528	0	%100
16	M8	Z	2.646	2.646	0	%100
17	M9	X	-1.528	-1.528	0	%100
18	M9	Z	2.646	2.646	0	%100
19	M10	X	-1.528	-1.528	0	%100
20	M10	Z	2.646	2.646	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	- .000256	- .000256	0	%100
26	M13	Z	.000443	.000443	0	%100
27	M14	X	-1.77	-1.77	0	%100
28	M14	Z	3.065	3.065	0	%100
29	M15	X	-1.97	-1.97	0	%100
30	M15	Z	3.412	3.412	0	%100
31	M16	X	- .00023	- .00023	0	%100
32	M16	Z	.000398	.000398	0	%100
33	M17	X	-1.925	-1.925	0	%100
34	M17	Z	3.334	3.334	0	%100
35	M18	X	-1.73	-1.73	0	%100
36	M18	Z	2.996	2.996	0	%100
37	M19	X	-2.163	-2.163	0	%100
38	M19	Z	3.746	3.746	0	%100
39	M20	X	-2.183	-2.183	0	%100
40	M20	Z	3.782	3.782	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-2.183	-2.183	0	%100
46	M23	Z	3.782	3.782	0	%100
47	M24	X	-2.163	-2.163	0	%100
48	M24	Z	3.746	3.746	0	%100
49	M25	X	-2.163	-2.163	0	%100
50	M25	Z	3.746	3.746	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-2.163	-2.163	0	%100
54	M27	Z	3.746	3.746	0	%100
55	M28	X	-2.163	-2.163	0	%100
56	M28	Z	3.746	3.746	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-2.163	-2.163	0	%100
62	M31	Z	3.746	3.746	0	%100
63	M32	X	-2.163	-2.163	0	%100
64	M32	Z	3.746	3.746	0	%100
65	M33	X	-2.163	-2.163	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, %]
66	M33	Z	3.746	3.746	0	%100
67	MP1A	X	-2	-2	0	%100
68	MP1A	Z	3.464	3.464	0	%100
69	MP2A	X	-2	-2	0	%100
70	MP2A	Z	3.464	3.464	0	%100
71	MP3A	X	-2	-2	0	%100
72	MP3A	Z	3.464	3.464	0	%100
73	MP4A	X	-2	-2	0	%100
74	MP4A	Z	3.464	3.464	0	%100
75	MP1B	X	-2	-2	0	%100
76	MP1B	Z	3.464	3.464	0	%100
77	MP2B	X	-2	-2	0	%100
78	MP2B	Z	3.464	3.464	0	%100
79	MP3B	X	-2	-2	0	%100
80	MP3B	Z	3.464	3.464	0	%100
81	MP4B	X	-2	-2	0	%100
82	MP4B	Z	3.464	3.464	0	%100
83	MP1C	X	-2	-2	0	%100
84	MP1C	Z	3.464	3.464	0	%100
85	MP2C	X	-2	-2	0	%100
86	MP2C	Z	3.464	3.464	0	%100
87	MP3C	X	-2	-2	0	%100
88	MP3C	Z	3.464	3.464	0	%100
89	MP4C	X	-2	-2	0	%100
90	MP4C	Z	3.464	3.464	0	%100
91	M70	X	-1.704	-1.704	0	%100
92	M70	Z	2.951	2.951	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	0	0	0	%100
95	M72	X	-1.704	-1.704	0	%100
96	M72	Z	2.951	2.951	0	%100
97	M97	X	-1.633	-1.633	0	%100
98	M97	Z	2.829	2.829	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M99	X	-1.633	-1.633	0	%100
102	M99	Z	2.829	2.829	0	%100
103	M95	X	-1.904	-1.904	0	%100
104	M95	Z	3.298	3.298	0	%100
105	M97A	X	-1.904	-1.904	0	%100
106	M97A	Z	3.298	3.298	0	%100
107	M99A	X	-2.53	-2.53	0	%100
108	M99A	Z	4.382	4.382	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	-1.081	-1.081	0	%100
2	M1	Z	.624	.624	0	%100
3	M2	X	-1.081	-1.081	0	%100
4	M2	Z	.624	.624	0	%100
5	M3	X	-4.324	-4.324	0	%100
6	M3	Z	2.497	2.497	0	%100
7	M4	X	-3.038	-3.038	0	%100
8	M4	Z	1.754	1.754	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F....]	Start Location[ft.%]	End Location[ft.%]
11	M6	X	-3.038	-3.038	0	%100
12	M6	Z	1.754	1.754	0	%100
13	M7	X	-.882	-.882	0	%100
14	M7	Z	.509	.509	0	%100
15	M8	X	-.882	-.882	0	%100
16	M8	Z	.509	.509	0	%100
17	M9	X	-3.528	-3.528	0	%100
18	M9	Z	2.037	2.037	0	%100
19	M10	X	-3.528	-3.528	0	%100
20	M10	Z	2.037	2.037	0	%100
21	M11	X	-.882	-.882	0	%100
22	M11	Z	.509	.509	0	%100
23	M12	X	-.882	-.882	0	%100
24	M12	Z	.509	.509	0	%100
25	M13	X	-1.086	-1.086	0	%100
26	M13	Z	.627	.627	0	%100
27	M14	X	-4.041	-4.041	0	%100
28	M14	Z	2.333	2.333	0	%100
29	M15	X	-1.163	-1.163	0	%100
30	M15	Z	.672	.672	0	%100
31	M16	X	-1.045	-1.045	0	%100
32	M16	Z	.603	.603	0	%100
33	M17	X	-4.497	-4.497	0	%100
34	M17	Z	2.596	2.596	0	%100
35	M18	X	-.976	-.976	0	%100
36	M18	Z	.563	.563	0	%100
37	M19	X	-4.994	-4.994	0	%100
38	M19	Z	2.883	2.883	0	%100
39	M20	X	-1.261	-1.261	0	%100
40	M20	Z	.728	.728	0	%100
41	M21	X	-1.249	-1.249	0	%100
42	M21	Z	.721	.721	0	%100
43	M22	X	-1.249	-1.249	0	%100
44	M22	Z	.721	.721	0	%100
45	M23	X	-5.043	-5.043	0	%100
46	M23	Z	2.911	2.911	0	%100
47	M24	X	-1.249	-1.249	0	%100
48	M24	Z	.721	.721	0	%100
49	M25	X	-1.249	-1.249	0	%100
50	M25	Z	.721	.721	0	%100
51	M26	X	-1.261	-1.261	0	%100
52	M26	Z	.728	.728	0	%100
53	M27	X	-4.994	-4.994	0	%100
54	M27	Z	2.883	2.883	0	%100
55	M28	X	-4.994	-4.994	0	%100
56	M28	Z	2.883	2.883	0	%100
57	M29	X	-1.249	-1.249	0	%100
58	M29	Z	.721	.721	0	%100
59	M30	X	-1.249	-1.249	0	%100
60	M30	Z	.721	.721	0	%100
61	M31	X	-1.249	-1.249	0	%100
62	M31	Z	.721	.721	0	%100
63	M32	X	-1.249	-1.249	0	%100
64	M32	Z	.721	.721	0	%100
65	M33	X	-4.994	-4.994	0	%100
66	M33	Z	2.883	2.883	0	%100
67	MP1A	X	-3.464	-3.464	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.%]
68	MP1A	Z	2	2	0	%100
69	MP2A	X	-3.464	-3.464	0	%100
70	MP2A	Z	2	2	0	%100
71	MP3A	X	-3.464	-3.464	0	%100
72	MP3A	Z	2	2	0	%100
73	MP4A	X	-3.464	-3.464	0	%100
74	MP4A	Z	2	2	0	%100
75	MP1B	X	-3.464	-3.464	0	%100
76	MP1B	Z	2	2	0	%100
77	MP2B	X	-3.464	-3.464	0	%100
78	MP2B	Z	2	2	0	%100
79	MP3B	X	-3.464	-3.464	0	%100
80	MP3B	Z	2	2	0	%100
81	MP4B	X	-3.464	-3.464	0	%100
82	MP4B	Z	2	2	0	%100
83	MP1C	X	-3.464	-3.464	0	%100
84	MP1C	Z	2	2	0	%100
85	MP2C	X	-3.464	-3.464	0	%100
86	MP2C	Z	2	2	0	%100
87	MP3C	X	-3.464	-3.464	0	%100
88	MP3C	Z	2	2	0	%100
89	MP4C	X	-3.464	-3.464	0	%100
90	MP4C	Z	2	2	0	%100
91	M70	X	-.984	-.984	0	%100
92	M70	Z	.568	.568	0	%100
93	M71	X	-.984	-.984	0	%100
94	M71	Z	.568	.568	0	%100
95	M72	X	-3.934	-3.934	0	%100
96	M72	Z	2.271	2.271	0	%100
97	M97	X	-3.772	-3.772	0	%100
98	M97	Z	2.178	2.178	0	%100
99	M98	X	-.943	-.943	0	%100
100	M98	Z	.544	.544	0	%100
101	M99	X	-.943	-.943	0	%100
102	M99	Z	.544	.544	0	%100
103	M95	X	-4.02	-4.02	0	%100
104	M95	Z	2.321	2.321	0	%100
105	M97A	X	-2.936	-2.936	0	%100
106	M97A	Z	1.695	1.695	0	%100
107	M99A	X	-4.02	-4.02	0	%100
108	M99A	Z	2.321	2.321	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	-3.745	-3.745	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-3.745	-3.745	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-4.677	-4.677	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-1.169	-1.169	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-1.169	-1.169	0	%100
12	M6	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.%,]
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-3.056	-3.056	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-3.056	-3.056	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-3.056	-3.056	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-3.056	-3.056	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-3.85	-3.85	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-3.459	-3.459	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-0.000511	-0.000511	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	-3.54	-3.54	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-3.939	-3.939	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-0.00046	-0.00046	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	-4.325	-4.325	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	-4.325	-4.325	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-4.325	-4.325	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-4.367	-4.367	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-4.367	-4.367	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-4.325	-4.325	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-4.325	-4.325	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-4.325	-4.325	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	-4.325	-4.325	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-4.325	-4.325	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	-4	-4	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	-4	-4	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.%]
70	MP2A	Z	0	0	0	%100
71	MP3A	X	-4	-4	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	-4	-4	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1B	X	-4	-4	0	%100
76	MP1B	Z	0	0	0	%100
77	MP2B	X	-4	-4	0	%100
78	MP2B	Z	0	0	0	%100
79	MP3B	X	-4	-4	0	%100
80	MP3B	Z	0	0	0	%100
81	MP4B	X	-4	-4	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1C	X	-4	-4	0	%100
84	MP1C	Z	0	0	0	%100
85	MP2C	X	-4	-4	0	%100
86	MP2C	Z	0	0	0	%100
87	MP3C	X	-4	-4	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-4	-4	0	%100
90	MP4C	Z	0	0	0	%100
91	M70	X	0	0	0	%100
92	M70	Z	0	0	0	%100
93	M71	X	-3.407	-3.407	0	%100
94	M71	Z	0	0	0	%100
95	M72	X	-3.407	-3.407	0	%100
96	M72	Z	0	0	0	%100
97	M97	X	-3.267	-3.267	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	-3.267	-3.267	0	%100
100	M98	Z	0	0	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	0	0	0	%100
103	M95	X	-5.059	-5.059	0	%100
104	M95	Z	0	0	0	%100
105	M97A	X	-3.808	-3.808	0	%100
106	M97A	Z	0	0	0	%100
107	M99A	X	-3.808	-3.808	0	%100
108	M99A	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	-1.081	-1.081	0	%100
2	M1	Z	-.624	-.624	0	%100
3	M2	X	-4.324	-4.324	0	%100
4	M2	Z	-2.497	-2.497	0	%100
5	M3	X	-1.081	-1.081	0	%100
6	M3	Z	-.624	-.624	0	%100
7	M4	X	-3.038	-3.038	0	%100
8	M4	Z	-1.754	-1.754	0	%100
9	M5	X	-3.038	-3.038	0	%100
10	M5	Z	-1.754	-1.754	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-.882	-.882	0	%100
14	M7	Z	-.509	-.509	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, %]
15	M8	X	- .882	- .882	0	%100
16	M8	Z	- .509	- .509	0	%100
17	M9	X	- .882	- .882	0	%100
18	M9	Z	- .509	- .509	0	%100
19	M10	X	- .882	- .882	0	%100
20	M10	Z	- .509	- .509	0	%100
21	M11	X	-3.528	-3.528	0	%100
22	M11	Z	-2.037	-2.037	0	%100
23	M12	X	-3.528	-3.528	0	%100
24	M12	Z	-2.037	-2.037	0	%100
25	M13	X	-4.497	-4.497	0	%100
26	M13	Z	-2.596	-2.596	0	%100
27	M14	X	- .976	- .976	0	%100
28	M14	Z	- .563	- .563	0	%100
29	M15	X	-1.086	-1.086	0	%100
30	M15	Z	- .627	- .627	0	%100
31	M16	X	-4.041	-4.041	0	%100
32	M16	Z	-2.333	-2.333	0	%100
33	M17	X	-1.163	-1.163	0	%100
34	M17	Z	- .672	- .672	0	%100
35	M18	X	-1.045	-1.045	0	%100
36	M18	Z	- .603	- .603	0	%100
37	M19	X	-1.249	-1.249	0	%100
38	M19	Z	- .721	- .721	0	%100
39	M20	X	-1.261	-1.261	0	%100
40	M20	Z	- .728	- .728	0	%100
41	M21	X	-4.994	-4.994	0	%100
42	M21	Z	-2.883	-2.883	0	%100
43	M22	X	-4.994	-4.994	0	%100
44	M22	Z	-2.883	-2.883	0	%100
45	M23	X	-1.261	-1.261	0	%100
46	M23	Z	- .728	- .728	0	%100
47	M24	X	-1.249	-1.249	0	%100
48	M24	Z	- .721	- .721	0	%100
49	M25	X	-1.249	-1.249	0	%100
50	M25	Z	- .721	- .721	0	%100
51	M26	X	-5.043	-5.043	0	%100
52	M26	Z	-2.911	-2.911	0	%100
53	M27	X	-1.249	-1.249	0	%100
54	M27	Z	- .721	- .721	0	%100
55	M28	X	-1.249	-1.249	0	%100
56	M28	Z	- .721	- .721	0	%100
57	M29	X	-4.994	-4.994	0	%100
58	M29	Z	-2.883	-2.883	0	%100
59	M30	X	-4.994	-4.994	0	%100
60	M30	Z	-2.883	-2.883	0	%100
61	M31	X	-1.249	-1.249	0	%100
62	M31	Z	- .721	- .721	0	%100
63	M32	X	-1.249	-1.249	0	%100
64	M32	Z	- .721	- .721	0	%100
65	M33	X	-1.249	-1.249	0	%100
66	M33	Z	- .721	- .721	0	%100
67	MP1A	X	-3.464	-3.464	0	%100
68	MP1A	Z	-2	-2	0	%100
69	MP2A	X	-3.464	-3.464	0	%100
70	MP2A	Z	-2	-2	0	%100
71	MP3A	X	-3.464	-3.464	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, %]
72	MP3A	Z	-2	-2	0	%100
73	MP4A	X	-3.464	-3.464	0	%100
74	MP4A	Z	-2	-2	0	%100
75	MP1B	X	-3.464	-3.464	0	%100
76	MP1B	Z	-2	-2	0	%100
77	MP2B	X	-3.464	-3.464	0	%100
78	MP2B	Z	-2	-2	0	%100
79	MP3B	X	-3.464	-3.464	0	%100
80	MP3B	Z	-2	-2	0	%100
81	MP4B	X	-3.464	-3.464	0	%100
82	MP4B	Z	-2	-2	0	%100
83	MP1C	X	-3.464	-3.464	0	%100
84	MP1C	Z	-2	-2	0	%100
85	MP2C	X	-3.464	-3.464	0	%100
86	MP2C	Z	-2	-2	0	%100
87	MP3C	X	-3.464	-3.464	0	%100
88	MP3C	Z	-2	-2	0	%100
89	MP4C	X	-3.464	-3.464	0	%100
90	MP4C	Z	-2	-2	0	%100
91	M70	X	-0.984	-0.984	0	%100
92	M70	Z	-0.568	-0.568	0	%100
93	M71	X	-3.934	-3.934	0	%100
94	M71	Z	-2.271	-2.271	0	%100
95	M72	X	-0.984	-0.984	0	%100
96	M72	Z	-0.568	-0.568	0	%100
97	M97	X	-0.943	-0.943	0	%100
98	M97	Z	-0.544	-0.544	0	%100
99	M98	X	-3.772	-3.772	0	%100
100	M98	Z	-2.178	-2.178	0	%100
101	M99	X	-0.943	-0.943	0	%100
102	M99	Z	-0.544	-0.544	0	%100
103	M95	X	-4.02	-4.02	0	%100
104	M95	Z	-2.321	-2.321	0	%100
105	M97A	X	-4.02	-4.02	0	%100
106	M97A	Z	-2.321	-2.321	0	%100
107	M99A	X	-2.936	-2.936	0	%100
108	M99A	Z	-1.695	-1.695	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.873	-1.873	0	%100
2	M1	Z	-3.243	-3.243	0	%100
3	M2	X	-1.873	-1.873	0	%100
4	M2	Z	-3.243	-3.243	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-0.585	-0.585	0	%100
8	M4	Z	-1.013	-1.013	0	%100
9	M5	X	-2.338	-2.338	0	%100
10	M5	Z	-4.05	-4.05	0	%100
11	M6	X	-0.585	-0.585	0	%100
12	M6	Z	-1.013	-1.013	0	%100
13	M7	X	-1.528	-1.528	0	%100
14	M7	Z	-2.646	-2.646	0	%100
15	M8	X	-1.528	-1.528	0	%100
16	M8	Z	-2.646	-2.646	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. %]
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-1.528	-1.528	0	%100
22	M11	Z	-2.646	-2.646	0	%100
23	M12	X	-1.528	-1.528	0	%100
24	M12	Z	-2.646	-2.646	0	%100
25	M13	X	-1.97	-1.97	0	%100
26	M13	Z	-3.412	-3.412	0	%100
27	M14	X	-0.0023	-0.0023	0	%100
28	M14	Z	-0.00398	-0.00398	0	%100
29	M15	X	-1.925	-1.925	0	%100
30	M15	Z	-3.334	-3.334	0	%100
31	M16	X	-1.73	-1.73	0	%100
32	M16	Z	-2.996	-2.996	0	%100
33	M17	X	-0.00256	-0.00256	0	%100
34	M17	Z	-0.00443	-0.00443	0	%100
35	M18	X	-1.77	-1.77	0	%100
36	M18	Z	-3.065	-3.065	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-2.183	-2.183	0	%100
40	M20	Z	-3.782	-3.782	0	%100
41	M21	X	-2.163	-2.163	0	%100
42	M21	Z	-3.746	-3.746	0	%100
43	M22	X	-2.163	-2.163	0	%100
44	M22	Z	-3.746	-3.746	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-2.163	-2.163	0	%100
48	M24	Z	-3.746	-3.746	0	%100
49	M25	X	-2.163	-2.163	0	%100
50	M25	Z	-3.746	-3.746	0	%100
51	M26	X	-2.183	-2.183	0	%100
52	M26	Z	-3.782	-3.782	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-2.163	-2.163	0	%100
58	M29	Z	-3.746	-3.746	0	%100
59	M30	X	-2.163	-2.163	0	%100
60	M30	Z	-3.746	-3.746	0	%100
61	M31	X	-2.163	-2.163	0	%100
62	M31	Z	-3.746	-3.746	0	%100
63	M32	X	-2.163	-2.163	0	%100
64	M32	Z	-3.746	-3.746	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	-2	-2	0	%100
68	MP1A	Z	-3.464	-3.464	0	%100
69	MP2A	X	-2	-2	0	%100
70	MP2A	Z	-3.464	-3.464	0	%100
71	MP3A	X	-2	-2	0	%100
72	MP3A	Z	-3.464	-3.464	0	%100
73	MP4A	X	-2	-2	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.%]
74	MP4A	Z	-3.464	-3.464	0	%100
75	MP1B	X	-2	-2	0	%100
76	MP1B	Z	-3.464	-3.464	0	%100
77	MP2B	X	-2	-2	0	%100
78	MP2B	Z	-3.464	-3.464	0	%100
79	MP3B	X	-2	-2	0	%100
80	MP3B	Z	-3.464	-3.464	0	%100
81	MP4B	X	-2	-2	0	%100
82	MP4B	Z	-3.464	-3.464	0	%100
83	MP1C	X	-2	-2	0	%100
84	MP1C	Z	-3.464	-3.464	0	%100
85	MP2C	X	-2	-2	0	%100
86	MP2C	Z	-3.464	-3.464	0	%100
87	MP3C	X	-2	-2	0	%100
88	MP3C	Z	-3.464	-3.464	0	%100
89	MP4C	X	-2	-2	0	%100
90	MP4C	Z	-3.464	-3.464	0	%100
91	M70	X	-1.704	-1.704	0	%100
92	M70	Z	-2.951	-2.951	0	%100
93	M71	X	-1.704	-1.704	0	%100
94	M71	Z	-2.951	-2.951	0	%100
95	M72	X	0	0	0	%100
96	M72	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	-1.633	-1.633	0	%100
100	M98	Z	-2.829	-2.829	0	%100
101	M99	X	-1.633	-1.633	0	%100
102	M99	Z	-2.829	-2.829	0	%100
103	M95	X	-1.904	-1.904	0	%100
104	M95	Z	-3.298	-3.298	0	%100
105	M97A	X	-2.53	-2.53	0	%100
106	M97A	Z	-4.382	-4.382	0	%100
107	M99A	X	-1.904	-1.904	0	%100
108	M99A	Z	-3.298	-3.298	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-.908	-.908	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.227	-.227	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.227	-.227	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-.687	-.687	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-.687	-.687	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-.83	-.83	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-.83	-.83	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-.207	-.207	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.%,]
19	M10	X	0	0	0	%100
20	M10	Z	-.207	-.207	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-.207	-.207	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-.207	-.207	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-.294	-.294	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-.245	-.245	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-1.138	-1.138	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	-.229	-.229	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	-.275	-.275	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	-.948	-.948	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-.389	-.389	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-1.557	-1.557	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-.389	-.389	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	-.389	-.389	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	-.389	-.389	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	-1.557	-1.557	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	-1.557	-1.557	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-.389	-.389	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-.389	-.389	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-.389	-.389	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	-.389	-.389	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	-.389	-.389	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	-1.557	-1.557	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	-1.557	-1.557	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	-.389	-.389	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	-.616	-.616	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	-.616	-.616	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	-.616	-.616	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	-.616	-.616	0	%100
75	MP1B	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, %]
76	MP1B	Z	-.616	-.616	0	%100
77	MP2B	X	0	0	0	%100
