STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

November 15, 2021

John Coleman
Project Manager
Centerline Communications, LLC
750 West Center Street, Suite 301
West Bridgewater, MA 02379
jcoleman@clinellc.com

RE: **EM-VER-063-210819** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 185 West Fisk Road, Hampton, Connecticut.

Dear Mr. Coleman:

The Connecticut Siting Council (Council) is in receipt of your correspondence of November 9, 2021, submitted in response to the Council's October 18, 2021 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

Melanie Bachman
Executive Director

MAB/CMW/laf

From: John Coleman <jcoleman@clinellc.com>
Sent: Tuesday, November 9, 2021 2:10 PM
To: CSC-DL Siting Council <Siting.Council@ct.gov>
Cc: Sharon Bateman <sbateman@clinellc.com>
Subject: EM-VER-063-210819 / VZW Exempt Modification filing / Hampton CT (10029 / 13668799) / Hampton CT / 468242 / Correction Filing

CDC – DL Siting Council,

Please find attached the electronic copy in response to the Incomplete Memo with the original filing for Verizon Wireless' Exempt Modification at its 185 West Fisk Road, Hampton, CT monopole tower facility Hampton CT in Hampton.

Attached

- EM-VER-063-210819
- Corrections filing with requested documents

Should you need any further information concerning this request, please reach out to me at any time. I appreciate your consideration.

John Coleman

John Coleman | Project Manager
750 W Center St, Suite 301 | West Bridgewater, MA 02379
Mobile: 240.615.7389
jcoleman@clinellc.com | www.centerlinecommunications.com

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

November 9, 2021

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

RE: EM-VER-063-210819 – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 185 West Fisk Road, Hampton, CT.

Dear Ms. Bachman,

In response to the Council's Incomplete Letter to modify an existing telecommunications facility dated October 4, 2021 for the afore mentioned site, please see the following attachments as outlined below per Councils request:

1. Original Facility Approval with Municipality, City of Hampton.

2. Proof of mailing and delivery confirmation to Chief Elected Official: First Selectman, Alan Cahill.
    a. UPS Label: 1Z9Y45030300979458
    b. Delivery Confirmation dated: 09/16/21 – 10:43 a.m.

3. Proof of mailing and delivery confirmation to Zoning Official: Jay Gigliotti.
    a. UPS Label: Address is same location as Chief Elected Official.
    b. Delivery Confirmation dated: 09/16/21 – 10:43 a.m.

4. Proof of mailing and delivery confirmation to Property Owner: Land Management, ATC.
    a. UPS Label: 1Z9Y45030307427577
    b. Delivery Confirmation dated: 10/14/21 – 11:19 a.m.

5. The Original Filing sent to the CSC on 8/11/2021 – Notice of Exempt Modification // Site: Hampton CT (ATC: 10029) Cellco Partnership d/b/a/ Verizon Wireless.

This list completes the items listed in the afore mentioned Letter of Incompleteness. I appreciate your time and consideration.

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

HAMPTON PLANNING & ZONING COMMISSION
SPECIAL MEETING
April 5, 1999

Members Present: Bob Inman, Chair
Ed Adelman
Gay Wagner
Bill Koennicke, for Phil Russell
Bob Burgoyne, for Brian Caya

Others Present: Martha Fraenkel, Zoning Enforcement Officer

The Special Meeting of the Hampton Planning & Zoning Commission was called to order at 7:43 by Chairman Bob Inman.

1. Chair Bob Inman read a letter dated April 5, 1999 from the Town Attorney, Carole Briggs, stating that "the co-location provision cannot be imposed on either application at the present time because there is no existing or approved tower onto which either proposed use could co-locate." Discussion followed. There is no basis in the regulations for approval of one application and the denial of the other. Since both applications were received simultaneously neither application takes precedence over the other. It was the consensus of the Commission that additional legal consultation was not needed. Zoning Enforcement Officer, Martha Fraenkel stated that both applicants meet the requirements as put forth in the regulations.

2. A motion was made to approve the application for a special permit for a telecommunications facility on Fisk Road, Charles Halbach, owner-applicant/Cordless Data Transfer, agent, by Ed Adelman; seconded by Bob Burgoyne. Discussion followed regarding power access to the site, landscaping requirements, & bond amounts for removal of structures. The motion was tabled until the next regularly scheduled meeting on April 26th at 7:30 PM. Type of bond and amount of bond need to be researched.

3. A motion was made to approve the application for a special permit for a telecommunications facility by American Tower Corporation on Fisk Road by Ed Adelman; seconded by Bob Burgoyne. Discussion followed regarding power access to the site across private land and bond amounts for removal of structures. The motion was tabled until the next regularly scheduled meeting on April 26th at 7:30 PM. Type of bond and amount of bond need to be researched.

A motion was made to adjourn by Bob Burgoyne; seconded by Bill Koennicke; motion approved unanimously.

Sincerely,

Jan Luke
Recording Secretary

RECEIVED FOR RECORD THIS 8th
DAY OF April A.D. 1999
at 3:30 PM

185 W. Fisk Rd

TOWN OF HAMPTON
PLANNING AND ZONING COMMISSION
SPECIAL PERMIT

This is to certify that the land use of telecommmunications facility, including a 160 foot tower on the property of Charles Halbach Trust on the south side of Fisk Road and Nextel wireless telecommunication equipment, including antennas and associated structures, was approved by the Hampton Planning and Zoning Commission on April 26, 1999.

Robert Inman
Chairman, Hampton PZC

4/7/00
date

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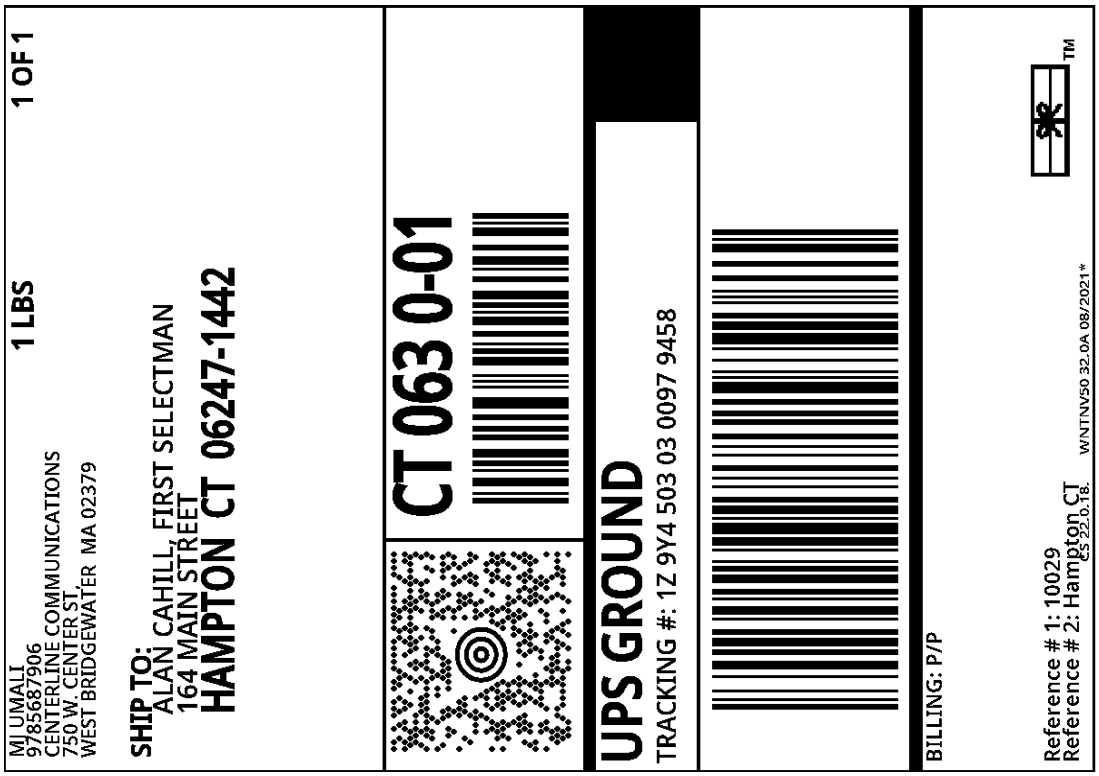

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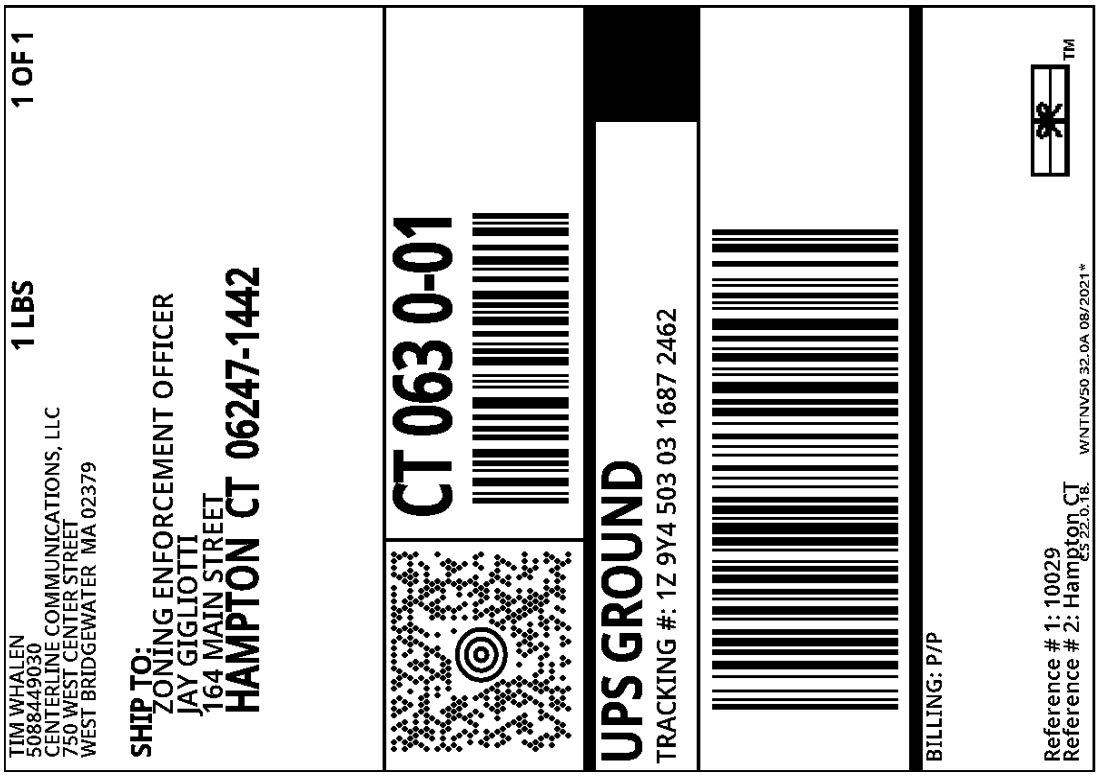

Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number
1Z9Y45030300979458

Weight
1.00 LBS

Service

UPS Ground

Shipped / Billed On
08/13/2021

Delivered On

09/16/2021 10:43 A.M.

Delivered To
HAMPTON, CT, US

Received By

DOOR

Left At
Inside Delivery

Thank you for giving us this opportunity to serve you. Details are only available for shipments delivered within the last 120 days. Please print for your records if you require this information after 120 days.

Sincerely,

UPS

Tracking results provided by UPS: 10/19/2021 9:00 A.M. EST

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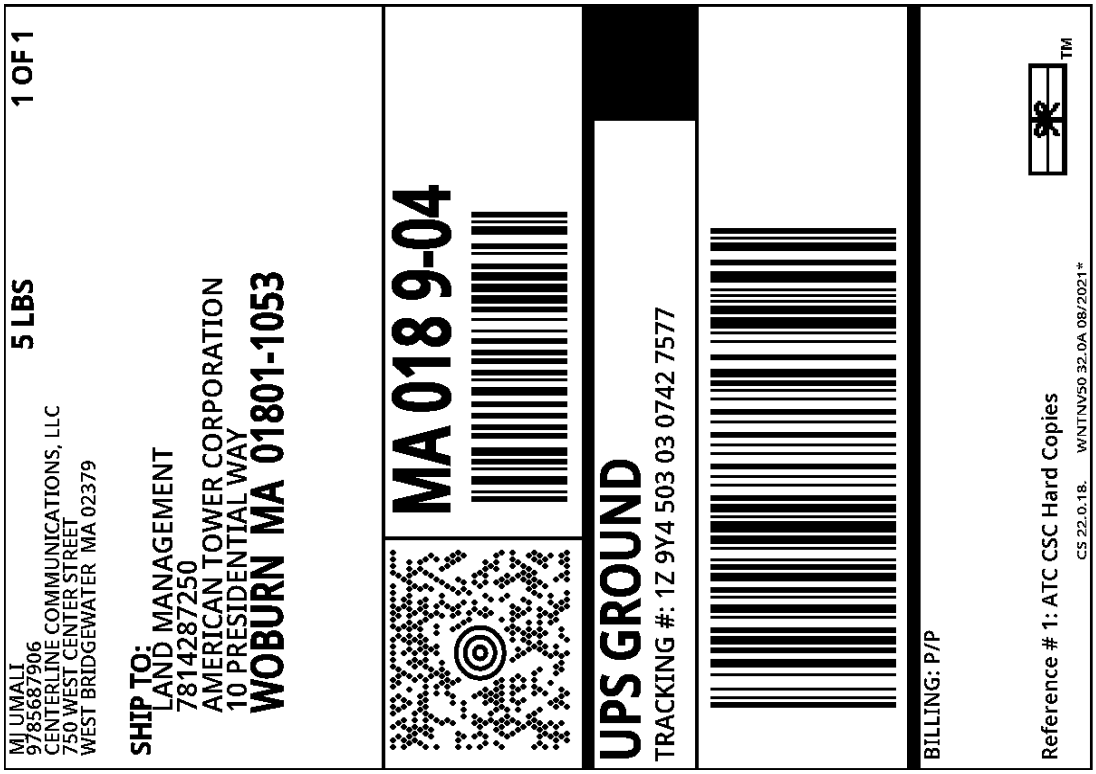

Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number
1Z9Y45030307427577

Weight
5.00 LBS

Service

UPS Ground

Shipped / Billed On
08/13/2021

Delivered On

10/14/2021 11:19 A.M.

Delivered To
WOBURN, MA, US

Received By

ANCRI

Left At
Front Desk

Thank you for giving us this opportunity to serve you. Details are only available for shipments delivered within the last 120 days. Please print for your records if you require this information after 120 days.

Sincerely,

UPS

Tracking results provided by UPS: 10/19/2021 8:58 A.M. EST

Centerline Communications LLC

028227

CONNECTICUT SITING COUNCIL

Check: 28227
Date: 8/11/2021
Vendor: 0

Invoice	P.O. Num.	Invoice Amt	Prior Balance	Retention	Discount	Amt. Paid
531376-004		625.00	625.00	0.00	0.00	625.00
ATC - Verizon-13668799						
		625.00	625.00	0.00	0.00	625.00

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

ROCKLAND TRUST COMPANY
MEDFIELD, MA 02052

53-447/113

028227

28227

DATE 8/11/2021

AMOUNT **********625.00

PAY TO THE ORDER OF CONNECTICUT SITING COUNCIL

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

VOID AFTER 90 DAYS

AUTHORIZED SIGNATURE

Security features. Details on back

⑈028227⑈ ⑆

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

August 11, 2021

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

RE: Notice of Exempt Modification // Site: HAMPTON CT (ATC: 10029)
185 Fisk Road, Hampton CT 06247
N 41.7699 // W 72.0706

Dear Ms. Bachman:

,
Cellco Partnership d/b/a Verizon Wireless currently maintains 6 antennas at the 140-ft level on the existing 160-foot monopole tower, located at 185 Fisk Road, Hampton, CT. The tower is owned by American Tower. The property is also owned by American Tower. Verizon Wireless now intends to remove 6 antennas and install 9 new ones for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless will remove 3 Sector Frames and install 3 new ones, remove 6 Diplexers and replace with 3 new ones, remove 2 15/8' Coax Cables, install 9 Remote Radio Heads (RRHs), 1 OVP, and 2 15/8" 6x12 Li Hybrid Cables; altogether updating leased equipment rights, as reflected by the final configuration outlined in the structural analysis and proposed hereby.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Alan Cahill, First Selectman for Town of Hampton, CT, its Zoning Enforcement Officer, Jay Gigliotti, and American Tower, the tower and the property owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2). Enclosed to accommodate this filing are construction drawings dated July 21, 2021, by Dewberry Engineers, INC., a structural analysis dated May 3, 2021, by A.T. Engineering Service, PLLC., and a structural mount analysis by Maser Consulting Connecticut date June 24, 2021, and radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

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

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

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

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

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

6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis by A.T. Engineering Service, PLLC., dated May 3, 2021, and a structural mount analysis by Maser Consulting Connecticut, dated June 24, 2021, pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final construction drawings, signed and stamped dated July 21, 2021.

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

Sincerely,

MJ Umali

_____

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

Attachments

cc: Alan Cahill, First Selectman – Town of Hampton, CT – Chief Elected Official
Jay Gigliotti, Zoning Enforcement Officer - as P&Z official
American Tower Corporation - as tower owner & ground owner

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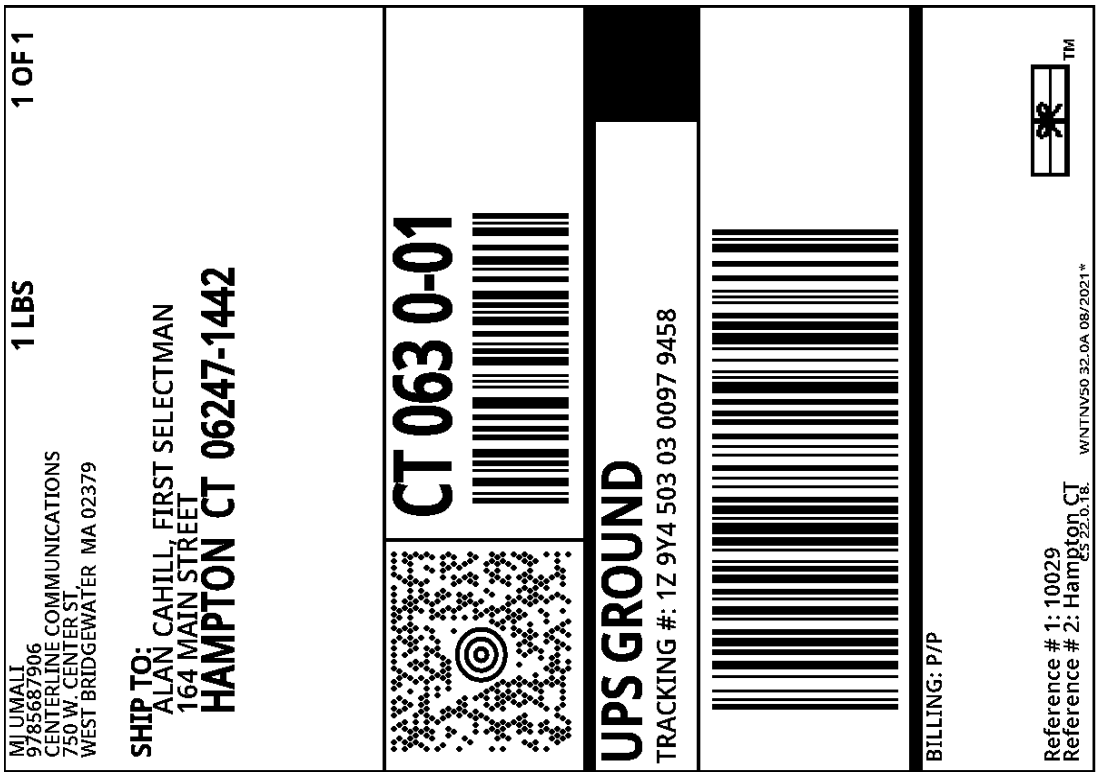

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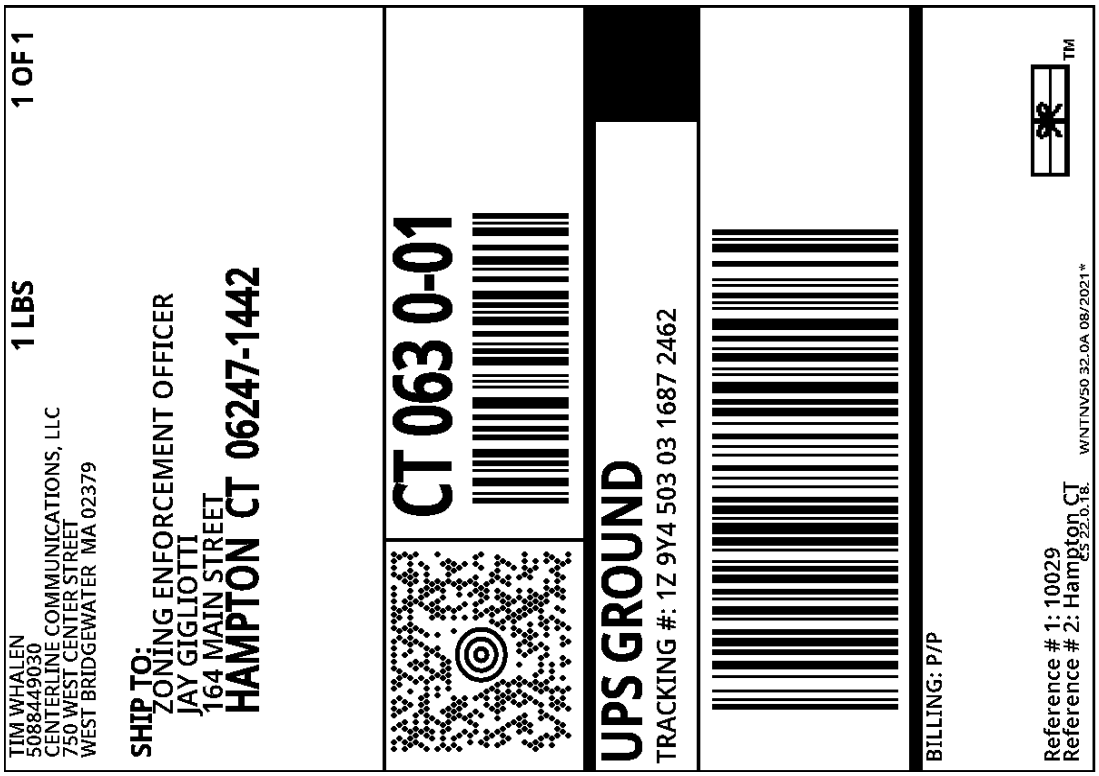

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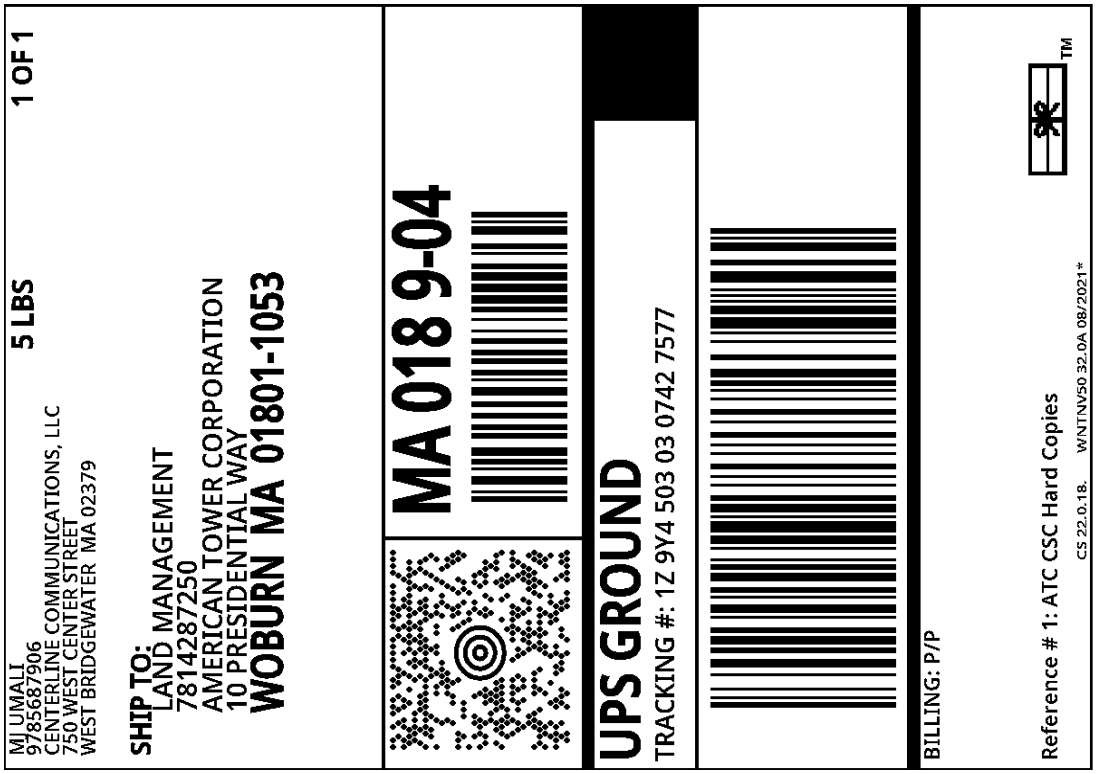


AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	**160 ft Guyed Tower**
ATC Site Name	:	**HAMPTON CT, CT**
ATC Asset Number	:	**10029**
Engineering Number	:	**13668799_C3_01**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**HAMPTON CT**
Carrier Site Number	:	**468242**
Site Location	:	**185 Fisk Road** **Hampton, CT 06247-1305** **41.769900,-72.070600**
County	:	**Windham**
Date	:	**May 3, 2021**
Max Usage	:	**52%**
Result	:	**Pass**

Prepared By:
Brian Davies, E.I.
Structural Engineer II

Reviewed By:

COA: PEC.0001553

AMERICAN TOWER®
CORPORATION

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 160 ft guyed tower to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	Fred A. Nudd Corporation Project #6606, dated February 17, 1999
Foundation Drawing	Fred A. Nudd Corporation Dwg #99-6606-2, dated February 17, 1999 ATC Pier Measurements, dated January 3, 2013
Geotechnical Report	GEOServices Project #21-07254, dated February 16, 2008

Analysis

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

Basic Wind Speed:	121 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Code:	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Spectral Response:	Ss = 0.19, 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	9	Allgon 7120.16.05.00 / A-800-110-13I-0-N	Sector Frame	(9) 1 1/4" Coax	SPRINT NEXTEL
155.0	3	Ericsson Radio 4449 B71 B85A	Sector Frame	(3) 1 5/8" Hybriflex	
	3	Ericsson RRUS 4415 B66			
	3	Ericsson 4424 B25			
	3	Ericsson Air6449 B41			
	3	RFS APX16DWV-16DWVS-E-A20			
	3	RFS APXVAALL24 43-U-NA20			
140.0	6	Amphenol Antel LPA-80080-4CF-EDIN-0	Leg/Flush	(10) 1 5/8" Coax	VERIZON WIRELESS
130.0	2	Raycap DC6-48-60-18-8F(32.8 lbs)	Sector Frame	(3) 0.39" (10mm) Fiber Trunk (2) 0.78" (19.7mm) 8 AWG 6 (4) 0.95" (24.2mm) Cable (12) 1 1/4" Coax	AT&T MOBILITY
	3	Ericsson Radio 8843 - B2 + B66A			
	6	Powerwave Allgon LGP17201			
	3	Ericsson RRUS 4449 B5, B12			
	3	Allgon 7770.00			
	3	CCI HPA65R-BU8A			
	3	CCI DMP65R-BU8D			
75.0	1	Lucent KS-24019	Leg/Flush	(1) 7/8" Coax	VERIZON WIRELESS

Equipment to be Removed

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
140.0	6	RFS FD9R6004/2C-3L	-	(2) 1 5/8" Coax	VERIZON WIRELESS
	3	Amphenol Antel BXA-70063-6CF-EDIN-X			
	3	Amphenol Antel BXA-171085-8BF-EDIN-X			

Proposed Equipment

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
140.0	3	Commscope CBC78T-DS-43-2X	Sector Frame	(2) 1 5/8" Hybriflex	VERIZON WIRELESS
	3	Samsung B2/B66A RRH-BR049			
	3	Samsung B5/B13 RRH-BR04C			
	1	Raycap RCMDC-6627-PF-48			
	3	Samsung MT6407-77A			
	6	Commscope JAHH-65B-R3B			

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

Install proposed coax alongside existing VERIZON WIRELESS coax.

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:

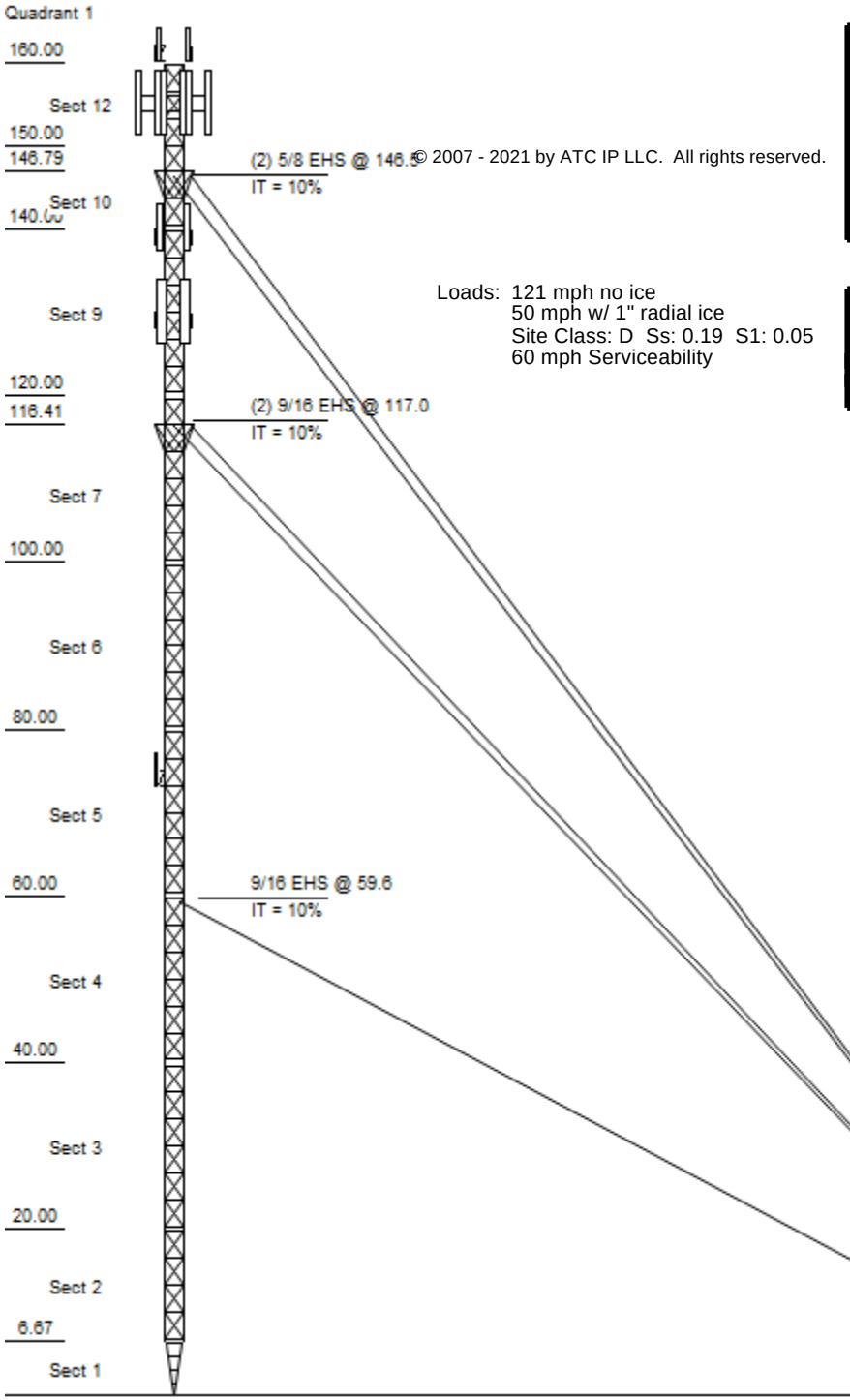
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

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.