78	MP2B	Z	-.616	-.616	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	-.616	-.616	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	-.616	-.616	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	-.616	-.616	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	-.616	-.616	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-.616	-.616	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-.616	-.616	0	%100
91	M70	X	0	0	0	%100
92	M70	Z	-.746	-.746	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	-.187	-.187	0	%100
95	M72	X	0	0	0	%100
96	M72	Z	-.187	-.187	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	-.239	-.239	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	-.239	-.239	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	-.957	-.957	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	-.895	-.895	0	%100
105	M97A	X	0	0	0	%100
106	M97A	Z	-1.056	-1.056	0	%100
107	M99A	X	0	0	0	%100
108	M99A	Z	-1.056	-1.056	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	.341	.341	0	%100
2	M1	Z	-.59	-.59	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.341	.341	0	%100
6	M3	Z	-.59	-.59	0	%100
7	M4	X	.114	.114	0	%100
8	M4	Z	-.198	-.198	0	%100
9	M5	X	.114	.114	0	%100
10	M5	Z	-.198	-.198	0	%100
11	M6	X	.458	.458	0	%100
12	M6	Z	-.793	-.793	0	%100
13	M7	X	.311	.311	0	%100
14	M7	Z	-.539	-.539	0	%100
15	M8	X	.311	.311	0	%100
16	M8	Z	-.539	-.539	0	%100
17	M9	X	.311	.311	0	%100
18	M9	Z	-.539	-.539	0	%100
19	M10	X	.311	.311	0	%100
20	M10	Z	-.539	-.539	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. %]
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	5.6e-5	5.6e-5	0	%100
26	M13	Z	-9.7e-5	-9.7e-5	0	%100
27	M14	X	.36	.36	0	%100
28	M14	Z	-.623	-.623	0	%100
29	M15	X	.432	.432	0	%100
30	M15	Z	-.748	-.748	0	%100
31	M16	X	4.7e-5	4.7e-5	0	%100
32	M16	Z	-8.1e-5	-8.1e-5	0	%100
33	M17	X	.422	.422	0	%100
34	M17	Z	-.731	-.731	0	%100
35	M18	X	.352	.352	0	%100
36	M18	Z	-.609	-.609	0	%100
37	M19	X	.584	.584	0	%100
38	M19	Z	-1.012	-1.012	0	%100
39	M20	X	.584	.584	0	%100
40	M20	Z	-1.012	-1.012	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	.584	.584	0	%100
46	M23	Z	-1.012	-1.012	0	%100
47	M24	X	.584	.584	0	%100
48	M24	Z	-1.012	-1.012	0	%100
49	M25	X	.584	.584	0	%100
50	M25	Z	-1.012	-1.012	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	.584	.584	0	%100
54	M27	Z	-1.012	-1.012	0	%100
55	M28	X	.584	.584	0	%100
56	M28	Z	-1.012	-1.012	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	.584	.584	0	%100
62	M31	Z	-1.012	-1.012	0	%100
63	M32	X	.584	.584	0	%100
64	M32	Z	-1.012	-1.012	0	%100
65	M33	X	.584	.584	0	%100
66	M33	Z	-1.012	-1.012	0	%100
67	MP1A	X	.308	.308	0	%100
68	MP1A	Z	-.534	-.534	0	%100
69	MP2A	X	.308	.308	0	%100
70	MP2A	Z	-.534	-.534	0	%100
71	MP3A	X	.308	.308	0	%100
72	MP3A	Z	-.534	-.534	0	%100
73	MP4A	X	.308	.308	0	%100
74	MP4A	Z	-.534	-.534	0	%100
75	MP1B	X	.308	.308	0	%100
76	MP1B	Z	-.534	-.534	0	%100
77	MP2B	X	.308	.308	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.%]
78	MP2B	Z	-.534	-.534	0	%100
79	MP3B	X	.308	.308	0	%100
80	MP3B	Z	-.534	-.534	0	%100
81	MP4B	X	.308	.308	0	%100
82	MP4B	Z	-.534	-.534	0	%100
83	MP1C	X	.308	.308	0	%100
84	MP1C	Z	-.534	-.534	0	%100
85	MP2C	X	.308	.308	0	%100
86	MP2C	Z	-.534	-.534	0	%100
87	MP3C	X	.308	.308	0	%100
88	MP3C	Z	-.534	-.534	0	%100
89	MP4C	X	.308	.308	0	%100
90	MP4C	Z	-.534	-.534	0	%100
91	M70	X	.28	.28	0	%100
92	M70	Z	-.485	-.485	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	0	0	0	%100
95	M72	X	.28	.28	0	%100
96	M72	Z	-.485	-.485	0	%100
97	M97	X	.359	.359	0	%100
98	M97	Z	-.622	-.622	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M99	X	.359	.359	0	%100
102	M99	Z	-.622	-.622	0	%100
103	M95	X	.474	.474	0	%100
104	M95	Z	-.822	-.822	0	%100
105	M97A	X	.474	.474	0	%100
106	M97A	Z	-.822	-.822	0	%100
107	M99A	X	.555	.555	0	%100
108	M99A	Z	-.961	-.961	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	.197	.197	0	%100
2	M1	Z	-.114	-.114	0	%100
3	M2	X	.197	.197	0	%100
4	M2	Z	-.114	-.114	0	%100
5	M3	X	.787	.787	0	%100
6	M3	Z	-.454	-.454	0	%100
7	M4	X	.595	.595	0	%100
8	M4	Z	-.343	-.343	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	.595	.595	0	%100
12	M6	Z	-.343	-.343	0	%100
13	M7	X	.18	.18	0	%100
14	M7	Z	-.104	-.104	0	%100
15	M8	X	.18	.18	0	%100
16	M8	Z	-.104	-.104	0	%100
17	M9	X	.719	.719	0	%100
18	M9	Z	-.415	-.415	0	%100
19	M10	X	.719	.719	0	%100
20	M10	Z	-.415	-.415	0	%100
21	M11	X	.18	.18	0	%100
22	M11	Z	-.104	-.104	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.%,]
23	M12	X	.18	.18	0	%100
24	M12	Z	-.104	-.104	0	%100
25	M13	X	.238	.238	0	%100
26	M13	Z	-.137	-.137	0	%100
27	M14	X	.821	.821	0	%100
28	M14	Z	-.474	-.474	0	%100
29	M15	X	.255	.255	0	%100
30	M15	Z	-.147	-.147	0	%100
31	M16	X	.212	.212	0	%100
32	M16	Z	-.123	-.123	0	%100
33	M17	X	.985	.985	0	%100
34	M17	Z	-.569	-.569	0	%100
35	M18	X	.198	.198	0	%100
36	M18	Z	-.114	-.114	0	%100
37	M19	X	1.349	1.349	0	%100
38	M19	Z	-.779	-.779	0	%100
39	M20	X	.337	.337	0	%100
40	M20	Z	-.195	-.195	0	%100
41	M21	X	.337	.337	0	%100
42	M21	Z	-.195	-.195	0	%100
43	M22	X	.337	.337	0	%100
44	M22	Z	-.195	-.195	0	%100
45	M23	X	1.349	1.349	0	%100
46	M23	Z	-.779	-.779	0	%100
47	M24	X	.337	.337	0	%100
48	M24	Z	-.195	-.195	0	%100
49	M25	X	.337	.337	0	%100
50	M25	Z	-.195	-.195	0	%100
51	M26	X	.337	.337	0	%100
52	M26	Z	-.195	-.195	0	%100
53	M27	X	1.349	1.349	0	%100
54	M27	Z	-.779	-.779	0	%100
55	M28	X	1.349	1.349	0	%100
56	M28	Z	-.779	-.779	0	%100
57	M29	X	.337	.337	0	%100
58	M29	Z	-.195	-.195	0	%100
59	M30	X	.337	.337	0	%100
60	M30	Z	-.195	-.195	0	%100
61	M31	X	.337	.337	0	%100
62	M31	Z	-.195	-.195	0	%100
63	M32	X	.337	.337	0	%100
64	M32	Z	-.195	-.195	0	%100
65	M33	X	1.349	1.349	0	%100
66	M33	Z	-.779	-.779	0	%100
67	MP1A	X	.534	.534	0	%100
68	MP1A	Z	-.308	-.308	0	%100
69	MP2A	X	.534	.534	0	%100
70	MP2A	Z	-.308	-.308	0	%100
71	MP3A	X	.534	.534	0	%100
72	MP3A	Z	-.308	-.308	0	%100
73	MP4A	X	.534	.534	0	%100
74	MP4A	Z	-.308	-.308	0	%100
75	MP1B	X	.534	.534	0	%100
76	MP1B	Z	-.308	-.308	0	%100
77	MP2B	X	.534	.534	0	%100
78	MP2B	Z	-.308	-.308	0	%100
79	MP3B	X	.534	.534	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.%,]
80	MP3B	Z	-.308	-.308	0	%100
81	MP4B	X	.534	.534	0	%100
82	MP4B	Z	-.308	-.308	0	%100
83	MP1C	X	.534	.534	0	%100
84	MP1C	Z	-.308	-.308	0	%100
85	MP2C	X	.534	.534	0	%100
86	MP2C	Z	-.308	-.308	0	%100
87	MP3C	X	.534	.534	0	%100
88	MP3C	Z	-.308	-.308	0	%100
89	MP4C	X	.534	.534	0	%100
90	MP4C	Z	-.308	-.308	0	%100
91	M70	X	.162	.162	0	%100
92	M70	Z	-.093	-.093	0	%100
93	M71	X	.162	.162	0	%100
94	M71	Z	-.093	-.093	0	%100
95	M72	X	.646	.646	0	%100
96	M72	Z	-.373	-.373	0	%100
97	M97	X	.829	.829	0	%100
98	M97	Z	-.479	-.479	0	%100
99	M98	X	.207	.207	0	%100
100	M98	Z	-.12	-.12	0	%100
101	M99	X	.207	.207	0	%100
102	M99	Z	-.12	-.12	0	%100
103	M95	X	.914	.914	0	%100
104	M95	Z	-.528	-.528	0	%100
105	M97A	X	.775	.775	0	%100
106	M97A	Z	-.448	-.448	0	%100
107	M99A	X	.914	.914	0	%100
108	M99A	Z	-.528	-.528	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	.681	.681	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.681	.681	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.915	.915	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.229	.229	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	.229	.229	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	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	.622	.622	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	.622	.622	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	.622	.622	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	.622	.622	0	%100
24	M12	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, %]
25	M13	X	.844	.844	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	.703	.703	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	.000112	.000112	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	.719	.719	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	.863	.863	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	9.3e-5	9.3e-5	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	1.168	1.168	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	1.168	1.168	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	1.168	1.168	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	1.168	1.168	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	1.168	1.168	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	1.168	1.168	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	1.168	1.168	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	1.168	1.168	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	1.168	1.168	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	1.168	1.168	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	.616	.616	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	.616	.616	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	.616	.616	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	.616	.616	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1B	X	.616	.616	0	%100
76	MP1B	Z	0	0	0	%100
77	MP2B	X	.616	.616	0	%100
78	MP2B	Z	0	0	0	%100
79	MP3B	X	.616	.616	0	%100
80	MP3B	Z	0	0	0	%100
81	MP4B	X	.616	.616	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, %]
82	MP4B	Z	0	0	0	%100
83	MP1C	X	.616	.616	0	%100
84	MP1C	Z	0	0	0	%100
85	MP2C	X	.616	.616	0	%100
86	MP2C	Z	0	0	0	%100
87	MP3C	X	.616	.616	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	.616	.616	0	%100
90	MP4C	Z	0	0	0	%100
91	M70	X	0	0	0	%100
92	M70	Z	0	0	0	%100
93	M71	X	.56	.56	0	%100
94	M71	Z	0	0	0	%100
95	M72	X	.56	.56	0	%100
96	M72	Z	0	0	0	%100
97	M97	X	.718	.718	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	.718	.718	0	%100
100	M98	Z	0	0	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	0	0	0	%100
103	M95	X	1.109	1.109	0	%100
104	M95	Z	0	0	0	%100
105	M97A	X	.949	.949	0	%100
106	M97A	Z	0	0	0	%100
107	M99A	X	.949	.949	0	%100
108	M99A	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	.197	.197	0	%100
2	M1	Z	.114	.114	0	%100
3	M2	X	.787	.787	0	%100
4	M2	Z	.454	.454	0	%100
5	M3	X	.197	.197	0	%100
6	M3	Z	.114	.114	0	%100
7	M4	X	.595	.595	0	%100
8	M4	Z	.343	.343	0	%100
9	M5	X	.595	.595	0	%100
10	M5	Z	.343	.343	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	.18	.18	0	%100
14	M7	Z	.104	.104	0	%100
15	M8	X	.18	.18	0	%100
16	M8	Z	.104	.104	0	%100
17	M9	X	.18	.18	0	%100
18	M9	Z	.104	.104	0	%100
19	M10	X	.18	.18	0	%100
20	M10	Z	.104	.104	0	%100
21	M11	X	.719	.719	0	%100
22	M11	Z	.415	.415	0	%100
23	M12	X	.719	.719	0	%100
24	M12	Z	.415	.415	0	%100
25	M13	X	.985	.985	0	%100
26	M13	Z	.569	.569	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	M14	X	.198	.198	0	%100
28	M14	Z	.114	.114	0	%100
29	M15	X	.238	.238	0	%100
30	M15	Z	.137	.137	0	%100
31	M16	X	.821	.821	0	%100
32	M16	Z	.474	.474	0	%100
33	M17	X	.255	.255	0	%100
34	M17	Z	.147	.147	0	%100
35	M18	X	.212	.212	0	%100
36	M18	Z	.123	.123	0	%100
37	M19	X	.337	.337	0	%100
38	M19	Z	.195	.195	0	%100
39	M20	X	.337	.337	0	%100
40	M20	Z	.195	.195	0	%100
41	M21	X	1.349	1.349	0	%100
42	M21	Z	.779	.779	0	%100
43	M22	X	1.349	1.349	0	%100
44	M22	Z	.779	.779	0	%100
45	M23	X	.337	.337	0	%100
46	M23	Z	.195	.195	0	%100
47	M24	X	.337	.337	0	%100
48	M24	Z	.195	.195	0	%100
49	M25	X	.337	.337	0	%100
50	M25	Z	.195	.195	0	%100
51	M26	X	1.349	1.349	0	%100
52	M26	Z	.779	.779	0	%100
53	M27	X	.337	.337	0	%100
54	M27	Z	.195	.195	0	%100
55	M28	X	.337	.337	0	%100
56	M28	Z	.195	.195	0	%100
57	M29	X	1.349	1.349	0	%100
58	M29	Z	.779	.779	0	%100
59	M30	X	1.349	1.349	0	%100
60	M30	Z	.779	.779	0	%100
61	M31	X	.337	.337	0	%100
62	M31	Z	.195	.195	0	%100
63	M32	X	.337	.337	0	%100
64	M32	Z	.195	.195	0	%100
65	M33	X	.337	.337	0	%100
66	M33	Z	.195	.195	0	%100
67	MP1A	X	.534	.534	0	%100
68	MP1A	Z	.308	.308	0	%100
69	MP2A	X	.534	.534	0	%100
70	MP2A	Z	.308	.308	0	%100
71	MP3A	X	.534	.534	0	%100
72	MP3A	Z	.308	.308	0	%100
73	MP4A	X	.534	.534	0	%100
74	MP4A	Z	.308	.308	0	%100
75	MP1B	X	.534	.534	0	%100
76	MP1B	Z	.308	.308	0	%100
77	MP2B	X	.534	.534	0	%100
78	MP2B	Z	.308	.308	0	%100
79	MP3B	X	.534	.534	0	%100
80	MP3B	Z	.308	.308	0	%100
81	MP4B	X	.534	.534	0	%100
82	MP4B	Z	.308	.308	0	%100
83	MP1C	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	MP1C	Z	.308	.308	0	%100
85	MP2C	X	.534	.534	0	%100
86	MP2C	Z	.308	.308	0	%100
87	MP3C	X	.534	.534	0	%100
88	MP3C	Z	.308	.308	0	%100
89	MP4C	X	.534	.534	0	%100
90	MP4C	Z	.308	.308	0	%100
91	M70	X	.162	.162	0	%100
92	M70	Z	.093	.093	0	%100
93	M71	X	.646	.646	0	%100
94	M71	Z	.373	.373	0	%100
95	M72	X	.162	.162	0	%100
96	M72	Z	.093	.093	0	%100
97	M97	X	.207	.207	0	%100
98	M97	Z	.12	.12	0	%100
99	M98	X	.829	.829	0	%100
100	M98	Z	.479	.479	0	%100
101	M99	X	.207	.207	0	%100
102	M99	Z	.12	.12	0	%100
103	M95	X	.914	.914	0	%100
104	M95	Z	.528	.528	0	%100
105	M97A	X	.914	.914	0	%100
106	M97A	Z	.528	.528	0	%100
107	M99A	X	.775	.775	0	%100
108	M99A	Z	.448	.448	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	.341	.341	0	%100
2	M1	Z	.59	.59	0	%100
3	M2	X	.341	.341	0	%100
4	M2	Z	.59	.59	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.114	.114	0	%100
8	M4	Z	.198	.198	0	%100
9	M5	X	.458	.458	0	%100
10	M5	Z	.793	.793	0	%100
11	M6	X	.114	.114	0	%100
12	M6	Z	.198	.198	0	%100
13	M7	X	.311	.311	0	%100
14	M7	Z	.539	.539	0	%100
15	M8	X	.311	.311	0	%100
16	M8	Z	.539	.539	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	.311	.311	0	%100
22	M11	Z	.539	.539	0	%100
23	M12	X	.311	.311	0	%100
24	M12	Z	.539	.539	0	%100
25	M13	X	.432	.432	0	%100
26	M13	Z	.748	.748	0	%100
27	M14	X	4.7e-5	4.7e-5	0	%100
28	M14	Z	8.1e-5	8.1e-5	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. %]
29	M15	X	.422	.422	0	%100
30	M15	Z	.731	.731	0	%100
31	M16	X	.352	.352	0	%100
32	M16	Z	.609	.609	0	%100
33	M17	X	5.6e-5	5.6e-5	0	%100
34	M17	Z	9.7e-5	9.7e-5	0	%100
35	M18	X	.36	.36	0	%100
36	M18	Z	.623	.623	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	.584	.584	0	%100
40	M20	Z	1.012	1.012	0	%100
41	M21	X	.584	.584	0	%100
42	M21	Z	1.012	1.012	0	%100
43	M22	X	.584	.584	0	%100
44	M22	Z	1.012	1.012	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	.584	.584	0	%100
48	M24	Z	1.012	1.012	0	%100
49	M25	X	.584	.584	0	%100
50	M25	Z	1.012	1.012	0	%100
51	M26	X	.584	.584	0	%100
52	M26	Z	1.012	1.012	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	.584	.584	0	%100
58	M29	Z	1.012	1.012	0	%100
59	M30	X	.584	.584	0	%100
60	M30	Z	1.012	1.012	0	%100
61	M31	X	.584	.584	0	%100
62	M31	Z	1.012	1.012	0	%100
63	M32	X	.584	.584	0	%100
64	M32	Z	1.012	1.012	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	.308	.308	0	%100
68	MP1A	Z	.534	.534	0	%100
69	MP2A	X	.308	.308	0	%100
70	MP2A	Z	.534	.534	0	%100
71	MP3A	X	.308	.308	0	%100
72	MP3A	Z	.534	.534	0	%100
73	MP4A	X	.308	.308	0	%100
74	MP4A	Z	.534	.534	0	%100
75	MP1B	X	.308	.308	0	%100
76	MP1B	Z	.534	.534	0	%100
77	MP2B	X	.308	.308	0	%100
78	MP2B	Z	.534	.534	0	%100
79	MP3B	X	.308	.308	0	%100
80	MP3B	Z	.534	.534	0	%100
81	MP4B	X	.308	.308	0	%100
82	MP4B	Z	.534	.534	0	%100
83	MP1C	X	.308	.308	0	%100
84	MP1C	Z	.534	.534	0	%100
85	MP2C	X	.308	.308	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, %]
86	MP2C	Z	.534	.534	0	%100
87	MP3C	X	.308	.308	0	%100
88	MP3C	Z	.534	.534	0	%100
89	MP4C	X	.308	.308	0	%100
90	MP4C	Z	.534	.534	0	%100
91	M70	X	.28	.28	0	%100
92	M70	Z	.485	.485	0	%100
93	M71	X	.28	.28	0	%100
94	M71	Z	.485	.485	0	%100
95	M72	X	0	0	0	%100
96	M72	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	.359	.359	0	%100
100	M98	Z	.622	.622	0	%100
101	M99	X	.359	.359	0	%100
102	M99	Z	.622	.622	0	%100
103	M95	X	.474	.474	0	%100
104	M95	Z	.822	.822	0	%100
105	M97A	X	.555	.555	0	%100
106	M97A	Z	.961	.961	0	%100
107	M99A	X	.474	.474	0	%100
108	M99A	Z	.822	.822	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	.908	.908	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.227	.227	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.227	.227	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	.687	.687	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	.687	.687	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	.83	.83	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	.83	.83	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	.207	.207	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	.207	.207	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	.207	.207	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	.207	.207	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	.294	.294	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	.245	.245	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	1.138	1.138	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.%,]
31	M16	X	0	0	0	%100
32	M16	Z	.229	.229	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	.275	.275	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	.948	.948	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	.389	.389	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	1.557	1.557	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	.389	.389	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	.389	.389	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	.389	.389	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	1.557	1.557	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	1.557	1.557	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	.389	.389	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	.389	.389	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	.389	.389	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	.389	.389	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	.389	.389	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	1.557	1.557	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	1.557	1.557	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	.389	.389	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	.616	.616	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	.616	.616	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	.616	.616	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	.616	.616	0	%100