Loads: 121 mph no ice
50 mph w/ 1" radial ice
Site Class: D Ss: 0.19 S1: 0.05
60 mph Serviceability

Job Information

Client : VERIZON WIRELESS					
Tower : 10029		Location :	HAMPTON CT, CT	Base Width :	3.50 ft
Code : ANSI/TIA-222-H		Topo Method:	Method 1		
Risk Cat : II		Topo:	1	Tower Ht :	160.00 ft
		Exposure :	B	Shape :	Triangle

Sections Properties

Section	Leg Members	Diagonal Members	Horizontal Members
1	PST 55 ksi 2-1/2" DIA PIPE		SAE 36 ksi 2.5X2.5X0.25
2 - 12	PST 55 ksi 2-1/2" DIA PIPE	SOL 36 ksi 5/8" SOLID	SAE 36 ksi 1.5X1.5X0.1875

Discrete Appurtenance

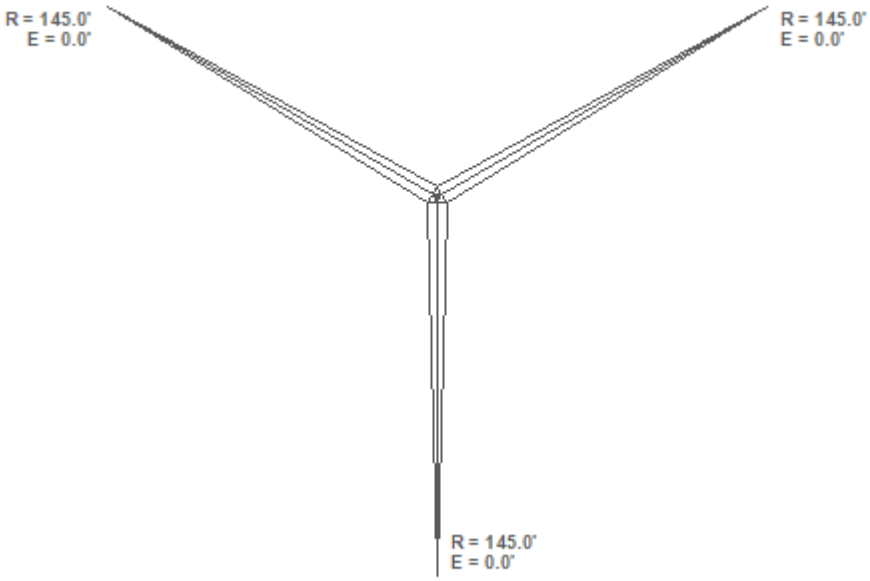
Elev (ft)	Type	Qty	Description
162.00	Panel	9	Allgon 7120.16.05.00 / A-800-1
160.00	Mounting Frame	3	Flat Light Sector Frames
160.00	Straight Arm	3	Delta Mount
155.00	Mounting Frame	3	VFA10-HD3L4NP Sector Frame
155.00	Panel	3	RFS APX16DWV-16DWVS-E-A20
155.00	Panel	3	RFS APXVAALL24 43-U-NA20
155.00	Panel	3	Ericsson Air6449 B41
155.00		3	Ericsson 4424 B25
155.00		3	Ericsson RRUS 4415 B66
155.00		3	Ericsson Radio 4449 B71 B85A
147.00	Other	1	Torque Arms
144.00	Mounting Frame	3	Flat Light Sector Frames
140.00	Panel	6	Commscope JAHH-65B-R3B
140.00	Panel	6	Amphenol Antel LPA-80080-4CF-E
140.00	Panel	3	Samsung MT6407-77A
140.00		1	Raycap RCMDC-6627-PF-48
140.00		3	Samsung B5/B13 RRH-BR04C
140.00		3	Samsung B2/B66A RRH-BR049
140.00		3	Commscope CBC78T-DS-43-2X
133.00	Mounting Frame	3	Flat Light Sector Frames
130.00	Panel	3	CCI DMP65R-BU8D
130.00	Panel	3	CCI HPA65R-BU8A
130.00	Panel	3	Allgon 7770.00
130.00		3	Ericsson RRUS 4449 B5, B12
130.00		6	Powerwave Allgon LGP17201
130.00		3	Ericsson Radio 8843 - B2 + B66
130.00		2	Raycap DC6-48-60-18-8F(32.8 lb
117.00	Other	1	Torque Arms
75.00	Whip	1	Lucent KS-24019

Linear Appurtenance

Elev (ft) From	To	Qty	Description
10.00	162.00	9	1 1/4" Coax
0.00	155.00	3	1 5/8" Hybriflex
10.00	140.00	10	1 5/8" Coax
0.00	140.00	2	1 5/8" Hybriflex
10.00	130.00	12	1 1/4" Coax
10.00	130.00	2	0.78" (19.7mm) 8 AWG
10.00	130.00	1	0.39" (10mm) Fiber T
0.00	130.00	2	0.95" (24.2mm) Cable
0.00	130.00	2	0.95" (24.2mm) Cable
0.00	130.00	1	0.39" (10mm) Fiber T
0.00	130.00	1	0.39" (10mm) Fiber T
10.00	75.00	1	7/8" Coax

Job Information

Client :	VERIZON WIRELESS				
Tower :	10029	Location :	HAMPTON CT, CT	Base Width :	3.50 ft
Code :	ANSI/TIA-222-H	Topo Method:	Method 1		
Risk Cat :	II	Topo:	1	Tower Ht :	160.00 ft
		Exposure :	B	Shape :	Triangle



Guy Anchor Design Loads

Radius (ft)	Drop (ft)	Azimuth (°)	Uplift (kip)	Shear (kip)
145.00	0.00	0	14.91	18.82
145.00	0.00	240	28.36	35.83
145.00	0.00	120	22.49	28.51

Global Base Foundation Design Loads

Vertical (kip)	Horizontal (kip)
106.65	1.74

Site Number:	10029	Code:	ANSI/TIA-222-H	
Site Name:	HAMPTON CT, CT	Engineering Number:	13668799_C3_01	5/3/2021 3:31:29 PM
Customer:	VERIZON WIRELESS			

Analysis Parameters

Location:	Windham County, CT	Height (ft):	160
Code:	ANSI/TIA-222-H	Base Elevation (ft):	0.00
Shape:	Triangle	Bottom Face Width (ft):	3.50
Tower Manufacturer:	Nudd Corporation	Top Face Width (ft):	3.50
Tower Type:	Guyed		
Kd:	0.85		
Ke:	0.98		

Ice & Wind Parameters

Exposure Category:	B	Design Windspeed Without Ice:	121 mph
Risk Category:	II	Design Windspeed With Ice:	50 mph
Topographic Factor Procedure:	Method 1	Operational Windspeed:	60 mph
Topographic Category:	1	Design Ice Thickness:	1.00 in
Crest Height:	0 ft	HMSL:	611.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil				
Period Based on Rayleigh Method (sec):	0.65				
T_L (sec):	6	p:	1	C_S:	0.044
S_S:	0.185	S_1:	0.054	C_S, Max:	0.044
F_a:	1.600	F_V:	2.400	C_S, Min:	0.030
S_{ds}:	0.197	S_{d1}:	0.086		

Load Cases

1.2D + 1.0W Normal	121 mph Normal with No Ice
1.2D + 1.0W 60 deg	121 mph 60 degree with No Ice
1.2D + 1.0W 90 deg	121 mph 90 degree with No Ice
1.2D + 1.0Di + 1.0Wi Normal	50 mph Normal with 1.00 in Radial Ice
1.2D + 1.0Di + 1.0Wi 60 deg	50 mph 60 deg with 1.00 in Radial Ice
1.2D + 1.0Di + 1.0Wi 90 deg	50 mph 90 deg with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh Normal	Seismic Normal
1.2D + 1.0Ev + 1.0Eh 60 deg	Seismic 60 deg
1.2D + 1.0Ev + 1.0Eh 90 deg	Seismic 90 deg
1.0D + 1.0W Service Normal	Serviceability - 60 mph Wind Normal
1.0D + 1.0W Service 60 deg	Serviceability - 60 mph Wind 60 deg
1.0D + 1.0W Service 90 deg	Serviceability - 60 mph Wind 90 deg

Tower Loading

Discrete Appurtenance Properties 1.2D + 1.0W

Elevation (ft)	Description	Qty	Wt. (lb)	EPA (sf)	Length (ft)	Width (in)	Depth (in)	K_a	Orient. Factor	Vert. Ecc.(ft)	M_u (lb-ft)	Q_z (psf)	F_a (WL) (lb)	P_a (DL) (lb)
162.0	Allgon 7120.16.05.00	9	15	5.3	4.3	7.9	11.4	0.80	0.70	0.0	0.0	35.35	805	166
160.0	Delta Mount	3	150	6.3	0.0	0.0	0.0	0.75	0.67	0.0	0.0	35.22	284	540
160.0	Flat Light Sector	3	400	17.9	0.0	0.0	0.0	0.75	0.67	0.0	0.0	35.22	808	1440
155.0	Ericsson 4424 B25	3	86	2.1	1.4	14.4	11.3	0.80	0.67	0.0	0.0	34.90	98	310
155.0	Ericsson Air6449	3	104	5.7	2.8	20.6	8.6	0.80	0.63	0.0	0.0	34.90	255	374
155.0	Ericsson Radio 4449	3	75	1.6	1.3	13.2	10.5	0.80	0.50	0.0	0.0	34.90	59	270
155.0	Ericsson RRUS 4415	3	46	1.6	1.3	13.2	5.4	0.80	0.50	0.0	0.0	34.90	59	166
155.0	RFS APX16DWV-	3	41	6.6	4.7	13.3	3.1	0.80	0.60	0.0	0.0	34.90	281	147
155.0	RFS APXVAALL24	3	123	20.2	8.0	24.0	8.5	0.80	0.63	0.0	0.0	34.90	908	442
155.0	VFA10-HD3L4NP	3	500	29.3	0.0	0.0	0.0	0.75	0.75	0.0	0.0	34.90	1467	1800
147.0	Torque Arms	1	500	15.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	34.38	438	600
144.0	Flat Light Sector	3	400	17.9	0.0	0.0	0.0	0.75	0.67	0.0	0.0	34.18	784	1440
140.0	Amphenol Antel LPA-	6	12	5.4	3.9	5.5	13.2	0.80	0.62	2.0	929.8	34.04	465	86
140.0	Commscope	3	21	0.6	0.8	6.9	6.4	0.80	0.50	0.0	0.0	33.90	19	75
140.0	Commscope JAHH-	6	61	9.1	6.0	13.8	8.2	0.80	0.69	0.0	0.0	33.90	870	436
140.0	Raycap RCMDC-	1	32	4.1	2.5	16.5	12.6	0.80	1.00	0.0	0.0	33.90	94	38
140.0	Samsung B2/B66A	3	84	1.9	1.3	15.0	10.0	0.80	0.50	0.0	0.0	33.90	65	304
140.0	Samsung B5/B13	3	70	1.9	1.3	15.0	8.1	0.80	0.50	0.0	0.0	33.90	65	253
140.0	Samsung MT6407-	3	82	4.7	2.9	16.1	5.5	0.80	0.61	0.0	0.0	33.90	199	294
133.0	Flat Light Sector	3	400	17.9	0.0	0.0	0.0	0.75	0.67	0.0	0.0	33.41	766	1440
130.0	Allgon 7770.00	3	35	5.5	4.6	11.0	5.0	0.80	0.65	0.0	0.0	33.19	242	126
130.0	CCI DMP65R-BU8D	3	96	17.9	8.0	20.7	7.7	0.80	0.63	0.0	0.0	33.19	762	345
130.0	CCI HPA65R-BU8A	3	54	11.2	8.0	11.7	7.6	0.80	0.71	0.0	0.0	33.19	540	194
130.0	Ericsson Radio 8843	3	72	1.6	1.3	13.2	10.9	0.80	0.50	0.0	0.0	33.19	56	259
130.0	Ericsson RRUS 4449	3	71	2.0	1.5	13.2	9.4	0.80	0.50	0.0	0.0	33.19	67	256
130.0	Powerwave Allgon	6	31	1.7	1.2	14.4	3.7	0.80	0.50	0.0	0.0	33.19	113	223
130.0	Raycap DC6-48-60-	2	33	1.5	2.0	11.0	11.0	0.80	1.00	0.0	0.0	33.19	66	79
117.0	Torque Arms	1	500	15.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	32.21	411	600
75.00	Lucent KS-24019	1	4	0.9	2.2	3.5	3.2	1.00	1.00	2.0	44.2	28.58	22	5
	Totals	93	10589	706.0									11067	12707

Discrete Appurtenance Properties 1.2D + 1.0Di + 1.0Wi

Elevation (ft)	Description	Qty	Ice Wt (lb)	Ice EPA (sf)	Length (ft)	Width (in)	Depth (in)	K_a	Orient. Factor	Vert. Ecc.(ft)	M_u (lb-ft)	Q_z (psf)	F_a (WL) (lb)	P_a (DL) (lb)
162.0	Allgon 7120.16.05.00	9	111	4.5	4.3	7.9	11.4	0.80	0.70	0.0	0.0	6.04	118	1028
160.0	Delta Mount	3	199	7.9	0.0	0.0	0.0	0.75	0.67	0.0	0.0	6.01	61	687
160.0	Flat Light Sector	3	602	28.0	0.0	0.0	0.0	0.75	0.67	0.0	0.0	6.01	216	2045
155.0	Ericsson 4424 B25	3	135	2.7	1.4	14.4	11.3	0.80	0.67	0.0	0.0	5.96	22	456
155.0	Ericsson Air6449	3	195	6.7	2.8	20.6	8.6	0.80	0.63	0.0	0.0	5.96	52	648
155.0	Ericsson Radio 4449	3	115	2.2	1.3	13.2	10.5	0.80	0.50	0.0	0.0	5.96	13	391
155.0	Ericsson RRUS 4415	3	75	2.2	1.3	13.2	5.4	0.80	0.50	0.0	0.0	5.96	13	253
155.0	RFS APX16DWV-	3	119	8.0	4.7	13.3	3.1	0.80	0.60	0.0	0.0	5.96	59	381
155.0	RFS APXVAALL24	3	384	22.7	8.0	24.0	8.5	0.80	0.63	0.0	0.0	5.96	174	1225
155.0	VFA10-HD3L4NP	3	869	40.9	0.0	0.0	0.0	0.75	0.75	0.0	0.0	5.96	350	2907
147.0	Torque Arms	1	732	21.9	0.0	0.0	0.0	1.00	1.00	0.0	0.0	5.87	110	832
144.0	Flat Light Sector	3	600	27.9	0.0	0.0	0.0	0.75	0.67	0.0	0.0	5.84	209	2040
140.0	Amphenol Antel LPA-	6	88	6.6	3.9	5.5	13.2	0.80	0.62	2.0	194.7	5.81	97	542
140.0	Commscope	3	35	0.9	0.8	6.9	6.4	0.80	0.50	0.0	0.0	5.79	5	118
140.0	Commscope JAHH-	6	194	10.9	6.0	13.8	8.2	0.80	0.69	0.0	0.0	5.79	178	1236
140.0	Raycap RCMDC-	1	116	5.0	2.5	16.5	12.6	0.80	1.00	0.0	0.0	5.79	20	122
140.0	Samsung B2/B66A	3	126	2.5	1.3	15.0	10.0	0.80	0.50	0.0	0.0	5.79	15	430

Tower Loading

140.0	Samsung B5/B13	3	108	2.5	1.3	15.0	8.1	0.80	0.50	0.0	0.0	5.79	15	366
140.0	Samsung MT6407-	3	149	5.7	2.9	16.1	5.5	0.80	0.61	0.0	0.0	5.79	41	495
133.0	Flat Light Sector	3	598	27.8	0.0	0.0	0.0	0.75	0.67	0.0	0.0	5.70	203	2035
130.0	Allgon 7770.00	3	117	6.2	4.6	11.0	5.0	0.80	0.65	0.0	0.0	5.67	46	372
130.0	CCI DMP65R-BU8D	3	320	20.3	8.0	20.7	7.7	0.80	0.63	0.0	0.0	5.67	148	1016
130.0	CCI HPA65R-BU8A	3	207	13.4	8.0	11.7	7.6	0.80	0.71	0.0	0.0	5.67	110	653
130.0	Ericsson Radio 8843	3	112	2.2	1.3	13.2	10.9	0.80	0.50	0.0	0.0	5.67	13	381
130.0	Ericsson RRUS 4449	3	113	2.6	1.5	13.2	9.4	0.80	0.50	0.0	0.0	5.67	15	383
130.0	Powerwave Allgon	6	56	2.2	1.2	14.4	3.7	0.80	0.50	0.0	0.0	5.67	26	374
130.0	Raycap DC6-48-60-	2	73	1.9	2.0	11.0	11.0	0.80	1.00	0.0	0.0	5.67	15	160
117.0	Torque Arms	1	725	21.8	0.0	0.0	0.0	1.00	1.00	0.0	0.0	5.50	102	825
75.00	Lucent KS-24019	1	20	1.5	2.2	3.5	3.2	1.00	1.00	2.0	12.7	4.88	6	20
	Totals	93	20304	914.1									2451	22422

Discrete Appurtenance Properties 1.0D + 1.0W Service

Elevation (ft)	Description	Qty	Wt. (lb)	EPA (sf)	Length (ft)	Width (in)	Depth (in)	K_a	Orient. Factor	Vert. Ecc.(ft)	M_u (lb-ft)	Q_z (psf)	F_a (WL) (lb)	P_a (DL) (lb)
162.0	Allgon 7120.16.05.00	9	15	5.3	4.3	7.9	11.4	0.80	0.70	0.0	0.0	8.69	198	139
160.0	Delta Mount	3	150	6.3	0.0	0.0	0.0	0.75	0.67	0.0	0.0	8.66	70	450
160.0	Flat Light Sector	3	400	17.9	0.0	0.0	0.0	0.75	0.67	0.0	0.0	8.66	199	1200
155.0	Ericsson 4424 B25	3	86	2.1	1.4	14.4	11.3	0.80	0.67	0.0	0.0	8.58	24	258
155.0	Ericsson Air6449	3	104	5.7	2.8	20.6	8.6	0.80	0.63	0.0	0.0	8.58	63	312
155.0	Ericsson Radio 4449	3	75	1.6	1.3	13.2	10.5	0.80	0.50	0.0	0.0	8.58	14	225
155.0	Ericsson RRUS 4415	3	46	1.6	1.3	13.2	5.4	0.80	0.50	0.0	0.0	8.58	14	138
155.0	RFS APX16DWV-	3	41	6.6	4.7	13.3	3.1	0.80	0.60	0.0	0.0	8.58	69	122
155.0	RFS APXVAALL24	3	123	20.2	8.0	24.0	8.5	0.80	0.63	0.0	0.0	8.58	223	368
155.0	VFA10-HD3L4NP	3	500	29.3	0.0	0.0	0.0	0.75	0.75	0.0	0.0	8.58	361	1500
147.0	Torque Arms	1	500	15.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	8.45	108	500
144.0	Flat Light Sector	3	400	17.9	0.0	0.0	0.0	0.75	0.67	0.0	0.0	8.40	193	1200
140.0	Amphenol Antel LPA-	6	12	5.4	3.9	5.5	13.2	0.80	0.62	2.0	228.6	8.37	114	72
140.0	Commscope	3	21	0.6	0.8	6.9	6.4	0.80	0.50	0.0	0.0	8.34	5	62
140.0	Commscope JAHH-	6	61	9.1	6.0	13.8	8.2	0.80	0.69	0.0	0.0	8.34	214	364
140.0	Raycap RCMDC-	1	32	4.1	2.5	16.5	12.6	0.80	1.00	0.0	0.0	8.34	23	32
140.0	Samsung B2/B66A	3	84	1.9	1.3	15.0	10.0	0.80	0.50	0.0	0.0	8.34	16	253
140.0	Samsung B5/B13	3	70	1.9	1.3	15.0	8.1	0.80	0.50	0.0	0.0	8.34	16	211
140.0	Samsung MT6407-	3	82	4.7	2.9	16.1	5.5	0.80	0.61	0.0	0.0	8.34	49	245
133.0	Flat Light Sector	3	400	17.9	0.0	0.0	0.0	0.75	0.67	0.0	0.0	8.21	188	1200
130.0	Allgon 7770.00	3	35	5.5	4.6	11.0	5.0	0.80	0.65	0.0	0.0	8.16	60	105
130.0	CCI DMP65R-BU8D	3	96	17.9	8.0	20.7	7.7	0.80	0.63	0.0	0.0	8.16	187	287
130.0	CCI HPA65R-BU8A	3	54	11.2	8.0	11.7	7.6	0.80	0.71	0.0	0.0	8.16	133	162
130.0	Ericsson Radio 8843	3	72	1.6	1.3	13.2	10.9	0.80	0.50	0.0	0.0	8.16	14	216
130.0	Ericsson RRUS 4449	3	71	2.0	1.5	13.2	9.4	0.80	0.50	0.0	0.0	8.16	16	213
130.0	Powerwave Allgon	6	31	1.7	1.2	14.4	3.7	0.80	0.50	0.0	0.0	8.16	28	186
130.0	Raycap DC6-48-60-	2	33	1.5	2.0	11.0	11.0	0.80	1.00	0.0	0.0	8.16	16	66
117.0	Torque Arms	1	500	15.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	7.92	101	500
75.00	Lucent KS-24019	1	4	0.9	2.2	3.5	3.2	1.00	1.00	2.0	10.9	7.03	5	4
	Totals	93	10589	706.0									2721	10589

Tower Loading

Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Description	Qty	Width (in)	Weight (lb/ft)	Pct In Block	Spread On Faces	Bundling Arrangement	Cluster Dia (in)	Out Of Zone	Spacing (in)	Orientation Factor	Ka Override
10.00	162.0	1 1/4" Coax	9	1.55	0.63	100	2	Individual	0.00	N	1.00	1.00	0.00
0.00	155.0	1 5/8" Hybriflex	3	1.98	1.30	100	None	Individual	0.00	N	1.00	1.00	0.00
0.00	140.0	1 5/8" Hybriflex	2	1.98	1.30	100	None	Individual	0.00	N	1.00	1.00	0.00
10.00	140.0	1 5/8" Coax	10	1.98	0.82	33	1	Block	0.00	N	1.00	1.00	0.00
0.00	130.0	0.39" (10mm) Fiber	1	0.39	0.06	100	None	Individual	0.00	N	1.00	1.00	0.00
0.00	130.0	0.39" (10mm) Fiber	1	0.39	0.06	100	None	Individual	0.00	N	1.00	1.00	0.00
0.00	130.0	0.95" (24.2mm)	2	0.95	0.73	100	None	Individual	0.00	N	1.00	1.00	0.00
0.00	130.0	0.95" (24.2mm)	2	0.95	0.73	100	None	Individual	0.00	N	1.00	1.00	0.00
10.00	130.0	0.39" (10mm) Fiber	1	0.39	0.06	100	3	Individual	0.00	N	1.00	1.00	0.01
10.00	130.0	0.78" (19.7mm) 8	2	0.78	0.59	100	3	Individual	0.00	N	1.00	1.00	0.01
10.00	130.0	1 1/4" Coax	12	1.55	0.63	50	3	Block	0.00	N	1.00	1.00	0.00
10.00	75.00	7/8" Coax	1	1.09	0.33	100	1	Individual	0.00	N	1.00	1.00	0.00

Equivalent Lateral Force Method

Spectral Response Acceleration for Short Period (S_s):	0.19
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.05
Long-Period Transition Period (T_L - Seconds):	6
Importance Factor (I_e):	1.00
Site Coefficient F_a:	1.60
Site Coefficient F_v:	2.40
Response Modification Coefficient (R):	3.00
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.20
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.09
Seismic Response Coefficient (C_s):	0.04
Upper Limit C_s:	0.04
Lower Limit C_s:	0.03
Period based on Rayleigh Method (sec):	0.65
Redundancy Factor (p):	1.00
Seismic Force Distribution Exponent (k):	1.07
Total Unfactored Dead Load:	20.22 k
Seismic Base Shear (E):	0.90 k

LoadCase 1.2D + 1.0Ev + 1.0Eh Seismic

Section	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
12	155.00	396	89,145	0.027	25	491
11	148.40	135	29,028	0.009	8	167
10	143.40	299	61,972	0.019	17	371
9	130.00	1,184	220,739	0.068	61	1,467
8	118.21	226	38,111	0.012	10	281
7	108.21	1,076	164,721	0.050	45	1,334
6	90.00	1,302	163,584	0.050	45	1,614
5	70.00	1,307	125,360	0.038	34	1,620
4	50.00	1,309	87,448	0.027	24	1,622
3	30.00	1,309	50,520	0.015	14	1,622
2	13.33	802	12,959	0.004	4	994
1	3.33	286	1,043	0.000	0	355
Allgon 7120.16.05.00 / A-800-110-13I-0-N	160.00	139	32,297	0.010	9	172
Delta Mount	160.00	450	104,861	0.032	29	558
Flat Light Sector Frames	160.00	1,200	279,630	0.086	77	1,487
Ericsson 4424 B25	155.00	258	58,105	0.018	16	320
Ericsson Air6449 B41	155.00	312	70,266	0.021	19	387
Ericsson Radio 4449 B71 B85A	155.00	225	50,673	0.016	14	279
Ericsson RRUS 4415 B66	155.00	138	31,079	0.010	9	171
RFS APX16DWV-16DWVS-E-A20	155.00	122	27,498	0.008	8	151
RFS APXVAALL24 43-U-NA20	155.00	368	82,968	0.025	23	457
VFA10-HD3L4NP Sector Frame	155.00	1,500	337,819	0.103	93	1,859
Torque Arms	147.00	500	106,376	0.033	29	620
Flat Light Sector Frames	144.00	1,200	249,710	0.076	69	1,487
Amphenol Antel LPA-80080-4CF-EDIN-0	140.00	72	14,536	0.004	4	89

Equivalent Lateral Force Method

Commscope CBC78T-DS-43-2X	140.00	62	12,537	0.004	3	77
Commscope JAHH-65B-R3B	140.00	364	73,407	0.022	20	451
Raycap RCMDC-6627-PF-48	140.00	32	6,460	0.002	2	40
Samsung B2/B66A RRH-BR049	140.00	253	51,119	0.016	14	314
Samsung B5/B13 RRH-BR04C	140.00	211	42,579	0.013	12	261
Samsung MT6407-77A	140.00	245	49,423	0.015	14	303
Flat Light Sector Frames	133.00	1,200	229,282	0.070	63	1,487
Allgon 7770.00	130.00	105	19,577	0.006	5	130
CCI DMP65R-BU8D	130.00	287	53,528	0.016	15	356
CCI HPA65R-BU8A	130.00	162	30,204	0.009	8	201
Ericsson Radio 8843 - B2 + B66A	130.00	216	40,216	0.012	11	267
Ericsson RRUS 4449 B5, B12	130.00	213	39,712	0.012	11	264
Powerwave Allgon LGP17201	130.00	186	34,678	0.011	10	231
Raycap DC6-48-60-18-8F(32.8 lbs)	130.00	66	12,231	0.004	3	81
Torque Arms	117.00	500	83,247	0.025	23	620
Lucent KS-24019	75.00	4	413	0.000	0	5
		20,221	3,269,063	1.000	899	25,064

Force/Stress Summary

Section: 1 Section 1 Bot Elev (ft): 0.00 Height (ft): 6.667

Max Compression Member	Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PST - 2-1/2" DIA PIP	-38.30	1.2D + 1.0Di + 1.0Wi	1.64	100	100	100	13.5	55.0	83.11	0	0	0.00	0.00	46	Member X
HORIZ SAE - 2.5X2.5X0.25	-0.05	1.2D + 1.0W Normal	0.826	100	100	100	13.1	36.0	42.61	0	0	0.00	0.00	0	Member Z
DIAG	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00		

Max Tension Member	Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	0.00		0	0	0.00	0	0	0.00	0.00		0	
HORIZ SAE - 2.5X2.5X0.25	3.16	1.2D + 1.0Di + 1.0Wi	36	58	38.56	0	0	0.00	0.00	0.00	8	Member
DIAG	0.00		0	0	0.00	0	0	0.00	0.00	0.00	0	

Section: 2 Section 2 Bot Elev (ft): 6.67 Height (ft): 13.333

Max Compression Member	Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PST - 2-1/2" DIA PIP	-37.71	1.2D + 1.0Di + 1.0Wi	0.25	100	100	100	2.1	55.0	84.32	0	0	0.00	0.00	44	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SOL - 5/8" SOLID	-1.76	1.2D + 1.0W Normal	4.748	50	50	50	164.4	36.0	2.57	0	0	0.00	0.00		Member X

Max Tension Member	Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	0.00		0	0	0.00	0	0	0.00	0.00		0	
HORIZ SAE - 1.5X1.5X0.1875	4.47	1.2D + 1.0Di + 1.0Wi	36	58	17.17	0	0	0.00	0.00	0.00	26	Member
DIAG	0.00		0	0	0.00	0	0	0.00	0.00	0.00	0	

Section: 3 Section 3-9 Bot Elev (ft): 20.00 Height (ft): 20.000

Max Compression Member	Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PST - 2-1/2" DIA PIP	-37.57	1.2D + 1.0Di + 1.0Wi	0.38	100	100	100	3.1	55.0	84.28	0	0	0.00	0.00	44	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SOL - 5/8" SOLID	-1.44	1.2D + 1.0W Normal	4.748	50	50	50	164.4	36.0	2.57	0	0	0.00	0.00		Member X

Max Tension Member	Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	0.00		0	0	0.00	0	0	0.00	0.00		0	
HORIZ SAE - 1.5X1.5X0.1875	2.91	1.2D + 1.0Di + 1.0Wi	36	58	17.17	0	0	0.00	0.00	0.00	16	Member
DIAG	0.00		0	0	0.00	0	0	0.00	0.00	0.00	0	

Force/Stress Summary

Section: 4 Section 3-9 Bot Elev (ft): 40.00 Height (ft): 20.000

Max Compression Member	Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PST - 2-1/2" DIA PIP	-35.88	1.2D + 1.0Di + 1.0Wi	0.38	100	100	100	3.1	55.0	84.28	0	0	0.00	0.00	42	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SOL - 5/8" SOLID	-0.54	1.2D + 1.0W Normal	4.748	50	50	50	164.4	36.0	2.57	0	0	0.00	0.00		Member X

Max Tension Member	Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	0.00		0	0	0.00	0	0	0.00	0.00		0	
HORIZ SAE - 1.5X1.5X0.1875	4.50	1.2D + 1.0W Normal	36	58	17.17	0	0	0.00	0.00	0.00	26	Member
DIAG SOL - 5/8" SOLID	0.12	1.2D + 1.0W 60 deg	36	58	9.94	0	0	0.00	0.00	0.00	1	Member

Section: 5 Section 3-9 Bot Elev (ft): 60.00 Height (ft): 20.000

Max Compression Member	Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PST - 2-1/2" DIA PIP	-29.83	1.2D + 1.0Di + 1.0Wi	0.38	100	100	100	3.1	55.0	84.28	0	0	0.00	0.00	35	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SOL - 5/8" SOLID	-2.23	1.2D + 1.0W Normal	4.748	50	50	50	164.4	36.0	2.57	0	0	0.00	0.00		Member X

Max Tension Member	Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	0.00		0	0	0.00	0	0	0.00	0.00		0	
HORIZ SAE - 1.5X1.5X0.1875	2.25	1.2D + 1.0Di + 1.0Wi	36	58	17.17	0	0	0.00	0.00	0.00	13	Member
DIAG SOL - 5/8" SOLID	0.10	1.2D + 1.0W 60 deg	36	58	9.94	0	0	0.00	0.00	0.00	1	Member

Section: 6 Section 3-9 Bot Elev (ft): 80.00 Height (ft): 20.000

Max Compression Member	Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PST - 2-1/2" DIA PIP	-29.79	1.2D + 1.0Di + 1.0Wi	0.38	100	100	100	3.1	55.0	84.28	0	0	0.00	0.00	35	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SOL - 5/8" SOLID	-1.04	1.2D + 1.0W Normal	4.748	50	50	50	164.4	36.0	2.57	0	0	0.00	0.00		Member X

Max Tension Member	Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	0.00		0	0	0.00	0	0	0.00	0.00		0	
HORIZ SAE - 1.5X1.5X0.1875	2.33	1.2D + 1.0Di + 1.0Wi	36	58	17.17	0	0	0.00	0.00	0.00	13	Member
DIAG	0.00		0	0	0.00	0	0	0.00	0.00	0.00	0	

Force/Stress Summary

Section: 7 Section 8 Bot Elev (ft): 100.0 Height (ft): 16.415

Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	-36.68	1.2D + 1.0W Normal	3.21	100	100	100	26.4	55.0	79.74	0	0	0.00	0.00	45	Member X
HORIZ	SAE - 1.5X1.5X0.1875	-2.78	1.2D + 1.0W Normal	3.500	100	100	100	93.2	36.0	13.87	0	0	0.00	0.00	20	Member Z
DIAG	SOL - 5/8" SOLID	-1.02	1.2D + 1.0W Normal	4.748	50	50	50	164.3	36.0	2.57	0	0	0.00	0.00		Member X

Max Tension Member		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	6.23	1.2D + 1.0W 60 deg	55	70	84.35	0	0	0.00	0.00		7	Member
HORIZ	SAE - 1.5X1.5X0.1875	5.56	1.2D + 1.0W 60 deg	36	58	17.17	0	0	0.00	0.00	0.00	32	Member
DIAG	SOL - 5/8" SOLID	3.05	1.2D + 1.0W 90 deg	36	58	9.94	0	0	0.00	0.00	0.00	30	Member

Section: 8 Section 8 Bot Elev (ft): 116.4 Height (ft): 3.585

Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	-36.46	1.2D + 1.0W Normal	3.21	100	100	100	26.4	55.0	79.74	0	0	0.00	0.00	45	Member X
HORIZ	SAE - 1.5X1.5X0.1875	-1.60	1.2D + 1.0W Normal	3.500	100	100	100	93.2	36.0	13.87	0	0	0.00	0.00	11	Member Z
DIAG	SOL - 5/8" SOLID	-0.62	1.2D + 1.0W Normal	4.749	50	50	50	164.4	36.0	2.57	0	0	0.00	0.00		Member X

Max Tension Member		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	5.98	1.2D + 1.0W 60 deg	55	70	84.35	0	0	0.00	0.00		7	Member
HORIZ	SAE - 1.5X1.5X0.1875	0.91	1.2D + 1.0W Normal	36	58	17.17	0	0	0.00	0.00	0.00	5	Member
DIAG	SOL - 5/8" SOLID	3.85	1.2D + 1.0W 90 deg	36	58	9.94	0	0	0.00	0.00	0.00	38	Member

Section: 9 Section 3-9 Bot Elev (ft): 120.0 Height (ft): 20.000

Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	-31.27	1.2D + 1.0W Normal	3.21	100	100	100	26.4	55.0	79.74	0	0	0.00	0.00	39	Member X
HORIZ	SAE - 1.5X1.5X0.1875	-1.27	1.2D + 1.0W 90 deg	3.500	100	100	100	93.2	36.0	13.87	0	0	0.00	0.00	9	Member Z
DIAG	SOL - 5/8" SOLID	-0.43	1.2D + 1.0W Normal	4.748	50	50	50	164.4	36.0	2.57	0	0	0.00	0.00		Member X

Max Tension Member		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	2.71	1.2D + 1.0W 60 deg	55	70	84.35	0	0	0.00	0.00		3	Member
HORIZ	SAE - 1.5X1.5X0.1875	1.42	1.2D + 1.0Di + 1.0Wi	36	58	17.17	0	0	0.00	0.00	0.00	8	Member
DIAG	SOL - 5/8" SOLID	3.51	1.2D + 1.0W 90 deg	36	58	9.94	0	0	0.00	0.00	0.00	35	Member

Force/Stress Summary

Section: 10 Section 9 Bot Elev (ft): 140.0 Height (ft): 6.792

Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	-20.82	1.2D + 1.0W Normal	3.21	100	100	100	26.4	55.0	79.74	0	0	0.00	0.00	26	Member X
HORIZ	SAE - 1.5X1.5X0.1875	-5.42	1.2D + 1.0W Normal	3.500	100	100	100	93.2	36.0	13.87	0	0	0.00	0.00	39	Member Z
DIAG	SOL - 5/8" SOLID	-0.33	1.2D + 1.0W Normal	4.748	50	50	50	164.3	36.0	2.57	0	0	0.00	0.00		Member X

Max Tension Member		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	16.14	1.2D + 1.0W 60 deg	55	70	84.35	0	0	0.00	0.00		19	Member
HORIZ	SAE - 1.5X1.5X0.1875	5.74	1.2D + 1.0W 60 deg	36	58	17.17	0	0	0.00	0.00	0.00	33	Member
DIAG	SOL - 5/8" SOLID	1.56	1.2D + 1.0W Normal	36	58	9.94	0	0	0.00	0.00	0.00	15	Member

Section: 11 Section 9 Bot Elev (ft): 146.7 Height (ft): 3.208

Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	-19.34	1.2D + 1.0W Normal	3.21	100	100	100	26.4	55.0	79.74	0	0	0.00	0.00	24	Member X
HORIZ	SAE - 1.5X1.5X0.1875	-3.67	1.2D + 1.0W 90 deg	3.500	100	100	100	93.2	36.0	13.87	0	0	0.00	0.00	26	Member Z
DIAG	SOL - 5/8" SOLID	-2.50	1.2D + 1.0W Normal	4.748	50	50	50	164.3	36.0	2.57	0	0	0.00	0.00		Member X

Max Tension Member		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	15.75	1.2D + 1.0W 60 deg	55	70	84.35	0	0	0.00	0.00		18	Member
HORIZ	SAE - 1.5X1.5X0.1875	0.44	1.2D + 1.0W 60 deg	36	58	17.17	0	0	0.00	0.00	0.00	2	Member
DIAG	SOL - 5/8" SOLID	4.80	1.2D + 1.0W 90 deg	36	58	9.94	0	0	0.00	0.00	0.00	48	Member

Section: 12 Section 9 Bot Elev (ft): 150.0 Height (ft): 10.000

Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	-16.55	1.2D + 1.0W Normal	3.21	100	100	100	26.4	55.0	79.74	0	0	0.00	0.00	20	Member X
HORIZ	SAE - 1.5X1.5X0.1875	-3.64	1.2D + 1.0W 90 deg	3.500	100	100	100	93.2	36.0	13.87	0	0	0.00	0.00	26	Member Z
DIAG	SOL - 5/8" SOLID	-1.37	1.2D + 1.0W Normal	4.748	50	50	50	164.4	36.0	2.57	0	0	0.00	0.00		Member X