75	MP1B	X	0	0	0	%100
76	MP1B	Z	.616	.616	0	%100
77	MP2B	X	0	0	0	%100
78	MP2B	Z	.616	.616	0	%100
79	MP3B	X	0	0	0	%100
80	MP3B	Z	.616	.616	0	%100
81	MP4B	X	0	0	0	%100
82	MP4B	Z	.616	.616	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	.616	.616	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	.616	.616	0	%100
87	MP3C	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.%]
88	MP3C	Z	.616	.616	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	.616	.616	0	%100
91	M70	X	0	0	0	%100
92	M70	Z	.746	.746	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	.187	.187	0	%100
95	M72	X	0	0	0	%100
96	M72	Z	.187	.187	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	.239	.239	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	.239	.239	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	.957	.957	0	%100
103	M95	X	0	0	0	%100
104	M95	Z	.895	.895	0	%100
105	M97A	X	0	0	0	%100
106	M97A	Z	1.056	1.056	0	%100
107	M99A	X	0	0	0	%100
108	M99A	Z	1.056	1.056	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	-.341	-.341	0	%100
2	M1	Z	.59	.59	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.341	-.341	0	%100
6	M3	Z	.59	.59	0	%100
7	M4	X	-.114	-.114	0	%100
8	M4	Z	.198	.198	0	%100
9	M5	X	-.114	-.114	0	%100
10	M5	Z	.198	.198	0	%100
11	M6	X	-.458	-.458	0	%100
12	M6	Z	.793	.793	0	%100
13	M7	X	-.311	-.311	0	%100
14	M7	Z	.539	.539	0	%100
15	M8	X	-.311	-.311	0	%100
16	M8	Z	.539	.539	0	%100
17	M9	X	-.311	-.311	0	%100
18	M9	Z	.539	.539	0	%100
19	M10	X	-.311	-.311	0	%100
20	M10	Z	.539	.539	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-5.6e-5	-5.6e-5	0	%100
26	M13	Z	9.7e-5	9.7e-5	0	%100
27	M14	X	-.36	-.36	0	%100
28	M14	Z	.623	.623	0	%100
29	M15	X	-.432	-.432	0	%100
30	M15	Z	.748	.748	0	%100
31	M16	X	-4.7e-5	-4.7e-5	0	%100
32	M16	Z	8.1e-5	8.1e-5	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft, F, ...]	End Magnitude[lb/ft, F, ...]	Start Location[ft, %]	End Location[ft, %]
33	M17	X	-.422	-.422	0	%100
34	M17	Z	.731	.731	0	%100
35	M18	X	-.352	-.352	0	%100
36	M18	Z	.609	.609	0	%100
37	M19	X	-.584	-.584	0	%100
38	M19	Z	1.012	1.012	0	%100
39	M20	X	-.584	-.584	0	%100
40	M20	Z	1.012	1.012	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-.584	-.584	0	%100
46	M23	Z	1.012	1.012	0	%100
47	M24	X	-.584	-.584	0	%100
48	M24	Z	1.012	1.012	0	%100
49	M25	X	-.584	-.584	0	%100
50	M25	Z	1.012	1.012	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-.584	-.584	0	%100
54	M27	Z	1.012	1.012	0	%100
55	M28	X	-.584	-.584	0	%100
56	M28	Z	1.012	1.012	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-.584	-.584	0	%100
62	M31	Z	1.012	1.012	0	%100
63	M32	X	-.584	-.584	0	%100
64	M32	Z	1.012	1.012	0	%100
65	M33	X	-.584	-.584	0	%100
66	M33	Z	1.012	1.012	0	%100
67	MP1A	X	-.308	-.308	0	%100
68	MP1A	Z	.534	.534	0	%100
69	MP2A	X	-.308	-.308	0	%100
70	MP2A	Z	.534	.534	0	%100
71	MP3A	X	-.308	-.308	0	%100
72	MP3A	Z	.534	.534	0	%100
73	MP4A	X	-.308	-.308	0	%100
74	MP4A	Z	.534	.534	0	%100
75	MP1B	X	-.308	-.308	0	%100
76	MP1B	Z	.534	.534	0	%100
77	MP2B	X	-.308	-.308	0	%100
78	MP2B	Z	.534	.534	0	%100
79	MP3B	X	-.308	-.308	0	%100
80	MP3B	Z	.534	.534	0	%100
81	MP4B	X	-.308	-.308	0	%100
82	MP4B	Z	.534	.534	0	%100
83	MP1C	X	-.308	-.308	0	%100
84	MP1C	Z	.534	.534	0	%100
85	MP2C	X	-.308	-.308	0	%100
86	MP2C	Z	.534	.534	0	%100
87	MP3C	X	-.308	-.308	0	%100
88	MP3C	Z	.534	.534	0	%100
89	MP4C	X	-.308	-.308	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.%]
90	MP4C	Z	.534	.534	0	%100
91	M70	X	-.28	-.28	0	%100
92	M70	Z	.485	.485	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	0	0	0	%100
95	M72	X	-.28	-.28	0	%100
96	M72	Z	.485	.485	0	%100
97	M97	X	-.359	-.359	0	%100
98	M97	Z	.622	.622	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M99	X	-.359	-.359	0	%100
102	M99	Z	.622	.622	0	%100
103	M95	X	-.474	-.474	0	%100
104	M95	Z	.822	.822	0	%100
105	M97A	X	-.474	-.474	0	%100
106	M97A	Z	.822	.822	0	%100
107	M99A	X	-.555	-.555	0	%100
108	M99A	Z	.961	.961	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	-.197	-.197	0	%100
2	M1	Z	.114	.114	0	%100
3	M2	X	-.197	-.197	0	%100
4	M2	Z	.114	.114	0	%100
5	M3	X	-.787	-.787	0	%100
6	M3	Z	.454	.454	0	%100
7	M4	X	-.595	-.595	0	%100
8	M4	Z	.343	.343	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.595	-.595	0	%100
12	M6	Z	.343	.343	0	%100
13	M7	X	-.18	-.18	0	%100
14	M7	Z	.104	.104	0	%100
15	M8	X	-.18	-.18	0	%100
16	M8	Z	.104	.104	0	%100
17	M9	X	-.719	-.719	0	%100
18	M9	Z	.415	.415	0	%100
19	M10	X	-.719	-.719	0	%100
20	M10	Z	.415	.415	0	%100
21	M11	X	-.18	-.18	0	%100
22	M11	Z	.104	.104	0	%100
23	M12	X	-.18	-.18	0	%100
24	M12	Z	.104	.104	0	%100
25	M13	X	-.238	-.238	0	%100
26	M13	Z	.137	.137	0	%100
27	M14	X	-.821	-.821	0	%100
28	M14	Z	.474	.474	0	%100
29	M15	X	-.255	-.255	0	%100
30	M15	Z	.147	.147	0	%100
31	M16	X	-.212	-.212	0	%100
32	M16	Z	.123	.123	0	%100
33	M17	X	-.985	-.985	0	%100
34	M17	Z	.569	.569	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft, F...]	End Magnitude[lb/ft, F...]	Start Location[ft, %]	End Location[ft, %]
35	M18	X	-.198	-.198	0	%100
36	M18	Z	.114	.114	0	%100
37	M19	X	-1.349	-1.349	0	%100
38	M19	Z	.779	.779	0	%100
39	M20	X	-.337	-.337	0	%100
40	M20	Z	.195	.195	0	%100
41	M21	X	-.337	-.337	0	%100
42	M21	Z	.195	.195	0	%100
43	M22	X	-.337	-.337	0	%100
44	M22	Z	.195	.195	0	%100
45	M23	X	-1.349	-1.349	0	%100
46	M23	Z	.779	.779	0	%100
47	M24	X	-.337	-.337	0	%100
48	M24	Z	.195	.195	0	%100
49	M25	X	-.337	-.337	0	%100
50	M25	Z	.195	.195	0	%100
51	M26	X	-.337	-.337	0	%100
52	M26	Z	.195	.195	0	%100
53	M27	X	-1.349	-1.349	0	%100
54	M27	Z	.779	.779	0	%100
55	M28	X	-1.349	-1.349	0	%100
56	M28	Z	.779	.779	0	%100
57	M29	X	-.337	-.337	0	%100
58	M29	Z	.195	.195	0	%100
59	M30	X	-.337	-.337	0	%100
60	M30	Z	.195	.195	0	%100
61	M31	X	-.337	-.337	0	%100
62	M31	Z	.195	.195	0	%100
63	M32	X	-.337	-.337	0	%100
64	M32	Z	.195	.195	0	%100
65	M33	X	-1.349	-1.349	0	%100
66	M33	Z	.779	.779	0	%100
67	MP1A	X	-.534	-.534	0	%100
68	MP1A	Z	.308	.308	0	%100
69	MP2A	X	-.534	-.534	0	%100
70	MP2A	Z	.308	.308	0	%100
71	MP3A	X	-.534	-.534	0	%100
72	MP3A	Z	.308	.308	0	%100
73	MP4A	X	-.534	-.534	0	%100
74	MP4A	Z	.308	.308	0	%100
75	MP1B	X	-.534	-.534	0	%100
76	MP1B	Z	.308	.308	0	%100
77	MP2B	X	-.534	-.534	0	%100
78	MP2B	Z	.308	.308	0	%100
79	MP3B	X	-.534	-.534	0	%100
80	MP3B	Z	.308	.308	0	%100
81	MP4B	X	-.534	-.534	0	%100
82	MP4B	Z	.308	.308	0	%100
83	MP1C	X	-.534	-.534	0	%100
84	MP1C	Z	.308	.308	0	%100
85	MP2C	X	-.534	-.534	0	%100
86	MP2C	Z	.308	.308	0	%100
87	MP3C	X	-.534	-.534	0	%100
88	MP3C	Z	.308	.308	0	%100
89	MP4C	X	-.534	-.534	0	%100
90	MP4C	Z	.308	.308	0	%100
91	M70	X	-.162	-.162	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, %]
92	M70	Z	.093	.093	0	%100
93	M71	X	-.162	-.162	0	%100
94	M71	Z	.093	.093	0	%100
95	M72	X	-.646	-.646	0	%100
96	M72	Z	.373	.373	0	%100
97	M97	X	-.829	-.829	0	%100
98	M97	Z	.479	.479	0	%100
99	M98	X	-.207	-.207	0	%100
100	M98	Z	.12	.12	0	%100
101	M99	X	-.207	-.207	0	%100
102	M99	Z	.12	.12	0	%100
103	M95	X	-.914	-.914	0	%100
104	M95	Z	.528	.528	0	%100
105	M97A	X	-.775	-.775	0	%100
106	M97A	Z	.448	.448	0	%100
107	M99A	X	-.914	-.914	0	%100
108	M99A	Z	.528	.528	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	-.681	-.681	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.681	-.681	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.915	-.915	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.229	-.229	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.229	-.229	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	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-.622	-.622	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-.622	-.622	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-.622	-.622	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-.622	-.622	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-.844	-.844	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-.703	-.703	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-.000112	-.000112	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	-.719	-.719	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-.863	-.863	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-9.3e-5	-9.3e-5	0	%100
36	M18	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.%,]
37	M19	X	-1.168	-1.168	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	-1.168	-1.168	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-1.168	-1.168	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-1.168	-1.168	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-1.168	-1.168	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-1.168	-1.168	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-1.168	-1.168	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-1.168	-1.168	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	-1.168	-1.168	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-1.168	-1.168	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	-.616	-.616	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	-.616	-.616	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	-.616	-.616	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	-.616	-.616	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1B	X	-.616	-.616	0	%100
76	MP1B	Z	0	0	0	%100
77	MP2B	X	-.616	-.616	0	%100
78	MP2B	Z	0	0	0	%100
79	MP3B	X	-.616	-.616	0	%100
80	MP3B	Z	0	0	0	%100
81	MP4B	X	-.616	-.616	0	%100
82	MP4B	Z	0	0	0	%100
83	MP1C	X	-.616	-.616	0	%100
84	MP1C	Z	0	0	0	%100
85	MP2C	X	-.616	-.616	0	%100
86	MP2C	Z	0	0	0	%100
87	MP3C	X	-.616	-.616	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-.616	-.616	0	%100
90	MP4C	Z	0	0	0	%100
91	M70	X	0	0	0	%100
92	M70	Z	0	0	0	%100
93	M71	X	-.56	-.56	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,.%]
94	M71	Z	0	0	0	%100
95	M72	X	-.56	-.56	0	%100
96	M72	Z	0	0	0	%100
97	M97	X	-.718	-.718	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	-.718	-.718	0	%100
100	M98	Z	0	0	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	0	0	0	%100
103	M95	X	-1.109	-1.109	0	%100
104	M95	Z	0	0	0	%100
105	M97A	X	-.949	-.949	0	%100
106	M97A	Z	0	0	0	%100
107	M99A	X	-.949	-.949	0	%100
108	M99A	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	-.197	-.197	0	%100
2	M1	Z	-.114	-.114	0	%100
3	M2	X	-.787	-.787	0	%100
4	M2	Z	-.454	-.454	0	%100
5	M3	X	-.197	-.197	0	%100
6	M3	Z	-.114	-.114	0	%100
7	M4	X	-.595	-.595	0	%100
8	M4	Z	-.343	-.343	0	%100
9	M5	X	-.595	-.595	0	%100
10	M5	Z	-.343	-.343	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-.18	-.18	0	%100
14	M7	Z	-.104	-.104	0	%100
15	M8	X	-.18	-.18	0	%100
16	M8	Z	-.104	-.104	0	%100
17	M9	X	-.18	-.18	0	%100
18	M9	Z	-.104	-.104	0	%100
19	M10	X	-.18	-.18	0	%100
20	M10	Z	-.104	-.104	0	%100
21	M11	X	-.719	-.719	0	%100
22	M11	Z	-.415	-.415	0	%100
23	M12	X	-.719	-.719	0	%100
24	M12	Z	-.415	-.415	0	%100
25	M13	X	-.985	-.985	0	%100
26	M13	Z	-.569	-.569	0	%100
27	M14	X	-.198	-.198	0	%100
28	M14	Z	-.114	-.114	0	%100
29	M15	X	-.238	-.238	0	%100
30	M15	Z	-.137	-.137	0	%100
31	M16	X	-.821	-.821	0	%100
32	M16	Z	-.474	-.474	0	%100
33	M17	X	-.255	-.255	0	%100
34	M17	Z	-.147	-.147	0	%100
35	M18	X	-.212	-.212	0	%100
36	M18	Z	-.123	-.123	0	%100
37	M19	X	-.337	-.337	0	%100
38	M19	Z	-.195	-.195	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft, F...	End Magnitude[lb/ft, F...	Start Location[ft, %]	End Location[ft, %]
39	M20	X	-.337	-.337	0	%100
40	M20	Z	-.195	-.195	0	%100
41	M21	X	-1.349	-1.349	0	%100
42	M21	Z	-.779	-.779	0	%100
43	M22	X	-1.349	-1.349	0	%100
44	M22	Z	-.779	-.779	0	%100
45	M23	X	-.337	-.337	0	%100
46	M23	Z	-.195	-.195	0	%100
47	M24	X	-.337	-.337	0	%100
48	M24	Z	-.195	-.195	0	%100
49	M25	X	-.337	-.337	0	%100
50	M25	Z	-.195	-.195	0	%100
51	M26	X	-1.349	-1.349	0	%100
52	M26	Z	-.779	-.779	0	%100
53	M27	X	-.337	-.337	0	%100
54	M27	Z	-.195	-.195	0	%100
55	M28	X	-.337	-.337	0	%100
56	M28	Z	-.195	-.195	0	%100
57	M29	X	-1.349	-1.349	0	%100
58	M29	Z	-.779	-.779	0	%100
59	M30	X	-1.349	-1.349	0	%100
60	M30	Z	-.779	-.779	0	%100
61	M31	X	-.337	-.337	0	%100
62	M31	Z	-.195	-.195	0	%100
63	M32	X	-.337	-.337	0	%100
64	M32	Z	-.195	-.195	0	%100
65	M33	X	-.337	-.337	0	%100
66	M33	Z	-.195	-.195	0	%100
67	MP1A	X	-.534	-.534	0	%100
68	MP1A	Z	-.308	-.308	0	%100
69	MP2A	X	-.534	-.534	0	%100
70	MP2A	Z	-.308	-.308	0	%100
71	MP3A	X	-.534	-.534	0	%100
72	MP3A	Z	-.308	-.308	0	%100
73	MP4A	X	-.534	-.534	0	%100
74	MP4A	Z	-.308	-.308	0	%100
75	MP1B	X	-.534	-.534	0	%100
76	MP1B	Z	-.308	-.308	0	%100
77	MP2B	X	-.534	-.534	0	%100
78	MP2B	Z	-.308	-.308	0	%100
79	MP3B	X	-.534	-.534	0	%100
80	MP3B	Z	-.308	-.308	0	%100
81	MP4B	X	-.534	-.534	0	%100
82	MP4B	Z	-.308	-.308	0	%100
83	MP1C	X	-.534	-.534	0	%100
84	MP1C	Z	-.308	-.308	0	%100
85	MP2C	X	-.534	-.534	0	%100
86	MP2C	Z	-.308	-.308	0	%100
87	MP3C	X	-.534	-.534	0	%100
88	MP3C	Z	-.308	-.308	0	%100
89	MP4C	X	-.534	-.534	0	%100
90	MP4C	Z	-.308	-.308	0	%100
91	M70	X	-.162	-.162	0	%100
92	M70	Z	-.093	-.093	0	%100
93	M71	X	-.646	-.646	0	%100
94	M71	Z	-.373	-.373	0	%100
95	M72	X	-.162	-.162	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, %]
96	M72	Z	-.093	-.093	0	%100
97	M97	X	-.207	-.207	0	%100
98	M97	Z	-.12	-.12	0	%100
99	M98	X	-.829	-.829	0	%100
100	M98	Z	-.479	-.479	0	%100
101	M99	X	-.207	-.207	0	%100
102	M99	Z	-.12	-.12	0	%100
103	M95	X	-.914	-.914	0	%100
104	M95	Z	-.528	-.528	0	%100
105	M97A	X	-.914	-.914	0	%100
106	M97A	Z	-.528	-.528	0	%100
107	M99A	X	-.775	-.775	0	%100
108	M99A	Z	-.448	-.448	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	-.341	-.341	0	%100
2	M1	Z	-.59	-.59	0	%100
3	M2	X	-.341	-.341	0	%100
4	M2	Z	-.59	-.59	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.114	-.114	0	%100
8	M4	Z	-.198	-.198	0	%100
9	M5	X	-.458	-.458	0	%100
10	M5	Z	-.793	-.793	0	%100
11	M6	X	-.114	-.114	0	%100
12	M6	Z	-.198	-.198	0	%100
13	M7	X	-.311	-.311	0	%100
14	M7	Z	-.539	-.539	0	%100
15	M8	X	-.311	-.311	0	%100
16	M8	Z	-.539	-.539	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-.311	-.311	0	%100
22	M11	Z	-.539	-.539	0	%100
23	M12	X	-.311	-.311	0	%100
24	M12	Z	-.539	-.539	0	%100
25	M13	X	-.432	-.432	0	%100
26	M13	Z	-.748	-.748	0	%100
27	M14	X	-4.7e-5	-4.7e-5	0	%100
28	M14	Z	-8.1e-5	-8.1e-5	0	%100
29	M15	X	-.422	-.422	0	%100
30	M15	Z	-.731	-.731	0	%100
31	M16	X	-.352	-.352	0	%100
32	M16	Z	-.609	-.609	0	%100
33	M17	X	-5.6e-5	-5.6e-5	0	%100
34	M17	Z	-9.7e-5	-9.7e-5	0	%100
35	M18	X	-.36	-.36	0	%100
36	M18	Z	-.623	-.623	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-.584	-.584	0	%100
40	M20	Z	-1.012	-1.012	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, %]
41	M21	X	-584	-584	0	%100
42	M21	Z	-1.012	-1.012	0	%100
43	M22	X	-584	-584	0	%100
44	M22	Z	-1.012	-1.012	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-584	-584	0	%100
48	M24	Z	-1.012	-1.012	0	%100
49	M25	X	-584	-584	0	%100
50	M25	Z	-1.012	-1.012	0	%100
51	M26	X	-584	-584	0	%100
52	M26	Z	-1.012	-1.012	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-584	-584	0	%100
58	M29	Z	-1.012	-1.012	0	%100
59	M30	X	-584	-584	0	%100
60	M30	Z	-1.012	-1.012	0	%100
61	M31	X	-584	-584	0	%100
62	M31	Z	-1.012	-1.012	0	%100
63	M32	X	-584	-584	0	%100
64	M32	Z	-1.012	-1.012	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	0	0	0	%100
67	MP1A	X	-308	-308	0	%100
68	MP1A	Z	-534	-534	0	%100
69	MP2A	X	-308	-308	0	%100
70	MP2A	Z	-534	-534	0	%100
71	MP3A	X	-308	-308	0	%100
72	MP3A	Z	-534	-534	0	%100
73	MP4A	X	-308	-308	0	%100
74	MP4A	Z	-534	-534	0	%100
75	MP1B	X	-308	-308	0	%100
76	MP1B	Z	-534	-534	0	%100
77	MP2B	X	-308	-308	0	%100
78	MP2B	Z	-534	-534	0	%100
79	MP3B	X	-308	-308	0	%100
80	MP3B	Z	-534	-534	0	%100
81	MP4B	X	-308	-308	0	%100
82	MP4B	Z	-534	-534	0	%100
83	MP1C	X	-308	-308	0	%100
84	MP1C	Z	-534	-534	0	%100
85	MP2C	X	-308	-308	0	%100
86	MP2C	Z	-534	-534	0	%100
87	MP3C	X	-308	-308	0	%100
88	MP3C	Z	-534	-534	0	%100
89	MP4C	X	-308	-308	0	%100
90	MP4C	Z	-534	-534	0	%100
91	M70	X	-28	-28	0	%100
92	M70	Z	-485	-485	0	%100
93	M71	X	-28	-28	0	%100
94	M71	Z	-485	-485	0	%100
95	M72	X	0	0	0	%100
96	M72	Z	0	0	0	%100
97	M97	X	0	0	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.%]
98	M97	Z	0	0	0	%100
99	M98	X	-.359	-.359	0	%100
100	M98	Z	-.622	-.622	0	%100
101	M99	X	-.359	-.359	0	%100
102	M99	Z	-.622	-.622	0	%100
103	M95	X	-.474	-.474	0	%100
104	M95	Z	-.822	-.822	0	%100
105	M97A	X	-.555	-.555	0	%100
106	M97A	Z	-.961	-.961	0	%100
107	M99A	X	-.474	-.474	0	%100
108	M99A	Z	-.822	-.822	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	M4	Y	-6.081	-6.081	1.077	2.814
2	M7	Y	-4.87	-4.87	1.771	2.76
3	M8	Y	-4.87	-4.87	0	.989
4	M13	Y	-4.776	-2.72	0	2.202
5	M13	Y	-2.72	-.665	2.202	4.404
6	M14	Y	-4.776	-2.72	0	2.202
7	M14	Y	-2.72	-.665	2.202	4.404
8	M5	Y	-6.081	-6.081	1.077	2.814
9	M9	Y	-4.87	-4.87	1.771	2.76
10	M10	Y	-4.87	-4.87	0	.989
11	M15	Y	-4.776	-2.72	0	2.202
12	M15	Y	-2.72	-.665	2.202	4.404
13	M16	Y	-4.776	-2.72	0	2.202
14	M16	Y	-2.72	-.665	2.202	4.404
15	M6	Y	-6.081	-6.081	1.077	2.814
16	M11	Y	-4.87	-4.87	1.771	2.76
17	M12	Y	-4.87	-4.87	0	.989
18	M17	Y	-4.776	-2.72	0	2.202
19	M17	Y	-2.72	-.665	2.202	4.404
20	M18	Y	-4.776	-2.72	0	2.202
21	M18	Y	-2.72	-.665	2.202	4.404