Max Tension Member		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	9.38	1.2D + 1.0W 60 deg	55	70	84.35	0	0	0.00	0.00		11	Member
HORIZ	SAE - 1.5X1.5X0.1875	0.39	1.2D + 1.0W Normal	36	58	17.17	0	0	0.00	0.00	0.00	2	Member
DIAG	SOL - 5/8" SOLID	5.21	1.2D + 1.0W 90 deg	36	58	9.94	0	0	0.00	0.00	0.00	52	Member

Detailed Reactions

Load Case	Radius (ft)	Elevation (ft)	Azimuth (deg)	Node	FX (kip)	FY (kip)	FZ (kip)	(-) = Uplift (+) = Down
1.2D + 1.0W Normal	**0.00**	**00.00**		**1**	**0.00**	**72.29**	**-1.74**	
	145.00	**00.00**	**0**	**A1**	**0.00**	**-0.87**	**1.00**	
	145.00	**00.00**	**240**	**A1a**	**-24.35**	**-22.49**	**-14.83**	
	145.00	**00.00**	**120**	**A1b**	**24.35**	**-22.49**	**-14.83**	
1.2D + 1.0W 60 deg	**0.00**	**00.00**		**1**	**-1.44**	**68.34**	**-0.84**	
	145.00	**00.00**	**0**	**A1**	**-0.62**	**-6.96**	**8.49**	
	145.00	**00.00**	**240**	**A1a**	**-31.03**	**-28.36**	**-17.91**	
	145.00	**00.00**	**120**	**A1b**	**7.04**	**-6.97**	**-4.78**	
1.2D + 1.0W 90 deg	**0.00**	**00.00**		**1**	**-1.67**	**70.96**	**0.00**	
	145.00	**00.00**	**0**	**A1**	**-0.80**	**-14.91**	**18.67**	
	145.00	**00.00**	**240**	**A1a**	**-30.08**	**-27.29**	**-16.98**	
	145.00	**00.00**	**120**	**A1b**	**2.36**	**-2.51**	**-1.69**	
1.2D + 1.0Di + 1.0Wi Normal	**0.00**	**00.00**		**1**	**0.00**	**106.65**	**-0.49**	
	145.00	**00.00**	**0**	**A1**	**0.00**	**-9.81**	**13.56**	
	145.00	**00.00**	**240**	**A1a**	**-18.51**	**-15.75**	**-11.24**	
	145.00	**00.00**	**120**	**A1b**	**18.51**	**-15.75**	**-11.24**	
1.2D + 1.0Di + 1.0Wi 60 deg	**0.00**	**00.00**		**1**	**-0.39**	**106.13**	**-0.23**	
	145.00	**00.00**	**0**	**A1**	**-0.48**	**-11.73**	**16.04**	
	145.00	**00.00**	**240**	**A1a**	**-20.88**	**-17.65**	**-12.06**	
	145.00	**00.00**	**120**	**A1b**	**13.66**	**-11.73**	**-8.43**	
1.2D + 1.0Di + 1.0Wi 90 deg	**0.00**	**00.00**		**1**	**-0.47**	**106.36**	**0.02**	
	145.00	**00.00**	**0**	**A1**	**-0.60**	**-13.72**	**18.81**	
	145.00	**00.00**	**240**	**A1a**	**-20.47**	**-17.15**	**-11.56**	
	145.00	**00.00**	**120**	**A1b**	**12.15**	**-10.30**	**-7.27**	
1.2D + 1.0Ev + 1.0Eh Normal M1	**0.00**	**00.00**		**1**	**0.00**	**55.71**	**0.00**	
	145.00	**00.00**	**0**	**A1**	**0.00**	**-9.04**	**11.81**	
	145.00	**00.00**	**240**	**A1a**	**-10.95**	**-9.81**	**-6.32**	
	145.00	**00.00**	**120**	**A1b**	**10.95**	**-9.81**	**-6.32**	
1.2D + 1.0Ev + 1.0Eh 60 deg M1	**0.00**	**00.00**		**1**	**0.00**	**55.71**	**0.00**	
	145.00	**00.00**	**0**	**A1**	**0.00**	**-9.30**	**12.09**	
	145.00	**00.00**	**240**	**A1a**	**-11.19**	**-10.07**	**-6.46**	
	145.00	**00.00**	**120**	**A1b**	**10.47**	**-9.30**	**-6.04**	
1.2D + 1.0Ev + 1.0Eh 90 deg M1	**0.00**	**00.00**		**1**	**0.00**	**55.71**	**0.00**	
	145.00	**00.00**	**0**	**A1**	**0.00**	**-9.56**	**12.36**	
	145.00	**00.00**	**240**	**A1a**	**-11.12**	**-10.00**	**-6.42**	
	145.00	**00.00**	**120**	**A1b**	**10.29**	**-9.11**	**-5.94**	
1.0D + 1.0W Service Normal	**0.00**	**00.00**		**1**	**0.00**	**51.71**	**-0.45**	
	145.00	**00.00**	**0**	**A1**	**0.00**	**-6.31**	**8.23**	
	145.00	**00.00**	**240**	**A1a**	**-12.85**	**-11.58**	**-7.59**	
	145.00	**00.00**	**120**	**A1b**	**12.85**	**-11.58**	**-7.59**	
1.0D + 1.0W Service 60 deg	**0.00**	**00.00**		**1**	**-0.37**	**51.68**	**-0.21**	
	145.00	**00.00**	**0**	**A1**	**-0.15**	**-8.11**	**10.48**	
	145.00	**00.00**	**240**	**A1a**	**-14.78**	**-13.30**	**-8.53**	
	145.00	**00.00**	**120**	**A1b**	**9.00**	**-8.11**	**-5.37**	
1.0D + 1.0W Service 90 deg	**0.00**	**00.00**		**1**	**-0.43**	**51.68**	**0.00**	
	145.00	**00.00**	**0**	**A1**	**-0.19**	**-9.83**	**12.67**	
	145.00	**00.00**	**240**	**A1a**	**-14.34**	**-12.85**	**-8.20**	
	145.00	**00.00**	**120**	**A1b**	**7.62**	**-6.81**	**-4.48**	

Guy Anchor Design Loads

Radius (ft)	Drop (ft)	Azimuth (°)	Uplift (kip)	Shear (kip)
145.00	0.00	0	14.91	18.82
145.00	0.00	240	28.36	35.83
145.00	0.00	120	22.49	28.51

Maximum Cable Forces Summary

Load Case	Elevation (ft)	Cable	Anchor Node	Tower Node	Allow Tension (kip)	Applied Tension (kip)	Use %
1.2D + 1.0W 60 deg	59.62	9/16 EHS	A1a	27b	21.00	8.71	41
1.2D + 1.0W 60 deg	116.41	9/16 EHS	A1a	T2a	21.00	8.13	39
1.2D + 1.0W 60 deg	146.79	5/8 EHS	A1a	T3a	25.44	10.82	43

Maximum Torque Arm Stress Summary

Load Case	Elevation (ft)	Member	Type	Compression %	Tension %
1.2D + 1.0W 90 deg	117.00	3X3X0.25	Horiz		16
1.2D + 1.0W 90 deg	117.00	2X2X0.3125	Kicker	56	
1.2D + 1.0W Normal	146.50	3X3X0.25	Horiz		21
1.2D + 1.0W 60 deg	146.50	2X2X0.3125	Kicker	72	

Deflections and Rotations

Load Case	Elevation (ft)	Deflection (ft)	Twist (deg)	Sway (deg)	Resultant (deg)
121 mph Normal with No Ice	76.42	0.301	0.0007	0.1195	0.1195
121 mph Normal with No Ice	116.41	0.340	0.0038	0.1360	0.1360
121 mph Normal with No Ice	130.00	0.405	0.0001	0.2741	0.2741
121 mph Normal with No Ice	133.21	0.420	0.0000	0.2723	0.2723
121 mph Normal with No Ice	140.00	0.453	0.0011	0.2816	0.2816
121 mph Normal with No Ice	143.58	0.471	0.0033	0.2904	0.2904
121 mph Normal with No Ice	146.79	0.488	0.0071	0.3347	0.3347
121 mph Normal with No Ice	156.42	0.563	0.0036	0.4468	0.4468
121 mph Normal with No Ice	160.00	0.589	0.0025	0.4638	0.4638
121 mph 60 degree with No Ice	76.42	0.224	0.0011	0.0996	0.0996
121 mph 60 degree with No Ice	116.41	0.259	0.0051	0.0827	0.0829
121 mph 60 degree with No Ice	130.00	0.304	0.0011	0.2066	0.2066
121 mph 60 degree with No Ice	133.21	0.315	0.0013	0.2007	0.2007
121 mph 60 degree with No Ice	140.00	0.339	0.0025	0.1505	0.1505
121 mph 60 degree with No Ice	143.58	0.352	0.0042	0.2277	0.2277
121 mph 60 degree with No Ice	146.79	0.365	0.0073	0.2630	0.2630
121 mph 60 degree with No Ice	156.42	0.421	0.0026	0.3438	0.3438
121 mph 60 degree with No Ice	160.00	0.443	0.0026	0.3945	0.3945
121 mph 90 degree with No Ice	76.42	0.266	-0.0335	0.1180	0.1229
121 mph 90 degree with No Ice	116.41	0.313	0.0497	0.1315	0.1382
121 mph 90 degree with No Ice	130.00	0.369	-0.0299	0.2508	0.2526
121 mph 90 degree with No Ice	133.21	0.383	-0.0277	0.2451	0.2466
121 mph 90 degree with No Ice	140.00	0.412	-0.0193	0.1873	0.1883
121 mph 90 degree with No Ice	143.58	0.427	-0.0147	0.2641	0.2649
121 mph 90 degree with No Ice	146.79	0.442	-0.0127	0.3238	0.3247
121 mph 90 degree with No Ice	156.42	0.515	-0.1359	0.4090	0.4308
121 mph 90 degree with No Ice	160.00	0.539	-0.1469	0.4371	0.4611
50 mph Normal with 1.00 in Radial Ice	76.42	0.068	0.0003	0.0066	0.0067
50 mph Normal with 1.00 in Radial Ice	116.41	0.050	0.0013	0.0321	0.0321
50 mph Normal with 1.00 in Radial Ice	130.00	0.048	0.0001	0.0043	0.0043
50 mph Normal with 1.00 in Radial Ice	133.21	0.048	0.0001	0.0054	0.0054
50 mph Normal with 1.00 in Radial Ice	140.00	0.048	0.0004	0.0109	0.0109
50 mph Normal with 1.00 in Radial Ice	143.58	0.047	0.0009	0.0085	0.0085
50 mph Normal with 1.00 in Radial Ice	146.79	0.047	0.0018	0.0077	0.0077
50 mph Normal with 1.00 in Radial Ice	156.42	0.051	0.0003	0.0247	0.0247
50 mph Normal with 1.00 in Radial Ice	160.00	0.052	0.0003	0.0358	0.0358
50 mph 60 deg with 1.00 in Radial Ice	76.42	0.071	0.0003	0.0229	0.0229
50 mph 60 deg with 1.00 in Radial Ice	116.41	0.069	0.0013	0.0041	0.0043
50 mph 60 deg with 1.00 in Radial Ice	130.00	0.074	0.0001	0.0249	0.0249
50 mph 60 deg with 1.00 in Radial Ice	133.21	0.076	0.0001	0.0231	0.0231
50 mph 60 deg with 1.00 in Radial Ice	140.00	0.079	0.0004	0.0124	0.0124
50 mph 60 deg with 1.00 in Radial Ice	143.58	0.080	0.0009	0.0272	0.0272
50 mph 60 deg with 1.00 in Radial Ice	146.79	0.081	0.0018	0.0337	0.0337
50 mph 60 deg with 1.00 in Radial Ice	156.42	0.090	0.0004	0.0535	0.0535
50 mph 60 deg with 1.00 in Radial Ice	160.00	0.094	0.0004	0.0649	0.0649
50 mph 90 deg with 1.00 in Radial Ice	76.42	0.069	0.0145	0.0176	0.0225
50 mph 90 deg with 1.00 in Radial Ice	116.41	0.060	0.0115	0.0244	0.0261
50 mph 90 deg with 1.00 in Radial Ice	130.00	0.062	0.0099	0.0177	0.0202
50 mph 90 deg with 1.00 in Radial Ice	133.21	0.063	0.0099	0.0167	0.0194
50 mph 90 deg with 1.00 in Radial Ice	140.00	0.064	0.0102	0.0208	0.0229
50 mph 90 deg with 1.00 in Radial Ice	143.58	0.065	0.0107	0.0205	0.0225
50 mph 90 deg with 1.00 in Radial Ice	146.79	0.066	0.0118	0.0233	0.0257
50 mph 90 deg with 1.00 in Radial Ice	156.42	0.072	0.0101	0.0406	0.0418
50 mph 90 deg with 1.00 in Radial Ice	160.00	0.075	0.0101	0.0512	0.0520
Seismic Normal M1	76.42	0.002	0.0000	0.0036	0.0036

Seismic Normal M1	116.41	0.006	0.0001	0.0102	0.0102
Seismic Normal M1	130.00	0.009	0.0000	0.0152	0.0152
Seismic Normal M1	133.21	0.010	0.0000	0.0157	0.0157
Seismic Normal M1	140.00	0.012	0.0000	0.0146	0.0146
Seismic Normal M1	143.58	0.013	0.0002	0.0172	0.0172
Seismic Normal M1	146.79	0.014	0.0003	0.0210	0.0210
Seismic Normal M1	156.42	0.018	0.0001	0.0240	0.0240
Seismic Normal M1	160.00	0.019	0.0001	0.0262	0.0262
Seismic 60 deg M1	76.42	0.002	0.0000	0.0040	0.0040
Seismic 60 deg M1	116.41	0.006	0.0001	0.0102	0.0102
Seismic 60 deg M1	130.00	0.009	0.0000	0.0150	0.0150
Seismic 60 deg M1	133.21	0.010	0.0000	0.0154	0.0154
Seismic 60 deg M1	140.00	0.012	0.0001	0.0143	0.0143
Seismic 60 deg M1	143.58	0.013	0.0002	0.0180	0.0180
Seismic 60 deg M1	146.79	0.014	0.0003	0.0198	0.0198
Seismic 60 deg M1	156.42	0.018	0.0001	0.0238	0.0238
Seismic 60 deg M1	160.00	0.019	0.0001	0.0259	0.0259
Seismic 90 deg M1	76.42	0.002	0.0000	0.0039	0.0039
Seismic 90 deg M1	116.41	0.006	0.0002	0.0102	0.0102
Seismic 90 deg M1	130.00	0.009	0.0000	0.0151	0.0151
Seismic 90 deg M1	133.21	0.010	0.0000	0.0155	0.0155
Seismic 90 deg M1	140.00	0.012	0.0001	0.0146	0.0146
Seismic 90 deg M1	143.58	0.013	0.0002	0.0178	0.0178
Seismic 90 deg M1	146.79	0.014	0.0004	0.0206	0.0206
Seismic 90 deg M1	156.42	0.018	0.0001	0.0239	0.0239
Seismic 90 deg M1	160.00	0.019	0.0001	0.0261	0.0261
Serviceability - 60 mph Wind Normal	76.42	0.046	0.0002	0.0139	0.0139
Serviceability - 60 mph Wind Normal	116.41	0.045	0.0010	0.0035	0.0036
Serviceability - 60 mph Wind Normal	130.00	0.051	0.0000	0.0318	0.0318
Serviceability - 60 mph Wind Normal	133.21	0.053	0.0001	0.0308	0.0308
Serviceability - 60 mph Wind Normal	140.00	0.057	0.0003	0.0295	0.0295
Serviceability - 60 mph Wind Normal	143.58	0.059	0.0008	0.0335	0.0335
Serviceability - 60 mph Wind Normal	146.79	0.061	0.0016	0.0471	0.0471
Serviceability - 60 mph Wind Normal	156.42	0.071	0.0003	0.0653	0.0653
Serviceability - 60 mph Wind Normal	160.00	0.076	0.0003	0.0778	0.0778
Serviceability - 60 mph Wind 60 deg	76.42	0.045	0.0001	0.0171	0.0171
Serviceability - 60 mph Wind 60 deg	116.41	0.048	0.0010	0.0106	0.0106
Serviceability - 60 mph Wind 60 deg	130.00	0.056	0.0001	0.0389	0.0389
Serviceability - 60 mph Wind 60 deg	133.21	0.058	0.0001	0.0372	0.0372
Serviceability - 60 mph Wind 60 deg	140.00	0.063	0.0003	0.0246	0.0246
Serviceability - 60 mph Wind 60 deg	143.58	0.065	0.0008	0.0440	0.0440
Serviceability - 60 mph Wind 60 deg	146.79	0.068	0.0015	0.0513	0.0513
Serviceability - 60 mph Wind 60 deg	156.42	0.079	0.0003	0.0719	0.0719
Serviceability - 60 mph Wind 60 deg	160.00	0.084	0.0003	0.0844	0.0844
Serviceability - 60 mph Wind 90 deg	76.42	0.046	0.0037	0.0154	0.0158
Serviceability - 60 mph Wind 90 deg	116.41	0.046	0.0035	0.0072	0.0080
Serviceability - 60 mph Wind 90 deg	130.00	0.054	0.0023	0.0350	0.0351
Serviceability - 60 mph Wind 90 deg	133.21	0.056	0.0023	0.0330	0.0331
Serviceability - 60 mph Wind 90 deg	140.00	0.060	0.0026	0.0147	0.0149
Serviceability - 60 mph Wind 90 deg	143.58	0.062	0.0031	0.0394	0.0394
Serviceability - 60 mph Wind 90 deg	146.79	0.064	0.0040	0.0480	0.0481
Serviceability - 60 mph Wind 90 deg	156.42	0.075	0.0026	0.0679	0.0679
Serviceability - 60 mph Wind 90 deg	160.00	0.079	0.0026	0.0802	0.0803

Maximum Reactions Summary

Anchor Group	UpLift	Shear
Base	106.65	1.74
A1	28.36	35.83

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New/Replacement Antenna Mount Analysis Report and PMI Requirements

Mount Analysis Replacement

SMART Tool Project #: 10078192
Maser Consulting Connecticut Project #: 21777634A

June 24, 2021

Site Information	*Site ID:*	*468242-VZW / HAMPTON CT*
	Site Name:	*HAMPTON CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*185 Fiske Rd* *Hampton, Connecticut 06427* *Windham County*
	Latitude:	*41.769956°*
	Longitude:	*-72.070664°*
Structure Information	*Tower Type:*	*Guyed*
	Mount Type:	*13.00-Ft Sector Frame*

FUZE ID # 16271946

Analysis Results

Sector Frame: **34.6% 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: Chuanjiao Hu

Executive Summary:

The objective of this report is to determine the capacity of the proposed antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. The proposed mount was assumed to be installed properly to the existing tower per the manufacturer's instructions. Maser Consulting Connecticut cannot verify that the proposed mount will fit properly and is not liable for any fit-up issues during installation.

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 324042, dated March 16, 2021*
Mount Mapping Report	*HighTower Solutions Inc, Site #: 16068302, dated April 27, 2021*
Previous Mount Analysis Report	*Maser Consulting, Project #:21777634A, dated June 10, 2021*
Mount Specification	*Sabre Industries, Inc., Drawing #: C10857001C*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	121 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.978
Seismic Parameters:	S_S:	0.185
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
139.50	140.00	3	Samsung	MT6407-77A	Added
		6	Commscope	JAHH-65B-R3B	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
		3	Commscope	CBC78T-DS-43-2X	
		6	Amphenol Antel	LPA-80080-4CF	Retained

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

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

Standard Conditions:

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

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

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:
   - o Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - o HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - o Pipe — ASTM A53 (Gr. B-35)
   - o Threaded Rod — F1554 (Gr. 36)
   - o Bolts — ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontals	22.8 %	Pass
Antenna Pipe	30.7 %	Pass
Standoff Plate	19.8 %	Pass
Face Horizontal Plate	9.1 %	Pass
Inner Bracing	14.4 %	Pass
V Horizontals	11.8 %	Pass
Tower Connection Plate	20.5 %	Pass
Stabilizer	34.6 %	Pass
Mount Connection	34.5 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**34.6%**

Recommendation:

The proposed antenna mounts are **SUFFICIENT** for the final loading configuration and do not require modifications.

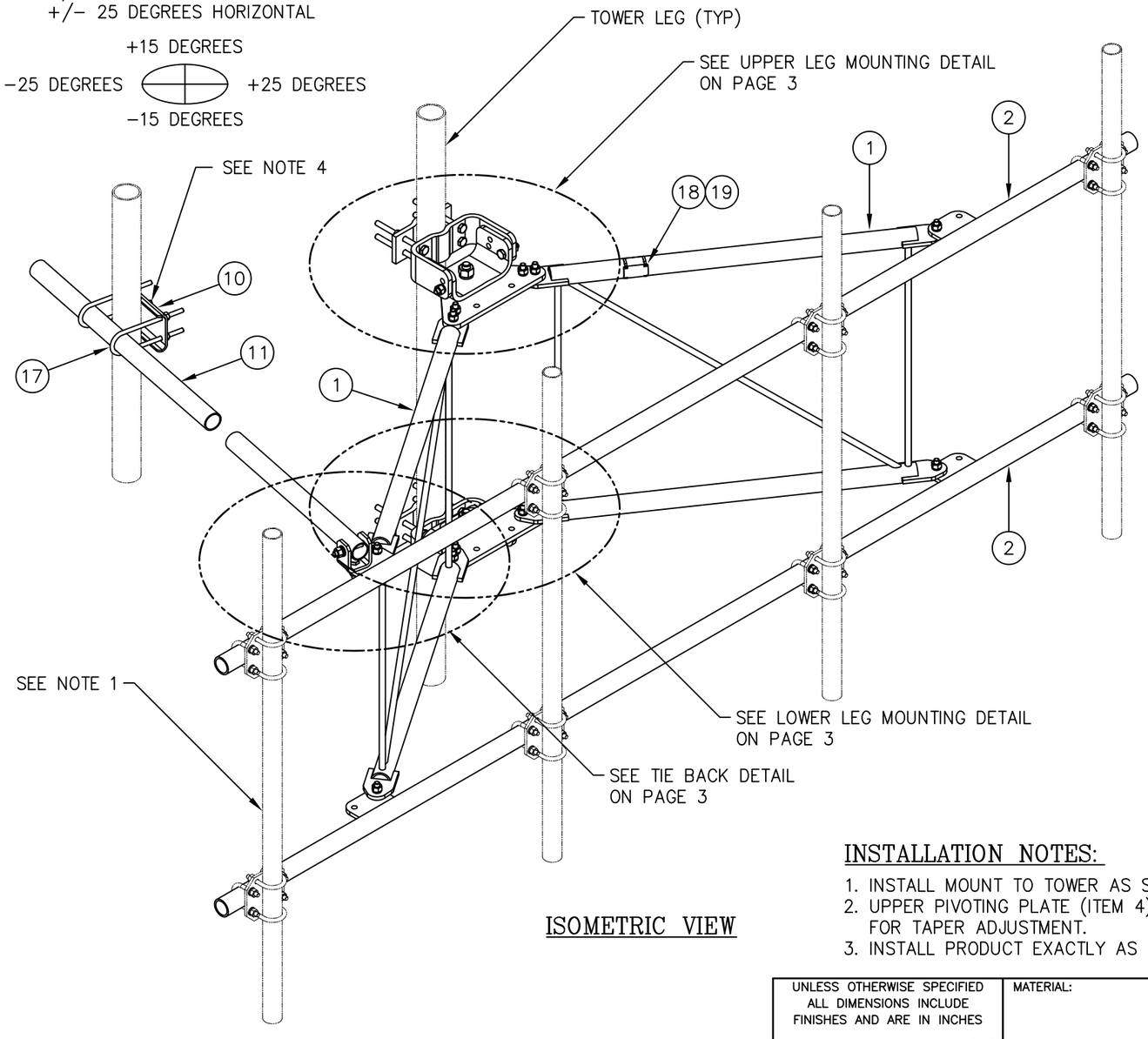
ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

Attachments:

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

TIEBACK ANGLE RANGE DETAIL

+/− 15 DEGREES VERTICAL
+/− 25 DEGREES HORIZONTAL



ISOMETRIC VIEW

C10857001C 12' HD V-BOOM ASSEMBLY W/TIEBACK

ITEM	QTY.	PART NO.	DESCRIPTION	WEIGHT
1.	2	CW01222	WELDMENT, STANDOFF ARM	126
2.	2	CW01223	WELDMENT, FACE PIPE	147
3.	2	CS03109	PLATE, ROTATING	34
4.	1	CS03110	PLATE, PIVOTING (UPPER)	16
5.	1	CS03111	PLATE, LEG CLAMP (UPPER)	17
6.	1	CS03112	PLATE, PIVOTING (LOWER)	14
7.	1	CS03113	PLATE, LEG CLAMP (LOWER)	17
8.	2	CS03114	PLATE, LEG CLAMP (BACK)	14
9.	1	CS00098	PLATE, TIE BACK SWIVEL	3
10.	1	CS03285	PLATE, TIE BACK CLAMP	4
11.	1	CS03333	PIPE, TIE BACK	38
12.	2	C40026073	BOLT ASSEMBLY, 1 ø X 3 A325	4
13.	8	C40140004	BOLT ASSEMBLY, 5/8 ø X 8 A307	13
14.	1	C40026033	BOLT ASSEMBLY, 5/8 ø X 4 1/2 A325	1
15.	12	C40026025	BOLT ASSEMBLY, 5/8 ø X 2 1/2 A325	6
16.	5	C40026024	BOLT ASSEMBLY, 5/8 ø X 2 1/4 A325	3
17.	2	C40034183	U-BOLT ASSEMBLY, 1/2 ø X 2 9/16 C-C	3
18.	1	Z30992001	MOUNT CLASSIFICATION TAG C10857001C	1
19.	2	C40062103	STAINLESS STEEL SELF-LOCKING CABLE TIE	1
			TOTAL WEIGHT	462

PACKAGING NOTE

CK00386 INCLUDES ITEMS 1, 3, 4, 5, 6, 7, 12 & 15 (8 QTY)
CK00387 INCLUDES ITEMS 2, 8, 9, 10, 11, 13, 14, 15 (4 QTY), 16, 17, 18 & 19

INSTALLATION NOTES:

1. INSTALL MOUNT TO TOWER AS SHOWN, SO THAT WELDED STANDOFF DIAGONAL IS SLOPING DOWNWARD FROM TOWER END TO FACE PIPE END.
2. UPPER PIVOTING PLATE (ITEM 4) HAS THREE HOLES ON EACH SIDE AND UPPER LEG CLAMP PLATE (ITEM 5) HAS TWO HOLES ON EACH SIDE FOR TAPER ADJUSTMENT.
3. INSTALL PRODUCT EXACTLY AS SHOWN IN DRAWING, WITH ALL BOLTS FACING UPWARDS.

NOTES:

1. MOUNTING PIPES & CROSSOVER PLATE KITS MUST BE PURCHASED SEPARATELY.
2. QUANTITIES SHOWN IN LISTS OF MATERIAL ARE FOR ONE (1) V-BOOM ONLY.
3. THIS V-BOOM WILL MOUNT TO THE FOLLOWING: 1 1/2"ø TO 5 9/16"ø ROUND LEG.
4. TIEBACK MUST BE CONNECTED TO A RIGID MEMBER THAT PROVIDES ADEQUATE SUPPORT WITHIN THE LIMITS NOTED ABOVE IN THE TIEBACK ANGLE RANGE DETAIL UNLESS APPROVED BY THE ENGINEER OF RECORD.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES
TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010"

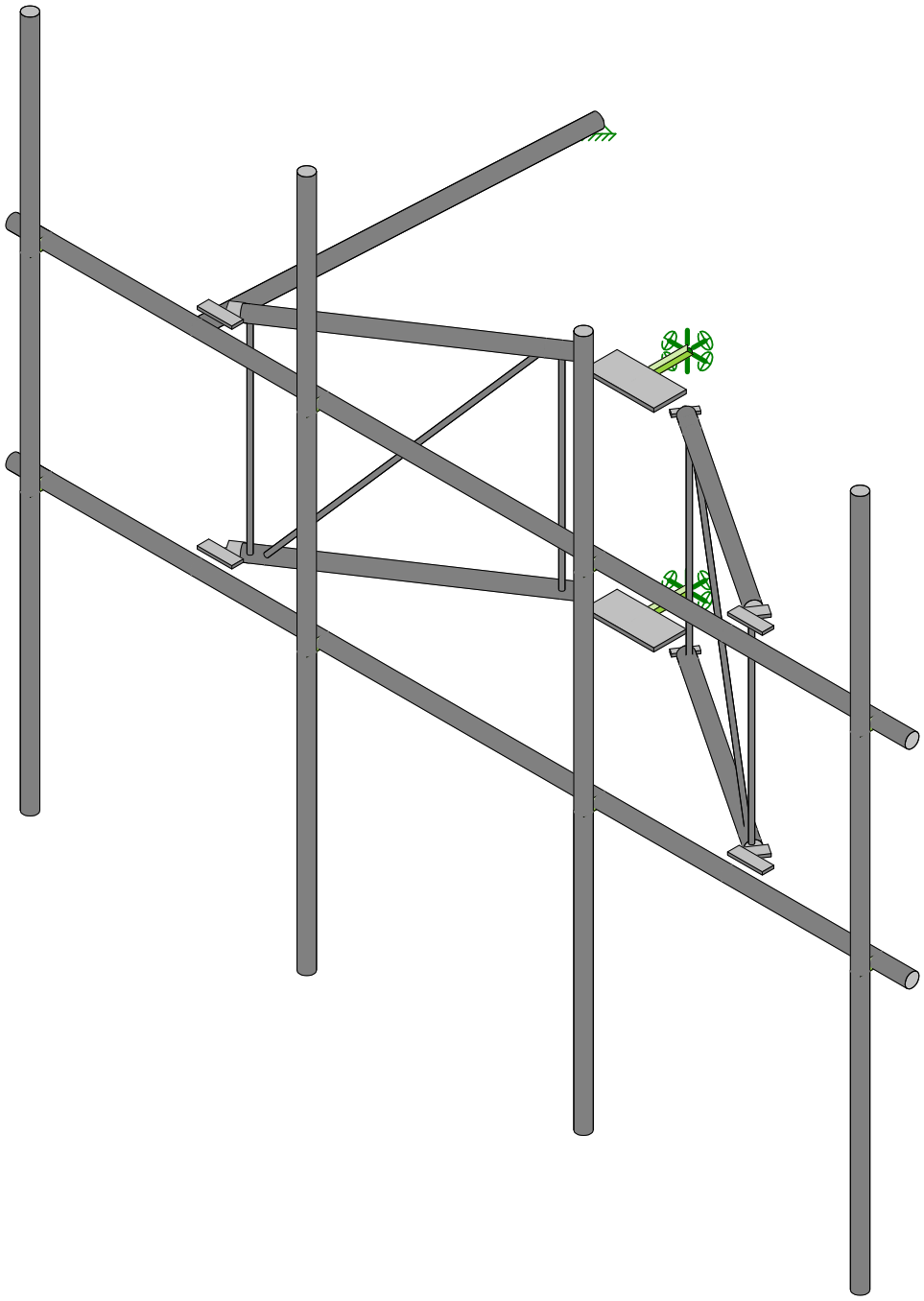
MATERIAL:
TOLERANCES DO NOT APPLY TO RAW MATERIAL

REV	DATE	DRW	CHK	DESCRIPTION
3	10/19/16	KLE	DEL	ADDED INSTALLATION NOTES
2	02/05/16	DLW	DEL	ADDED PACKAGING NOTE
1	01/21/16	KLE	EK	REVISED NOTES & ADDED TIEBACK ANGLE RANGE DETAIL

Sabre Industries™ Towers and Poles

12' HD V-BOOM ASSEMBLY W/TIEBACK (3' STANDOFF) W/NO ANTENNA MOUNTING PIPES

		SIZE	DRAWING NO.	REV
DATE	12/22/15	B	C10857001C	3
DRAWN BY	WRF			
CHECKED BY	EK	SCALE None	PAGE 1 OF 3	



Envelope Only Solution

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		June 24, 2021 at 8:21 AM
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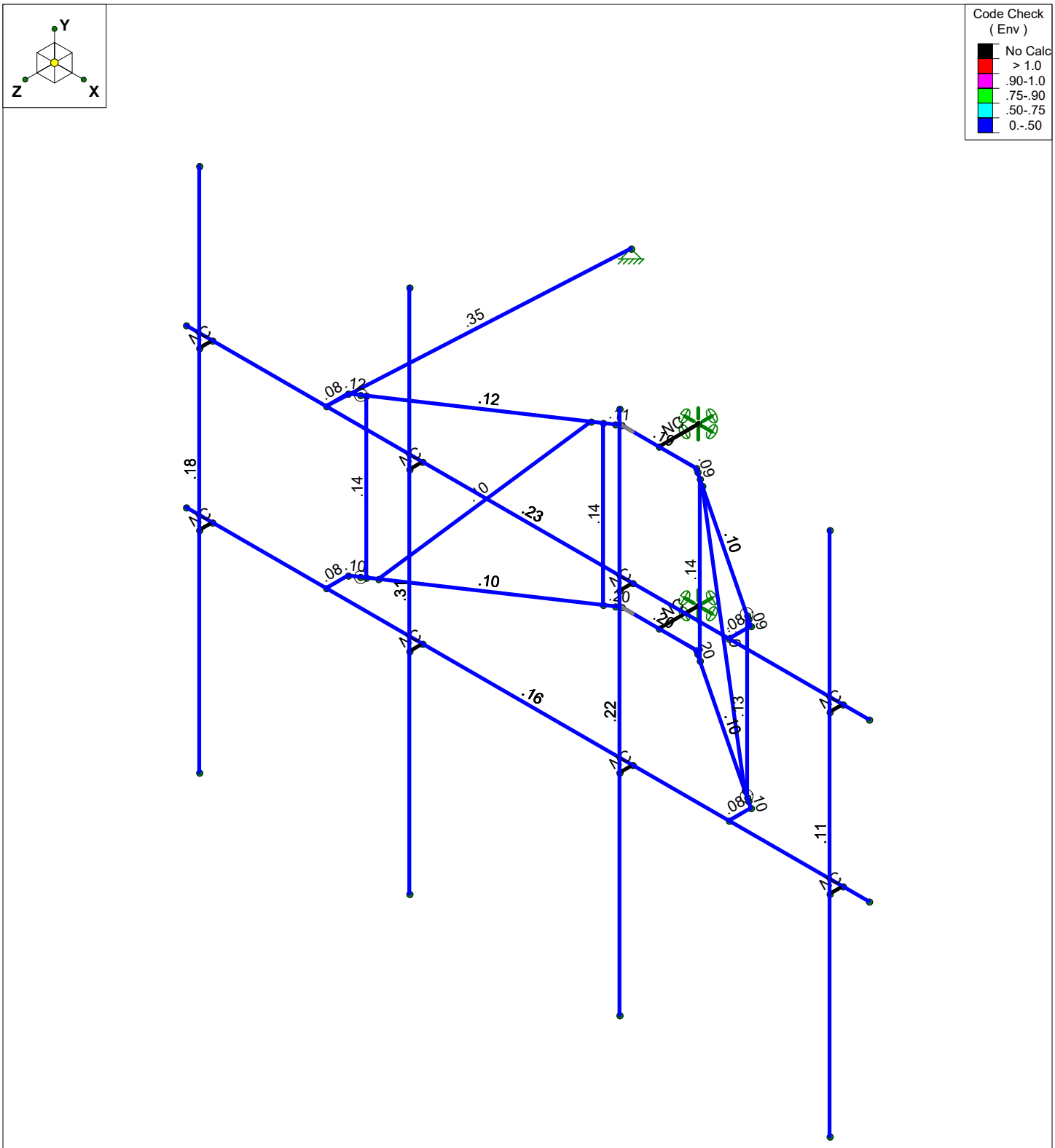

Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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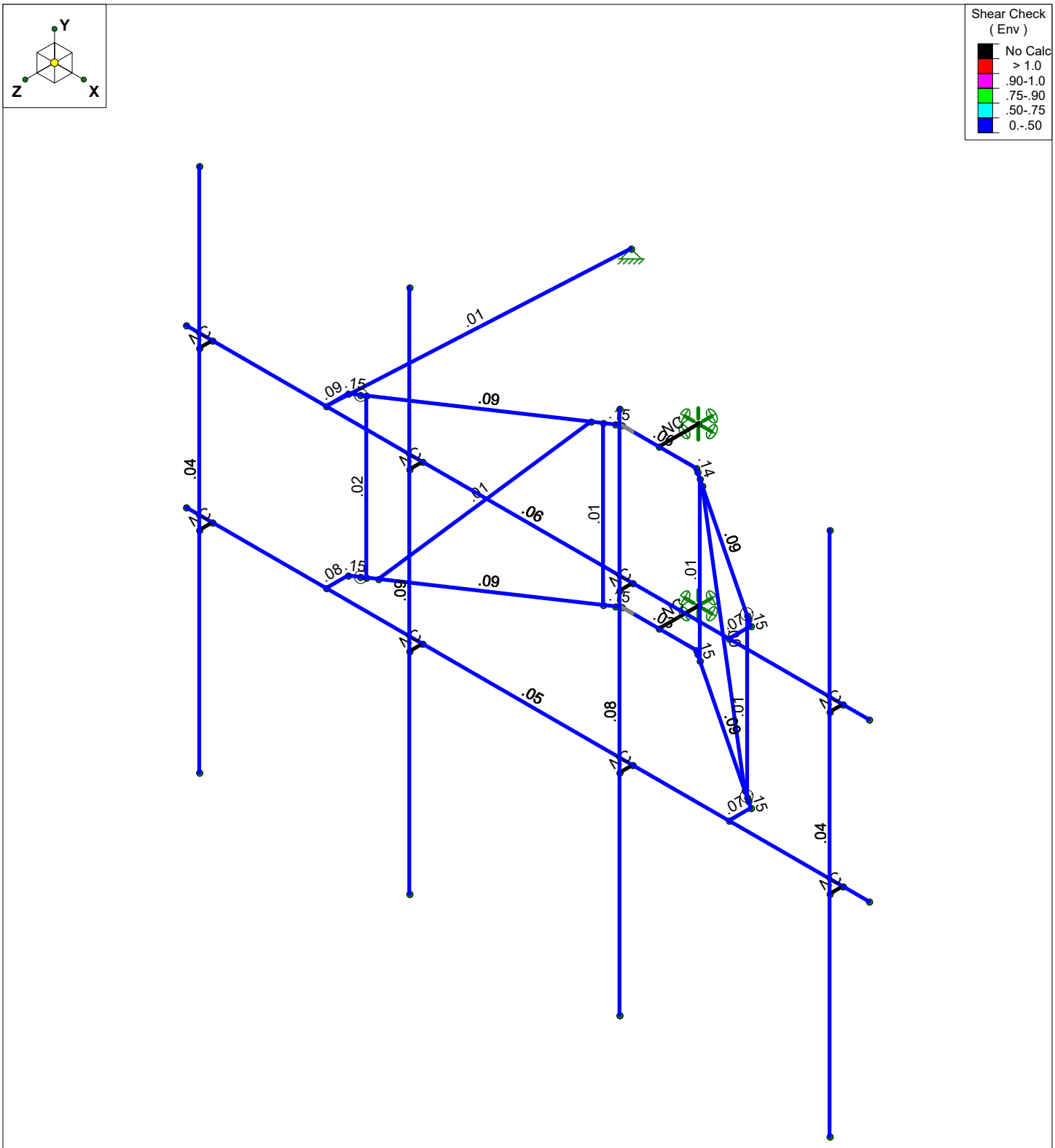

Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting		SK - 2
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Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					42			
2	Antenna Di	None					42			
3	Antenna Wo (0 Deg)	None					42			
4	Antenna Wo (30 Deg)	None					42			
5	Antenna Wo (60 Deg)	None					42			
6	Antenna Wo (90 Deg)	None					42			
7	Antenna Wo (120 Deg)	None					42			
8	Antenna Wo (150 Deg)	None					42			
9	Antenna Wo (180 Deg)	None					42			
10	Antenna Wo (210 Deg)	None					42			
11	Antenna Wo (240 Deg)	None					42			
12	Antenna Wo (270 Deg)	None					42			
13	Antenna Wo (300 Deg)	None					42			
14	Antenna Wo (330 Deg)	None					42			
15	Antenna Wi (0 Deg)	None					42			
16	Antenna Wi (30 Deg)	None					42			
17	Antenna Wi (60 Deg)	None					42			
18	Antenna Wi (90 Deg)	None					42			
19	Antenna Wi (120 Deg)	None					42			
20	Antenna Wi (150 Deg)	None					42			
21	Antenna Wi (180 Deg)	None					42			
22	Antenna Wi (210 Deg)	None					42			
23	Antenna Wi (240 Deg)	None					42			
24	Antenna Wi (270 Deg)	None					42			
25	Antenna Wi (300 Deg)	None					42			
26	Antenna Wi (330 Deg)	None					42			
27	Antenna Wm (0 Deg)	None					42			
28	Antenna Wm (30 Deg)	None					42			
29	Antenna Wm (60 Deg)	None					42			
30	Antenna Wm (90 Deg)	None					42			
31	Antenna Wm (120 De...	None					42			
32	Antenna Wm (150 De...	None					42			
33	Antenna Wm (180 De...	None					42			
34	Antenna Wm (210 De...	None					42			
35	Antenna Wm (240 De...	None					42			
36	Antenna Wm (270 De...	None					42			
37	Antenna Wm (300 De...	None					42			
38	Antenna Wm (330 De...	None					42			
39	Structure D	None		-1						
40	Structure Di	None						31		
41	Structure Wo (0 Deg)	None						62		
42	Structure Wo (30 Deg)	None						62		
43	Structure Wo (60 Deg)	None						62		
44	Structure Wo (90 Deg)	None						62		
45	Structure Wo (120 D...	None						62		
46	Structure Wo (150 D...	None						62		
47	Structure Wo (180 D...	None						62		
48	Structure Wo (210 D...	None						62		
49	Structure Wo (240 D...	None						62		
50	Structure Wo (270 D...	None						62		
51	Structure Wo (300 D...	None						62		
52	Structure Wo (330 D...	None						62		
53	Structure Wi (0 Deg)	None						62		
54	Structure Wi (30 Deg)	None						62		
55	Structure Wi (60 Deg)	None						62		
56	Structure Wi (90 Deg)	None						62		

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

Load Combinations

	Description	So...	PDelta	S...	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 ...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30..	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60..	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90..	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (12..	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (15..	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (18..	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (21..	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (24..	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (27..	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (30..	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (33..	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N2	-15	0	48	0	
2	N3	141	0	48	0	
3	N5	-15	36	48	0	
4	N6	141	36	48	0	
5	N7	39	0	48	0	
6	N8	39	36	48	0	
7	N9	87	0	48	0	
8	N10	87	36	48	0	
9	N11	135	0	48	0	
10	N12	135	36	48	0	
11	N13	-9	0	48	0	
12	N14	-9	36	48	0	
13	N15	39	0	51	0	
14	N16	39	36	51	0	
15	N17	87	0	51	0	
16	N18	87	36	51	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
17	N19	135	0	51	0	
18	N20	135	36	51	0	
19	N21	-9	0	51	0	
20	N22	-9	36	51	0	
21	N23	39	72	51	0	
22	N24	87	72	51	0	
23	N25	135	72	51	0	
24	N26	-9	72	51	0	
25	N27	39	-48	51	0	
26	N28	87	-48	51	0	
27	N29	135	-48	51	0	
28	N30	-9	-48	51	0	
29	N31	17.	0	48	0	
30	N32	17.	36	48	0	
31	N33	109.	0	48	0	
32	N34	109.	36	48	0	
33	N35	63	0	9	0	
34	N36	63	36	9	0	
35	N37	63	0	18	0	
36	N38	63	36	18	0	
37	N39	17.	0	43.	0	
38	N40	17.	36	43.	0	
39	N41	109.	0	43.	0	
40	N42	109.	36	43.	0	
41	N45	54.5	0	18	0	
42	N46	54.5	36	18	0	
43	N49	71.5	0	18	0	
44	N50	71.5	36	18	0	
45	N49A	19.496151	36	41.335899	0	
46	N50A	106.503849	36	41.335899	0	
47	N51	106.503849	0	41.335899	0	
48	N52	19.496151	0	41.335899	0	
49	N55	104.839749	0	40.226499	0	
50	N56	21.160251	0	40.226499	0	
51	N57	51.946112	36	19.702592	0	
52	N58	74.053888	36	19.702592	0	
53	N59	74.053888	0	19.702592	0	
54	N60	51.946112	0	19.702592	0	
55	N61	50.282012	36	20.811992	0	
56	N62	75.717988	36	20.811992	0	
57	N233	18.664101	36	41.8906	0	
58	N234	107.335899	36	41.8906	0	
59	N235	107.335899	0	41.8906	0	
60	N236	18.664101	0	41.8906	0	
61	N245	53.610213	36	18.593191	0	
62	N246	72.389787	36	18.593191	0	
63	N247	72.389787	0	18.593191	0	
64	N248	53.610213	0	18.593191	0	
65	N67	26.626933	42	-12	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Face Horizontals	HSS2.375X0....	Beam	Pipe	A572 Gr.50	Typical	1.39	.824	.824	1.65
3	Stabilizer	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
4	V Horizontals	HSS2.375X0....	Beam	Pipe	A572 Gr.50	Typical	1.39	.824	.824	1.65
5	Inner Bracing	BAR0.75	Column	BAR	A572 Gr.50	Typical	.442	.016	.016	.031
6	Standoff Plate	RE3.6875X0.5	Beam	RECT	A572 Gr.50	Typical	1.844	.038	2.089	.141
7	Face Horizontal Plate	RE6X0.5	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
8	Tower Connection Plate	RE5.625X0.625	Beam	RECT	A572 Gr.50	Typical	3.516	.114	9.27	.426
9	TES V hori	PIPE_2.0	Beam	Single Angle	A36 Gr.36	Typical	1.02	.627	.627	1.25
10	TES Standoff Plate	PL1/2X4	Beam	Single Angle	A36 Gr.36	Typical	2	.042	2.667	.154
11	TES Face Horizontal Plate	PL1/2x6	Beam	Single Angle	A36 Gr.36	Typical	3	.063	9	.237
12	TES Inner Bracing	SR_0.75	Beam	Single Angle	A36 Gr.36	Typical	.442	.016	.016	.031
13	TES Tower Connection Plate	PL1/2x6	Beam	Single Angle	A36 Gr.36	Typical	3	.063	9	.237

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
2	A53 Gr. B	29000	11154	.3	.65	.49	35	1.5	60	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
5	A500 Gr. B 42	29000	11154	.3	.65	.49	42	1.4	58	1.3
6	A500 Gr. B 46	29000	11154	.3	.65	.49	46	1.4	58	1.3
7	A500 Gr.42	29000	11154	.3	.65	.49	42	1.4	58	1.3
8	A500 Gr.46	29000	11154	.3	.65	.49	46	1.4	58	1.3
9	A500 Gr. C	29000	11154	.3	.65	.49	50	1.5	62	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N3			Face Horizont...	Beam	Pipe	A572 Gr.50	Typical
2	M2	N5	N6			Face Horizont...	Beam	Pipe	A572 Gr.50	Typical
3	M3	N14	N22			RIGID	None	None	RIGID	Typical
4	M4	N13	N21			RIGID	None	None	RIGID	Typical
5	M5	N7	N15			RIGID	None	None	RIGID	Typical
6	M6	N8	N16			RIGID	None	None	RIGID	Typical
7	M7	N10	N18			RIGID	None	None	RIGID	Typical
8	M8	N12	N20			RIGID	None	None	RIGID	Typical
9	M9	N11	N19			RIGID	None	None	RIGID	Typical
10	M10	N9	N17			RIGID	None	None	RIGID	Typical
11	MP4A	N26	N30			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
12	MP3A	N23	N27			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
13	MP2A	N24	N28			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
14	MP1A	N25	N29			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
15	M15	N40	N233		90	Standoff Plate	Beam	RECT	A572 Gr.50	Typical
16	M16	N42	N234		90	Standoff Plate	Beam	RECT	A572 Gr.50	Typical
17	M17	N41	N235		90	Standoff Plate	Beam	RECT	A572 Gr.50	Typical
18	M18	N39	N236		90	Standoff Plate	Beam	RECT	A572 Gr.50	Typical
19	M23	N37	N35			RIGID	None	None	RIGID	Typical
20	M24	N38	N36			RIGID	None	None	RIGID	Typical
21	M26	N40	N32		90	Face Horizont...	Beam	RECT	A36 Gr.36	Typical
22	M27	N39	N31		90	Face Horizont...	Beam	RECT	A36 Gr.36	Typical
23	M28	N41	N33		90	Face Horizont...	Beam	RECT	A36 Gr.36	Typical
24	M29	N42	N34		90	Face Horizont...	Beam	RECT	A36 Gr.36	Typical
25	M30	N58	N59			Inner Bracing	Column	BAR	A572 Gr.50	Typical
26	M31	N62	N55			Inner Bracing	Column	BAR	A572 Gr.50	Typical
27	M32	N50A	N51			Inner Bracing	Column	BAR	A572 Gr.50	Typical
28	M33	N57	N60			Inner Bracing	Column	BAR	A572 Gr.50	Typical
29	M34	N61	N56			Inner Bracing	Column	BAR	A572 Gr.50	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
30	M35	N49A	N52			Inner Bracing	Column	BAR	A572 Gr.50	Typical
31	M115	N233	N245			V Horizontals	Beam	Pipe	A572 Gr.50	Typical
32	OVP	N234	N246			V Horizontals	Beam	Pipe	A572 Gr.50	Typical
33	M117	N235	N247			V Horizontals	Beam	Pipe	A572 Gr.50	Typical
34	M118	N236	N248			V Horizontals	Beam	Pipe	A572 Gr.50	Typical
35	M127	N245	N46		90	Standoff Plate	Beam	RECT	A572 Gr.50	Typical
36	M128	N246	N50		90	Standoff Plate	Beam	RECT	A572 Gr.50	Typical
37	M129	N247	N49		90	Standoff Plate	Beam	RECT	A572 Gr.50	Typical
38	M130	N248	N45		90	Standoff Plate	Beam	RECT	A572 Gr.50	Typical
39	M40	N46	N50		90	Tower Connec...	Beam	RECT	A572 Gr.50	Typical
40	M41	N45	N49		90	Tower Connec...	Beam	RECT	A572 Gr.50	Typical
41	M41A	N32	N67			Stabilizer	Beam	Pipe	A53 Gr. B	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				None
2	M2						Yes	Default			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	MP4A						Yes	** NA **			None
12	MP3A						Yes	** NA **			None
13	MP2A						Yes	** NA **			None
14	MP1A						Yes	** NA **			None
15	M15	BenPIN					Yes				None
16	M16	BenPIN					Yes				None
17	M17	BenPIN					Yes				None
18	M18	BenPIN					Yes				None
19	M23						Yes	** NA **			None
20	M24						Yes	** NA **			None
21	M26				3		Yes				None
22	M27				3		Yes				None
23	M28				3		Yes				None
24	M29				3		Yes				None
25	M30						Yes	** NA **			None
26	M31						Yes	** NA **			None
27	M32						Yes	** NA **			None
28	M33						Yes	** NA **			None
29	M34						Yes	** NA **			None
30	M35						Yes	** NA **			None
31	M115						Yes				None
32	OVP						Yes				None
33	M117						Yes				None
34	M118						Yes				None
35	M127						Yes				None
36	M128						Yes				None
37	M129						Yes				None
38	M130						Yes				None
39	M40			2.5	2.5		Yes				None
40	M41			2.5	2.5		Yes				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...
41	M41A						Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Y	-43.55	36
2	MP2A	My	-.022	36
3	MP2A	Mz	0	36
4	MP2A	Y	-43.55	60
5	MP2A	My	-.022	60
6	MP2A	Mz	0	60
7	MP3A	Y	-31.65	18
8	MP3A	My	-.016	18
9	MP3A	Mz	.018	18
10	MP3A	Y	-31.65	78
11	MP3A	My	-.016	78
12	MP3A	Mz	.018	78
13	MP3A	Y	-31.65	18
14	MP3A	My	-.016	18
15	MP3A	Mz	-.018	18
16	MP3A	Y	-31.65	78
17	MP3A	My	-.016	78
18	MP3A	Mz	-.018	78
19	MP2A	Y	-84.4	54
20	MP2A	My	.042	54
21	MP2A	Mz	0	54
22	MP3A	Y	-70.3	54
23	MP3A	My	.035	54
24	MP3A	Mz	0	54
25	OVP	Y	-32	15
26	OVP	My	0	15
27	OVP	Mz	0	15
28	MP2A	Y	-20.8	30
29	MP2A	My	.01	30
30	MP2A	Mz	0	30
31	MP1A	Y	-6	24
32	MP1A	My	-.003	24
33	MP1A	Mz	0	24
34	MP1A	Y	-6	72
35	MP1A	My	-.003	72
36	MP1A	Mz	0	72
37	MP4A	Y	-6	24
38	MP4A	My	-.003	24
39	MP4A	Mz	0	24
40	MP4A	Y	-6	72
41	MP4A	My	-.003	72
42	MP4A	Mz	0	72

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Y	-35.65	36
2	MP2A	My	-.018	36
3	MP2A	Mz	0	36
4	MP2A	Y	-35.65	60
5	MP2A	My	-.018	60
6	MP2A	Mz	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
7	MP3A	Y	-70.018	18
8	MP3A	My	-.035	18
9	MP3A	Mz	.041	18
10	MP3A	Y	-70.018	78
11	MP3A	My	-.035	78
12	MP3A	Mz	.041	78
13	MP3A	Y	-70.018	18
14	MP3A	My	-.035	18
15	MP3A	Mz	-.041	18
16	MP3A	Y	-70.018	78
17	MP3A	My	-.035	78
18	MP3A	Mz	-.041	78
19	MP2A	Y	-44.947	54
20	MP2A	My	.022	54
21	MP2A	Mz	0	54
22	MP3A	Y	-40.421	54
23	MP3A	My	.02	54
24	MP3A	Mz	0	54
25	OVP	Y	-76.027	15
26	OVP	My	0	15
27	OVP	Mz	0	15
28	MP2A	Y	-10.753	30
29	MP2A	My	.005	30
30	MP2A	Mz	0	30
31	MP1A	Y	-40.337	24
32	MP1A	My	-.02	24
33	MP1A	Mz	0	24
34	MP1A	Y	-40.337	72
35	MP1A	My	-.02	72
36	MP1A	Mz	0	72
37	MP4A	Y	-40.337	24
38	MP4A	My	-.02	24
39	MP4A	Mz	0	24
40	MP4A	Y	-40.337	72
41	MP4A	My	-.02	72
42	MP4A	Mz	0	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	36
2	MP2A	Z	-80.059	36
3	MP2A	Mx	0	36
4	MP2A	X	0	60
5	MP2A	Z	-80.059	60
6	MP2A	Mx	0	60
7	MP3A	X	0	18
8	MP3A	Z	-155.179	18
9	MP3A	Mx	-.091	18
10	MP3A	X	0	78
11	MP3A	Z	-155.179	78
12	MP3A	Mx	-.091	78
13	MP3A	X	0	18
14	MP3A	Z	-155.179	18
15	MP3A	Mx	.091	18
16	MP3A	X	0	78
17	MP3A	Z	-155.179	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
18	MP3A	Mx	.091	78
19	MP2A	X	0	54
20	MP2A	Z	-63.707	54
21	MP2A	Mx	0	54
22	MP3A	X	0	54
23	MP3A	Z	-63.707	54
24	MP3A	Mx	0	54
25	OVP	X	0	15
26	OVP	Z	-118.204	15
27	OVP	Mx	0	15
28	MP2A	X	0	30
29	MP2A	Z	-12.605	30
30	MP2A	Mx	0	30
31	MP1A	X	0	24
32	MP1A	Z	-44.458	24
33	MP1A	Mx	0	24
34	MP1A	X	0	72
35	MP1A	Z	-44.458	72
36	MP1A	Mx	0	72
37	MP4A	X	0	24
38	MP4A	Z	-44.458	24
39	MP4A	Mx	0	24
40	MP4A	X	0	72
41	MP4A	Z	-44.458	72
42	MP4A	Mx	0	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	33.94	36
2	MP2A	Z	-58.786	36
3	MP2A	Mx	-.017	36
4	MP2A	X	33.94	60
5	MP2A	Z	-58.786	60
6	MP2A	Mx	-.017	60
7	MP3A	X	70.932	18
8	MP3A	Z	-122.858	18
9	MP3A	Mx	-.107	18
10	MP3A	X	70.932	78
11	MP3A	Z	-122.858	78
12	MP3A	Mx	-.107	78
13	MP3A	X	70.932	18
14	MP3A	Z	-122.858	18
15	MP3A	Mx	.036	18
16	MP3A	X	70.932	78
17	MP3A	Z	-122.858	78
18	MP3A	Mx	.036	78
19	MP2A	X	29.213	54
20	MP2A	Z	-50.599	54
21	MP2A	Mx	.015	54
22	MP3A	X	28.202	54
23	MP3A	Z	-48.847	54
24	MP3A	Mx	.014	54
25	OVP	X	48.189	15
26	OVP	Z	-83.466	15
27	OVP	Mx	0	15
28	MP2A	X	5.817	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
29	MP2A	Z	-10.075	30
30	MP2A	Mx	.003	30
31	MP1A	X	28.167	24
32	MP1A	Z	-48.787	24
33	MP1A	Mx	-.014	24
34	MP1A	X	28.167	72
35	MP1A	Z	-48.787	72
36	MP1A	Mx	-.014	72
37	MP4A	X	28.167	24
38	MP4A	Z	-48.787	24
39	MP4A	Mx	-.014	24
40	MP4A	X	28.167	72
41	MP4A	Z	-48.787	72
42	MP4A	Mx	-.014	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	37.691	36
2	MP2A	Z	-21.761	36
3	MP2A	Mx	-.019	36
4	MP2A	X	37.691	60
5	MP2A	Z	-21.761	60
6	MP2A	Mx	-.019	60
7	MP3A	X	99.796	18
8	MP3A	Z	-57.617	18
9	MP3A	Mx	-.084	18
10	MP3A	X	99.796	78
11	MP3A	Z	-57.617	78
12	MP3A	Mx	-.084	78
13	MP3A	X	99.796	18
14	MP3A	Z	-57.617	18
15	MP3A	Mx	-.016	18
16	MP3A	X	99.796	78
17	MP3A	Z	-57.617	78
18	MP3A	Mx	-.016	78
19	MP2A	X	41.452	54
20	MP2A	Z	-23.933	54
21	MP2A	Mx	.021	54
22	MP3A	X	36.197	54
23	MP3A	Z	-20.898	54
24	MP3A	Mx	.018	54
25	OVP	X	74.015	15
26	OVP	Z	-42.733	15
27	OVP	Mx	0	15
28	MP2A	X	8.394	30
29	MP2A	Z	-4.846	30
30	MP2A	Mx	.004	30
31	MP1A	X	69.358	24
32	MP1A	Z	-40.044	24
33	MP1A	Mx	-.035	24
34	MP1A	X	69.358	72
35	MP1A	Z	-40.044	72
36	MP1A	Mx	-.035	72
37	MP4A	X	69.358	24
38	MP4A	Z	-40.044	24
39	MP4A	Mx	-.035	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
40	MP4A	X	69.358	72
41	MP4A	Z	-40.044	72
42	MP4A	Mx	-.035	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	31.343	36
2	MP2A	Z	0	36
3	MP2A	Mx	-.016	36
4	MP2A	X	31.343	60
5	MP2A	Z	0	60
6	MP2A	Mx	-.016	60
7	MP3A	X	101.919	18
8	MP3A	Z	0	18
9	MP3A	Mx	-.051	18
10	MP3A	X	101.919	78
11	MP3A	Z	0	78
12	MP3A	Mx	-.051	78
13	MP3A	X	101.919	18
14	MP3A	Z	0	18
15	MP3A	Mx	-.051	18
16	MP3A	X	101.919	78
17	MP3A	Z	0	78
18	MP3A	Mx	-.051	78
19	MP2A	X	42.585	54
20	MP2A	Z	0	54
21	MP2A	Mx	.021	54
22	MP3A	X	34.494	54
23	MP3A	Z	0	54
24	MP3A	Mx	.017	54
25	OVP	X	96.378	15
26	OVP	Z	0	15
27	OVP	Mx	0	15
28	MP2A	X	8.721	30
29	MP2A	Z	0	30
30	MP2A	Mx	.004	30
31	MP1A	X	91.964	24
32	MP1A	Z	0	24
33	MP1A	Mx	-.046	24
34	MP1A	X	91.964	72
35	MP1A	Z	0	72
36	MP1A	Mx	-.046	72
37	MP4A	X	91.964	24
38	MP4A	Z	0	24
39	MP4A	Mx	-.046	24
40	MP4A	X	91.964	72
41	MP4A	Z	0	72
42	MP4A	Mx	-.046	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	37.691	36
2	MP2A	Z	21.761	36
3	MP2A	Mx	-.019	36
4	MP2A	X	37.691	60
5	MP2A	Z	21.761	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
6	MP2A	Mx	-.019	60
7	MP3A	X	99.796	18
8	MP3A	Z	57.617	18
9	MP3A	Mx	-.016	18
10	MP3A	X	99.796	78
11	MP3A	Z	57.617	78
12	MP3A	Mx	-.016	78
13	MP3A	X	99.796	18
14	MP3A	Z	57.617	18
15	MP3A	Mx	-.084	18
16	MP3A	X	99.796	78
17	MP3A	Z	57.617	78
18	MP3A	Mx	-.084	78
19	MP2A	X	41.452	54
20	MP2A	Z	23.933	54
21	MP2A	Mx	.021	54
22	MP3A	X	36.197	54
23	MP3A	Z	20.898	54
24	MP3A	Mx	.018	54
25	OVP	X	102.367	15
26	OVP	Z	59.102	15
27	OVP	Mx	0	15
28	MP2A	X	8.394	30
29	MP2A	Z	4.846	30
30	MP2A	Mx	.004	30
31	MP1A	X	69.358	24
32	MP1A	Z	40.044	24
33	MP1A	Mx	-.035	24
34	MP1A	X	69.358	72
35	MP1A	Z	40.044	72
36	MP1A	Mx	-.035	72
37	MP4A	X	69.358	24
38	MP4A	Z	40.044	24
39	MP4A	Mx	-.035	24
40	MP4A	X	69.358	72
41	MP4A	Z	40.044	72
42	MP4A	Mx	-.035	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	33.94	36
2	MP2A	Z	58.786	36
3	MP2A	Mx	-.017	36
4	MP2A	X	33.94	60
5	MP2A	Z	58.786	60
6	MP2A	Mx	-.017	60
7	MP3A	X	70.932	18
8	MP3A	Z	122.858	18
9	MP3A	Mx	.036	18
10	MP3A	X	70.932	78
11	MP3A	Z	122.858	78
12	MP3A	Mx	.036	78
13	MP3A	X	70.932	18
14	MP3A	Z	122.858	18
15	MP3A	Mx	-.107	18
16	MP3A	X	70.932	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP3A	Z	122.858	78
18	MP3A	Mx	-.107	78
19	MP2A	X	29.213	54
20	MP2A	Z	50.599	54
21	MP2A	Mx	.015	54
22	MP3A	X	28.202	54
23	MP3A	Z	48.847	54
24	MP3A	Mx	.014	54
25	OVP	X	64.558	15
26	OVP	Z	111.818	15
27	OVP	Mx	0	15
28	MP2A	X	5.817	30
29	MP2A	Z	10.075	30
30	MP2A	Mx	.003	30
31	MP1A	X	28.167	24
32	MP1A	Z	48.787	24
33	MP1A	Mx	-.014	24
34	MP1A	X	28.167	72
35	MP1A	Z	48.787	72
36	MP1A	Mx	-.014	72
37	MP4A	X	28.167	24
38	MP4A	Z	48.787	24
39	MP4A	Mx	-.014	24
40	MP4A	X	28.167	72
41	MP4A	Z	48.787	72
42	MP4A	Mx	-.014	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	36
2	MP2A	Z	80.059	36
3	MP2A	Mx	0	36
4	MP2A	X	0	60
5	MP2A	Z	80.059	60
6	MP2A	Mx	0	60
7	MP3A	X	0	18
8	MP3A	Z	155.179	18
9	MP3A	Mx	.091	18
10	MP3A	X	0	78
11	MP3A	Z	155.179	78
12	MP3A	Mx	.091	78
13	MP3A	X	0	18
14	MP3A	Z	155.179	18
15	MP3A	Mx	-.091	18
16	MP3A	X	0	78
17	MP3A	Z	155.179	78
18	MP3A	Mx	-.091	78
19	MP2A	X	0	54
20	MP2A	Z	63.707	54
21	MP2A	Mx	0	54
22	MP3A	X	0	54
23	MP3A	Z	63.707	54
24	MP3A	Mx	0	54
25	OVP	X	0	15
26	OVP	Z	118.204	15
27	OVP	Mx	0	15

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
28	MP2A	X	0	30
29	MP2A	Z	12.605	30
30	MP2A	Mx	0	30
31	MP1A	X	0	24
32	MP1A	Z	44.458	24
33	MP1A	Mx	0	24
34	MP1A	X	0	72
35	MP1A	Z	44.458	72
36	MP1A	Mx	0	72
37	MP4A	X	0	24
38	MP4A	Z	44.458	24
39	MP4A	Mx	0	24
40	MP4A	X	0	72
41	MP4A	Z	44.458	72
42	MP4A	Mx	0	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-33.94	36
2	MP2A	Z	58.786	36
3	MP2A	Mx	.017	36
4	MP2A	X	-33.94	60
5	MP2A	Z	58.786	60
6	MP2A	Mx	.017	60
7	MP3A	X	-70.932	18
8	MP3A	Z	122.858	18
9	MP3A	Mx	.107	18
10	MP3A	X	-70.932	78
11	MP3A	Z	122.858	78
12	MP3A	Mx	.107	78
13	MP3A	X	-70.932	18
14	MP3A	Z	122.858	18
15	MP3A	Mx	-.036	18
16	MP3A	X	-70.932	78
17	MP3A	Z	122.858	78
18	MP3A	Mx	-.036	78
19	MP2A	X	-29.213	54
20	MP2A	Z	50.599	54
21	MP2A	Mx	-.015	54
22	MP3A	X	-28.202	54
23	MP3A	Z	48.847	54
24	MP3A	Mx	-.014	54
25	OVP	X	-48.189	15
26	OVP	Z	83.466	15
27	OVP	Mx	0	15
28	MP2A	X	-5.817	30
29	MP2A	Z	10.075	30
30	MP2A	Mx	-.003	30
31	MP1A	X	-28.167	24
32	MP1A	Z	48.787	24
33	MP1A	Mx	.014	24
34	MP1A	X	-28.167	72
35	MP1A	Z	48.787	72
36	MP1A	Mx	.014	72
37	MP4A	X	-28.167	24
38	MP4A	Z	48.787	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
39	MP4A	Mx	.014	24
40	MP4A	X	-28.167	72
41	MP4A	Z	48.787	72
42	MP4A	Mx	.014	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-37.691	36
2	MP2A	Z	21.761	36
3	MP2A	Mx	.019	36
4	MP2A	X	-37.691	60
5	MP2A	Z	21.761	60
6	MP2A	Mx	.019	60
7	MP3A	X	-99.796	18
8	MP3A	Z	57.617	18
9	MP3A	Mx	.084	18
10	MP3A	X	-99.796	78
11	MP3A	Z	57.617	78
12	MP3A	Mx	.084	78
13	MP3A	X	-99.796	18
14	MP3A	Z	57.617	18
15	MP3A	Mx	.016	18
16	MP3A	X	-99.796	78
17	MP3A	Z	57.617	78
18	MP3A	Mx	.016	78
19	MP2A	X	-41.452	54
20	MP2A	Z	23.933	54
21	MP2A	Mx	-.021	54
22	MP3A	X	-36.197	54
23	MP3A	Z	20.898	54
24	MP3A	Mx	-.018	54
25	OVP	X	-74.015	15
26	OVP	Z	42.733	15
27	OVP	Mx	0	15
28	MP2A	X	-8.394	30
29	MP2A	Z	4.846	30
30	MP2A	Mx	-.004	30
31	MP1A	X	-69.358	24
32	MP1A	Z	40.044	24
33	MP1A	Mx	.035	24
34	MP1A	X	-69.358	72
35	MP1A	Z	40.044	72
36	MP1A	Mx	.035	72
37	MP4A	X	-69.358	24
38	MP4A	Z	40.044	24
39	MP4A	Mx	.035	24
40	MP4A	X	-69.358	72
41	MP4A	Z	40.044	72
42	MP4A	Mx	.035	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-31.343	36
2	MP2A	Z	0	36
3	MP2A	Mx	.016	36
4	MP2A	X	-31.343	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
5	MP2A	Z	0	60
6	MP2A	Mx	.016	60
7	MP3A	X	-101.919	18
8	MP3A	Z	0	18
9	MP3A	Mx	.051	18
10	MP3A	X	-101.919	78
11	MP3A	Z	0	78
12	MP3A	Mx	.051	78
13	MP3A	X	-101.919	18
14	MP3A	Z	0	18
15	MP3A	Mx	.051	18
16	MP3A	X	-101.919	78
17	MP3A	Z	0	78
18	MP3A	Mx	.051	78
19	MP2A	X	-42.585	54
20	MP2A	Z	0	54
21	MP2A	Mx	-.021	54
22	MP3A	X	-34.494	54
23	MP3A	Z	0	54
24	MP3A	Mx	-.017	54
25	OVP	X	-96.378	15
26	OVP	Z	0	15
27	OVP	Mx	0	15
28	MP2A	X	-8.721	30
29	MP2A	Z	0	30
30	MP2A	Mx	-.004	30
31	MP1A	X	-91.964	24
32	MP1A	Z	0	24
33	MP1A	Mx	.046	24
34	MP1A	X	-91.964	72
35	MP1A	Z	0	72
36	MP1A	Mx	.046	72
37	MP4A	X	-91.964	24
38	MP4A	Z	0	24
39	MP4A	Mx	.046	24
40	MP4A	X	-91.964	72
41	MP4A	Z	0	72
42	MP4A	Mx	.046	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-37.691	36
2	MP2A	Z	-21.761	36
3	MP2A	Mx	.019	36
4	MP2A	X	-37.691	60
5	MP2A	Z	-21.761	60
6	MP2A	Mx	.019	60
7	MP3A	X	-99.796	18
8	MP3A	Z	-57.617	18
9	MP3A	Mx	.016	18
10	MP3A	X	-99.796	78
11	MP3A	Z	-57.617	78
12	MP3A	Mx	.016	78
13	MP3A	X	-99.796	18
14	MP3A	Z	-57.617	18
15	MP3A	Mx	.084	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
16	MP3A	X	-99.796	78
17	MP3A	Z	-57.617	78
18	MP3A	Mx	.084	78
19	MP2A	X	-41.452	54
20	MP2A	Z	-23.933	54
21	MP2A	Mx	-.021	54
22	MP3A	X	-36.197	54
23	MP3A	Z	-20.898	54
24	MP3A	Mx	-.018	54
25	OVP	X	-102.367	15
26	OVP	Z	-59.102	15
27	OVP	Mx	0	15
28	MP2A	X	-8.394	30
29	MP2A	Z	-4.846	30
30	MP2A	Mx	-.004	30
31	MP1A	X	-69.358	24
32	MP1A	Z	-40.044	24
33	MP1A	Mx	.035	24
34	MP1A	X	-69.358	72
35	MP1A	Z	-40.044	72
36	MP1A	Mx	.035	72
37	MP4A	X	-69.358	24
38	MP4A	Z	-40.044	24
39	MP4A	Mx	.035	24
40	MP4A	X	-69.358	72
41	MP4A	Z	-40.044	72
42	MP4A	Mx	.035	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-33.94	36
2	MP2A	Z	-58.786	36
3	MP2A	Mx	.017	36
4	MP2A	X	-33.94	60
5	MP2A	Z	-58.786	60
6	MP2A	Mx	.017	60
7	MP3A	X	-70.932	18
8	MP3A	Z	-122.858	18
9	MP3A	Mx	-.036	18
10	MP3A	X	-70.932	78
11	MP3A	Z	-122.858	78
12	MP3A	Mx	-.036	78
13	MP3A	X	-70.932	18
14	MP3A	Z	-122.858	18
15	MP3A	Mx	.107	18
16	MP3A	X	-70.932	78
17	MP3A	Z	-122.858	78
18	MP3A	Mx	.107	78
19	MP2A	X	-29.213	54
20	MP2A	Z	-50.599	54
21	MP2A	Mx	-.015	54
22	MP3A	X	-28.202	54
23	MP3A	Z	-48.847	54
24	MP3A	Mx	-.014	54
25	OVP	X	-64.558	15
26	OVP	Z	-111.818	15

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
27	OVP	Mx	0	15
28	MP2A	X	-5.817	30
29	MP2A	Z	-10.075	30
30	MP2A	Mx	-.003	30
31	MP1A	X	-28.167	24
32	MP1A	Z	-48.787	24
33	MP1A	Mx	.014	24
34	MP1A	X	-28.167	72
35	MP1A	Z	-48.787	72
36	MP1A	Mx	.014	72
37	MP4A	X	-28.167	24
38	MP4A	Z	-48.787	24
39	MP4A	Mx	.014	24
40	MP4A	X	-28.167	72
41	MP4A	Z	-48.787	72
42	MP4A	Mx	.014	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	36
2	MP2A	Z	-15.445	36
3	MP2A	Mx	0	36
4	MP2A	X	0	60
5	MP2A	Z	-15.445	60
6	MP2A	Mx	0	60
7	MP3A	X	0	18
8	MP3A	Z	-29.038	18
9	MP3A	Mx	-.017	18
10	MP3A	X	0	78
11	MP3A	Z	-29.038	78
12	MP3A	Mx	-.017	78
13	MP3A	X	0	18
14	MP3A	Z	-29.038	18
15	MP3A	Mx	.017	18
16	MP3A	X	0	78
17	MP3A	Z	-29.038	78
18	MP3A	Mx	.017	78
19	MP2A	X	0	54
20	MP2A	Z	-13.018	54
21	MP2A	Mx	0	54
22	MP3A	X	0	54
23	MP3A	Z	-13.018	54
24	MP3A	Mx	0	54
25	OVP	X	0	15
26	OVP	Z	-23.08	15
27	OVP	Mx	0	15
28	MP2A	X	0	30
29	MP2A	Z	-3.16	30
30	MP2A	Mx	0	30
31	MP1A	X	0	24
32	MP1A	Z	-9.203	24
33	MP1A	Mx	0	24
34	MP1A	X	0	72
35	MP1A	Z	-9.203	72
36	MP1A	Mx	0	72
37	MP4A	X	0	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
38	MP4A	Z	-9.203	24
39	MP4A	Mx	0	24
40	MP4A	X	0	72
41	MP4A	Z	-9.203	72
42	MP4A	Mx	0	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	6.614	36
2	MP2A	Z	-11.456	36
3	MP2A	Mx	-.003	36
4	MP2A	X	6.614	60
5	MP2A	Z	-11.456	60
6	MP2A	Mx	-.003	60
7	MP3A	X	13.366	18
8	MP3A	Z	-23.15	18
9	MP3A	Mx	-.02	18
10	MP3A	X	13.366	78
11	MP3A	Z	-23.15	78
12	MP3A	Mx	-.02	78
13	MP3A	X	13.366	18
14	MP3A	Z	-23.15	18
15	MP3A	Mx	.007	18
16	MP3A	X	13.366	78
17	MP3A	Z	-23.15	78
18	MP3A	Mx	.007	78
19	MP2A	X	6.014	54
20	MP2A	Z	-10.416	54
21	MP2A	Mx	.003	54
22	MP3A	X	5.825	54
23	MP3A	Z	-10.09	54
24	MP3A	Mx	.003	54
25	OVP	X	9.561	15
26	OVP	Z	-16.559	15
27	OVP	Mx	0	15
28	MP2A	X	1.482	30
29	MP2A	Z	-2.566	30
30	MP2A	Mx	.000741	30
31	MP1A	X	5.649	24
32	MP1A	Z	-9.784	24
33	MP1A	Mx	-.003	24
34	MP1A	X	5.649	72
35	MP1A	Z	-9.784	72
36	MP1A	Mx	-.003	72
37	MP4A	X	5.649	24
38	MP4A	Z	-9.784	24
39	MP4A	Mx	-.003	24
40	MP4A	X	5.649	72
41	MP4A	Z	-9.784	72
42	MP4A	Mx	-.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	7.617	36
2	MP2A	Z	-4.398	36
3	MP2A	Mx	-.004	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
4	MP2A	X	7.617	60
5	MP2A	Z	-4.398	60
6	MP2A	Mx	-.004	60
7	MP3A	X	19.154	18
8	MP3A	Z	-11.058	18
9	MP3A	Mx	-.016	18
10	MP3A	X	19.154	78
11	MP3A	Z	-11.058	78
12	MP3A	Mx	-.016	78
13	MP3A	X	19.154	18
14	MP3A	Z	-11.058	18
15	MP3A	Mx	-.003	18
16	MP3A	X	19.154	78
17	MP3A	Z	-11.058	78
18	MP3A	Mx	-.003	78
19	MP2A	X	8.7	54
20	MP2A	Z	-5.023	54
21	MP2A	Mx	.004	54
22	MP3A	X	7.722	54
23	MP3A	Z	-4.458	54
24	MP3A	Mx	.004	54
25	OVP	X	14.845	15
26	OVP	Z	-8.571	15
27	OVP	Mx	0	15
28	MP2A	X	2.225	30
29	MP2A	Z	-1.284	30
30	MP2A	Mx	.001	30
31	MP1A	X	13.412	24
32	MP1A	Z	-7.744	24
33	MP1A	Mx	-.007	24
34	MP1A	X	13.412	72
35	MP1A	Z	-7.744	72
36	MP1A	Mx	-.007	72
37	MP4A	X	13.412	24
38	MP4A	Z	-7.744	24
39	MP4A	Mx	-.007	24
40	MP4A	X	13.412	72
41	MP4A	Z	-7.744	72
42	MP4A	Mx	-.007	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	6.58	36
2	MP2A	Z	0	36
3	MP2A	Mx	-.003	36
4	MP2A	X	6.58	60
5	MP2A	Z	0	60
6	MP2A	Mx	-.003	60
7	MP3A	X	19.809	18
8	MP3A	Z	0	18
9	MP3A	Mx	-.01	18
10	MP3A	X	19.809	78
11	MP3A	Z	0	78
12	MP3A	Mx	-.01	78
13	MP3A	X	19.809	18
14	MP3A	Z	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
15	MP3A	Mx	-.01	18
16	MP3A	X	19.809	78
17	MP3A	Z	0	78
18	MP3A	Mx	-.01	78
19	MP2A	X	9.056	54
20	MP2A	Z	0	54
21	MP2A	Mx	.005	54
22	MP3A	X	7.55	54
23	MP3A	Z	0	54
24	MP3A	Mx	.004	54
25	OVP	X	19.121	15
26	OVP	Z	0	15
27	OVP	Mx	0	15
28	MP2A	X	2.372	30
29	MP2A	Z	0	30
30	MP2A	Mx	.001	30
31	MP1A	X	17.582	24
32	MP1A	Z	0	24
33	MP1A	Mx	-.009	24
34	MP1A	X	17.582	72
35	MP1A	Z	0	72
36	MP1A	Mx	-.009	72
37	MP4A	X	17.582	24
38	MP4A	Z	0	24
39	MP4A	Mx	-.009	24
40	MP4A	X	17.582	72
41	MP4A	Z	0	72
42	MP4A	Mx	-.009	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	7.617	36
2	MP2A	Z	4.398	36
3	MP2A	Mx	-.004	36
4	MP2A	X	7.617	60
5	MP2A	Z	4.398	60
6	MP2A	Mx	-.004	60
7	MP3A	X	19.154	18
8	MP3A	Z	11.058	18
9	MP3A	Mx	-.003	18
10	MP3A	X	19.154	78
11	MP3A	Z	11.058	78
12	MP3A	Mx	-.003	78
13	MP3A	X	19.154	18
14	MP3A	Z	11.058	18
15	MP3A	Mx	-.016	18
16	MP3A	X	19.154	78
17	MP3A	Z	11.058	78
18	MP3A	Mx	-.016	78
19	MP2A	X	8.7	54
20	MP2A	Z	5.023	54
21	MP2A	Mx	.004	54
22	MP3A	X	7.722	54
23	MP3A	Z	4.458	54
24	MP3A	Mx	.004	54
25	OVP	X	19.988	15

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
26	OVP	Z	11.54	15
27	OVP	Mx	0	15
28	MP2A	X	2.225	30
29	MP2A	Z	1.284	30
30	MP2A	Mx	.001	30
31	MP1A	X	13.412	24
32	MP1A	Z	7.744	24
33	MP1A	Mx	-.007	24
34	MP1A	X	13.412	72
35	MP1A	Z	7.744	72
36	MP1A	Mx	-.007	72
37	MP4A	X	13.412	24
38	MP4A	Z	7.744	24
39	MP4A	Mx	-.007	24
40	MP4A	X	13.412	72
41	MP4A	Z	7.744	72
42	MP4A	Mx	-.007	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	6.614	36
2	MP2A	Z	11.456	36
3	MP2A	Mx	-.003	36
4	MP2A	X	6.614	60
5	MP2A	Z	11.456	60
6	MP2A	Mx	-.003	60
7	MP3A	X	13.366	18
8	MP3A	Z	23.15	18
9	MP3A	Mx	.007	18
10	MP3A	X	13.366	78
11	MP3A	Z	23.15	78
12	MP3A	Mx	.007	78
13	MP3A	X	13.366	18
14	MP3A	Z	23.15	18
15	MP3A	Mx	-.02	18
16	MP3A	X	13.366	78
17	MP3A	Z	23.15	78
18	MP3A	Mx	-.02	78
19	MP2A	X	6.014	54
20	MP2A	Z	10.416	54
21	MP2A	Mx	.003	54
22	MP3A	X	5.825	54
23	MP3A	Z	10.09	54
24	MP3A	Mx	.003	54
25	OVP	X	12.53	15
26	OVP	Z	21.702	15
27	OVP	Mx	0	15
28	MP2A	X	1.482	30
29	MP2A	Z	2.566	30
30	MP2A	Mx	.000741	30
31	MP1A	X	5.649	24
32	MP1A	Z	9.784	24
33	MP1A	Mx	-.003	24
34	MP1A	X	5.649	72
35	MP1A	Z	9.784	72
36	MP1A	Mx	-.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
37	MP4A	X	5.649	24
38	MP4A	Z	9.784	24
39	MP4A	Mx	-.003	24
40	MP4A	X	5.649	72
41	MP4A	Z	9.784	72
42	MP4A	Mx	-.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	36
2	MP2A	Z	15.445	36
3	MP2A	Mx	0	36
4	MP2A	X	0	60
5	MP2A	Z	15.445	60
6	MP2A	Mx	0	60
7	MP3A	X	0	18
8	MP3A	Z	29.038	18
9	MP3A	Mx	.017	18
10	MP3A	X	0	78
11	MP3A	Z	29.038	78
12	MP3A	Mx	.017	78
13	MP3A	X	0	18
14	MP3A	Z	29.038	18
15	MP3A	Mx	-.017	18
16	MP3A	X	0	78
17	MP3A	Z	29.038	78
18	MP3A	Mx	-.017	78
19	MP2A	X	0	54
20	MP2A	Z	13.018	54
21	MP2A	Mx	0	54
22	MP3A	X	0	54
23	MP3A	Z	13.018	54
24	MP3A	Mx	0	54
25	OVP	X	0	15
26	OVP	Z	23.08	15
27	OVP	Mx	0	15
28	MP2A	X	0	30
29	MP2A	Z	3.16	30
30	MP2A	Mx	0	30
31	MP1A	X	0	24
32	MP1A	Z	9.203	24
33	MP1A	Mx	0	24
34	MP1A	X	0	72
35	MP1A	Z	9.203	72
36	MP1A	Mx	0	72
37	MP4A	X	0	24
38	MP4A	Z	9.203	24
39	MP4A	Mx	0	24
40	MP4A	X	0	72
41	MP4A	Z	9.203	72
42	MP4A	Mx	0	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-6.614	36
2	MP2A	Z	11.456	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
3	MP2A	Mx	.003	36
4	MP2A	X	-6.614	60
5	MP2A	Z	11.456	60
6	MP2A	Mx	.003	60
7	MP3A	X	-13.366	18
8	MP3A	Z	23.15	18
9	MP3A	Mx	.02	18
10	MP3A	X	-13.366	78
11	MP3A	Z	23.15	78
12	MP3A	Mx	.02	78
13	MP3A	X	-13.366	18
14	MP3A	Z	23.15	18
15	MP3A	Mx	-.007	18
16	MP3A	X	-13.366	78
17	MP3A	Z	23.15	78
18	MP3A	Mx	-.007	78
19	MP2A	X	-6.014	54
20	MP2A	Z	10.416	54
21	MP2A	Mx	-.003	54
22	MP3A	X	-5.825	54
23	MP3A	Z	10.09	54
24	MP3A	Mx	-.003	54
25	OVP	X	-9.561	15
26	OVP	Z	16.559	15
27	OVP	Mx	0	15
28	MP2A	X	-1.482	30
29	MP2A	Z	2.566	30
30	MP2A	Mx	-.000741	30
31	MP1A	X	-5.649	24
32	MP1A	Z	9.784	24
33	MP1A	Mx	.003	24
34	MP1A	X	-5.649	72
35	MP1A	Z	9.784	72
36	MP1A	Mx	.003	72
37	MP4A	X	-5.649	24
38	MP4A	Z	9.784	24
39	MP4A	Mx	.003	24
40	MP4A	X	-5.649	72
41	MP4A	Z	9.784	72
42	MP4A	Mx	.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-7.617	36
2	MP2A	Z	4.398	36
3	MP2A	Mx	.004	36
4	MP2A	X	-7.617	60
5	MP2A	Z	4.398	60
6	MP2A	Mx	.004	60
7	MP3A	X	-19.154	18
8	MP3A	Z	11.058	18
9	MP3A	Mx	.016	18
10	MP3A	X	-19.154	78
11	MP3A	Z	11.058	78
12	MP3A	Mx	.016	78
13	MP3A	X	-19.154	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
14	MP3A	Z	11.058	18
15	MP3A	Mx	.003	18
16	MP3A	X	-19.154	78
17	MP3A	Z	11.058	78
18	MP3A	Mx	.003	78
19	MP2A	X	-8.7	54
20	MP2A	Z	5.023	54
21	MP2A	Mx	-.004	54
22	MP3A	X	-7.722	54
23	MP3A	Z	4.458	54
24	MP3A	Mx	-.004	54
25	OVP	X	-14.845	15
26	OVP	Z	8.571	15
27	OVP	Mx	0	15
28	MP2A	X	-2.225	30
29	MP2A	Z	1.284	30
30	MP2A	Mx	-.001	30
31	MP1A	X	-13.412	24
32	MP1A	Z	7.744	24
33	MP1A	Mx	.007	24
34	MP1A	X	-13.412	72
35	MP1A	Z	7.744	72
36	MP1A	Mx	.007	72
37	MP4A	X	-13.412	24
38	MP4A	Z	7.744	24
39	MP4A	Mx	.007	24
40	MP4A	X	-13.412	72
41	MP4A	Z	7.744	72
42	MP4A	Mx	.007	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-6.58	36
2	MP2A	Z	0	36
3	MP2A	Mx	.003	36
4	MP2A	X	-6.58	60
5	MP2A	Z	0	60
6	MP2A	Mx	.003	60
7	MP3A	X	-19.809	18
8	MP3A	Z	0	18
9	MP3A	Mx	.01	18
10	MP3A	X	-19.809	78
11	MP3A	Z	0	78
12	MP3A	Mx	.01	78
13	MP3A	X	-19.809	18
14	MP3A	Z	0	18
15	MP3A	Mx	.01	18
16	MP3A	X	-19.809	78
17	MP3A	Z	0	78
18	MP3A	Mx	.01	78
19	MP2A	X	-9.056	54
20	MP2A	Z	0	54
21	MP2A	Mx	-.005	54
22	MP3A	X	-7.55	54
23	MP3A	Z	0	54
24	MP3A	Mx	-.004	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	OVP	X	-19.121	15
26	OVP	Z	0	15
27	OVP	Mx	0	15
28	MP2A	X	-2.372	30
29	MP2A	Z	0	30
30	MP2A	Mx	-.001	30
31	MP1A	X	-17.582	24
32	MP1A	Z	0	24
33	MP1A	Mx	.009	24
34	MP1A	X	-17.582	72
35	MP1A	Z	0	72
36	MP1A	Mx	.009	72
37	MP4A	X	-17.582	24
38	MP4A	Z	0	24
39	MP4A	Mx	.009	24
40	MP4A	X	-17.582	72
41	MP4A	Z	0	72
42	MP4A	Mx	.009	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-7.617	36
2	MP2A	Z	-4.398	36
3	MP2A	Mx	.004	36
4	MP2A	X	-7.617	60
5	MP2A	Z	-4.398	60
6	MP2A	Mx	.004	60
7	MP3A	X	-19.154	18
8	MP3A	Z	-11.058	18
9	MP3A	Mx	.003	18
10	MP3A	X	-19.154	78
11	MP3A	Z	-11.058	78
12	MP3A	Mx	.003	78
13	MP3A	X	-19.154	18
14	MP3A	Z	-11.058	18
15	MP3A	Mx	.016	18
16	MP3A	X	-19.154	78
17	MP3A	Z	-11.058	78
18	MP3A	Mx	.016	78
19	MP2A	X	-8.7	54
20	MP2A	Z	-5.023	54
21	MP2A	Mx	-.004	54
22	MP3A	X	-7.722	54
23	MP3A	Z	-4.458	54
24	MP3A	Mx	-.004	54
25	OVP	X	-19.988	15
26	OVP	Z	-11.54	15
27	OVP	Mx	0	15
28	MP2A	X	-2.225	30
29	MP2A	Z	-1.284	30
30	MP2A	Mx	-.001	30
31	MP1A	X	-13.412	24
32	MP1A	Z	-7.744	24
33	MP1A	Mx	.007	24
34	MP1A	X	-13.412	72
35	MP1A	Z	-7.744	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
36	MP1A	Mx	.007	72
37	MP4A	X	-13.412	24
38	MP4A	Z	-7.744	24
39	MP4A	Mx	.007	24
40	MP4A	X	-13.412	72
41	MP4A	Z	-7.744	72
42	MP4A	Mx	.007	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-6.614	36
2	MP2A	Z	-11.456	36
3	MP2A	Mx	.003	36
4	MP2A	X	-6.614	60
5	MP2A	Z	-11.456	60
6	MP2A	Mx	.003	60
7	MP3A	X	-13.366	18
8	MP3A	Z	-23.15	18
9	MP3A	Mx	-.007	18
10	MP3A	X	-13.366	78
11	MP3A	Z	-23.15	78
12	MP3A	Mx	-.007	78
13	MP3A	X	-13.366	18
14	MP3A	Z	-23.15	18
15	MP3A	Mx	.02	18
16	MP3A	X	-13.366	78
17	MP3A	Z	-23.15	78
18	MP3A	Mx	.02	78
19	MP2A	X	-6.014	54
20	MP2A	Z	-10.416	54
21	MP2A	Mx	-.003	54
22	MP3A	X	-5.825	54
23	MP3A	Z	-10.09	54
24	MP3A	Mx	-.003	54
25	OVP	X	-12.53	15
26	OVP	Z	-21.702	15
27	OVP	Mx	0	15
28	MP2A	X	-1.482	30
29	MP2A	Z	-2.566	30
30	MP2A	Mx	-.000741	30
31	MP1A	X	-5.649	24
32	MP1A	Z	-9.784	24
33	MP1A	Mx	.003	24
34	MP1A	X	-5.649	72
35	MP1A	Z	-9.784	72
36	MP1A	Mx	.003	72
37	MP4A	X	-5.649	24
38	MP4A	Z	-9.784	24
39	MP4A	Mx	.003	24
40	MP4A	X	-5.649	72
41	MP4A	Z	-9.784	72
42	MP4A	Mx	.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	36

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
2	MP2A	Z	-4.921	36
3	MP2A	Mx	0	36
4	MP2A	X	0	60
5	MP2A	Z	-4.921	60
6	MP2A	Mx	0	60
7	MP3A	X	0	18
8	MP3A	Z	-9.539	18
9	MP3A	Mx	-.006	18
10	MP3A	X	0	78
11	MP3A	Z	-9.539	78
12	MP3A	Mx	-.006	78
13	MP3A	X	0	18
14	MP3A	Z	-9.539	18
15	MP3A	Mx	.006	18
16	MP3A	X	0	78
17	MP3A	Z	-9.539	78
18	MP3A	Mx	.006	78
19	MP2A	X	0	54
20	MP2A	Z	-3.916	54
21	MP2A	Mx	0	54
22	MP3A	X	0	54
23	MP3A	Z	-3.916	54
24	MP3A	Mx	0	54
25	OVP	X	0	15
26	OVP	Z	-7.266	15
27	OVP	Mx	0	15
28	MP2A	X	0	30
29	MP2A	Z	-.775	30
30	MP2A	Mx	0	30
31	MP1A	X	0	24
32	MP1A	Z	-2.733	24
33	MP1A	Mx	0	24
34	MP1A	X	0	72
35	MP1A	Z	-2.733	72
36	MP1A	Mx	0	72
37	MP4A	X	0	24
38	MP4A	Z	-2.733	24
39	MP4A	Mx	0	24
40	MP4A	X	0	72
41	MP4A	Z	-2.733	72
42	MP4A	Mx	0	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	2.086	36
2	MP2A	Z	-3.614	36
3	MP2A	Mx	-.001	36
4	MP2A	X	2.086	60
5	MP2A	Z	-3.614	60
6	MP2A	Mx	-.001	60
7	MP3A	X	4.36	18
8	MP3A	Z	-7.552	18
9	MP3A	Mx	-.007	18
10	MP3A	X	4.36	78
11	MP3A	Z	-7.552	78
12	MP3A	Mx	-.007	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP3A	X	4.36	18
14	MP3A	Z	-7.552	18
15	MP3A	Mx	.002	18
16	MP3A	X	4.36	78
17	MP3A	Z	-7.552	78
18	MP3A	Mx	.002	78
19	MP2A	X	1.796	54
20	MP2A	Z	-3.11	54
21	MP2A	Mx	.000898	54
22	MP3A	X	1.734	54
23	MP3A	Z	-3.003	54
24	MP3A	Mx	.000867	54
25	OVP	X	2.962	15
26	OVP	Z	-5.131	15
27	OVP	Mx	0	15
28	MP2A	X	.358	30
29	MP2A	Z	-.619	30
30	MP2A	Mx	.000179	30
31	MP1A	X	1.731	24
32	MP1A	Z	-2.999	24
33	MP1A	Mx	-.000866	24
34	MP1A	X	1.731	72
35	MP1A	Z	-2.999	72
36	MP1A	Mx	-.000866	72
37	MP4A	X	1.731	24
38	MP4A	Z	-2.999	24
39	MP4A	Mx	-.000866	24
40	MP4A	X	1.731	72
41	MP4A	Z	-2.999	72
42	MP4A	Mx	-.000866	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	2.317	36
2	MP2A	Z	-1.338	36
3	MP2A	Mx	-.001	36
4	MP2A	X	2.317	60
5	MP2A	Z	-1.338	60
6	MP2A	Mx	-.001	60
7	MP3A	X	6.135	18
8	MP3A	Z	-3.542	18
9	MP3A	Mx	-.005	18
10	MP3A	X	6.135	78
11	MP3A	Z	-3.542	78
12	MP3A	Mx	-.005	78
13	MP3A	X	6.135	18
14	MP3A	Z	-3.542	18
15	MP3A	Mx	-.001	18
16	MP3A	X	6.135	78
17	MP3A	Z	-3.542	78
18	MP3A	Mx	-.001	78
19	MP2A	X	2.548	54
20	MP2A	Z	-1.471	54
21	MP2A	Mx	.001	54
22	MP3A	X	2.225	54
23	MP3A	Z	-1.285	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
24	MP3A	Mx	.001	54
25	OVP	X	4.55	15
26	OVP	Z	-2.627	15
27	OVP	Mx	0	15
28	MP2A	X	.516	30
29	MP2A	Z	-.298	30
30	MP2A	Mx	.000258	30
31	MP1A	X	4.263	24
32	MP1A	Z	-2.462	24
33	MP1A	Mx	-.002	24
34	MP1A	X	4.263	72
35	MP1A	Z	-2.462	72
36	MP1A	Mx	-.002	72
37	MP4A	X	4.263	24
38	MP4A	Z	-2.462	24
39	MP4A	Mx	-.002	24
40	MP4A	X	4.263	72
41	MP4A	Z	-2.462	72
42	MP4A	Mx	-.002	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	1.927	36
2	MP2A	Z	0	36
3	MP2A	Mx	-.000964	36
4	MP2A	X	1.927	60
5	MP2A	Z	0	60
6	MP2A	Mx	-.000964	60
7	MP3A	X	6.265	18
8	MP3A	Z	0	18
9	MP3A	Mx	-.003	18
10	MP3A	X	6.265	78
11	MP3A	Z	0	78
12	MP3A	Mx	-.003	78
13	MP3A	X	6.265	18
14	MP3A	Z	0	18
15	MP3A	Mx	-.003	18
16	MP3A	X	6.265	78
17	MP3A	Z	0	78
18	MP3A	Mx	-.003	78
19	MP2A	X	2.618	54
20	MP2A	Z	0	54
21	MP2A	Mx	.001	54
22	MP3A	X	2.12	54
23	MP3A	Z	0	54
24	MP3A	Mx	.001	54
25	OVP	X	5.924	15
26	OVP	Z	0	15
27	OVP	Mx	0	15
28	MP2A	X	.536	30
29	MP2A	Z	0	30
30	MP2A	Mx	.000268	30
31	MP1A	X	5.653	24
32	MP1A	Z	0	24
33	MP1A	Mx	-.003	24
34	MP1A	X	5.653	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
35	MP1A	Z	0	72
36	MP1A	Mx	-.003	72
37	MP4A	X	5.653	24
38	MP4A	Z	0	24
39	MP4A	Mx	-.003	24
40	MP4A	X	5.653	72
41	MP4A	Z	0	72
42	MP4A	Mx	-.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	2.317	36
2	MP2A	Z	1.338	36
3	MP2A	Mx	-.001	36
4	MP2A	X	2.317	60
5	MP2A	Z	1.338	60
6	MP2A	Mx	-.001	60
7	MP3A	X	6.135	18
8	MP3A	Z	3.542	18
9	MP3A	Mx	-.001	18
10	MP3A	X	6.135	78
11	MP3A	Z	3.542	78
12	MP3A	Mx	-.001	78
13	MP3A	X	6.135	18
14	MP3A	Z	3.542	18
15	MP3A	Mx	-.005	18
16	MP3A	X	6.135	78
17	MP3A	Z	3.542	78
18	MP3A	Mx	-.005	78
19	MP2A	X	2.548	54
20	MP2A	Z	1.471	54
21	MP2A	Mx	.001	54
22	MP3A	X	2.225	54
23	MP3A	Z	1.285	54
24	MP3A	Mx	.001	54
25	OVP	X	6.293	15
26	OVP	Z	3.633	15
27	OVP	Mx	0	15
28	MP2A	X	.516	30
29	MP2A	Z	.298	30
30	MP2A	Mx	.000258	30
31	MP1A	X	4.263	24
32	MP1A	Z	2.462	24
33	MP1A	Mx	-.002	24
34	MP1A	X	4.263	72
35	MP1A	Z	2.462	72
36	MP1A	Mx	-.002	72
37	MP4A	X	4.263	24
38	MP4A	Z	2.462	24
39	MP4A	Mx	-.002	24
40	MP4A	X	4.263	72
41	MP4A	Z	2.462	72
42	MP4A	Mx	-.002	72

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	2.086	36
2	MP2A	Z	3.614	36
3	MP2A	Mx	-.001	36
4	MP2A	X	2.086	60
5	MP2A	Z	3.614	60
6	MP2A	Mx	-.001	60
7	MP3A	X	4.36	18
8	MP3A	Z	7.552	18
9	MP3A	Mx	.002	18
10	MP3A	X	4.36	78
11	MP3A	Z	7.552	78
12	MP3A	Mx	.002	78
13	MP3A	X	4.36	18
14	MP3A	Z	7.552	18
15	MP3A	Mx	-.007	18
16	MP3A	X	4.36	78
17	MP3A	Z	7.552	78
18	MP3A	Mx	-.007	78
19	MP2A	X	1.796	54
20	MP2A	Z	3.11	54
21	MP2A	Mx	.000898	54
22	MP3A	X	1.734	54
23	MP3A	Z	3.003	54
24	MP3A	Mx	.000867	54
25	OVP	X	3.968	15
26	OVP	Z	6.874	15
27	OVP	Mx	0	15
28	MP2A	X	.358	30
29	MP2A	Z	.619	30
30	MP2A	Mx	.000179	30
31	MP1A	X	1.731	24
32	MP1A	Z	2.999	24
33	MP1A	Mx	-.000866	24
34	MP1A	X	1.731	72
35	MP1A	Z	2.999	72
36	MP1A	Mx	-.000866	72
37	MP4A	X	1.731	24
38	MP4A	Z	2.999	24
39	MP4A	Mx	-.000866	24
40	MP4A	X	1.731	72
41	MP4A	Z	2.999	72
42	MP4A	Mx	-.000866	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	36
2	MP2A	Z	4.921	36
3	MP2A	Mx	0	36
4	MP2A	X	0	60
5	MP2A	Z	4.921	60
6	MP2A	Mx	0	60
7	MP3A	X	0	18
8	MP3A	Z	9.539	18
9	MP3A	Mx	.006	18
10	MP3A	X	0	78
11	MP3A	Z	9.539	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
12	MP3A	Mx	.006	78
13	MP3A	X	0	18
14	MP3A	Z	9.539	18
15	MP3A	Mx	-.006	18
16	MP3A	X	0	78
17	MP3A	Z	9.539	78
18	MP3A	Mx	-.006	78
19	MP2A	X	0	54
20	MP2A	Z	3.916	54
21	MP2A	Mx	0	54
22	MP3A	X	0	54
23	MP3A	Z	3.916	54
24	MP3A	Mx	0	54
25	OVP	X	0	15
26	OVP	Z	7.266	15
27	OVP	Mx	0	15
28	MP2A	X	0	30
29	MP2A	Z	.775	30
30	MP2A	Mx	0	30
31	MP1A	X	0	24
32	MP1A	Z	2.733	24
33	MP1A	Mx	0	24
34	MP1A	X	0	72
35	MP1A	Z	2.733	72
36	MP1A	Mx	0	72
37	MP4A	X	0	24
38	MP4A	Z	2.733	24
39	MP4A	Mx	0	24
40	MP4A	X	0	72
41	MP4A	Z	2.733	72
42	MP4A	Mx	0	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-2.086	36
2	MP2A	Z	3.614	36
3	MP2A	Mx	.001	36
4	MP2A	X	-2.086	60
5	MP2A	Z	3.614	60
6	MP2A	Mx	.001	60
7	MP3A	X	-4.36	18
8	MP3A	Z	7.552	18
9	MP3A	Mx	.007	18
10	MP3A	X	-4.36	78
11	MP3A	Z	7.552	78
12	MP3A	Mx	.007	78
13	MP3A	X	-4.36	18
14	MP3A	Z	7.552	18
15	MP3A	Mx	-.002	18
16	MP3A	X	-4.36	78
17	MP3A	Z	7.552	78
18	MP3A	Mx	-.002	78
19	MP2A	X	-1.796	54
20	MP2A	Z	3.11	54
21	MP2A	Mx	-.000898	54
22	MP3A	X	-1.734	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
23	MP3A	Z	3.003	54
24	MP3A	Mx	-.000867	54
25	OVP	X	-2.962	15
26	OVP	Z	5.131	15
27	OVP	Mx	0	15
28	MP2A	X	-.358	30
29	MP2A	Z	.619	30
30	MP2A	Mx	-.000179	30
31	MP1A	X	-1.731	24
32	MP1A	Z	2.999	24
33	MP1A	Mx	.000866	24
34	MP1A	X	-1.731	72
35	MP1A	Z	2.999	72
36	MP1A	Mx	.000866	72
37	MP4A	X	-1.731	24
38	MP4A	Z	2.999	24
39	MP4A	Mx	.000866	24
40	MP4A	X	-1.731	72
41	MP4A	Z	2.999	72
42	MP4A	Mx	.000866	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-2.317	36
2	MP2A	Z	1.338	36
3	MP2A	Mx	.001	36
4	MP2A	X	-2.317	60
5	MP2A	Z	1.338	60
6	MP2A	Mx	.001	60
7	MP3A	X	-6.135	18
8	MP3A	Z	3.542	18
9	MP3A	Mx	.005	18
10	MP3A	X	-6.135	78
11	MP3A	Z	3.542	78
12	MP3A	Mx	.005	78
13	MP3A	X	-6.135	18
14	MP3A	Z	3.542	18
15	MP3A	Mx	.001	18
16	MP3A	X	-6.135	78
17	MP3A	Z	3.542	78
18	MP3A	Mx	.001	78
19	MP2A	X	-2.548	54
20	MP2A	Z	1.471	54
21	MP2A	Mx	-.001	54
22	MP3A	X	-2.225	54
23	MP3A	Z	1.285	54
24	MP3A	Mx	-.001	54
25	OVP	X	-4.55	15
26	OVP	Z	2.627	15
27	OVP	Mx	0	15
28	MP2A	X	-.516	30
29	MP2A	Z	.298	30
30	MP2A	Mx	-.000258	30
31	MP1A	X	-4.263	24
32	MP1A	Z	2.462	24
33	MP1A	Mx	.002	24