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	M4	Y	-18.709	-18.709	1.077	2.814
2	M7	Y	-14.987	-14.987	1.771	2.76
3	M8	Y	-14.987	-14.987	0	.989
4	M13	Y	-14.695	-8.371	0	2.202
5	M13	Y	-8.371	-2.046	2.202	4.404
6	M14	Y	-14.695	-8.371	0	2.202
7	M14	Y	-8.371	-2.046	2.202	4.404
8	M5	Y	-18.709	-18.709	1.077	2.814
9	M9	Y	-14.987	-14.987	1.771	2.76
10	M10	Y	-14.987	-14.987	0	.989
11	M15	Y	-14.695	-8.371	0	2.202
12	M15	Y	-8.371	-2.046	2.202	4.404
13	M16	Y	-14.695	-8.371	0	2.202
14	M16	Y	-8.371	-2.046	2.202	4.404
15	M6	Y	-18.709	-18.709	1.077	2.814
16	M11	Y	-14.987	-14.987	1.771	2.76
17	M12	Y	-14.987	-14.987	0	.989
18	M17	Y	-14.695	-8.371	0	2.202

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.%]
19	M17	Y	-8.371	-2.046	2.202	4.404
20	M18	Y	-14.695	-8.371	0	2.202
21	M18	Y	-8.371	-2.046	2.202	4.404