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
34	MP1A	X	-4.263	72
35	MP1A	Z	2.462	72
36	MP1A	Mx	.002	72
37	MP4A	X	-4.263	24
38	MP4A	Z	2.462	24
39	MP4A	Mx	.002	24
40	MP4A	X	-4.263	72
41	MP4A	Z	2.462	72
42	MP4A	Mx	.002	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-1.927	36
2	MP2A	Z	0	36
3	MP2A	Mx	.000964	36
4	MP2A	X	-1.927	60
5	MP2A	Z	0	60
6	MP2A	Mx	.000964	60
7	MP3A	X	-6.265	18
8	MP3A	Z	0	18
9	MP3A	Mx	.003	18
10	MP3A	X	-6.265	78
11	MP3A	Z	0	78
12	MP3A	Mx	.003	78
13	MP3A	X	-6.265	18
14	MP3A	Z	0	18
15	MP3A	Mx	.003	18
16	MP3A	X	-6.265	78
17	MP3A	Z	0	78
18	MP3A	Mx	.003	78
19	MP2A	X	-2.618	54
20	MP2A	Z	0	54
21	MP2A	Mx	-.001	54
22	MP3A	X	-2.12	54
23	MP3A	Z	0	54
24	MP3A	Mx	-.001	54
25	OVP	X	-5.924	15
26	OVP	Z	0	15
27	OVP	Mx	0	15
28	MP2A	X	-.536	30
29	MP2A	Z	0	30
30	MP2A	Mx	-.000268	30
31	MP1A	X	-5.653	24
32	MP1A	Z	0	24
33	MP1A	Mx	.003	24
34	MP1A	X	-5.653	72
35	MP1A	Z	0	72
36	MP1A	Mx	.003	72
37	MP4A	X	-5.653	24
38	MP4A	Z	0	24
39	MP4A	Mx	.003	24
40	MP4A	X	-5.653	72
41	MP4A	Z	0	72
42	MP4A	Mx	.003	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-2.317	36
2	MP2A	Z	-1.338	36
3	MP2A	Mx	.001	36
4	MP2A	X	-2.317	60
5	MP2A	Z	-1.338	60
6	MP2A	Mx	.001	60
7	MP3A	X	-6.135	18
8	MP3A	Z	-3.542	18
9	MP3A	Mx	.001	18
10	MP3A	X	-6.135	78
11	MP3A	Z	-3.542	78
12	MP3A	Mx	.001	78
13	MP3A	X	-6.135	18
14	MP3A	Z	-3.542	18
15	MP3A	Mx	.005	18
16	MP3A	X	-6.135	78
17	MP3A	Z	-3.542	78
18	MP3A	Mx	.005	78
19	MP2A	X	-2.548	54
20	MP2A	Z	-1.471	54
21	MP2A	Mx	-.001	54
22	MP3A	X	-2.225	54
23	MP3A	Z	-1.285	54
24	MP3A	Mx	-.001	54
25	OVP	X	-6.293	15
26	OVP	Z	-3.633	15
27	OVP	Mx	0	15
28	MP2A	X	-.516	30
29	MP2A	Z	-.298	30
30	MP2A	Mx	-.000258	30
31	MP1A	X	-4.263	24
32	MP1A	Z	-2.462	24
33	MP1A	Mx	.002	24
34	MP1A	X	-4.263	72
35	MP1A	Z	-2.462	72
36	MP1A	Mx	.002	72
37	MP4A	X	-4.263	24
38	MP4A	Z	-2.462	24
39	MP4A	Mx	.002	24
40	MP4A	X	-4.263	72
41	MP4A	Z	-2.462	72
42	MP4A	Mx	.002	72

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-2.086	36
2	MP2A	Z	-3.614	36
3	MP2A	Mx	.001	36
4	MP2A	X	-2.086	60
5	MP2A	Z	-3.614	60
6	MP2A	Mx	.001	60
7	MP3A	X	-4.36	18
8	MP3A	Z	-7.552	18
9	MP3A	Mx	-.002	18
10	MP3A	X	-4.36	78
11	MP3A	Z	-7.552	78

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
12	MP3A	Mx	-.002	78
13	MP3A	X	-4.36	18
14	MP3A	Z	-7.552	18
15	MP3A	Mx	.007	18
16	MP3A	X	-4.36	78
17	MP3A	Z	-7.552	78
18	MP3A	Mx	.007	78
19	MP2A	X	-1.796	54
20	MP2A	Z	-3.11	54
21	MP2A	Mx	-.000898	54
22	MP3A	X	-1.734	54
23	MP3A	Z	-3.003	54
24	MP3A	Mx	-.000867	54
25	OVP	X	-3.968	15
26	OVP	Z	-6.874	15
27	OVP	Mx	0	15
28	MP2A	X	-.358	30
29	MP2A	Z	-.619	30
30	MP2A	Mx	-.000179	30
31	MP1A	X	-1.731	24
32	MP1A	Z	-2.999	24
33	MP1A	Mx	.000866	24
34	MP1A	X	-1.731	72
35	MP1A	Z	-2.999	72
36	MP1A	Mx	.000866	72
37	MP4A	X	-1.731	24
38	MP4A	Z	-2.999	24
39	MP4A	Mx	.000866	24
40	MP4A	X	-1.731	72
41	MP4A	Z	-2.999	72
42	MP4A	Mx	.000866	72

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M5	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M10	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	Y	-4.982	-4.982	0	%100
2	M2	Y	-4.982	-4.982	0	%100
3	MP4A	Y	-4.982	-4.982	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
4	MP3A	Y	-4.982	-4.982	0	%100
5	MP2A	Y	-4.982	-4.982	0	%100
6	MP1A	Y	-4.982	-4.982	0	%100
7	M15	Y	-7.319	-7.319	0	%100
8	M16	Y	-7.319	-7.319	0	%100
9	M17	Y	-7.319	-7.319	0	%100
10	M18	Y	-7.319	-7.319	0	%100
11	M26	Y	-10.126	-10.126	0	%100
12	M27	Y	-10.126	-10.126	0	%100
13	M28	Y	-10.126	-10.126	0	%100
14	M29	Y	-10.126	-10.126	0	%100
15	M30	Y	-2.688	-2.688	0	%100
16	M31	Y	-2.688	-2.688	0	%100
17	M32	Y	-2.688	-2.688	0	%100
18	M33	Y	-2.688	-2.688	0	%100
19	M34	Y	-2.688	-2.688	0	%100
20	M35	Y	-2.688	-2.688	0	%100
21	M115	Y	-4.982	-4.982	0	%100
22	OVP	Y	-4.982	-4.982	0	%100
23	M117	Y	-4.982	-4.982	0	%100
24	M118	Y	-4.982	-4.982	0	%100
25	M127	Y	-7.319	-7.319	0	%100
26	M128	Y	-7.319	-7.319	0	%100
27	M129	Y	-7.319	-7.319	0	%100
28	M130	Y	-7.319	-7.319	0	%100
29	M40	Y	-10.126	-10.126	0	%100
30	M41	Y	-10.126	-10.126	0	%100
31	M41A	Y	-4.982	-4.982	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	-8.091	-8.091	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-8.091	-8.091	0	%100
5	MP4A	X	0	0	0	%100
6	MP4A	Z	-8.091	-8.091	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-8.091	-8.091	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	-8.091	-8.091	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-8.091	-8.091	0	%100
13	M15	X	0	0	0	%100
14	M15	Z	-1.179	-1.179	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	-1.179	-1.179	0	%100
17	M17	X	0	0	0	%100
18	M17	Z	-1.179	-1.179	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	-1.179	-1.179	0	%100
21	M26	X	0	0	0	%100
22	M26	Z	0	0	0	%100
23	M27	X	0	0	0	%100
24	M27	Z	0	0	0	%100
25	M28	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
26	M28	Z	0	0	0	%100
27	M29	X	0	0	0	%100
28	M29	Z	0	0	0	%100
29	M30	X	0	0	0	%100
30	M30	Z	-2.555	-2.555	0	%100
31	M31	X	0	0	0	%100
32	M31	Z	-2.173	-2.173	0	%100
33	M32	X	0	0	0	%100
34	M32	Z	-2.555	-2.555	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-2.555	-2.555	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	-2.173	-2.173	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	-2.555	-2.555	0	%100
41	M115	X	0	0	0	%100
42	M115	Z	-4.843	-4.843	0	%100
43	OVP	X	0	0	0	%100
44	OVP	Z	-4.843	-4.843	0	%100
45	M117	X	0	0	0	%100
46	M117	Z	-4.843	-4.843	0	%100
47	M118	X	0	0	0	%100
48	M118	Z	-4.843	-4.843	0	%100
49	M127	X	0	0	0	%100
50	M127	Z	-1.233	-1.233	0	%100
51	M128	X	0	0	0	%100
52	M128	Z	-1.233	-1.233	0	%100
53	M129	X	0	0	0	%100
54	M129	Z	-1.233	-1.233	0	%100
55	M130	X	0	0	0	%100
56	M130	Z	-1.233	-1.233	0	%100
57	M40	X	0	0	0	%100
58	M40	Z	-1.724	-1.724	0	%100
59	M41	X	0	0	0	%100
60	M41	Z	-1.724	-1.724	0	%100
61	M41A	X	0	0	0	%100
62	M41A	Z	-.279	-.279	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	3.034	3.034	0	%100
2	M1	Z	-5.255	-5.255	0	%100
3	M2	X	3.034	3.034	0	%100
4	M2	Z	-5.255	-5.255	0	%100
5	MP4A	X	4.046	4.046	0	%100
6	MP4A	Z	-7.007	-7.007	0	%100
7	MP3A	X	4.046	4.046	0	%100
8	MP3A	Z	-7.007	-7.007	0	%100
9	MP2A	X	4.046	4.046	0	%100
10	MP2A	Z	-7.007	-7.007	0	%100
11	MP1A	X	4.046	4.046	0	%100
12	MP1A	Z	-7.007	-7.007	0	%100
13	M15	X	.167	.167	0	%100
14	M15	Z	-.29	-.29	0	%100
15	M16	X	.848	.848	0	%100
16	M16	Z	-1.469	-1.469	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
17	M17	X	.848	.848	0	%100
18	M17	Z	-1.469	-1.469	0	%100
19	M18	X	.167	.167	0	%100
20	M18	Z	-.29	-.29	0	%100
21	M26	X	.213	.213	0	%100
22	M26	Z	-.369	-.369	0	%100
23	M27	X	.213	.213	0	%100
24	M27	Z	-.369	-.369	0	%100
25	M28	X	.213	.213	0	%100
26	M28	Z	-.369	-.369	0	%100
27	M29	X	.213	.213	0	%100
28	M29	Z	-.369	-.369	0	%100
29	M30	X	1.278	1.278	0	%100
30	M30	Z	-2.213	-2.213	0	%100
31	M31	X	1.275	1.275	0	%100
32	M31	Z	-2.208	-2.208	0	%100
33	M32	X	1.278	1.278	0	%100
34	M32	Z	-2.213	-2.213	0	%100
35	M33	X	1.278	1.278	0	%100
36	M33	Z	-2.213	-2.213	0	%100
37	M34	X	.779	.779	0	%100
38	M34	Z	-1.349	-1.349	0	%100
39	M35	X	1.278	1.278	0	%100
40	M35	Z	-2.213	-2.213	0	%100
41	M115	X	.687	.687	0	%100
42	M115	Z	-1.19	-1.19	0	%100
43	OVP	X	3.483	3.483	0	%100
44	OVP	Z	-6.033	-6.033	0	%100
45	M117	X	3.483	3.483	0	%100
46	M117	Z	-6.033	-6.033	0	%100
47	M118	X	.687	.687	0	%100
48	M118	Z	-1.19	-1.19	0	%100
49	M127	X	.175	.175	0	%100
50	M127	Z	-.303	-.303	0	%100
51	M128	X	.887	.887	0	%100
52	M128	Z	-1.537	-1.537	0	%100
53	M129	X	.887	.887	0	%100
54	M129	Z	-1.537	-1.537	0	%100
55	M130	X	.175	.175	0	%100
56	M130	Z	-.303	-.303	0	%100
57	M40	X	.647	.647	0	%100
58	M40	Z	-1.12	-1.12	0	%100
59	M41	X	.647	.647	0	%100
60	M41	Z	-1.12	-1.12	0	%100
61	M41A	X	.548	.548	0	%100
62	M41A	Z	-.95	-.95	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	1.752	1.752	0	%100
2	M1	Z	-1.011	-1.011	0	%100
3	M2	X	1.752	1.752	0	%100
4	M2	Z	-1.011	-1.011	0	%100
5	MP4A	X	7.007	7.007	0	%100
6	MP4A	Z	-4.046	-4.046	0	%100
7	MP3A	X	7.007	7.007	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
8	MP3A	Z	-4.046	-4.046	0	%100
9	MP2A	X	7.007	7.007	0	%100
10	MP2A	Z	-4.046	-4.046	0	%100
11	MP1A	X	7.007	7.007	0	%100
12	MP1A	Z	-4.046	-4.046	0	%100
13	M15	X	.006	.006	0	%100
14	M15	Z	-.004	-.004	0	%100
15	M16	X	1.185	1.185	0	%100
16	M16	Z	-.684	-.684	0	%100
17	M17	X	1.185	1.185	0	%100
18	M17	Z	-.684	-.684	0	%100
19	M18	X	.006	.006	0	%100
20	M18	Z	-.004	-.004	0	%100
21	M26	X	1.106	1.106	0	%100
22	M26	Z	-.639	-.639	0	%100
23	M27	X	1.106	1.106	0	%100
24	M27	Z	-.639	-.639	0	%100
25	M28	X	1.106	1.106	0	%100
26	M28	Z	-.639	-.639	0	%100
27	M29	X	1.106	1.106	0	%100
28	M29	Z	-.639	-.639	0	%100
29	M30	X	2.213	2.213	0	%100
30	M30	Z	-1.278	-1.278	0	%100
31	M31	X	2.002	2.002	0	%100
32	M31	Z	-1.156	-1.156	0	%100
33	M32	X	2.213	2.213	0	%100
34	M32	Z	-1.278	-1.278	0	%100
35	M33	X	2.213	2.213	0	%100
36	M33	Z	-1.278	-1.278	0	%100
37	M34	X	1.142	1.142	0	%100
38	M34	Z	-.659	-.659	0	%100
39	M35	X	2.213	2.213	0	%100
40	M35	Z	-1.278	-1.278	0	%100
41	M115	X	.025	.025	0	%100
42	M115	Z	-.014	-.014	0	%100
43	OVP	X	4.868	4.868	0	%100
44	OVP	Z	-2.81	-2.81	0	%100
45	M117	X	4.868	4.868	0	%100
46	M117	Z	-2.81	-2.81	0	%100
47	M118	X	.025	.025	0	%100
48	M118	Z	-.014	-.014	0	%100
49	M127	X	.006	.006	0	%100
50	M127	Z	-.004	-.004	0	%100
51	M128	X	1.24	1.24	0	%100
52	M128	Z	-.716	-.716	0	%100
53	M129	X	1.24	1.24	0	%100
54	M129	Z	-.716	-.716	0	%100
55	M130	X	.006	.006	0	%100
56	M130	Z	-.004	-.004	0	%100
57	M40	X	.373	.373	0	%100
58	M40	Z	-.216	-.216	0	%100
59	M41	X	.373	.373	0	%100
60	M41	Z	-.216	-.216	0	%100
61	M41A	X	4.245	4.245	0	%100
62	M41A	Z	-2.451	-2.451	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP4A	X	8.091	8.091	0	%100
6	MP4A	Z	0	0	0	%100
7	MP3A	X	8.091	8.091	0	%100
8	MP3A	Z	0	0	0	%100
9	MP2A	X	8.091	8.091	0	%100
10	MP2A	Z	0	0	0	%100
11	MP1A	X	8.091	8.091	0	%100
12	MP1A	Z	0	0	0	%100
13	M15	X	.524	.524	0	%100
14	M15	Z	0	0	0	%100
15	M16	X	.524	.524	0	%100
16	M16	Z	0	0	0	%100
17	M17	X	.524	.524	0	%100
18	M17	Z	0	0	0	%100
19	M18	X	.524	.524	0	%100
20	M18	Z	0	0	0	%100
21	M26	X	1.703	1.703	0	%100
22	M26	Z	0	0	0	%100
23	M27	X	1.703	1.703	0	%100
24	M27	Z	0	0	0	%100
25	M28	X	1.703	1.703	0	%100
26	M28	Z	0	0	0	%100
27	M29	X	1.703	1.703	0	%100
28	M29	Z	0	0	0	%100
29	M30	X	2.555	2.555	0	%100
30	M30	Z	0	0	0	%100
31	M31	X	1.696	1.696	0	%100
32	M31	Z	0	0	0	%100
33	M32	X	2.555	2.555	0	%100
34	M32	Z	0	0	0	%100
35	M33	X	2.555	2.555	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	1.696	1.696	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	2.555	2.555	0	%100
40	M35	Z	0	0	0	%100
41	M115	X	2.152	2.152	0	%100
42	M115	Z	0	0	0	%100
43	OVP	X	2.152	2.152	0	%100
44	OVP	Z	0	0	0	%100
45	M117	X	2.152	2.152	0	%100
46	M117	Z	0	0	0	%100
47	M118	X	2.152	2.152	0	%100
48	M118	Z	0	0	0	%100
49	M127	X	.548	.548	0	%100
50	M127	Z	0	0	0	%100
51	M128	X	.548	.548	0	%100
52	M128	Z	0	0	0	%100
53	M129	X	.548	.548	0	%100
54	M129	Z	0	0	0	%100
55	M130	X	.548	.548	0	%100
56	M130	Z	0	0	0	%100
57	M40	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
58	M40	Z	0	0	0	%100
59	M41	X	0	0	0	%100
60	M41	Z	0	0	0	%100
61	M41A	X	7.89	7.89	0	%100
62	M41A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	1.752	1.752	0	%100
2	M1	Z	1.011	1.011	0	%100
3	M2	X	1.752	1.752	0	%100
4	M2	Z	1.011	1.011	0	%100
5	MP4A	X	7.007	7.007	0	%100
6	MP4A	Z	4.046	4.046	0	%100
7	MP3A	X	7.007	7.007	0	%100
8	MP3A	Z	4.046	4.046	0	%100
9	MP2A	X	7.007	7.007	0	%100
10	MP2A	Z	4.046	4.046	0	%100
11	MP1A	X	7.007	7.007	0	%100
12	MP1A	Z	4.046	4.046	0	%100
13	M15	X	1.185	1.185	0	%100
14	M15	Z	.684	.684	0	%100
15	M16	X	.006	.006	0	%100
16	M16	Z	.004	.004	0	%100
17	M17	X	.006	.006	0	%100
18	M17	Z	.004	.004	0	%100
19	M18	X	1.185	1.185	0	%100
20	M18	Z	.684	.684	0	%100
21	M26	X	1.106	1.106	0	%100
22	M26	Z	.639	.639	0	%100
23	M27	X	1.106	1.106	0	%100
24	M27	Z	.639	.639	0	%100
25	M28	X	1.106	1.106	0	%100
26	M28	Z	.639	.639	0	%100
27	M29	X	1.106	1.106	0	%100
28	M29	Z	.639	.639	0	%100
29	M30	X	2.213	2.213	0	%100
30	M30	Z	1.278	1.278	0	%100
31	M31	X	1.142	1.142	0	%100
32	M31	Z	.659	.659	0	%100
33	M32	X	2.213	2.213	0	%100
34	M32	Z	1.278	1.278	0	%100
35	M33	X	2.213	2.213	0	%100
36	M33	Z	1.278	1.278	0	%100
37	M34	X	2.002	2.002	0	%100
38	M34	Z	1.156	1.156	0	%100
39	M35	X	2.213	2.213	0	%100
40	M35	Z	1.278	1.278	0	%100
41	M115	X	4.868	4.868	0	%100
42	M115	Z	2.81	2.81	0	%100
43	OVP	X	.025	.025	0	%100
44	OVP	Z	.014	.014	0	%100
45	M117	X	.025	.025	0	%100
46	M117	Z	.014	.014	0	%100
47	M118	X	4.868	4.868	0	%100
48	M118	Z	2.81	2.81	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
49	M127	X	1.24	1.24	0	%100
50	M127	Z	.716	.716	0	%100
51	M128	X	.006	.006	0	%100
52	M128	Z	.004	.004	0	%100
53	M129	X	.006	.006	0	%100
54	M129	Z	.004	.004	0	%100
55	M130	X	1.24	1.24	0	%100
56	M130	Z	.716	.716	0	%100
57	M40	X	.373	.373	0	%100
58	M40	Z	.216	.216	0	%100
59	M41	X	.373	.373	0	%100
60	M41	Z	.216	.216	0	%100
61	M41A	X	6.125	6.125	0	%100
62	M41A	Z	3.536	3.536	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	3.034	3.034	0	%100
2	M1	Z	5.255	5.255	0	%100
3	M2	X	3.034	3.034	0	%100
4	M2	Z	5.255	5.255	0	%100
5	MP4A	X	4.046	4.046	0	%100
6	MP4A	Z	7.007	7.007	0	%100
7	MP3A	X	4.046	4.046	0	%100
8	MP3A	Z	7.007	7.007	0	%100
9	MP2A	X	4.046	4.046	0	%100
10	MP2A	Z	7.007	7.007	0	%100
11	MP1A	X	4.046	4.046	0	%100
12	MP1A	Z	7.007	7.007	0	%100
13	M15	X	.848	.848	0	%100
14	M15	Z	1.469	1.469	0	%100
15	M16	X	.167	.167	0	%100
16	M16	Z	.29	.29	0	%100
17	M17	X	.167	.167	0	%100
18	M17	Z	.29	.29	0	%100
19	M18	X	.848	.848	0	%100
20	M18	Z	1.469	1.469	0	%100
21	M26	X	.213	.213	0	%100
22	M26	Z	.369	.369	0	%100
23	M27	X	.213	.213	0	%100
24	M27	Z	.369	.369	0	%100
25	M28	X	.213	.213	0	%100
26	M28	Z	.369	.369	0	%100
27	M29	X	.213	.213	0	%100
28	M29	Z	.369	.369	0	%100
29	M30	X	1.278	1.278	0	%100
30	M30	Z	2.213	2.213	0	%100
31	M31	X	.779	.779	0	%100
32	M31	Z	1.349	1.349	0	%100
33	M32	X	1.278	1.278	0	%100
34	M32	Z	2.213	2.213	0	%100
35	M33	X	1.278	1.278	0	%100
36	M33	Z	2.213	2.213	0	%100
37	M34	X	1.275	1.275	0	%100
38	M34	Z	2.208	2.208	0	%100
39	M35	X	1.278	1.278	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
40	M35	Z	2.213	2.213	0	%100
41	M115	X	3.483	3.483	0	%100
42	M115	Z	6.033	6.033	0	%100
43	OVP	X	.687	.687	0	%100
44	OVP	Z	1.19	1.19	0	%100
45	M117	X	.687	.687	0	%100
46	M117	Z	1.19	1.19	0	%100
47	M118	X	3.483	3.483	0	%100
48	M118	Z	6.033	6.033	0	%100
49	M127	X	.887	.887	0	%100
50	M127	Z	1.537	1.537	0	%100
51	M128	X	.175	.175	0	%100
52	M128	Z	.303	.303	0	%100
53	M129	X	.175	.175	0	%100
54	M129	Z	.303	.303	0	%100
55	M130	X	.887	.887	0	%100
56	M130	Z	1.537	1.537	0	%100
57	M40	X	.647	.647	0	%100
58	M40	Z	1.12	1.12	0	%100
59	M41	X	.647	.647	0	%100
60	M41	Z	1.12	1.12	0	%100
61	M41A	X	1.634	1.634	0	%100
62	M41A	Z	2.83	2.83	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	8.091	8.091	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	8.091	8.091	0	%100
5	MP4A	X	0	0	0	%100
6	MP4A	Z	8.091	8.091	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	8.091	8.091	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	8.091	8.091	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	8.091	8.091	0	%100
13	M15	X	0	0	0	%100
14	M15	Z	1.179	1.179	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	1.179	1.179	0	%100
17	M17	X	0	0	0	%100
18	M17	Z	1.179	1.179	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	1.179	1.179	0	%100
21	M26	X	0	0	0	%100
22	M26	Z	0	0	0	%100
23	M27	X	0	0	0	%100
24	M27	Z	0	0	0	%100
25	M28	X	0	0	0	%100
26	M28	Z	0	0	0	%100
27	M29	X	0	0	0	%100
28	M29	Z	0	0	0	%100
29	M30	X	0	0	0	%100
30	M30	Z	2.555	2.555	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
31	M31	X	0	0	0	%100
32	M31	Z	2.173	2.173	0	%100
33	M32	X	0	0	0	%100
34	M32	Z	2.555	2.555	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	2.555	2.555	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	2.173	2.173	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	2.555	2.555	0	%100
41	M115	X	0	0	0	%100
42	M115	Z	4.843	4.843	0	%100
43	OVP	X	0	0	0	%100
44	OVP	Z	4.843	4.843	0	%100
45	M117	X	0	0	0	%100
46	M117	Z	4.843	4.843	0	%100
47	M118	X	0	0	0	%100
48	M118	Z	4.843	4.843	0	%100
49	M127	X	0	0	0	%100
50	M127	Z	1.233	1.233	0	%100
51	M128	X	0	0	0	%100
52	M128	Z	1.233	1.233	0	%100
53	M129	X	0	0	0	%100
54	M129	Z	1.233	1.233	0	%100
55	M130	X	0	0	0	%100
56	M130	Z	1.233	1.233	0	%100
57	M40	X	0	0	0	%100
58	M40	Z	1.724	1.724	0	%100
59	M41	X	0	0	0	%100
60	M41	Z	1.724	1.724	0	%100
61	M41A	X	0	0	0	%100
62	M41A	Z	.279	.279	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	-3.034	-3.034	0	%100
2	M1	Z	5.255	5.255	0	%100
3	M2	X	-3.034	-3.034	0	%100
4	M2	Z	5.255	5.255	0	%100
5	MP4A	X	-4.046	-4.046	0	%100
6	MP4A	Z	7.007	7.007	0	%100
7	MP3A	X	-4.046	-4.046	0	%100
8	MP3A	Z	7.007	7.007	0	%100
9	MP2A	X	-4.046	-4.046	0	%100
10	MP2A	Z	7.007	7.007	0	%100
11	MP1A	X	-4.046	-4.046	0	%100
12	MP1A	Z	7.007	7.007	0	%100
13	M15	X	-.167	-.167	0	%100
14	M15	Z	.29	.29	0	%100
15	M16	X	-.848	-.848	0	%100
16	M16	Z	1.469	1.469	0	%100
17	M17	X	-.848	-.848	0	%100
18	M17	Z	1.469	1.469	0	%100
19	M18	X	-.167	-.167	0	%100
20	M18	Z	.29	.29	0	%100
21	M26	X	-.213	-.213	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
22	M26	Z	.369	.369	0	%100
23	M27	X	-.213	-.213	0	%100
24	M27	Z	.369	.369	0	%100
25	M28	X	-.213	-.213	0	%100
26	M28	Z	.369	.369	0	%100
27	M29	X	-.213	-.213	0	%100
28	M29	Z	.369	.369	0	%100
29	M30	X	-1.278	-1.278	0	%100
30	M30	Z	2.213	2.213	0	%100
31	M31	X	-1.275	-1.275	0	%100
32	M31	Z	2.208	2.208	0	%100
33	M32	X	-1.278	-1.278	0	%100
34	M32	Z	2.213	2.213	0	%100
35	M33	X	-1.278	-1.278	0	%100
36	M33	Z	2.213	2.213	0	%100
37	M34	X	-.779	-.779	0	%100
38	M34	Z	1.349	1.349	0	%100
39	M35	X	-1.278	-1.278	0	%100
40	M35	Z	2.213	2.213	0	%100
41	M115	X	-.687	-.687	0	%100
42	M115	Z	1.19	1.19	0	%100
43	OVP	X	-3.483	-3.483	0	%100
44	OVP	Z	6.033	6.033	0	%100
45	M117	X	-3.483	-3.483	0	%100
46	M117	Z	6.033	6.033	0	%100
47	M118	X	-.687	-.687	0	%100
48	M118	Z	1.19	1.19	0	%100
49	M127	X	-.175	-.175	0	%100
50	M127	Z	.303	.303	0	%100
51	M128	X	-.887	-.887	0	%100
52	M128	Z	1.537	1.537	0	%100
53	M129	X	-.887	-.887	0	%100
54	M129	Z	1.537	1.537	0	%100
55	M130	X	-.175	-.175	0	%100
56	M130	Z	.303	.303	0	%100
57	M40	X	-.647	-.647	0	%100
58	M40	Z	1.12	1.12	0	%100
59	M41	X	-.647	-.647	0	%100
60	M41	Z	1.12	1.12	0	%100
61	M41A	X	-.548	-.548	0	%100
62	M41A	Z	.95	.95	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	-1.752	-1.752	0	%100
2	M1	Z	1.011	1.011	0	%100
3	M2	X	-1.752	-1.752	0	%100
4	M2	Z	1.011	1.011	0	%100
5	MP4A	X	-7.007	-7.007	0	%100
6	MP4A	Z	4.046	4.046	0	%100
7	MP3A	X	-7.007	-7.007	0	%100
8	MP3A	Z	4.046	4.046	0	%100
9	MP2A	X	-7.007	-7.007	0	%100
10	MP2A	Z	4.046	4.046	0	%100
11	MP1A	X	-7.007	-7.007	0	%100
12	MP1A	Z	4.046	4.046	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
13	M15	X	-.006	-.006	0	%100
14	M15	Z	.004	.004	0	%100
15	M16	X	-1.185	-1.185	0	%100
16	M16	Z	.684	.684	0	%100
17	M17	X	-1.185	-1.185	0	%100
18	M17	Z	.684	.684	0	%100
19	M18	X	-.006	-.006	0	%100
20	M18	Z	.004	.004	0	%100
21	M26	X	-1.106	-1.106	0	%100
22	M26	Z	.639	.639	0	%100
23	M27	X	-1.106	-1.106	0	%100
24	M27	Z	.639	.639	0	%100
25	M28	X	-1.106	-1.106	0	%100
26	M28	Z	.639	.639	0	%100
27	M29	X	-1.106	-1.106	0	%100
28	M29	Z	.639	.639	0	%100
29	M30	X	-2.213	-2.213	0	%100
30	M30	Z	1.278	1.278	0	%100
31	M31	X	-2.002	-2.002	0	%100
32	M31	Z	1.156	1.156	0	%100
33	M32	X	-2.213	-2.213	0	%100
34	M32	Z	1.278	1.278	0	%100
35	M33	X	-2.213	-2.213	0	%100
36	M33	Z	1.278	1.278	0	%100
37	M34	X	-1.142	-1.142	0	%100
38	M34	Z	.659	.659	0	%100
39	M35	X	-2.213	-2.213	0	%100
40	M35	Z	1.278	1.278	0	%100
41	M115	X	-.025	-.025	0	%100
42	M115	Z	.014	.014	0	%100
43	OVP	X	-4.868	-4.868	0	%100
44	OVP	Z	2.81	2.81	0	%100
45	M117	X	-4.868	-4.868	0	%100
46	M117	Z	2.81	2.81	0	%100
47	M118	X	-.025	-.025	0	%100
48	M118	Z	.014	.014	0	%100
49	M127	X	-.006	-.006	0	%100
50	M127	Z	.004	.004	0	%100
51	M128	X	-1.24	-1.24	0	%100
52	M128	Z	.716	.716	0	%100
53	M129	X	-1.24	-1.24	0	%100
54	M129	Z	.716	.716	0	%100
55	M130	X	-.006	-.006	0	%100
56	M130	Z	.004	.004	0	%100
57	M40	X	-.373	-.373	0	%100
58	M40	Z	.216	.216	0	%100
59	M41	X	-.373	-.373	0	%100
60	M41	Z	.216	.216	0	%100
61	M41A	X	-4.245	-4.245	0	%100
62	M41A	Z	2.451	2.451	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
4	M2	Z	0	0	0	%100
5	MP4A	X	-8.091	-8.091	0	%100
6	MP4A	Z	0	0	0	%100
7	MP3A	X	-8.091	-8.091	0	%100
8	MP3A	Z	0	0	0	%100
9	MP2A	X	-8.091	-8.091	0	%100
10	MP2A	Z	0	0	0	%100
11	MP1A	X	-8.091	-8.091	0	%100
12	MP1A	Z	0	0	0	%100
13	M15	X	-.524	-.524	0	%100
14	M15	Z	0	0	0	%100
15	M16	X	-.524	-.524	0	%100
16	M16	Z	0	0	0	%100
17	M17	X	-.524	-.524	0	%100
18	M17	Z	0	0	0	%100
19	M18	X	-.524	-.524	0	%100
20	M18	Z	0	0	0	%100
21	M26	X	-1.703	-1.703	0	%100
22	M26	Z	0	0	0	%100
23	M27	X	-1.703	-1.703	0	%100
24	M27	Z	0	0	0	%100
25	M28	X	-1.703	-1.703	0	%100
26	M28	Z	0	0	0	%100
27	M29	X	-1.703	-1.703	0	%100
28	M29	Z	0	0	0	%100
29	M30	X	-2.555	-2.555	0	%100
30	M30	Z	0	0	0	%100
31	M31	X	-1.696	-1.696	0	%100
32	M31	Z	0	0	0	%100
33	M32	X	-2.555	-2.555	0	%100
34	M32	Z	0	0	0	%100
35	M33	X	-2.555	-2.555	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	-1.696	-1.696	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	-2.555	-2.555	0	%100
40	M35	Z	0	0	0	%100
41	M115	X	-2.152	-2.152	0	%100
42	M115	Z	0	0	0	%100
43	OVP	X	-2.152	-2.152	0	%100
44	OVP	Z	0	0	0	%100
45	M117	X	-2.152	-2.152	0	%100
46	M117	Z	0	0	0	%100
47	M118	X	-2.152	-2.152	0	%100
48	M118	Z	0	0	0	%100
49	M127	X	-.548	-.548	0	%100
50	M127	Z	0	0	0	%100
51	M128	X	-.548	-.548	0	%100
52	M128	Z	0	0	0	%100
53	M129	X	-.548	-.548	0	%100
54	M129	Z	0	0	0	%100
55	M130	X	-.548	-.548	0	%100
56	M130	Z	0	0	0	%100
57	M40	X	0	0	0	%100
58	M40	Z	0	0	0	%100
59	M41	X	0	0	0	%100
60	M41	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
61	M41A	X	-7.89	-7.89	0	%100
62	M41A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	-1.752	-1.752	0	%100
2	M1	Z	-1.011	-1.011	0	%100
3	M2	X	-1.752	-1.752	0	%100
4	M2	Z	-1.011	-1.011	0	%100
5	MP4A	X	-7.007	-7.007	0	%100
6	MP4A	Z	-4.046	-4.046	0	%100
7	MP3A	X	-7.007	-7.007	0	%100
8	MP3A	Z	-4.046	-4.046	0	%100
9	MP2A	X	-7.007	-7.007	0	%100
10	MP2A	Z	-4.046	-4.046	0	%100
11	MP1A	X	-7.007	-7.007	0	%100
12	MP1A	Z	-4.046	-4.046	0	%100
13	M15	X	-1.185	-1.185	0	%100
14	M15	Z	-.684	-.684	0	%100
15	M16	X	-.006	-.006	0	%100
16	M16	Z	-.004	-.004	0	%100
17	M17	X	-.006	-.006	0	%100
18	M17	Z	-.004	-.004	0	%100
19	M18	X	-1.185	-1.185	0	%100
20	M18	Z	-.684	-.684	0	%100
21	M26	X	-1.106	-1.106	0	%100
22	M26	Z	-.639	-.639	0	%100
23	M27	X	-1.106	-1.106	0	%100
24	M27	Z	-.639	-.639	0	%100
25	M28	X	-1.106	-1.106	0	%100
26	M28	Z	-.639	-.639	0	%100
27	M29	X	-1.106	-1.106	0	%100
28	M29	Z	-.639	-.639	0	%100
29	M30	X	-2.213	-2.213	0	%100
30	M30	Z	-1.278	-1.278	0	%100
31	M31	X	-1.142	-1.142	0	%100
32	M31	Z	-.659	-.659	0	%100
33	M32	X	-2.213	-2.213	0	%100
34	M32	Z	-1.278	-1.278	0	%100
35	M33	X	-2.213	-2.213	0	%100
36	M33	Z	-1.278	-1.278	0	%100
37	M34	X	-2.002	-2.002	0	%100
38	M34	Z	-1.156	-1.156	0	%100
39	M35	X	-2.213	-2.213	0	%100
40	M35	Z	-1.278	-1.278	0	%100
41	M115	X	-4.868	-4.868	0	%100
42	M115	Z	-2.81	-2.81	0	%100
43	OVP	X	-.025	-.025	0	%100
44	OVP	Z	-.014	-.014	0	%100
45	M117	X	-.025	-.025	0	%100
46	M117	Z	-.014	-.014	0	%100
47	M118	X	-4.868	-4.868	0	%100
48	M118	Z	-2.81	-2.81	0	%100
49	M127	X	-1.24	-1.24	0	%100
50	M127	Z	-.716	-.716	0	%100
51	M128	X	-.006	-.006	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
52	M128	Z	-.004	-.004	0	%100
53	M129	X	-.006	-.006	0	%100
54	M129	Z	-.004	-.004	0	%100
55	M130	X	-1.24	-1.24	0	%100
56	M130	Z	-.716	-.716	0	%100
57	M40	X	-.373	-.373	0	%100
58	M40	Z	-.216	-.216	0	%100
59	M41	X	-.373	-.373	0	%100
60	M41	Z	-.216	-.216	0	%100
61	M41A	X	-6.125	-6.125	0	%100
62	M41A	Z	-3.536	-3.536	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	-3.034	-3.034	0	%100
2	M1	Z	-5.255	-5.255	0	%100
3	M2	X	-3.034	-3.034	0	%100
4	M2	Z	-5.255	-5.255	0	%100
5	MP4A	X	-4.046	-4.046	0	%100
6	MP4A	Z	-7.007	-7.007	0	%100
7	MP3A	X	-4.046	-4.046	0	%100
8	MP3A	Z	-7.007	-7.007	0	%100
9	MP2A	X	-4.046	-4.046	0	%100
10	MP2A	Z	-7.007	-7.007	0	%100
11	MP1A	X	-4.046	-4.046	0	%100
12	MP1A	Z	-7.007	-7.007	0	%100
13	M15	X	-.848	-.848	0	%100
14	M15	Z	-1.469	-1.469	0	%100
15	M16	X	-.167	-.167	0	%100
16	M16	Z	-.29	-.29	0	%100
17	M17	X	-.167	-.167	0	%100
18	M17	Z	-.29	-.29	0	%100
19	M18	X	-.848	-.848	0	%100
20	M18	Z	-1.469	-1.469	0	%100
21	M26	X	-.213	-.213	0	%100
22	M26	Z	-.369	-.369	0	%100
23	M27	X	-.213	-.213	0	%100
24	M27	Z	-.369	-.369	0	%100
25	M28	X	-.213	-.213	0	%100
26	M28	Z	-.369	-.369	0	%100
27	M29	X	-.213	-.213	0	%100
28	M29	Z	-.369	-.369	0	%100
29	M30	X	-1.278	-1.278	0	%100
30	M30	Z	-2.213	-2.213	0	%100
31	M31	X	-.779	-.779	0	%100
32	M31	Z	-1.349	-1.349	0	%100
33	M32	X	-1.278	-1.278	0	%100
34	M32	Z	-2.213	-2.213	0	%100
35	M33	X	-1.278	-1.278	0	%100
36	M33	Z	-2.213	-2.213	0	%100
37	M34	X	-1.275	-1.275	0	%100
38	M34	Z	-2.208	-2.208	0	%100
39	M35	X	-1.278	-1.278	0	%100
40	M35	Z	-2.213	-2.213	0	%100
41	M115	X	-3.483	-3.483	0	%100
42	M115	Z	-6.033	-6.033	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
43	OVP	X	-.687	-.687	0	%100
44	OVP	Z	-1.19	-1.19	0	%100
45	M117	X	-.687	-.687	0	%100
46	M117	Z	-1.19	-1.19	0	%100
47	M118	X	-3.483	-3.483	0	%100
48	M118	Z	-6.033	-6.033	0	%100
49	M127	X	-.887	-.887	0	%100
50	M127	Z	-1.537	-1.537	0	%100
51	M128	X	-.175	-.175	0	%100
52	M128	Z	-.303	-.303	0	%100
53	M129	X	-.175	-.175	0	%100
54	M129	Z	-.303	-.303	0	%100
55	M130	X	-.887	-.887	0	%100
56	M130	Z	-1.537	-1.537	0	%100
57	M40	X	-.647	-.647	0	%100
58	M40	Z	-1.12	-1.12	0	%100
59	M41	X	-.647	-.647	0	%100
60	M41	Z	-1.12	-1.12	0	%100
61	M41A	X	-1.634	-1.634	0	%100
62	M41A	Z	-2.83	-2.83	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	-2.725	-2.725	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.725	-2.725	0	%100
5	MP4A	X	0	0	0	%100
6	MP4A	Z	-2.725	-2.725	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-2.725	-2.725	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	-2.725	-2.725	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-2.725	-2.725	0	%100
13	M15	X	0	0	0	%100
14	M15	Z	-.744	-.744	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	-.744	-.744	0	%100
17	M17	X	0	0	0	%100
18	M17	Z	-.744	-.744	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	-.744	-.744	0	%100
21	M26	X	0	0	0	%100
22	M26	Z	0	0	0	%100
23	M27	X	0	0	0	%100
24	M27	Z	0	0	0	%100
25	M28	X	0	0	0	%100
26	M28	Z	0	0	0	%100
27	M29	X	0	0	0	%100
28	M29	Z	0	0	0	%100
29	M30	X	0	0	0	%100
30	M30	Z	-1.546	-1.546	0	%100
31	M31	X	0	0	0	%100
32	M31	Z	-1.445	-1.445	0	%100
33	M32	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
34	M32	Z	-1.546	-1.546	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-1.546	-1.546	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	-1.445	-1.445	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	-1.546	-1.546	0	%100
41	M115	X	0	0	0	%100
42	M115	Z	-1.64	-1.64	0	%100
43	OVP	X	0	0	0	%100
44	OVP	Z	-1.64	-1.64	0	%100
45	M117	X	0	0	0	%100
46	M117	Z	-1.64	-1.64	0	%100
47	M118	X	0	0	0	%100
48	M118	Z	-1.64	-1.64	0	%100
49	M127	X	0	0	0	%100
50	M127	Z	-.753	-.753	0	%100
51	M128	X	0	0	0	%100
52	M128	Z	-.753	-.753	0	%100
53	M129	X	0	0	0	%100
54	M129	Z	-.753	-.753	0	%100
55	M130	X	0	0	0	%100
56	M130	Z	-.753	-.753	0	%100
57	M40	X	0	0	0	%100
58	M40	Z	-1.199	-1.199	0	%100
59	M41	X	0	0	0	%100
60	M41	Z	-1.199	-1.199	0	%100
61	M41A	X	0	0	0	%100
62	M41A	Z	-.094	-.094	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	1.022	1.022	0	%100
2	M1	Z	-1.77	-1.77	0	%100
3	M2	X	1.022	1.022	0	%100
4	M2	Z	-1.77	-1.77	0	%100
5	MP4A	X	1.363	1.363	0	%100
6	MP4A	Z	-2.36	-2.36	0	%100
7	MP3A	X	1.363	1.363	0	%100
8	MP3A	Z	-2.36	-2.36	0	%100
9	MP2A	X	1.363	1.363	0	%100
10	MP2A	Z	-2.36	-2.36	0	%100
11	MP1A	X	1.363	1.363	0	%100
12	MP1A	Z	-2.36	-2.36	0	%100
13	M15	X	.106	.106	0	%100
14	M15	Z	-.183	-.183	0	%100
15	M16	X	.535	.535	0	%100
16	M16	Z	-.927	-.927	0	%100
17	M17	X	.535	.535	0	%100
18	M17	Z	-.927	-.927	0	%100
19	M18	X	.106	.106	0	%100
20	M18	Z	-.183	-.183	0	%100
21	M26	X	.134	.134	0	%100
22	M26	Z	-.233	-.233	0	%100
23	M27	X	.134	.134	0	%100
24	M27	Z	-.233	-.233	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
25	M28	X	.134	.134	0	%100
26	M28	Z	-.233	-.233	0	%100
27	M29	X	.134	.134	0	%100
28	M29	Z	-.233	-.233	0	%100
29	M30	X	.773	.773	0	%100
30	M30	Z	-1.339	-1.339	0	%100
31	M31	X	.848	.848	0	%100
32	M31	Z	-1.468	-1.468	0	%100
33	M32	X	.773	.773	0	%100
34	M32	Z	-1.339	-1.339	0	%100
35	M33	X	.773	.773	0	%100
36	M33	Z	-1.339	-1.339	0	%100
37	M34	X	.518	.518	0	%100
38	M34	Z	-.897	-.897	0	%100
39	M35	X	.773	.773	0	%100
40	M35	Z	-1.339	-1.339	0	%100
41	M115	X	.233	.233	0	%100
42	M115	Z	-.403	-.403	0	%100
43	OVP	X	1.179	1.179	0	%100
44	OVP	Z	-2.043	-2.043	0	%100
45	M117	X	1.179	1.179	0	%100
46	M117	Z	-2.043	-2.043	0	%100
47	M118	X	.233	.233	0	%100
48	M118	Z	-.403	-.403	0	%100
49	M127	X	.107	.107	0	%100
50	M127	Z	-.185	-.185	0	%100
51	M128	X	.542	.542	0	%100
52	M128	Z	-.938	-.938	0	%100
53	M129	X	.542	.542	0	%100
54	M129	Z	-.938	-.938	0	%100
55	M130	X	.107	.107	0	%100
56	M130	Z	-.185	-.185	0	%100
57	M40	X	.45	.45	0	%100
58	M40	Z	-.779	-.779	0	%100
59	M41	X	.45	.45	0	%100
60	M41	Z	-.779	-.779	0	%100
61	M41A	X	.185	.185	0	%100
62	M41A	Z	-.32	-.32	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	.59	.59	0	%100
2	M1	Z	-.341	-.341	0	%100
3	M2	X	.59	.59	0	%100
4	M2	Z	-.341	-.341	0	%100
5	MP4A	X	2.36	2.36	0	%100
6	MP4A	Z	-1.363	-1.363	0	%100
7	MP3A	X	2.36	2.36	0	%100
8	MP3A	Z	-1.363	-1.363	0	%100
9	MP2A	X	2.36	2.36	0	%100
10	MP2A	Z	-1.363	-1.363	0	%100
11	MP1A	X	2.36	2.36	0	%100
12	MP1A	Z	-1.363	-1.363	0	%100
13	M15	X	.004	.004	0	%100
14	M15	Z	-.002	-.002	0	%100
15	M16	X	.748	.748	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
16	M16	Z	-.432	-.432	0	%100
17	M17	X	.748	.748	0	%100
18	M17	Z	-.432	-.432	0	%100
19	M18	X	.004	.004	0	%100
20	M18	Z	-.002	-.002	0	%100
21	M26	X	.698	.698	0	%100
22	M26	Z	-.403	-.403	0	%100
23	M27	X	.698	.698	0	%100
24	M27	Z	-.403	-.403	0	%100
25	M28	X	.698	.698	0	%100
26	M28	Z	-.403	-.403	0	%100
27	M29	X	.698	.698	0	%100
28	M29	Z	-.403	-.403	0	%100
29	M30	X	1.339	1.339	0	%100
30	M30	Z	-.773	-.773	0	%100
31	M31	X	1.331	1.331	0	%100
32	M31	Z	-.768	-.768	0	%100
33	M32	X	1.339	1.339	0	%100
34	M32	Z	-.773	-.773	0	%100
35	M33	X	1.339	1.339	0	%100
36	M33	Z	-.773	-.773	0	%100
37	M34	X	.759	.759	0	%100
38	M34	Z	-.438	-.438	0	%100
39	M35	X	1.339	1.339	0	%100
40	M35	Z	-.773	-.773	0	%100
41	M115	X	.008	.008	0	%100
42	M115	Z	-.005	-.005	0	%100
43	OVP	X	1.648	1.648	0	%100
44	OVP	Z	-.952	-.952	0	%100
45	M117	X	1.648	1.648	0	%100
46	M117	Z	-.952	-.952	0	%100
47	M118	X	.008	.008	0	%100
48	M118	Z	-.005	-.005	0	%100
49	M127	X	.004	.004	0	%100
50	M127	Z	-.002	-.002	0	%100
51	M128	X	.757	.757	0	%100
52	M128	Z	-.437	-.437	0	%100
53	M129	X	.757	.757	0	%100
54	M129	Z	-.437	-.437	0	%100
55	M130	X	.004	.004	0	%100
56	M130	Z	-.002	-.002	0	%100
57	M40	X	.26	.26	0	%100
58	M40	Z	-.15	-.15	0	%100
59	M41	X	.26	.26	0	%100
60	M41	Z	-.15	-.15	0	%100
61	M41A	X	1.43	1.43	0	%100
62	M41A	Z	-.826	-.826	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP4A	X	2.725	2.725	0	%100
6	MP4A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
7	MP3A	X	2.725	2.725	0	%100
8	MP3A	Z	0	0	0	%100
9	MP2A	X	2.725	2.725	0	%100
10	MP2A	Z	0	0	0	%100
11	MP1A	X	2.725	2.725	0	%100
12	MP1A	Z	0	0	0	%100
13	M15	X	.331	.331	0	%100
14	M15	Z	0	0	0	%100
15	M16	X	.331	.331	0	%100
16	M16	Z	0	0	0	%100
17	M17	X	.331	.331	0	%100
18	M17	Z	0	0	0	%100
19	M18	X	.331	.331	0	%100
20	M18	Z	0	0	0	%100
21	M26	X	1.075	1.075	0	%100
22	M26	Z	0	0	0	%100
23	M27	X	1.075	1.075	0	%100
24	M27	Z	0	0	0	%100
25	M28	X	1.075	1.075	0	%100
26	M28	Z	0	0	0	%100
27	M29	X	1.075	1.075	0	%100
28	M29	Z	0	0	0	%100
29	M30	X	1.546	1.546	0	%100
30	M30	Z	0	0	0	%100
31	M31	X	1.127	1.127	0	%100
32	M31	Z	0	0	0	%100
33	M32	X	1.546	1.546	0	%100
34	M32	Z	0	0	0	%100
35	M33	X	1.546	1.546	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	1.127	1.127	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	1.546	1.546	0	%100
40	M35	Z	0	0	0	%100
41	M115	X	.729	.729	0	%100
42	M115	Z	0	0	0	%100
43	OVP	X	.729	.729	0	%100
44	OVP	Z	0	0	0	%100
45	M117	X	.729	.729	0	%100
46	M117	Z	0	0	0	%100
47	M118	X	.729	.729	0	%100
48	M118	Z	0	0	0	%100
49	M127	X	.335	.335	0	%100
50	M127	Z	0	0	0	%100
51	M128	X	.335	.335	0	%100
52	M128	Z	0	0	0	%100
53	M129	X	.335	.335	0	%100
54	M129	Z	0	0	0	%100
55	M130	X	.335	.335	0	%100
56	M130	Z	0	0	0	%100
57	M40	X	0	0	0	%100
58	M40	Z	0	0	0	%100
59	M41	X	0	0	0	%100
60	M41	Z	0	0	0	%100
61	M41A	X	2.658	2.658	0	%100
62	M41A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	.59	.59	0	%100
2	M1	Z	.341	.341	0	%100
3	M2	X	.59	.59	0	%100
4	M2	Z	.341	.341	0	%100
5	MP4A	X	2.36	2.36	0	%100
6	MP4A	Z	1.363	1.363	0	%100
7	MP3A	X	2.36	2.36	0	%100
8	MP3A	Z	1.363	1.363	0	%100
9	MP2A	X	2.36	2.36	0	%100
10	MP2A	Z	1.363	1.363	0	%100
11	MP1A	X	2.36	2.36	0	%100
12	MP1A	Z	1.363	1.363	0	%100
13	M15	X	.748	.748	0	%100
14	M15	Z	.432	.432	0	%100
15	M16	X	.004	.004	0	%100
16	M16	Z	.002	.002	0	%100
17	M17	X	.004	.004	0	%100
18	M17	Z	.002	.002	0	%100
19	M18	X	.748	.748	0	%100
20	M18	Z	.432	.432	0	%100
21	M26	X	.698	.698	0	%100
22	M26	Z	.403	.403	0	%100
23	M27	X	.698	.698	0	%100
24	M27	Z	.403	.403	0	%100
25	M28	X	.698	.698	0	%100
26	M28	Z	.403	.403	0	%100
27	M29	X	.698	.698	0	%100
28	M29	Z	.403	.403	0	%100
29	M30	X	1.339	1.339	0	%100
30	M30	Z	.773	.773	0	%100
31	M31	X	.759	.759	0	%100
32	M31	Z	.438	.438	0	%100
33	M32	X	1.339	1.339	0	%100
34	M32	Z	.773	.773	0	%100
35	M33	X	1.339	1.339	0	%100
36	M33	Z	.773	.773	0	%100
37	M34	X	1.331	1.331	0	%100
38	M34	Z	.768	.768	0	%100
39	M35	X	1.339	1.339	0	%100
40	M35	Z	.773	.773	0	%100
41	M115	X	1.648	1.648	0	%100
42	M115	Z	.952	.952	0	%100
43	OVP	X	.008	.008	0	%100
44	OVP	Z	.005	.005	0	%100
45	M117	X	.008	.008	0	%100
46	M117	Z	.005	.005	0	%100
47	M118	X	1.648	1.648	0	%100
48	M118	Z	.952	.952	0	%100
49	M127	X	.757	.757	0	%100
50	M127	Z	.437	.437	0	%100
51	M128	X	.004	.004	0	%100
52	M128	Z	.002	.002	0	%100
53	M129	X	.004	.004	0	%100
54	M129	Z	.002	.002	0	%100
55	M130	X	.757	.757	0	%100
56	M130	Z	.437	.437	0	%100
57	M40	X	.26	.26	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
58	M40	Z	.15	.15	0	%100
59	M41	X	.26	.26	0	%100
60	M41	Z	.15	.15	0	%100
61	M41A	X	2.063	2.063	0	%100
62	M41A	Z	1.191	1.191	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	1.022	1.022	0	%100
2	M1	Z	1.77	1.77	0	%100
3	M2	X	1.022	1.022	0	%100
4	M2	Z	1.77	1.77	0	%100
5	MP4A	X	1.363	1.363	0	%100
6	MP4A	Z	2.36	2.36	0	%100
7	MP3A	X	1.363	1.363	0	%100
8	MP3A	Z	2.36	2.36	0	%100
9	MP2A	X	1.363	1.363	0	%100
10	MP2A	Z	2.36	2.36	0	%100
11	MP1A	X	1.363	1.363	0	%100
12	MP1A	Z	2.36	2.36	0	%100