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N17	N18	N19		Y	Two Way	-.005
2	N41	N42	N43		Y	Two Way	-.005
3	N61	N62	N63		Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N17	N18	N19		Y	Two Way	-.016
2	N41	N42	N43		Y	Two Way	-.016
3	N61	N62	N63		Y	Two Way	-.016

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	N4	max	2162.892	10	-137.427	7	-71.149	1	-.133	7	2.642	4	.235	22
2		min	-2183.935	4	-1074.087	13	-2962.758	19	-1.047	13	-2.667	10	.05	4
3	N2	max	512.725	11	-137.428	3	2314.51	12	.718	21	2.642	12	.795	21
4		min	-2702.715	17	-1074.082	21	-1336.787	6	-.02	39	-2.667	6	.078	3
5	N3	max	2667.959	21	-137.426	11	2409.517	2	.329	17	2.642	8	-.152	11
6		min	-195.649	3	-1074.09	17	-1468.238	8	-.147	35	-2.667	2	-1.019	17
7	N162	max	40.96	10	3939.423	13	3110.259	13	0	51	0	51	0	51
8		min	-40.975	4	796.594	7	588.02	7	0	1	0	1	0	1
9	N165	max	2693.546	21	3939.405	21	-293.989	3	0	51	0	51	0	51
10		min	509.253	3	796.595	3	-1555.131	21	0	1	0	1	0	1
11	N168	max	-509.226	11	3939.426	17	-294.03	11	0	51	0	51	0	51
12		min	-2693.57	17	796.592	11	-1555.122	17	0	1	0	1	0	1
13	Totals:	max	4863.808	10	8317.995	16	4863.811	1						
14		min	-4863.806	4	2953.706	10	-4863.81	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [...]	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M1	PIPE 3.0	.126	4.427	47	.063	5.729		11	28250.554	65205	5.749	5.749	2...	H1-1b
2	M2	PIPE 3.0	.120	8.984	4	.063	5.729		3	28250.554	65205	5.749	5.749	1...	H1-1b
3	M3	PIPE 3.0	.120	8.984	8	.063	5.729		7	28250.554	65205	5.749	5.749	1...	H1-1b
4	M4	HSS4X4X4	.319	1.996	13	.102	1.996	y	23	97901.33	106155	12.311	12.311	1...	H1-1b
5	M5	HSS4X4X4	.319	1.996	21	.102	1.996	y	19	97901.33	106155	12.311	12.311	1...	H1-1b
6	M6	HSS4X4X4	.319	1.996	17	.102	1.996	y	15	97901.33	106155	12.311	12.311	1...	H1-1b
7	M7	L3X2.5X3	.555	2.76	13	.098	.518	y	6	25268.667	32400	.952	2.298	1...	H2-1
8	M8	L3X2.5X3	.513	0	15	.129	2.243	y	2	25268.667	32400	.952	2.298	1...	H2-1
9	M9	L3X2.5X3	.555	2.76	21	.098	.518	y	2	25268.667	32400	.952	2.298	1...	H2-1
10	M10	L3X2.5X3	.513	0	23	.129	2.243	y	10	25268.667	32400	.952	2.298	1...	H2-1
11	M11	L3X2.5X3	.555	2.76	17	.098	.518	y	10	25268.667	32400	.952	2.298	1...	H2-1
12	M12	L3X2.5X3	.513	0	19	.129	2.243	y	6	25268.667	32400	.952	2.298	1...	H2-1
13	M13	L3X2.5X3	.127	4.404	24	.016	4.404	y	22	18851	32400	.952	2.058	1...	H2-1
14	M14	L3X2.5X3	.157	3.67	15	.018	4.404	z	20	18851	32400	.928	2.092	1...	H2-1
15	M15	L3X2.5X3	.124	4.404	19	.016	4.404	y	18	27239.52	32400	.952	2.058	1...	H2-1
16	M16	L3X2.5X3	.157	3.67	23	.018	4.404	z	16	18851	32400	.928	2.092	1...	H2-1
17	M17	L3X2.5X3	.127	4.404	16	.016	4.404	y	14	18851	32400	.952	2.058	1...	H2-1

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

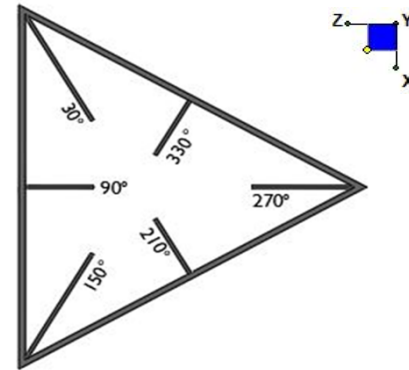
Member	Shape	Code Check	Loc[ft]	LC Shear ...	Loc[ft]	Dir	LC phi*Pnc	[...phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Egn
18	M18	L3X2.5X3	.157	3.67 19	.018	4.404 z	24	18851	32400	.928	2.092	1... H2-1
19	M19	PL3/8x6	.071	.292 9	.404	.292 y	24	68996.603	72900	.57	9.113	2... H1-1b
20	M20	PL3/8x6	.168	.531 2	.303	.531 y	23	35121.021	72900	.57	9.113	1... H1-1b
21	M21	PL3/8x6	.042	0 12	.284	0 y	15	68996.603	72900	.57	9.113	2... H1-1b
22	M22	PL3/8x6	.071	.292 5	.404	.292 y	20	68996.603	72900	.57	9.113	2... H1-1b
23	M23	PL3/8x6	.168	.531 10	.303	.531 y	19	35121.021	72900	.57	9.113	1... H1-1b
24	M24	PL3/8x6	.042	0 8	.284	0 y	23	68996.603	72900	.57	9.113	2... H1-1b
25	M25	PL3/8x6	.071	.292 1	.404	.292 y	16	68996.603	72900	.57	9.113	2... H1-1b
26	M26	PL3/8x6	.168	.531 6	.303	.531 y	15	35121.021	72900	.57	9.113	1... H1-1b
27	M27	PL3/8x6	.042	0 4	.284	0 y	19	68996.603	72900	.57	9.113	2... H1-1b
28	M28	PL3/8x6	.235	0 4	.037	0 y	15	68996.603	72900	.57	9.113	1... H1-1b
29	M29	PL3/8x6	.209	0 10	.035	0 y	23	68996.603	72900	.57	9.113	2... H1-1b
30	M30	PL3/8x6	.235	0 12	.037	0 y	23	68996.603	72900	.57	9.113	1... H1-1b
31	M31	PL3/8x6	.209	0 6	.035	0 y	19	68996.603	72900	.57	9.113	2... H1-1b
32	M32	PL3/8x6	.235	0 8	.037	0 y	19	68996.603	72900	.57	9.113	1... H1-1b
33	M33	PL3/8x6	.209	0 2	.035	0 y	15	68996.603	72900	.57	9.113	2... H1-1b
34	MP1A	PIPE 2.0	.250	3.313 15	.056	1.688	2	20866.733	32130	1.872	1.872	2... H1-1b
35	MP2A	PIPE 2.0	.346	3.375 1	.088	3.375	9	20866.733	32130	1.872	1.872	2... H1-1b
36	MP3A	PIPE 2.0	.276	3.313 11	.059	3.313	12	20866.733	32130	1.872	1.872	1... H1-1b
37	MP4A	PIPE 2.0	.256	3.313 23	.071	3.313	11	20866.733	32130	1.872	1.872	2... H1-1b
38	MP1B	PIPE 2.0	.250	3.313 19	.056	1.688	6	20866.733	32130	1.872	1.872	2... H1-1b
39	MP2B	PIPE 2.0	.346	3.375 5	.088	3.375	1	20866.733	32130	1.872	1.872	1... H1-1b
40	MP3B	PIPE 2.0	.276	3.313 3	.059	3.313	4	20866.733	32130	1.872	1.872	2... H1-1b
41	MP4B	PIPE 2.0	.256	3.313 15	.071	3.313	3	20866.733	32130	1.872	1.872	1... H1-1b
42	MP1C	PIPE 2.0	.250	3.313 23	.056	1.688	10	20866.733	32130	1.872	1.872	1... H1-1b
43	MP2C	PIPE 2.0	.346	3.375 9	.088	3.375	5	20866.733	32130	1.872	1.872	1... H1-1b
44	MP3C	PIPE 2.0	.276	3.313 7	.059	3.313	8	20866.733	32130	1.872	1.872	1... H1-1b
45	MP4C	PIPE 2.0	.256	3.313 19	.071	3.313	7	20866.733	32130	1.872	1.872	2... H1-1b
46	M70	PIPE 2.5	.124	4.427 46	.058	9.896	6	14558.792	50715	3.596	3.596	2... H1-1b
47	M71	PIPE 2.5	.112	1.823 14	.058	9.896	10	14558.792	50715	3.596	3.596	2... H1-1b
48	M72	PIPE 2.5	.112	1.823 18	.058	9.896	2	14558.792	50715	3.596	3.596	2... H1-1b
49	M97	L3X3X4	.190	0 5	.017	0 y	6	41445.359	46656	1.688	3.756	2... H2-1
50	M98	L3X3X4	.190	0 1	.017	.024 y	2	41445.359	46656	1.688	3.756	2... H2-1
51	M99	L3X3X4	.190	0 9	.017	0 y	10	41445.359	46656	1.688	3.756	2... H2-1
52	M95	LL3x3x3x3	.049	2.401 17	.002	0 y	19	47738.519	70632	5.543	3.751	1... H1-1b
53	M97A	LL3x3x3x3	.049	2.401 13	.002	0 y	15	47738.519	70632	5.543	3.751	1... H1-1b
54	M99A	LL3x3x3x3	.049	2.401 21	.002	0 y	23	47738.519	70632	5.543	3.751	1... H1-1b



I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N2	30
N3	150
N4	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

d_x (in) (Delta X of typ. bolt config. sketch):

d_y (in) (Delta Y of typ. bolt config. sketch):

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

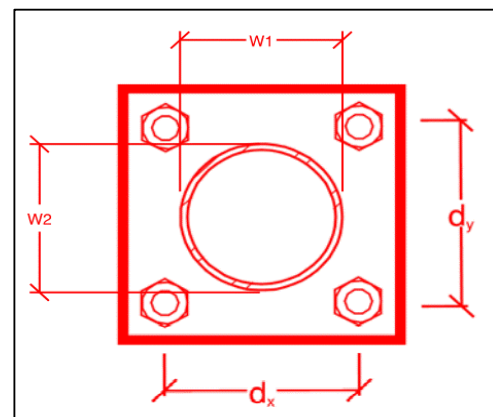
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
7
7
A325N
0.5
10.3
2.7
13.3
8.0
19.4%*
8.3%



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{plate} (in):

Weld Size (1/16 in):

$\Phi \cdot R_n$ (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
10
10
4
4
36
0.5
3
4.18
1.59
42.4%
38.1%

Max Plate Bending Strengths

$M_{u_{xx}}$ (kip-in):	1.0
$\Phi \cdot M_{n_{xx}}$ (kip-in):	20.3
$M_{u_{yy}}$ (kip-in):	7.6
$\Phi \cdot M_{n_{yy}}$ (kip-in):	20.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____
Signature _____

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.
- ☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.
- ☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____
 Name _____
 Signature _____

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

Issue:

Response:

Schedule A – Photo & Document File Structure



VzW Site Number / Name



Base & “During Installation” Photos



Pre-Installation Photos



Alpha



Beta



Gamma



Ground Level



Tape Drop



Post-Installation Photos



Alpha



Beta



Gamma



Ground Level



Tape Drop



Photos of climbing facility and safety climb – If Present



Certifications – Submission of this document including certifications

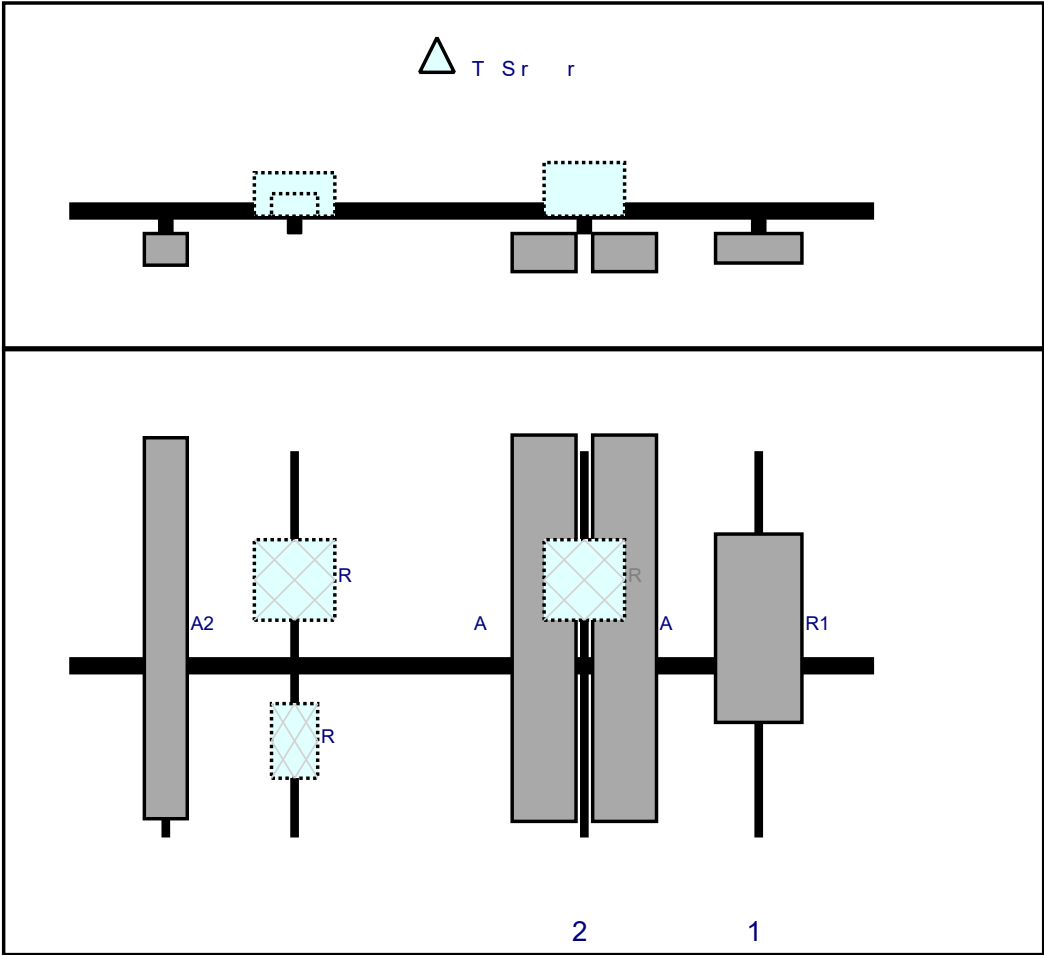


Specific Required Additional Photos

S r A
Sr r T M
M E 12 .

2 2 21

P 1

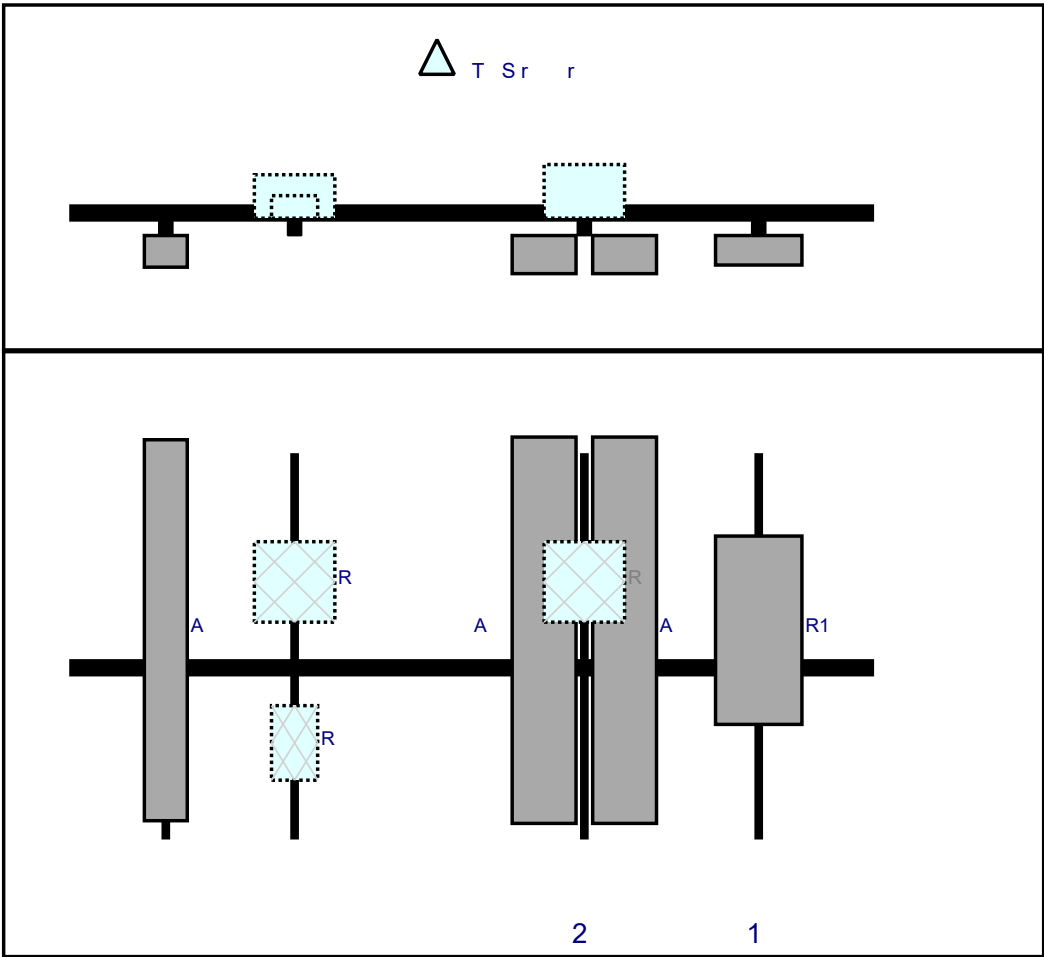


R	M d		d	D	P	P	A	.A	A	S	d
			r	L.	P	P	P	r	T.	O	
R1	MT	A	.1	1 .1	12 .	1	r			Add d	
A		B R2B	2	11.		2	r	.		R d	2 21
A		SS B R2BT	2	11.		2	r	.		R d	2 21
R	B2 B	ARR BR	1	1		2	B d 2			R d	2 21
R	B B1	RR BR	1	1	2		B d 2			R d	2 21
R		BRS RR RT 1 A	1 .	.	2		B d			R d	2 21
A2	B A	ED	1		1		r			R d	2 21

S r B
Sr r T M
M E 12 .

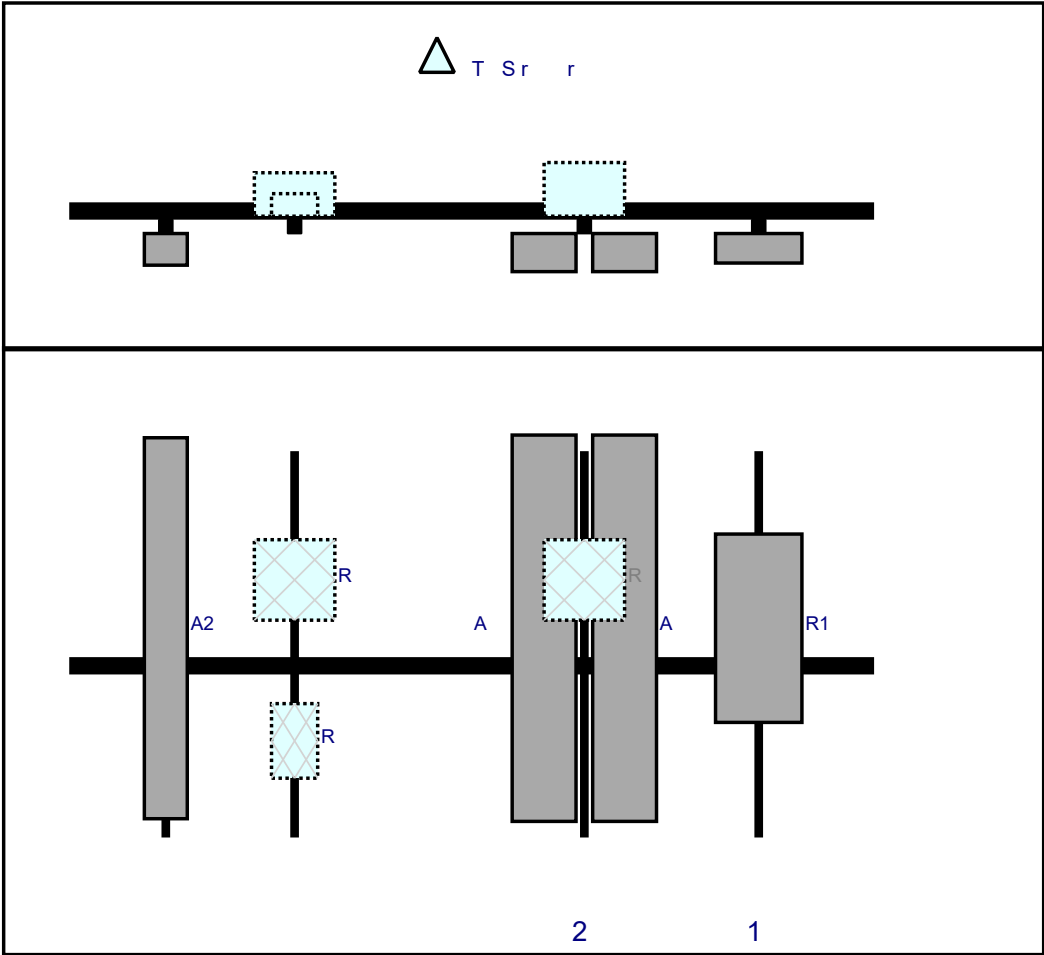
2 2 21

P 2



R	M d		d	D	P	P	A	.A	A	S	d
			r	L.	P	P	P	r	T.	O	
R1	MT	A	.1	1 .1	12 .	1	r			Add d	
A		B R2B	2	11.		2	r	.		R d	2 21
A		SS B R2BT	2	11.		2	r	.		R d	2 21
R	B2 B	ARR BR	1	1		2	B d 2			R d	2 21
R	B B1	RR BR	1	1	2		B d 2			R d	2 21
R		BRS RR RT 1 A	1 .	.	2		B d			R d	2 21
A	B A	ED	1		1		r			R d	2 21

S	r	C								2	2	21
Sr	r	T	M			1						
M	E	12	.							P		



R	M	d		d	D	P	P	A	.A	A	S	d
				r	L.		P	P	r	T.	O	
R1	MT	A	.1	1	.1	12	.	1	r			Add d
A		B R2B	2		11.			2	r	.	R	d 2 21
A		SS B R2BT	2		11.			2	r	.	R	d 2 21
R	B2 B	ARR BR	1		1			2	B	d 2	R	d 2 21
R	B	B1 RR BR	1		1		2		B	d 2	R	d 2 21
R		BRS RR RT 1 A	1	.	.		2		B	d	R	d 2 21
A2	B	A	1			1			r		R	d 2 21

Maser Consulting Connecticut

Subject

TIA-222-H Usage

Site Information

Site ID: 535791-VZW / ENFIELD 4 CT

Site Name: ENFIELD 4 CT

Carrier Name: Verizon Wireless

Address: 400 Ecology Rd
Enfield, Connecticut 06082
Hartford County

Latitude: 41.965903°

Longitude: -72.552692°

Structure Information

Tower Type: 162-ft Monopole

Mount Type: 12.50-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 maps by ASCE 7 based on updated studies of the wind data.

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

Sincerely,



Dejian Xu, PE
Technical Manager



MOUNT MODIFICATION DRAWINGS

EXISTING 12.50' PLATFORM

TOWER OWNER: AMERICAN TOWER COMPANY
TOWER OWNER SITE NUMBER: 302489

CARRIER SITE NAME: ENFIELD 4 CT
CARRIER SITE NUMBER: 535791
FUZE ID: 16251544

400 ECOLOGY RD
ENFIELD, CT 06082
HARTFORD COUNTY

LATITUDE: 41.965903° N
LONGITUDE: 72.552692° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), $V = 116$ MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY I
MEAN BASE ELEVATION (AMSL) = 162.94'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), $V = 50$ MPH
ICE THICKNESS = 1.50 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, $S_s = .174$
LONG TERM MCER GROUND MOTION, $S_1 = .055$

PROJECT INFORMATION	
<u>APPLICANT/LESSEE</u>	
COMPANY:	VERIZON WIRELESS
<u>CLIENT REPRESENTATIVE</u>	
COMPANY:	VERIZON WIRELESS
ADDRESS:	118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP:	WESTBOROUGH, MA 01581
CONTACT:	ANDREW CANDIELLO
EMAIL:	ANDREW.CANDIELLO@VERIZONWIRELESS.COM
<u>PROJECT MANAGER</u>	
COMPANY:	MASER CONSULTING CONNECTICUT
CONTACT:	PETER ALBANO
PHONE:	856-797-0412
E-MAIL:	PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS	
PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10088395
VZW LOCATION CODE (PSLC):	535791
ANALYSIS DATE:	7/29/2021
PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT	

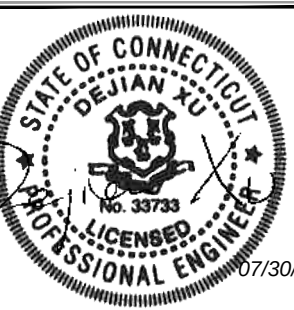
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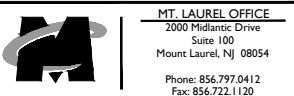


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SITE NAME:

ENFIELD 4 CT
535791

400 ECOLOGY RD
ENFIELD, CT 06082
HARTFORD COUNTY



SHEET TITLE :

TITLE SHEET

SHEET NUMBER : ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS
--

SECTION I - VZWSMART KITS

[illegible]

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
					TOTAL:	945

VZWSMART KITS - APPROVED VENDORS

COMMScope

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

METROSITE FABRICATORS, LLC

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

PERFECTVISION

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

SABRE INDUSTRIES, INC.

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

SITE PRO 1

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

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
2. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.



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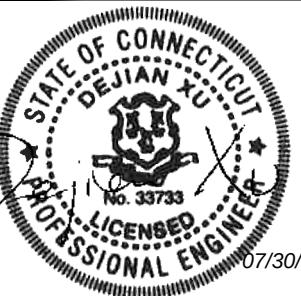
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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY



07/30/2021

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ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

ENFIELD 4 CT
535791

400 ECOLOGY RD
ENFIELD, CT 06082
HARTFORD COUNTY



MT. LAUREL OFFICE

2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :

BILL OF MATERIALS

SHEET NUMBER

SBOM-1

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

- THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY

9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.

- a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
- b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
- c. AISC CODE OF STANDARD PRACTICE

2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

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

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

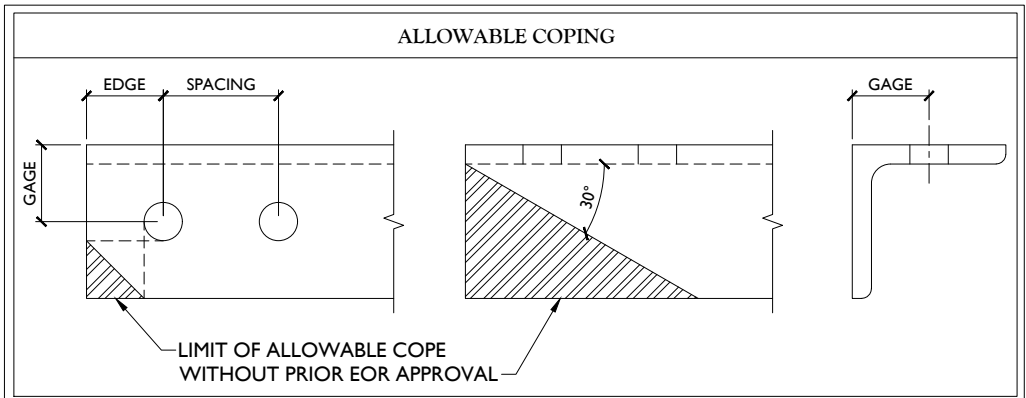
3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND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

1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.

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

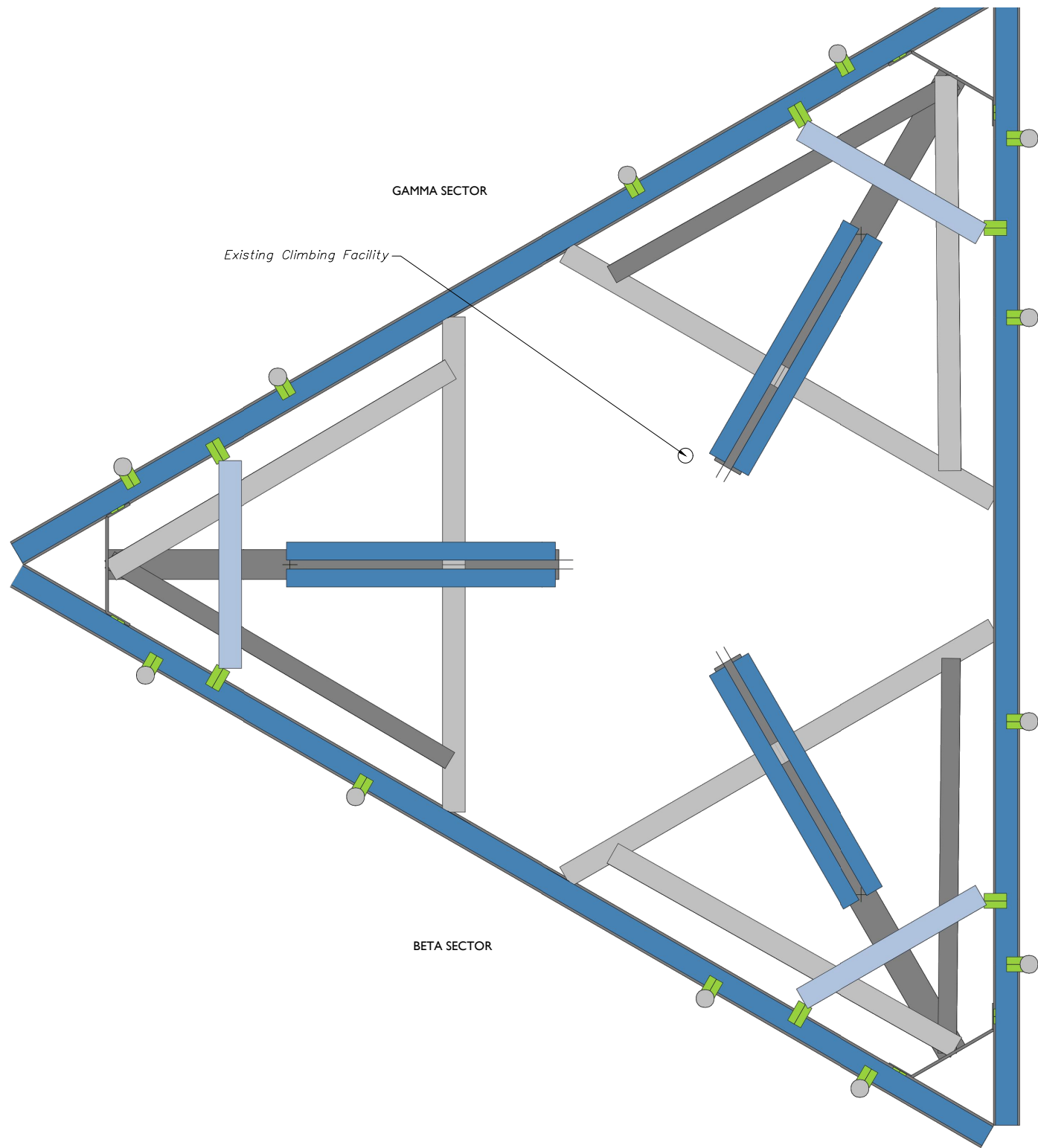


1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE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



SGN-I

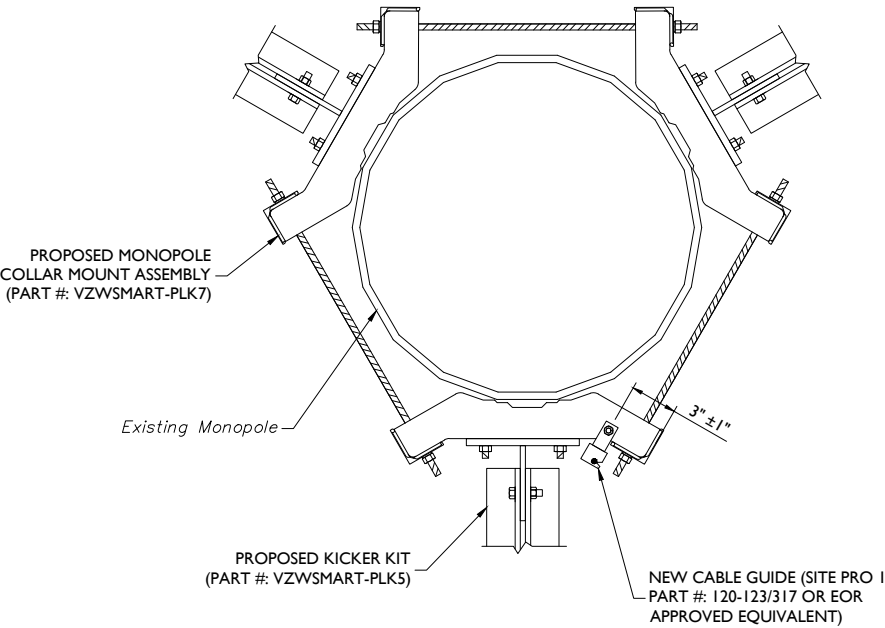
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1 CLIMBING FACILITY LOCATION
SCALE : N.T.S.

STRUCTURAL NOTES:

- PER THE MOUNT MAPPING COMPLETED BY ROAMING NETWORKS INC. ON 5/6/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (124'-6") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
- INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.



2 CABLE GUIDE COLLAR ATTACHMENT - PLAN VIEW
SCALE : N.T.S.



CLIMBING FACILITY PHOTO

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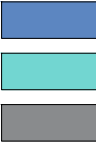
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Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1130

SHEET TITLE:
CLIMBING FACILITY DETAIL

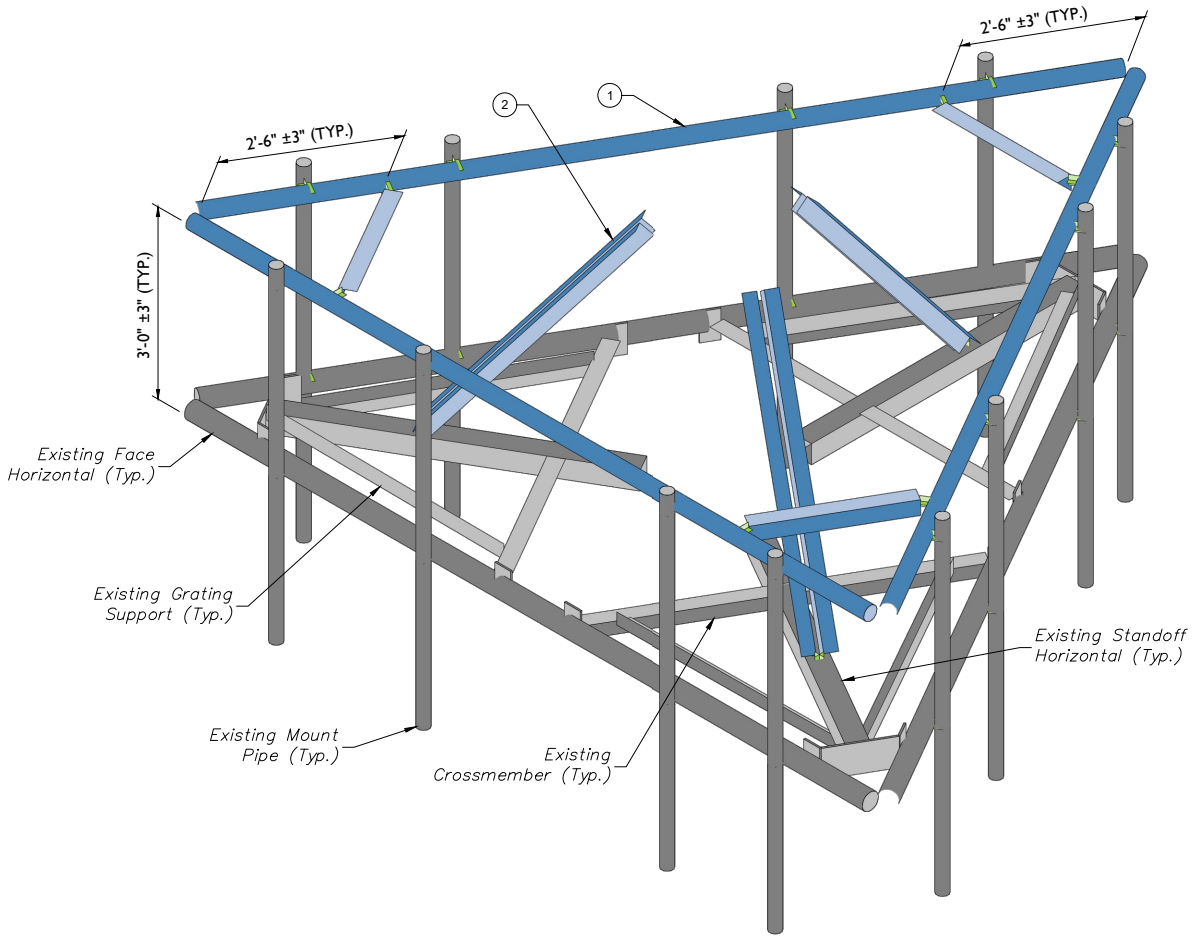
SHEET NUMBER:
SCF-I

LEGEND:

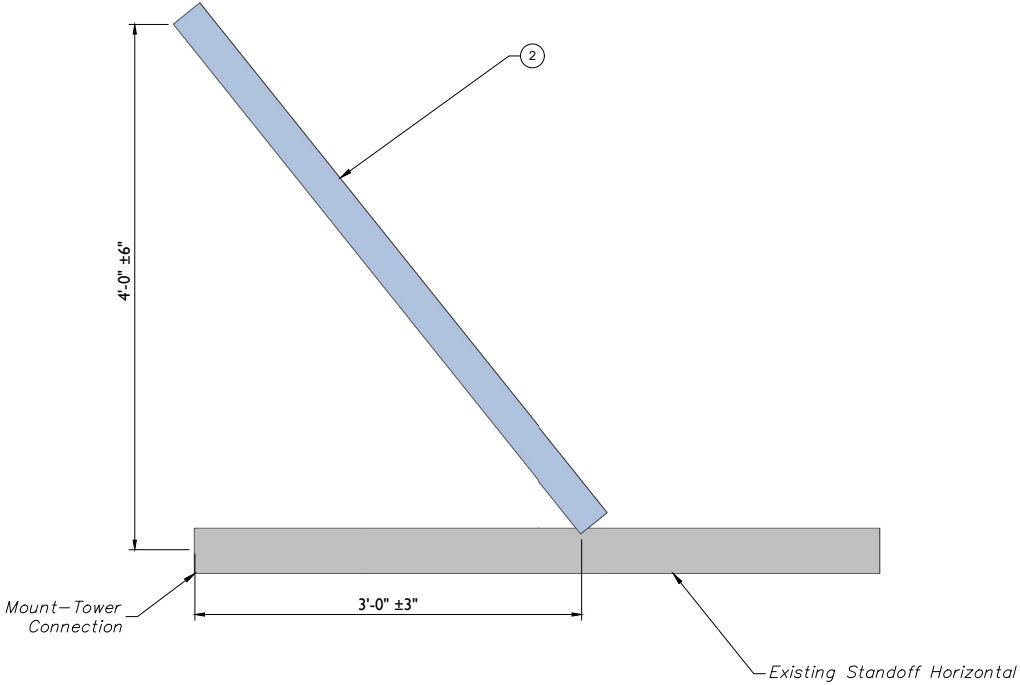


PROPOSED
RELOCATED
EXISTING

MOUNT MODIFICATION SCHEDULE				
NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	124'-6"	1	PROPOSED SUPPORT RAIL KIT (PART #: VZWSMART-PLK1)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
2		1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
3				
4				
5				
6				
7				
8				
9				
10				
<u>NOTES.</u>				
MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.				



1 PROPOSED ISOMETRIC VIEW
SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)
SCALE : N.T.S.

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SCALE : AS SHOWN JOB NUMBER: 21777518A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	7/30/2021	ISSUED FOR CONSTRUCTION	AJH	DX

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SITE NAME:

ENFIELD 4 CT
535791
400 ECOLOGY RD
ENFIELD, CT 06082
HARTFORD COUNTY

MT. LAUREL OFFICE
2000 Midland Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1130

SHEET TITLE:

MODIFICATION DETAILS

SHEET NUMBER:

SS-1



MOUNT PHOTO 1



MOUNT PHOTO 2



MOUNT PHOTO 3



MOUNT PHOTO 4



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SITE NAME:

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HARTFORD COUNTY



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

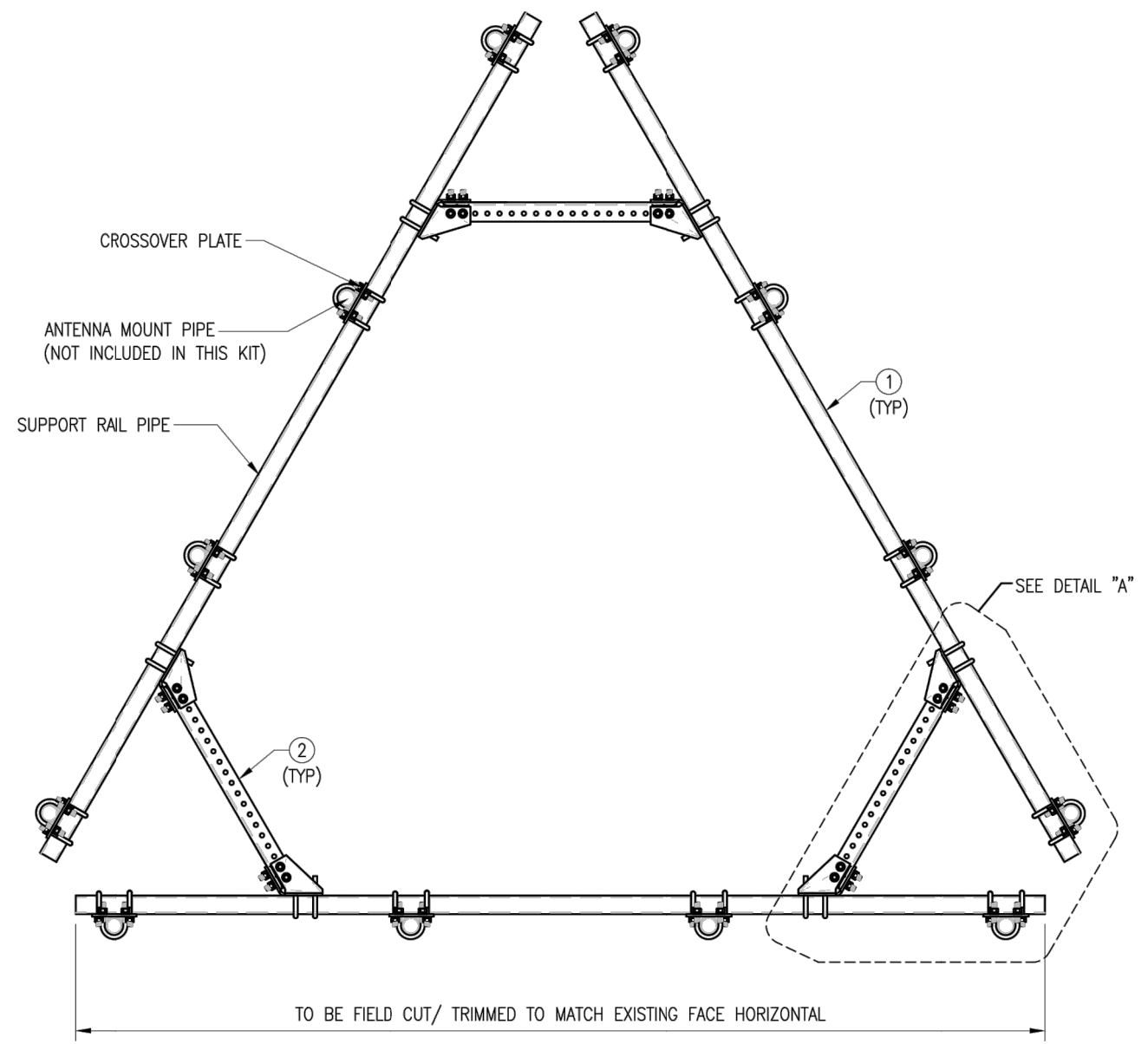
Phone: 856.797.0412
Fax: 856.722.1130

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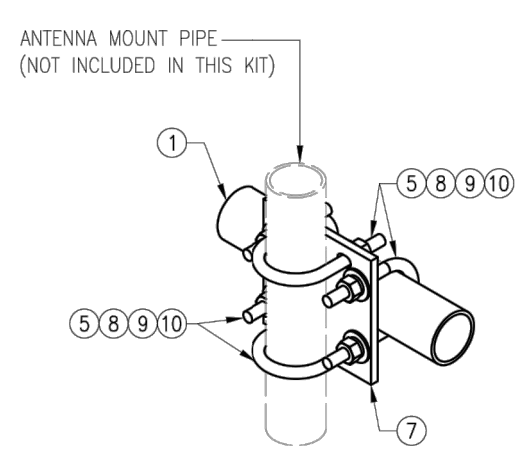
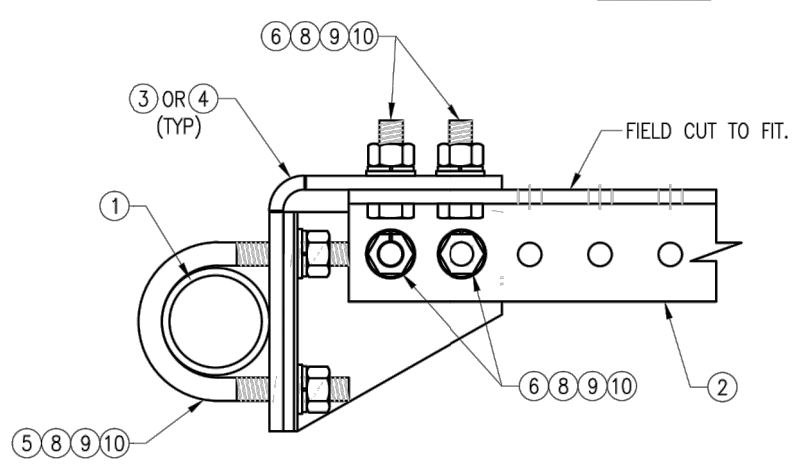
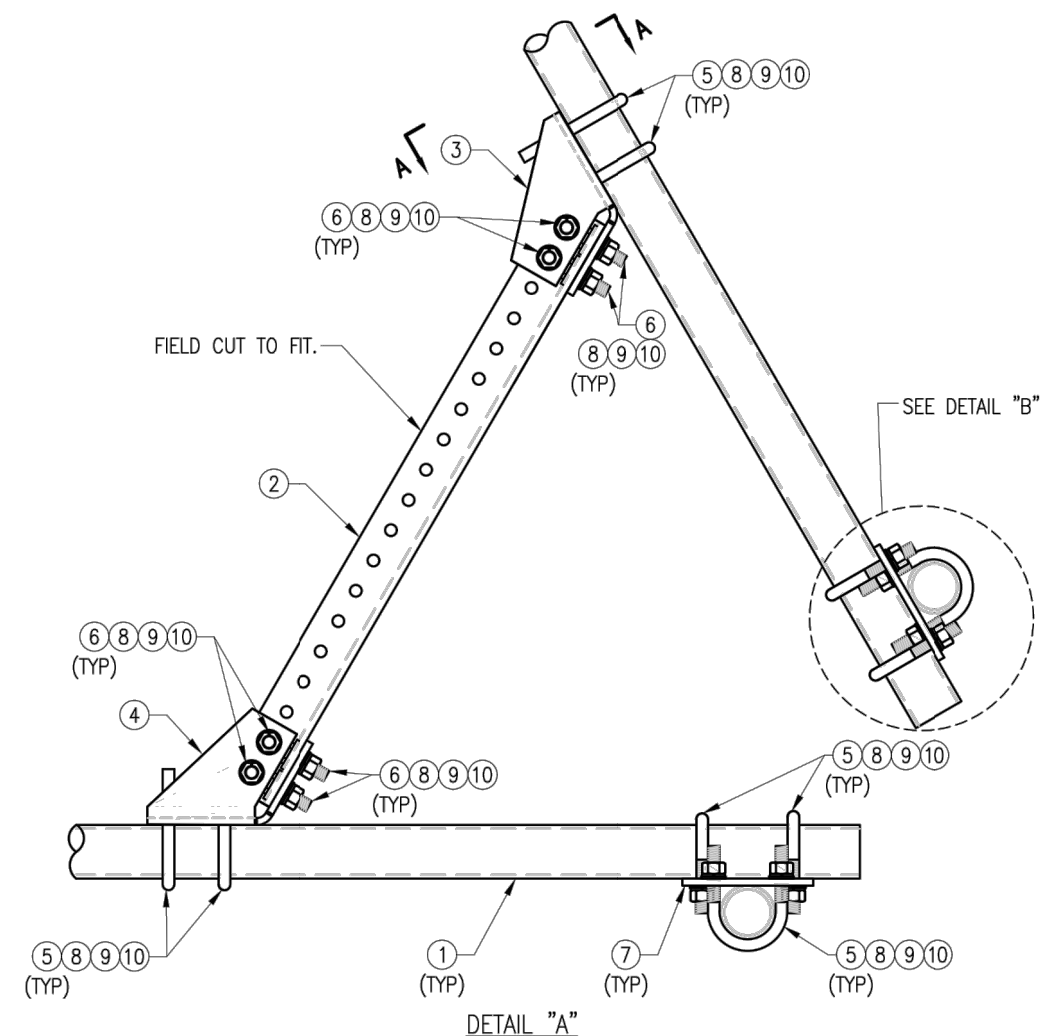
MOUNT PHOTOS

SHEET NUMBER:

SS-2



PLAN VIEW



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

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

DRAWN BY: H.R. CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	H.R.	05/08/20
2			
3			
4			

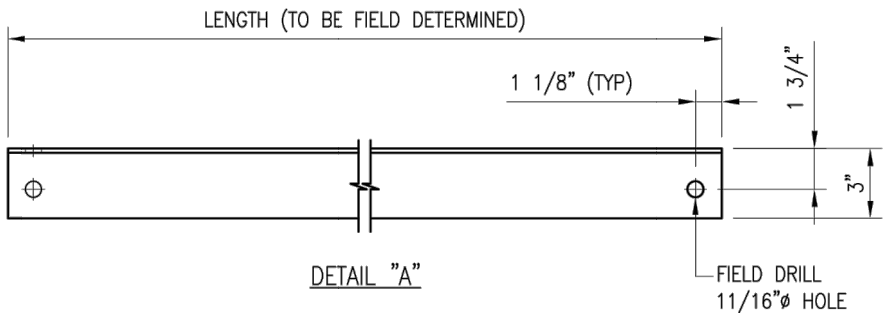
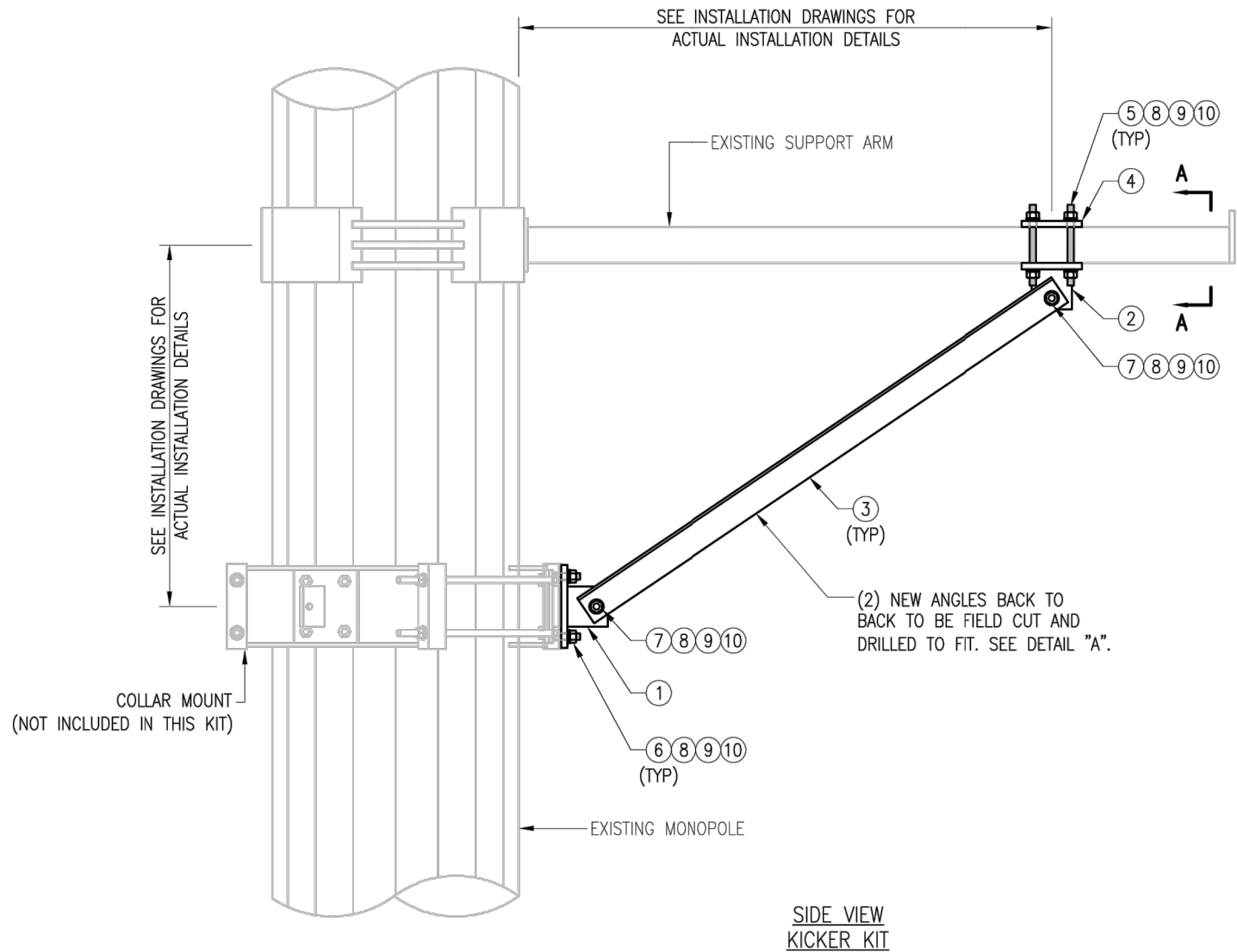
SHEET TITLE:

VZWSMART-PLK1
SUPPORT RAIL KIT

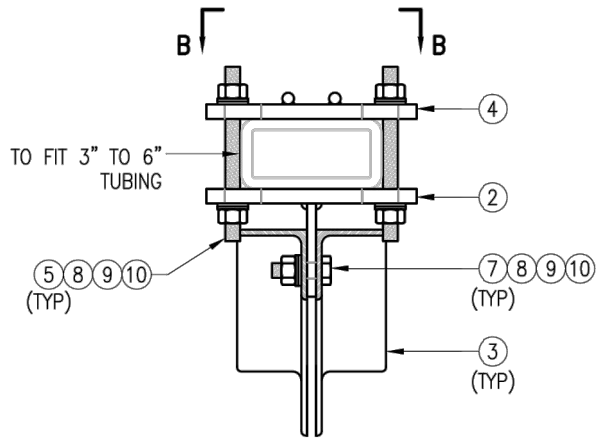
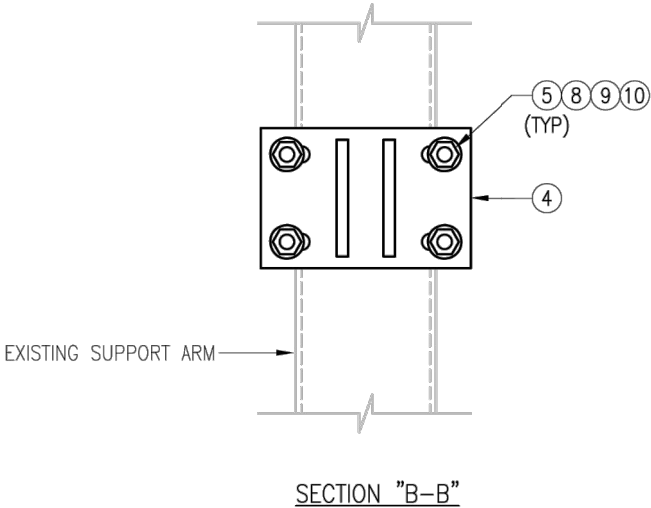
SHEET NUMBER: REV #:

VZWSMART-PLK1 0

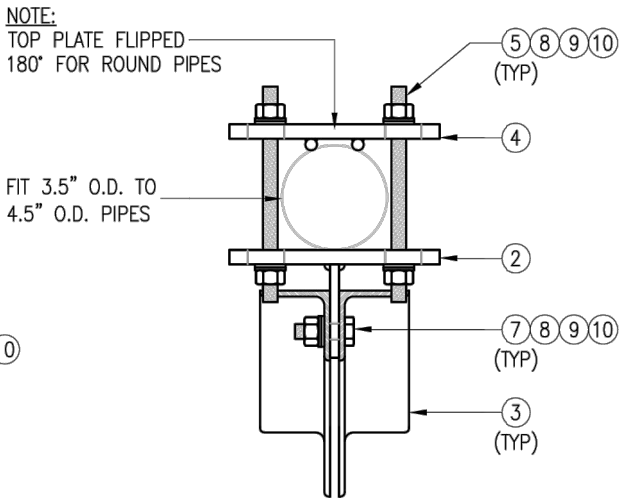
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



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



SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING

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

VzW
SMART Tool[®]
Vendor

verizon

DRAWN BY: MN CHECKED BY: HMA/KW

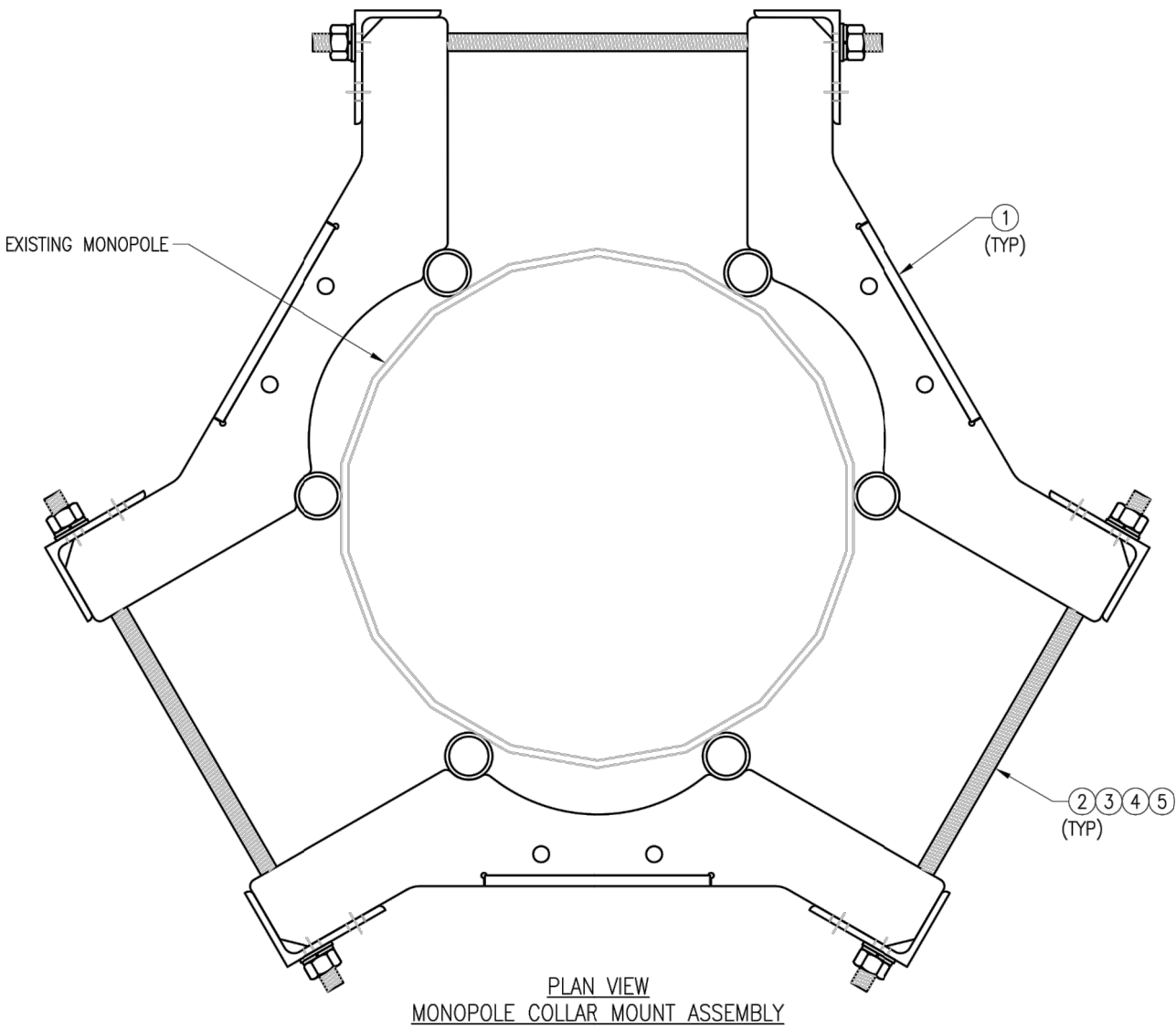
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	MN	05/08/20
2			
3			
4			

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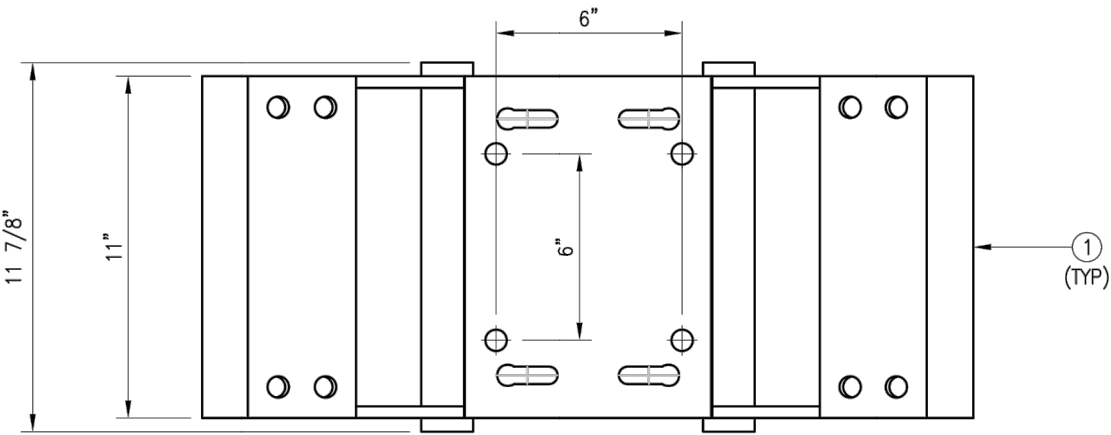
VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: REV #:

VZWSMART-PLK5 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

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

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

VzW
SMART Tool[®]
Vendor



DRAWN BY: BT CHECKED BY: HMA/KW

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

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7 REV #: 0

Site Name: **ENFIELD 4 CT**

Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	685	2742	130	0.0058	0.5007	1.17%
VZW CDMA	878.49	2	445	889	130	0.0019	0.5857	0.32%
VZW Cellular	874	4	690	2761	130	0.0059	0.5827	1.01%
VZW PCS	1975	4	1469	5876	130	0.0125	1.0000	1.25%
VZW AWS	2120	4	1633	6532	130	0.0139	1.0000	1.39%
VZW CBRS	3625	4	12	48	130	0.0001	1.0000	0.01%
VZW CBAND	3730.005	4	6531	26125	130	0.0556	1.0000	5.56%

Total Percentage of Maximum Permissible Exposure

10.73%

*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

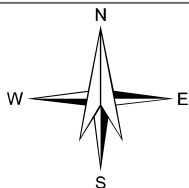
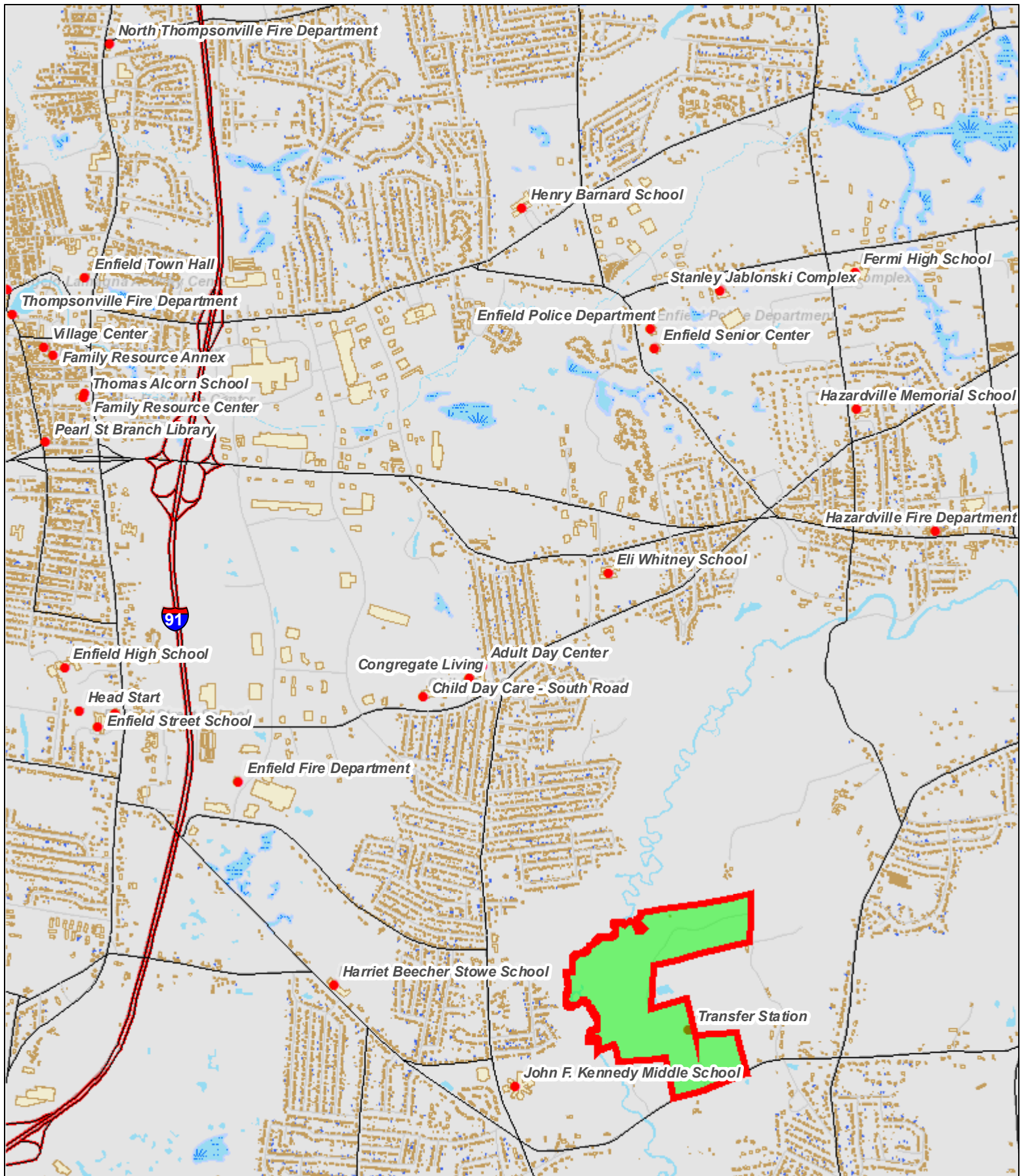
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.



77 Town Farm Road

0 500 1,000 2,000 3,000 4,000 5,000 Feet
1 inch = 2,467 feet



77 TOWN FARM RD

Location	77 TOWN FARM RD	Mblu	071/ / 0003/ /
Acct#	002800010010	Owner	ENFIELD TOWN OF
Assessment	\$1,329,970	Appraisal	\$1,899,950
PID	4350	Building Count	2
Fire District	1		

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2020	\$802,530	\$1,097,420	\$1,899,950
Assessment			
Valuation Year	Improvements	Land	Total
2020	\$561,770	\$768,200	\$1,329,970

Owner of Record

Owner	ENFIELD TOWN OF	Sale Price	\$0
Co-Owner	REFUSE AREA (DUMP)	Certificate	1
Address	820 ENFIELD ST	Book & Page	0000/0000
	ENFIELD, CT 06082	Sale Date	
		Instrument	

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
ENFIELD TOWN OF	\$0	1	0000/0000		

Building Information

Building 1 : Section 1

Year Built:	1970
Living Area:	160
Replacement Cost:	\$7,069
Building Percent Good:	56

Replacement Cost
Less Depreciation: \$3,960

Building Attributes	
Field	Description
Style:	Job Shop
Model	Ind/Comm
Grade	Minimum
Stories:	1
Occupancy	1.00
Exterior Wall 1	Pre-finish Metl
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Minimum/Plywd
Interior Floor 2	
Heating Fuel	Electric
Heating Type	Electr Basebrd
AC Type	None
Struct Class	
Bldg Use	Exempt Comm
Total Rooms	
Total Bedrms	
Total Baths	
Total H Bths	
Extra Fixtures	
1st Floor Use:	
Heat/AC	
Frame Type	Steel
Baths/Plumbing	None
Ceiling/Wall	Ceil Walls
Rooms/Prtns	Average
Wall Height	7.00
% Comn Wall	

Building 2 : Section 1

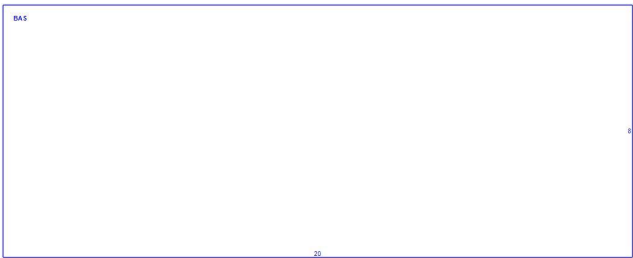
Year Built:
Living Area: 0
Replacement Cost: \$0
Building Percent Good:
Replacement Cost
Less Depreciation: \$0

Building Photo



(<http://images.vgsi.com/photos2/EnfieldCTPhotos//00\01\68\96.jpg>)

Building Layout



(ParcelSketch.ashx?pid=4350&bid=4350)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	160	160
		160	160

Building Attributes : Bldg 2 of 2	
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:	
Full Bthrms:	
Half Baths:	
Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Extra Kitchens	
Fireplace(s)	
Extra Opening(s)	
Gas Fireplace(s)	
Blocked FPL(s)	
Bsmt Garage(s)	
Fin Bsmt	
FBM Quality	
Whirlpool(s)	
Sauna	
Walk Out	
Solar	
Fndtn Cndtn	
Basement	

Building Photo



(<http://images.vgsi.com/photos2/EnfieldCTPhotos/default.jpg>)

Building Layout

 Building Layout (ParcelSketch.ashx?pid=4350&bid=30274)

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	Land Line Valuation
Use Code Description Zone Neighborhood Alt Land Appr Category 930 Exempt Ind R88 C500 No	Size (Acres) Frontage Depth Assessed Value Appraised Value 173.60 1513 \$768,200 \$1,097,420

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SHD1	Shed	MS	Masonry	100.00 S.F.	\$820	1
SCL2	SCALES-ELECT			60.00 TONS	\$23,100	1
TWR2	Cell Twr 2 Carriers			1.00 UNITS	\$206,250	2
SHD1	Shed	MS	Masonry	140.00 S.F.	\$1,760	1
TWR4	Cell Twr4 Carriers			1.00 UNITS	\$562,500	2
FN3	FENCE-8' CHAIN			256.00 L.F.	\$4,140	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$802,530	\$1,097,420	\$1,899,950
2018	\$802,530	\$1,097,420	\$1,899,950
2017	\$802,530	\$1,097,420	\$1,899,950

Assessment			
Valuation Year	Improvements	Land	Total
2019	\$561,770	\$768,200	\$1,329,970
2018	\$561,770	\$768,200	\$1,329,970
2017	\$561,770	\$768,200	\$1,329,970