13	M15	X	.535	.535	0	%100
14	M15	Z	.927	.927	0	%100
15	M16	X	.106	.106	0	%100
16	M16	Z	.183	.183	0	%100
17	M17	X	.106	.106	0	%100
18	M17	Z	.183	.183	0	%100
19	M18	X	.535	.535	0	%100
20	M18	Z	.927	.927	0	%100
21	M26	X	.134	.134	0	%100
22	M26	Z	.233	.233	0	%100
23	M27	X	.134	.134	0	%100
24	M27	Z	.233	.233	0	%100
25	M28	X	.134	.134	0	%100
26	M28	Z	.233	.233	0	%100
27	M29	X	.134	.134	0	%100
28	M29	Z	.233	.233	0	%100
29	M30	X	.773	.773	0	%100
30	M30	Z	1.339	1.339	0	%100
31	M31	X	.518	.518	0	%100
32	M31	Z	.897	.897	0	%100
33	M32	X	.773	.773	0	%100
34	M32	Z	1.339	1.339	0	%100
35	M33	X	.773	.773	0	%100
36	M33	Z	1.339	1.339	0	%100
37	M34	X	.848	.848	0	%100
38	M34	Z	1.468	1.468	0	%100
39	M35	X	.773	.773	0	%100
40	M35	Z	1.339	1.339	0	%100
41	M115	X	1.179	1.179	0	%100
42	M115	Z	2.043	2.043	0	%100
43	OVP	X	.233	.233	0	%100
44	OVP	Z	.403	.403	0	%100
45	M117	X	.233	.233	0	%100
46	M117	Z	.403	.403	0	%100
47	M118	X	1.179	1.179	0	%100
48	M118	Z	2.043	2.043	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
49	M127	X	.542	.542	0	%100
50	M127	Z	.938	.938	0	%100
51	M128	X	.107	.107	0	%100
52	M128	Z	.185	.185	0	%100
53	M129	X	.107	.107	0	%100
54	M129	Z	.185	.185	0	%100
55	M130	X	.542	.542	0	%100
56	M130	Z	.938	.938	0	%100
57	M40	X	.45	.45	0	%100
58	M40	Z	.779	.779	0	%100
59	M41	X	.45	.45	0	%100
60	M41	Z	.779	.779	0	%100
61	M41A	X	.55	.55	0	%100
62	M41A	Z	.953	.953	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	2.725	2.725	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.725	2.725	0	%100
5	MP4A	X	0	0	0	%100
6	MP4A	Z	2.725	2.725	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	2.725	2.725	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	2.725	2.725	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	2.725	2.725	0	%100
13	M15	X	0	0	0	%100
14	M15	Z	.744	.744	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	.744	.744	0	%100
17	M17	X	0	0	0	%100
18	M17	Z	.744	.744	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	.744	.744	0	%100
21	M26	X	0	0	0	%100
22	M26	Z	0	0	0	%100
23	M27	X	0	0	0	%100
24	M27	Z	0	0	0	%100
25	M28	X	0	0	0	%100
26	M28	Z	0	0	0	%100
27	M29	X	0	0	0	%100
28	M29	Z	0	0	0	%100
29	M30	X	0	0	0	%100
30	M30	Z	1.546	1.546	0	%100
31	M31	X	0	0	0	%100
32	M31	Z	1.445	1.445	0	%100
33	M32	X	0	0	0	%100
34	M32	Z	1.546	1.546	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	1.546	1.546	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	1.445	1.445	0	%100
39	M35	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
40	M35	Z	1.546	1.546	0	%100
41	M115	X	0	0	0	%100
42	M115	Z	1.64	1.64	0	%100
43	OVP	X	0	0	0	%100
44	OVP	Z	1.64	1.64	0	%100
45	M117	X	0	0	0	%100
46	M117	Z	1.64	1.64	0	%100
47	M118	X	0	0	0	%100
48	M118	Z	1.64	1.64	0	%100
49	M127	X	0	0	0	%100
50	M127	Z	.753	.753	0	%100
51	M128	X	0	0	0	%100
52	M128	Z	.753	.753	0	%100
53	M129	X	0	0	0	%100
54	M129	Z	.753	.753	0	%100
55	M130	X	0	0	0	%100
56	M130	Z	.753	.753	0	%100
57	M40	X	0	0	0	%100
58	M40	Z	1.199	1.199	0	%100
59	M41	X	0	0	0	%100
60	M41	Z	1.199	1.199	0	%100
61	M41A	X	0	0	0	%100
62	M41A	Z	.094	.094	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	-1.022	-1.022	0	%100
2	M1	Z	1.77	1.77	0	%100
3	M2	X	-1.022	-1.022	0	%100
4	M2	Z	1.77	1.77	0	%100
5	MP4A	X	-1.363	-1.363	0	%100
6	MP4A	Z	2.36	2.36	0	%100
7	MP3A	X	-1.363	-1.363	0	%100
8	MP3A	Z	2.36	2.36	0	%100
9	MP2A	X	-1.363	-1.363	0	%100
10	MP2A	Z	2.36	2.36	0	%100
11	MP1A	X	-1.363	-1.363	0	%100
12	MP1A	Z	2.36	2.36	0	%100
13	M15	X	-.106	-.106	0	%100
14	M15	Z	.183	.183	0	%100
15	M16	X	-.535	-.535	0	%100
16	M16	Z	.927	.927	0	%100
17	M17	X	-.535	-.535	0	%100
18	M17	Z	.927	.927	0	%100
19	M18	X	-.106	-.106	0	%100
20	M18	Z	.183	.183	0	%100
21	M26	X	-.134	-.134	0	%100
22	M26	Z	.233	.233	0	%100
23	M27	X	-.134	-.134	0	%100
24	M27	Z	.233	.233	0	%100
25	M28	X	-.134	-.134	0	%100
26	M28	Z	.233	.233	0	%100
27	M29	X	-.134	-.134	0	%100
28	M29	Z	.233	.233	0	%100
29	M30	X	-.773	-.773	0	%100
30	M30	Z	1.339	1.339	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
31	M31	X	-.848	-.848	0	%100
32	M31	Z	1.468	1.468	0	%100
33	M32	X	-.773	-.773	0	%100
34	M32	Z	1.339	1.339	0	%100
35	M33	X	-.773	-.773	0	%100
36	M33	Z	1.339	1.339	0	%100
37	M34	X	-.518	-.518	0	%100
38	M34	Z	.897	.897	0	%100
39	M35	X	-.773	-.773	0	%100
40	M35	Z	1.339	1.339	0	%100
41	M115	X	-.233	-.233	0	%100
42	M115	Z	.403	.403	0	%100
43	OVP	X	-1.179	-1.179	0	%100
44	OVP	Z	2.043	2.043	0	%100
45	M117	X	-1.179	-1.179	0	%100
46	M117	Z	2.043	2.043	0	%100
47	M118	X	-.233	-.233	0	%100
48	M118	Z	.403	.403	0	%100
49	M127	X	-.107	-.107	0	%100
50	M127	Z	.185	.185	0	%100
51	M128	X	-.542	-.542	0	%100
52	M128	Z	.938	.938	0	%100
53	M129	X	-.542	-.542	0	%100
54	M129	Z	.938	.938	0	%100
55	M130	X	-.107	-.107	0	%100
56	M130	Z	.185	.185	0	%100
57	M40	X	-.45	-.45	0	%100
58	M40	Z	.779	.779	0	%100
59	M41	X	-.45	-.45	0	%100
60	M41	Z	.779	.779	0	%100
61	M41A	X	-.185	-.185	0	%100
62	M41A	Z	.32	.32	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	-.59	-.59	0	%100
2	M1	Z	.341	.341	0	%100
3	M2	X	-.59	-.59	0	%100
4	M2	Z	.341	.341	0	%100
5	MP4A	X	-2.36	-2.36	0	%100
6	MP4A	Z	1.363	1.363	0	%100
7	MP3A	X	-2.36	-2.36	0	%100
8	MP3A	Z	1.363	1.363	0	%100
9	MP2A	X	-2.36	-2.36	0	%100
10	MP2A	Z	1.363	1.363	0	%100
11	MP1A	X	-2.36	-2.36	0	%100
12	MP1A	Z	1.363	1.363	0	%100
13	M15	X	-.004	-.004	0	%100
14	M15	Z	.002	.002	0	%100
15	M16	X	-.748	-.748	0	%100
16	M16	Z	.432	.432	0	%100
17	M17	X	-.748	-.748	0	%100
18	M17	Z	.432	.432	0	%100
19	M18	X	-.004	-.004	0	%100
20	M18	Z	.002	.002	0	%100
21	M26	X	-.698	-.698	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
22	M26	Z	.403	.403	0	%100
23	M27	X	-.698	-.698	0	%100
24	M27	Z	.403	.403	0	%100
25	M28	X	-.698	-.698	0	%100
26	M28	Z	.403	.403	0	%100
27	M29	X	-.698	-.698	0	%100
28	M29	Z	.403	.403	0	%100
29	M30	X	-1.339	-1.339	0	%100
30	M30	Z	.773	.773	0	%100
31	M31	X	-1.331	-1.331	0	%100
32	M31	Z	.768	.768	0	%100
33	M32	X	-1.339	-1.339	0	%100
34	M32	Z	.773	.773	0	%100
35	M33	X	-1.339	-1.339	0	%100
36	M33	Z	.773	.773	0	%100
37	M34	X	-.759	-.759	0	%100
38	M34	Z	.438	.438	0	%100
39	M35	X	-1.339	-1.339	0	%100
40	M35	Z	.773	.773	0	%100
41	M115	X	-.008	-.008	0	%100
42	M115	Z	.005	.005	0	%100
43	OVP	X	-1.648	-1.648	0	%100
44	OVP	Z	.952	.952	0	%100
45	M117	X	-1.648	-1.648	0	%100
46	M117	Z	.952	.952	0	%100
47	M118	X	-.008	-.008	0	%100
48	M118	Z	.005	.005	0	%100
49	M127	X	-.004	-.004	0	%100
50	M127	Z	.002	.002	0	%100
51	M128	X	-.757	-.757	0	%100
52	M128	Z	.437	.437	0	%100
53	M129	X	-.757	-.757	0	%100
54	M129	Z	.437	.437	0	%100
55	M130	X	-.004	-.004	0	%100
56	M130	Z	.002	.002	0	%100
57	M40	X	-.26	-.26	0	%100
58	M40	Z	.15	.15	0	%100
59	M41	X	-.26	-.26	0	%100
60	M41	Z	.15	.15	0	%100
61	M41A	X	-1.43	-1.43	0	%100
62	M41A	Z	.826	.826	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP4A	X	-2.725	-2.725	0	%100
6	MP4A	Z	0	0	0	%100
7	MP3A	X	-2.725	-2.725	0	%100
8	MP3A	Z	0	0	0	%100
9	MP2A	X	-2.725	-2.725	0	%100
10	MP2A	Z	0	0	0	%100
11	MP1A	X	-2.725	-2.725	0	%100
12	MP1A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
13	M15	X	-.331	-.331	0	%100
14	M15	Z	0	0	0	%100
15	M16	X	-.331	-.331	0	%100
16	M16	Z	0	0	0	%100
17	M17	X	-.331	-.331	0	%100
18	M17	Z	0	0	0	%100
19	M18	X	-.331	-.331	0	%100
20	M18	Z	0	0	0	%100
21	M26	X	-1.075	-1.075	0	%100
22	M26	Z	0	0	0	%100
23	M27	X	-1.075	-1.075	0	%100
24	M27	Z	0	0	0	%100
25	M28	X	-1.075	-1.075	0	%100
26	M28	Z	0	0	0	%100
27	M29	X	-1.075	-1.075	0	%100
28	M29	Z	0	0	0	%100
29	M30	X	-1.546	-1.546	0	%100
30	M30	Z	0	0	0	%100
31	M31	X	-1.127	-1.127	0	%100
32	M31	Z	0	0	0	%100
33	M32	X	-1.546	-1.546	0	%100
34	M32	Z	0	0	0	%100
35	M33	X	-1.546	-1.546	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	-1.127	-1.127	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	-1.546	-1.546	0	%100
40	M35	Z	0	0	0	%100
41	M115	X	-.729	-.729	0	%100
42	M115	Z	0	0	0	%100
43	OVP	X	-.729	-.729	0	%100
44	OVP	Z	0	0	0	%100
45	M117	X	-.729	-.729	0	%100
46	M117	Z	0	0	0	%100
47	M118	X	-.729	-.729	0	%100
48	M118	Z	0	0	0	%100
49	M127	X	-.335	-.335	0	%100
50	M127	Z	0	0	0	%100
51	M128	X	-.335	-.335	0	%100
52	M128	Z	0	0	0	%100
53	M129	X	-.335	-.335	0	%100
54	M129	Z	0	0	0	%100
55	M130	X	-.335	-.335	0	%100
56	M130	Z	0	0	0	%100
57	M40	X	0	0	0	%100
58	M40	Z	0	0	0	%100
59	M41	X	0	0	0	%100
60	M41	Z	0	0	0	%100
61	M41A	X	-2.658	-2.658	0	%100
62	M41A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	-.59	-.59	0	%100
2	M1	Z	-.341	-.341	0	%100
3	M2	X	-.59	-.59	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
4	M2	Z	-.341	-.341	0	%100
5	MP4A	X	-2.36	-2.36	0	%100
6	MP4A	Z	-1.363	-1.363	0	%100
7	MP3A	X	-2.36	-2.36	0	%100
8	MP3A	Z	-1.363	-1.363	0	%100
9	MP2A	X	-2.36	-2.36	0	%100
10	MP2A	Z	-1.363	-1.363	0	%100
11	MP1A	X	-2.36	-2.36	0	%100
12	MP1A	Z	-1.363	-1.363	0	%100
13	M15	X	-.748	-.748	0	%100
14	M15	Z	-.432	-.432	0	%100
15	M16	X	-.004	-.004	0	%100
16	M16	Z	-.002	-.002	0	%100
17	M17	X	-.004	-.004	0	%100
18	M17	Z	-.002	-.002	0	%100
19	M18	X	-.748	-.748	0	%100
20	M18	Z	-.432	-.432	0	%100
21	M26	X	-.698	-.698	0	%100
22	M26	Z	-.403	-.403	0	%100
23	M27	X	-.698	-.698	0	%100
24	M27	Z	-.403	-.403	0	%100
25	M28	X	-.698	-.698	0	%100
26	M28	Z	-.403	-.403	0	%100
27	M29	X	-.698	-.698	0	%100
28	M29	Z	-.403	-.403	0	%100
29	M30	X	-1.339	-1.339	0	%100
30	M30	Z	-.773	-.773	0	%100
31	M31	X	-.759	-.759	0	%100
32	M31	Z	-.438	-.438	0	%100
33	M32	X	-1.339	-1.339	0	%100
34	M32	Z	-.773	-.773	0	%100
35	M33	X	-1.339	-1.339	0	%100
36	M33	Z	-.773	-.773	0	%100
37	M34	X	-1.331	-1.331	0	%100
38	M34	Z	-.768	-.768	0	%100
39	M35	X	-1.339	-1.339	0	%100
40	M35	Z	-.773	-.773	0	%100
41	M115	X	-1.648	-1.648	0	%100
42	M115	Z	-.952	-.952	0	%100
43	OVP	X	-.008	-.008	0	%100
44	OVP	Z	-.005	-.005	0	%100
45	M117	X	-.008	-.008	0	%100
46	M117	Z	-.005	-.005	0	%100
47	M118	X	-1.648	-1.648	0	%100
48	M118	Z	-.952	-.952	0	%100
49	M127	X	-.757	-.757	0	%100
50	M127	Z	-.437	-.437	0	%100
51	M128	X	-.004	-.004	0	%100
52	M128	Z	-.002	-.002	0	%100
53	M129	X	-.004	-.004	0	%100
54	M129	Z	-.002	-.002	0	%100
55	M130	X	-.757	-.757	0	%100
56	M130	Z	-.437	-.437	0	%100
57	M40	X	-.26	-.26	0	%100
58	M40	Z	-.15	-.15	0	%100
59	M41	X	-.26	-.26	0	%100
60	M41	Z	-.15	-.15	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
61	M41A	X	-2.063	-2.063	0	%100
62	M41A	Z	-1.191	-1.191	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	-1.022	-1.022	0	%100
2	M1	Z	-1.77	-1.77	0	%100
3	M2	X	-1.022	-1.022	0	%100
4	M2	Z	-1.77	-1.77	0	%100
5	MP4A	X	-1.363	-1.363	0	%100
6	MP4A	Z	-2.36	-2.36	0	%100
7	MP3A	X	-1.363	-1.363	0	%100
8	MP3A	Z	-2.36	-2.36	0	%100
9	MP2A	X	-1.363	-1.363	0	%100
10	MP2A	Z	-2.36	-2.36	0	%100
11	MP1A	X	-1.363	-1.363	0	%100
12	MP1A	Z	-2.36	-2.36	0	%100
13	M15	X	-.535	-.535	0	%100
14	M15	Z	-.927	-.927	0	%100
15	M16	X	-.106	-.106	0	%100
16	M16	Z	-.183	-.183	0	%100
17	M17	X	-.106	-.106	0	%100
18	M17	Z	-.183	-.183	0	%100
19	M18	X	-.535	-.535	0	%100
20	M18	Z	-.927	-.927	0	%100
21	M26	X	-.134	-.134	0	%100
22	M26	Z	-.233	-.233	0	%100
23	M27	X	-.134	-.134	0	%100
24	M27	Z	-.233	-.233	0	%100
25	M28	X	-.134	-.134	0	%100
26	M28	Z	-.233	-.233	0	%100
27	M29	X	-.134	-.134	0	%100
28	M29	Z	-.233	-.233	0	%100
29	M30	X	-.773	-.773	0	%100
30	M30	Z	-1.339	-1.339	0	%100
31	M31	X	-.518	-.518	0	%100
32	M31	Z	-.897	-.897	0	%100
33	M32	X	-.773	-.773	0	%100
34	M32	Z	-1.339	-1.339	0	%100
35	M33	X	-.773	-.773	0	%100
36	M33	Z	-1.339	-1.339	0	%100
37	M34	X	-.848	-.848	0	%100
38	M34	Z	-1.468	-1.468	0	%100
39	M35	X	-.773	-.773	0	%100
40	M35	Z	-1.339	-1.339	0	%100
41	M115	X	-1.179	-1.179	0	%100
42	M115	Z	-2.043	-2.043	0	%100
43	OVP	X	-.233	-.233	0	%100
44	OVP	Z	-.403	-.403	0	%100
45	M117	X	-.233	-.233	0	%100
46	M117	Z	-.403	-.403	0	%100
47	M118	X	-1.179	-1.179	0	%100
48	M118	Z	-2.043	-2.043	0	%100
49	M127	X	-.542	-.542	0	%100
50	M127	Z	-.938	-.938	0	%100
51	M128	X	-.107	-.107	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
52	M128	Z	-.185	-.185	0	%100
53	M129	X	-.107	-.107	0	%100
54	M129	Z	-.185	-.185	0	%100
55	M130	X	-.542	-.542	0	%100
56	M130	Z	-.938	-.938	0	%100
57	M40	X	-.45	-.45	0	%100
58	M40	Z	-.779	-.779	0	%100
59	M41	X	-.45	-.45	0	%100
60	M41	Z	-.779	-.779	0	%100
61	M41A	X	-.55	-.55	0	%100
62	M41A	Z	-.953	-.953	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.497	-.497	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.497	-.497	0	%100
5	MP4A	X	0	0	0	%100
6	MP4A	Z	-.497	-.497	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-.497	-.497	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	-.497	-.497	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-.497	-.497	0	%100
13	M15	X	0	0	0	%100
14	M15	Z	-.072	-.072	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	-.072	-.072	0	%100
17	M17	X	0	0	0	%100
18	M17	Z	-.072	-.072	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	-.072	-.072	0	%100
21	M26	X	0	0	0	%100
22	M26	Z	0	0	0	%100
23	M27	X	0	0	0	%100
24	M27	Z	0	0	0	%100
25	M28	X	0	0	0	%100
26	M28	Z	0	0	0	%100
27	M29	X	0	0	0	%100
28	M29	Z	0	0	0	%100
29	M30	X	0	0	0	%100
30	M30	Z	-.157	-.157	0	%100
31	M31	X	0	0	0	%100
32	M31	Z	-.134	-.134	0	%100
33	M32	X	0	0	0	%100
34	M32	Z	-.157	-.157	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	-.157	-.157	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	-.134	-.134	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	-.157	-.157	0	%100
41	M115	X	0	0	0	%100
42	M115	Z	-.298	-.298	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
43	OVP	X	0	0	0	%100
44	OVP	Z	-.298	-.298	0	%100
45	M117	X	0	0	0	%100
46	M117	Z	-.298	-.298	0	%100
47	M118	X	0	0	0	%100
48	M118	Z	-.298	-.298	0	%100
49	M127	X	0	0	0	%100
50	M127	Z	-.076	-.076	0	%100
51	M128	X	0	0	0	%100
52	M128	Z	-.076	-.076	0	%100
53	M129	X	0	0	0	%100
54	M129	Z	-.076	-.076	0	%100
55	M130	X	0	0	0	%100
56	M130	Z	-.076	-.076	0	%100
57	M40	X	0	0	0	%100
58	M40	Z	-.106	-.106	0	%100
59	M41	X	0	0	0	%100
60	M41	Z	-.106	-.106	0	%100
61	M41A	X	0	0	0	%100
62	M41A	Z	-.017	-.017	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	.187	.187	0	%100
2	M1	Z	-.323	-.323	0	%100
3	M2	X	.187	.187	0	%100
4	M2	Z	-.323	-.323	0	%100
5	MP4A	X	.249	.249	0	%100
6	MP4A	Z	-.431	-.431	0	%100
7	MP3A	X	.249	.249	0	%100
8	MP3A	Z	-.431	-.431	0	%100
9	MP2A	X	.249	.249	0	%100
10	MP2A	Z	-.431	-.431	0	%100
11	MP1A	X	.249	.249	0	%100
12	MP1A	Z	-.431	-.431	0	%100
13	M15	X	.01	.01	0	%100
14	M15	Z	-.018	-.018	0	%100
15	M16	X	.052	.052	0	%100
16	M16	Z	-.09	-.09	0	%100
17	M17	X	.052	.052	0	%100
18	M17	Z	-.09	-.09	0	%100
19	M18	X	.01	.01	0	%100
20	M18	Z	-.018	-.018	0	%100
21	M26	X	.013	.013	0	%100
22	M26	Z	-.023	-.023	0	%100
23	M27	X	.013	.013	0	%100
24	M27	Z	-.023	-.023	0	%100
25	M28	X	.013	.013	0	%100
26	M28	Z	-.023	-.023	0	%100
27	M29	X	.013	.013	0	%100
28	M29	Z	-.023	-.023	0	%100
29	M30	X	.079	.079	0	%100
30	M30	Z	-.136	-.136	0	%100
31	M31	X	.078	.078	0	%100
32	M31	Z	-.136	-.136	0	%100
33	M32	X	.079	.079	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
34	M32	Z	-.136	-.136	0	%100
35	M33	X	.079	.079	0	%100
36	M33	Z	-.136	-.136	0	%100
37	M34	X	.048	.048	0	%100
38	M34	Z	-.083	-.083	0	%100
39	M35	X	.079	.079	0	%100
40	M35	Z	-.136	-.136	0	%100
41	M115	X	.042	.042	0	%100
42	M115	Z	-.073	-.073	0	%100
43	OVP	X	.214	.214	0	%100
44	OVP	Z	-.371	-.371	0	%100
45	M117	X	.214	.214	0	%100
46	M117	Z	-.371	-.371	0	%100
47	M118	X	.042	.042	0	%100
48	M118	Z	-.073	-.073	0	%100
49	M127	X	.011	.011	0	%100
50	M127	Z	-.019	-.019	0	%100
51	M128	X	.055	.055	0	%100
52	M128	Z	-.094	-.094	0	%100
53	M129	X	.055	.055	0	%100
54	M129	Z	-.094	-.094	0	%100
55	M130	X	.011	.011	0	%100
56	M130	Z	-.019	-.019	0	%100
57	M40	X	.04	.04	0	%100
58	M40	Z	-.069	-.069	0	%100
59	M41	X	.04	.04	0	%100
60	M41	Z	-.069	-.069	0	%100
61	M41A	X	.034	.034	0	%100
62	M41A	Z	-.058	-.058	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	.108	.108	0	%100
2	M1	Z	-.062	-.062	0	%100
3	M2	X	.108	.108	0	%100
4	M2	Z	-.062	-.062	0	%100
5	MP4A	X	.431	.431	0	%100
6	MP4A	Z	-.249	-.249	0	%100
7	MP3A	X	.431	.431	0	%100
8	MP3A	Z	-.249	-.249	0	%100
9	MP2A	X	.431	.431	0	%100
10	MP2A	Z	-.249	-.249	0	%100
11	MP1A	X	.431	.431	0	%100
12	MP1A	Z	-.249	-.249	0	%100
13	M15	X	.000376	.000376	0	%100
14	M15	Z	-.000217	-.000217	0	%100
15	M16	X	.073	.073	0	%100
16	M16	Z	-.042	-.042	0	%100
17	M17	X	.073	.073	0	%100
18	M17	Z	-.042	-.042	0	%100
19	M18	X	.000376	.000376	0	%100
20	M18	Z	-.000217	-.000217	0	%100
21	M26	X	.068	.068	0	%100
22	M26	Z	-.039	-.039	0	%100
23	M27	X	.068	.068	0	%100
24	M27	Z	-.039	-.039	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
25	M28	X	.068	.068	0	%100
26	M28	Z	-.039	-.039	0	%100
27	M29	X	.068	.068	0	%100
28	M29	Z	-.039	-.039	0	%100
29	M30	X	.136	.136	0	%100
30	M30	Z	-.079	-.079	0	%100
31	M31	X	.123	.123	0	%100
32	M31	Z	-.071	-.071	0	%100
33	M32	X	.136	.136	0	%100
34	M32	Z	-.079	-.079	0	%100
35	M33	X	.136	.136	0	%100
36	M33	Z	-.079	-.079	0	%100
37	M34	X	.07	.07	0	%100
38	M34	Z	-.041	-.041	0	%100
39	M35	X	.136	.136	0	%100
40	M35	Z	-.079	-.079	0	%100
41	M115	X	.002	.002	0	%100
42	M115	Z	-.000891	-.000891	0	%100
43	OVP	X	.299	.299	0	%100
44	OVP	Z	-.173	-.173	0	%100
45	M117	X	.299	.299	0	%100
46	M117	Z	-.173	-.173	0	%100
47	M118	X	.002	.002	0	%100
48	M118	Z	-.000891	-.000891	0	%100
49	M127	X	.000393	.000393	0	%100
50	M127	Z	-.000227	-.000227	0	%100
51	M128	X	.076	.076	0	%100
52	M128	Z	-.044	-.044	0	%100
53	M129	X	.076	.076	0	%100
54	M129	Z	-.044	-.044	0	%100
55	M130	X	.000393	.000393	0	%100
56	M130	Z	-.000227	-.000227	0	%100
57	M40	X	.023	.023	0	%100
58	M40	Z	-.013	-.013	0	%100
59	M41	X	.023	.023	0	%100
60	M41	Z	-.013	-.013	0	%100
61	M41A	X	.261	.261	0	%100
62	M41A	Z	-.151	-.151	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP4A	X	.497	.497	0	%100
6	MP4A	Z	0	0	0	%100
7	MP3A	X	.497	.497	0	%100
8	MP3A	Z	0	0	0	%100
9	MP2A	X	.497	.497	0	%100
10	MP2A	Z	0	0	0	%100
11	MP1A	X	.497	.497	0	%100
12	MP1A	Z	0	0	0	%100
13	M15	X	.032	.032	0	%100
14	M15	Z	0	0	0	%100
15	M16	X	.032	.032	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
16	M16	Z	0	0	0	%100
17	M17	X	.032	.032	0	%100
18	M17	Z	0	0	0	%100
19	M18	X	.032	.032	0	%100
20	M18	Z	0	0	0	%100
21	M26	X	.105	.105	0	%100
22	M26	Z	0	0	0	%100
23	M27	X	.105	.105	0	%100
24	M27	Z	0	0	0	%100
25	M28	X	.105	.105	0	%100
26	M28	Z	0	0	0	%100
27	M29	X	.105	.105	0	%100
28	M29	Z	0	0	0	%100
29	M30	X	.157	.157	0	%100
30	M30	Z	0	0	0	%100
31	M31	X	.104	.104	0	%100
32	M31	Z	0	0	0	%100
33	M32	X	.157	.157	0	%100
34	M32	Z	0	0	0	%100
35	M33	X	.157	.157	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	.104	.104	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	.157	.157	0	%100
40	M35	Z	0	0	0	%100
41	M115	X	.132	.132	0	%100
42	M115	Z	0	0	0	%100
43	OVP	X	.132	.132	0	%100
44	OVP	Z	0	0	0	%100
45	M117	X	.132	.132	0	%100
46	M117	Z	0	0	0	%100
47	M118	X	.132	.132	0	%100
48	M118	Z	0	0	0	%100
49	M127	X	.034	.034	0	%100
50	M127	Z	0	0	0	%100
51	M128	X	.034	.034	0	%100
52	M128	Z	0	0	0	%100
53	M129	X	.034	.034	0	%100
54	M129	Z	0	0	0	%100
55	M130	X	.034	.034	0	%100
56	M130	Z	0	0	0	%100
57	M40	X	0	0	0	%100
58	M40	Z	0	0	0	%100
59	M41	X	0	0	0	%100
60	M41	Z	0	0	0	%100
61	M41A	X	.485	.485	0	%100
62	M41A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	.108	.108	0	%100
2	M1	Z	.062	.062	0	%100
3	M2	X	.108	.108	0	%100
4	M2	Z	.062	.062	0	%100
5	MP4A	X	.431	.431	0	%100
6	MP4A	Z	.249	.249	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
7	MP3A	X	.431	.431	0	%100
8	MP3A	Z	.249	.249	0	%100
9	MP2A	X	.431	.431	0	%100
10	MP2A	Z	.249	.249	0	%100
11	MP1A	X	.431	.431	0	%100
12	MP1A	Z	.249	.249	0	%100
13	M15	X	.073	.073	0	%100
14	M15	Z	.042	.042	0	%100
15	M16	X	.000376	.000376	0	%100
16	M16	Z	.000217	.000217	0	%100
17	M17	X	.000376	.000376	0	%100
18	M17	Z	.000217	.000217	0	%100
19	M18	X	.073	.073	0	%100
20	M18	Z	.042	.042	0	%100
21	M26	X	.068	.068	0	%100
22	M26	Z	.039	.039	0	%100
23	M27	X	.068	.068	0	%100
24	M27	Z	.039	.039	0	%100
25	M28	X	.068	.068	0	%100
26	M28	Z	.039	.039	0	%100
27	M29	X	.068	.068	0	%100
28	M29	Z	.039	.039	0	%100
29	M30	X	.136	.136	0	%100
30	M30	Z	.079	.079	0	%100
31	M31	X	.07	.07	0	%100
32	M31	Z	.041	.041	0	%100
33	M32	X	.136	.136	0	%100
34	M32	Z	.079	.079	0	%100
35	M33	X	.136	.136	0	%100
36	M33	Z	.079	.079	0	%100
37	M34	X	.123	.123	0	%100
38	M34	Z	.071	.071	0	%100
39	M35	X	.136	.136	0	%100
40	M35	Z	.079	.079	0	%100
41	M115	X	.299	.299	0	%100
42	M115	Z	.173	.173	0	%100
43	OVP	X	.002	.002	0	%100
44	OVP	Z	.000891	.000891	0	%100
45	M117	X	.002	.002	0	%100
46	M117	Z	.000891	.000891	0	%100
47	M118	X	.299	.299	0	%100
48	M118	Z	.173	.173	0	%100
49	M127	X	.076	.076	0	%100
50	M127	Z	.044	.044	0	%100
51	M128	X	.000393	.000393	0	%100
52	M128	Z	.000227	.000227	0	%100
53	M129	X	.000393	.000393	0	%100
54	M129	Z	.000227	.000227	0	%100
55	M130	X	.076	.076	0	%100
56	M130	Z	.044	.044	0	%100
57	M40	X	.023	.023	0	%100
58	M40	Z	.013	.013	0	%100
59	M41	X	.023	.023	0	%100
60	M41	Z	.013	.013	0	%100
61	M41A	X	.377	.377	0	%100
62	M41A	Z	.217	.217	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	.187	.187	0	%100
2	M1	Z	.323	.323	0	%100
3	M2	X	.187	.187	0	%100
4	M2	Z	.323	.323	0	%100
5	MP4A	X	.249	.249	0	%100
6	MP4A	Z	.431	.431	0	%100
7	MP3A	X	.249	.249	0	%100
8	MP3A	Z	.431	.431	0	%100
9	MP2A	X	.249	.249	0	%100
10	MP2A	Z	.431	.431	0	%100
11	MP1A	X	.249	.249	0	%100
12	MP1A	Z	.431	.431	0	%100
13	M15	X	.052	.052	0	%100
14	M15	Z	.09	.09	0	%100
15	M16	X	.01	.01	0	%100
16	M16	Z	.018	.018	0	%100
17	M17	X	.01	.01	0	%100
18	M17	Z	.018	.018	0	%100
19	M18	X	.052	.052	0	%100
20	M18	Z	.09	.09	0	%100
21	M26	X	.013	.013	0	%100
22	M26	Z	.023	.023	0	%100
23	M27	X	.013	.013	0	%100
24	M27	Z	.023	.023	0	%100
25	M28	X	.013	.013	0	%100
26	M28	Z	.023	.023	0	%100
27	M29	X	.013	.013	0	%100
28	M29	Z	.023	.023	0	%100
29	M30	X	.079	.079	0	%100
30	M30	Z	.136	.136	0	%100
31	M31	X	.048	.048	0	%100
32	M31	Z	.083	.083	0	%100
33	M32	X	.079	.079	0	%100
34	M32	Z	.136	.136	0	%100
35	M33	X	.079	.079	0	%100
36	M33	Z	.136	.136	0	%100
37	M34	X	.078	.078	0	%100
38	M34	Z	.136	.136	0	%100
39	M35	X	.079	.079	0	%100
40	M35	Z	.136	.136	0	%100
41	M115	X	.214	.214	0	%100
42	M115	Z	.371	.371	0	%100
43	OVP	X	.042	.042	0	%100
44	OVP	Z	.073	.073	0	%100
45	M117	X	.042	.042	0	%100
46	M117	Z	.073	.073	0	%100
47	M118	X	.214	.214	0	%100
48	M118	Z	.371	.371	0	%100
49	M127	X	.055	.055	0	%100
50	M127	Z	.094	.094	0	%100
51	M128	X	.011	.011	0	%100
52	M128	Z	.019	.019	0	%100
53	M129	X	.011	.011	0	%100
54	M129	Z	.019	.019	0	%100
55	M130	X	.055	.055	0	%100
56	M130	Z	.094	.094	0	%100
57	M40	X	.04	.04	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
58	M40	Z	.069	.069	0	%100
59	M41	X	.04	.04	0	%100
60	M41	Z	.069	.069	0	%100
61	M41A	X	.1	.1	0	%100
62	M41A	Z	.174	.174	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	.497	.497	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.497	.497	0	%100
5	MP4A	X	0	0	0	%100
6	MP4A	Z	.497	.497	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.497	.497	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	.497	.497	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	.497	.497	0	%100
13	M15	X	0	0	0	%100
14	M15	Z	.072	.072	0	%100
15	M16	X	0	0	0	%100
16	M16	Z	.072	.072	0	%100
17	M17	X	0	0	0	%100
18	M17	Z	.072	.072	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	.072	.072	0	%100
21	M26	X	0	0	0	%100
22	M26	Z	0	0	0	%100
23	M27	X	0	0	0	%100
24	M27	Z	0	0	0	%100
25	M28	X	0	0	0	%100
26	M28	Z	0	0	0	%100
27	M29	X	0	0	0	%100
28	M29	Z	0	0	0	%100
29	M30	X	0	0	0	%100
30	M30	Z	.157	.157	0	%100
31	M31	X	0	0	0	%100
32	M31	Z	.134	.134	0	%100
33	M32	X	0	0	0	%100
34	M32	Z	.157	.157	0	%100
35	M33	X	0	0	0	%100
36	M33	Z	.157	.157	0	%100
37	M34	X	0	0	0	%100
38	M34	Z	.134	.134	0	%100
39	M35	X	0	0	0	%100
40	M35	Z	.157	.157	0	%100
41	M115	X	0	0	0	%100
42	M115	Z	.298	.298	0	%100
43	OVP	X	0	0	0	%100
44	OVP	Z	.298	.298	0	%100
45	M117	X	0	0	0	%100
46	M117	Z	.298	.298	0	%100
47	M118	X	0	0	0	%100
48	M118	Z	.298	.298	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
49	M127	X	0	0	0	%100
50	M127	Z	.076	.076	0	%100
51	M128	X	0	0	0	%100
52	M128	Z	.076	.076	0	%100
53	M129	X	0	0	0	%100
54	M129	Z	.076	.076	0	%100
55	M130	X	0	0	0	%100
56	M130	Z	.076	.076	0	%100
57	M40	X	0	0	0	%100
58	M40	Z	.106	.106	0	%100
59	M41	X	0	0	0	%100
60	M41	Z	.106	.106	0	%100
61	M41A	X	0	0	0	%100
62	M41A	Z	.017	.017	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	-.187	-.187	0	%100
2	M1	Z	.323	.323	0	%100
3	M2	X	-.187	-.187	0	%100
4	M2	Z	.323	.323	0	%100
5	MP4A	X	-.249	-.249	0	%100
6	MP4A	Z	.431	.431	0	%100
7	MP3A	X	-.249	-.249	0	%100
8	MP3A	Z	.431	.431	0	%100
9	MP2A	X	-.249	-.249	0	%100
10	MP2A	Z	.431	.431	0	%100
11	MP1A	X	-.249	-.249	0	%100
12	MP1A	Z	.431	.431	0	%100
13	M15	X	-.01	-.01	0	%100
14	M15	Z	.018	.018	0	%100
15	M16	X	-.052	-.052	0	%100
16	M16	Z	.09	.09	0	%100
17	M17	X	-.052	-.052	0	%100
18	M17	Z	.09	.09	0	%100
19	M18	X	-.01	-.01	0	%100
20	M18	Z	.018	.018	0	%100
21	M26	X	-.013	-.013	0	%100
22	M26	Z	.023	.023	0	%100
23	M27	X	-.013	-.013	0	%100
24	M27	Z	.023	.023	0	%100
25	M28	X	-.013	-.013	0	%100
26	M28	Z	.023	.023	0	%100
27	M29	X	-.013	-.013	0	%100
28	M29	Z	.023	.023	0	%100
29	M30	X	-.079	-.079	0	%100
30	M30	Z	.136	.136	0	%100
31	M31	X	-.078	-.078	0	%100
32	M31	Z	.136	.136	0	%100
33	M32	X	-.079	-.079	0	%100
34	M32	Z	.136	.136	0	%100
35	M33	X	-.079	-.079	0	%100
36	M33	Z	.136	.136	0	%100
37	M34	X	-.048	-.048	0	%100
38	M34	Z	.083	.083	0	%100
39	M35	X	-.079	-.079	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
40	M35	Z	.136	.136	0	%100
41	M115	X	-.042	-.042	0	%100
42	M115	Z	.073	.073	0	%100
43	OVP	X	-.214	-.214	0	%100
44	OVP	Z	.371	.371	0	%100
45	M117	X	-.214	-.214	0	%100
46	M117	Z	.371	.371	0	%100
47	M118	X	-.042	-.042	0	%100
48	M118	Z	.073	.073	0	%100
49	M127	X	-.011	-.011	0	%100
50	M127	Z	.019	.019	0	%100
51	M128	X	-.055	-.055	0	%100
52	M128	Z	.094	.094	0	%100
53	M129	X	-.055	-.055	0	%100
54	M129	Z	.094	.094	0	%100
55	M130	X	-.011	-.011	0	%100
56	M130	Z	.019	.019	0	%100
57	M40	X	-.04	-.04	0	%100
58	M40	Z	.069	.069	0	%100
59	M41	X	-.04	-.04	0	%100
60	M41	Z	.069	.069	0	%100
61	M41A	X	-.034	-.034	0	%100
62	M41A	Z	.058	.058	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	-.108	-.108	0	%100
2	M1	Z	.062	.062	0	%100
3	M2	X	-.108	-.108	0	%100
4	M2	Z	.062	.062	0	%100
5	MP4A	X	-.431	-.431	0	%100
6	MP4A	Z	.249	.249	0	%100
7	MP3A	X	-.431	-.431	0	%100
8	MP3A	Z	.249	.249	0	%100
9	MP2A	X	-.431	-.431	0	%100
10	MP2A	Z	.249	.249	0	%100
11	MP1A	X	-.431	-.431	0	%100
12	MP1A	Z	.249	.249	0	%100
13	M15	X	-.000376	-.000376	0	%100
14	M15	Z	.000217	.000217	0	%100
15	M16	X	-.073	-.073	0	%100
16	M16	Z	.042	.042	0	%100
17	M17	X	-.073	-.073	0	%100
18	M17	Z	.042	.042	0	%100
19	M18	X	-.000376	-.000376	0	%100
20	M18	Z	.000217	.000217	0	%100
21	M26	X	-.068	-.068	0	%100
22	M26	Z	.039	.039	0	%100
23	M27	X	-.068	-.068	0	%100
24	M27	Z	.039	.039	0	%100
25	M28	X	-.068	-.068	0	%100
26	M28	Z	.039	.039	0	%100
27	M29	X	-.068	-.068	0	%100
28	M29	Z	.039	.039	0	%100
29	M30	X	-.136	-.136	0	%100
30	M30	Z	.079	.079	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
31	M31	X	-.123	-.123	0	%100
32	M31	Z	.071	.071	0	%100
33	M32	X	-.136	-.136	0	%100
34	M32	Z	.079	.079	0	%100
35	M33	X	-.136	-.136	0	%100
36	M33	Z	.079	.079	0	%100
37	M34	X	-.07	-.07	0	%100
38	M34	Z	.041	.041	0	%100
39	M35	X	-.136	-.136	0	%100
40	M35	Z	.079	.079	0	%100
41	M115	X	-.002	-.002	0	%100
42	M115	Z	.000891	.000891	0	%100
43	OVP	X	-.299	-.299	0	%100
44	OVP	Z	.173	.173	0	%100
45	M117	X	-.299	-.299	0	%100
46	M117	Z	.173	.173	0	%100
47	M118	X	-.002	-.002	0	%100
48	M118	Z	.000891	.000891	0	%100
49	M127	X	-.000393	-.000393	0	%100
50	M127	Z	.000227	.000227	0	%100
51	M128	X	-.076	-.076	0	%100
52	M128	Z	.044	.044	0	%100
53	M129	X	-.076	-.076	0	%100
54	M129	Z	.044	.044	0	%100
55	M130	X	-.000393	-.000393	0	%100
56	M130	Z	.000227	.000227	0	%100
57	M40	X	-.023	-.023	0	%100
58	M40	Z	.013	.013	0	%100
59	M41	X	-.023	-.023	0	%100
60	M41	Z	.013	.013	0	%100
61	M41A	X	-.261	-.261	0	%100
62	M41A	Z	.151	.151	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP4A	X	-.497	-.497	0	%100
6	MP4A	Z	0	0	0	%100
7	MP3A	X	-.497	-.497	0	%100
8	MP3A	Z	0	0	0	%100
9	MP2A	X	-.497	-.497	0	%100
10	MP2A	Z	0	0	0	%100
11	MP1A	X	-.497	-.497	0	%100
12	MP1A	Z	0	0	0	%100
13	M15	X	-.032	-.032	0	%100
14	M15	Z	0	0	0	%100
15	M16	X	-.032	-.032	0	%100
16	M16	Z	0	0	0	%100
17	M17	X	-.032	-.032	0	%100
18	M17	Z	0	0	0	%100
19	M18	X	-.032	-.032	0	%100
20	M18	Z	0	0	0	%100
21	M26	X	-.105	-.105	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
22	M26	Z	0	0	0	%100
23	M27	X	-.105	-.105	0	%100
24	M27	Z	0	0	0	%100
25	M28	X	-.105	-.105	0	%100
26	M28	Z	0	0	0	%100
27	M29	X	-.105	-.105	0	%100
28	M29	Z	0	0	0	%100
29	M30	X	-.157	-.157	0	%100
30	M30	Z	0	0	0	%100
31	M31	X	-.104	-.104	0	%100
32	M31	Z	0	0	0	%100
33	M32	X	-.157	-.157	0	%100
34	M32	Z	0	0	0	%100
35	M33	X	-.157	-.157	0	%100
36	M33	Z	0	0	0	%100
37	M34	X	-.104	-.104	0	%100
38	M34	Z	0	0	0	%100
39	M35	X	-.157	-.157	0	%100
40	M35	Z	0	0	0	%100
41	M115	X	-.132	-.132	0	%100
42	M115	Z	0	0	0	%100
43	OVP	X	-.132	-.132	0	%100
44	OVP	Z	0	0	0	%100
45	M117	X	-.132	-.132	0	%100
46	M117	Z	0	0	0	%100
47	M118	X	-.132	-.132	0	%100
48	M118	Z	0	0	0	%100
49	M127	X	-.034	-.034	0	%100
50	M127	Z	0	0	0	%100
51	M128	X	-.034	-.034	0	%100
52	M128	Z	0	0	0	%100
53	M129	X	-.034	-.034	0	%100
54	M129	Z	0	0	0	%100
55	M130	X	-.034	-.034	0	%100
56	M130	Z	0	0	0	%100
57	M40	X	0	0	0	%100
58	M40	Z	0	0	0	%100
59	M41	X	0	0	0	%100
60	M41	Z	0	0	0	%100
61	M41A	X	-.485	-.485	0	%100
62	M41A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	-.108	-.108	0	%100
2	M1	Z	-.062	-.062	0	%100
3	M2	X	-.108	-.108	0	%100
4	M2	Z	-.062	-.062	0	%100
5	MP4A	X	-.431	-.431	0	%100
6	MP4A	Z	-.249	-.249	0	%100
7	MP3A	X	-.431	-.431	0	%100
8	MP3A	Z	-.249	-.249	0	%100
9	MP2A	X	-.431	-.431	0	%100
10	MP2A	Z	-.249	-.249	0	%100
11	MP1A	X	-.431	-.431	0	%100
12	MP1A	Z	-.249	-.249	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
13	M15	X	-.073	-.073	0	%100
14	M15	Z	-.042	-.042	0	%100
15	M16	X	-.000376	-.000376	0	%100
16	M16	Z	-.000217	-.000217	0	%100
17	M17	X	-.000376	-.000376	0	%100
18	M17	Z	-.000217	-.000217	0	%100
19	M18	X	-.073	-.073	0	%100
20	M18	Z	-.042	-.042	0	%100
21	M26	X	-.068	-.068	0	%100
22	M26	Z	-.039	-.039	0	%100
23	M27	X	-.068	-.068	0	%100
24	M27	Z	-.039	-.039	0	%100
25	M28	X	-.068	-.068	0	%100
26	M28	Z	-.039	-.039	0	%100
27	M29	X	-.068	-.068	0	%100
28	M29	Z	-.039	-.039	0	%100
29	M30	X	-.136	-.136	0	%100
30	M30	Z	-.079	-.079	0	%100
31	M31	X	-.07	-.07	0	%100
32	M31	Z	-.041	-.041	0	%100
33	M32	X	-.136	-.136	0	%100
34	M32	Z	-.079	-.079	0	%100
35	M33	X	-.136	-.136	0	%100
36	M33	Z	-.079	-.079	0	%100
37	M34	X	-.123	-.123	0	%100
38	M34	Z	-.071	-.071	0	%100
39	M35	X	-.136	-.136	0	%100
40	M35	Z	-.079	-.079	0	%100
41	M115	X	-.299	-.299	0	%100
42	M115	Z	-.173	-.173	0	%100
43	OVP	X	-.002	-.002	0	%100
44	OVP	Z	-.000891	-.000891	0	%100
45	M117	X	-.002	-.002	0	%100
46	M117	Z	-.000891	-.000891	0	%100
47	M118	X	-.299	-.299	0	%100
48	M118	Z	-.173	-.173	0	%100
49	M127	X	-.076	-.076	0	%100
50	M127	Z	-.044	-.044	0	%100
51	M128	X	-.000393	-.000393	0	%100
52	M128	Z	-.000227	-.000227	0	%100
53	M129	X	-.000393	-.000393	0	%100
54	M129	Z	-.000227	-.000227	0	%100
55	M130	X	-.076	-.076	0	%100
56	M130	Z	-.044	-.044	0	%100
57	M40	X	-.023	-.023	0	%100
58	M40	Z	-.013	-.013	0	%100
59	M41	X	-.023	-.023	0	%100
60	M41	Z	-.013	-.013	0	%100
61	M41A	X	-.377	-.377	0	%100
62	M41A	Z	-.217	-.217	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
1	M1	X	-.187	-.187	0	%100
2	M1	Z	-.323	-.323	0	%100
3	M2	X	-.187	-.187	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
4	M2	Z	-.323	-.323	0	%100
5	MP4A	X	-.249	-.249	0	%100
6	MP4A	Z	-.431	-.431	0	%100
7	MP3A	X	-.249	-.249	0	%100
8	MP3A	Z	-.431	-.431	0	%100
9	MP2A	X	-.249	-.249	0	%100
10	MP2A	Z	-.431	-.431	0	%100
11	MP1A	X	-.249	-.249	0	%100
12	MP1A	Z	-.431	-.431	0	%100
13	M15	X	-.052	-.052	0	%100
14	M15	Z	-.09	-.09	0	%100
15	M16	X	-.01	-.01	0	%100
16	M16	Z	-.018	-.018	0	%100
17	M17	X	-.01	-.01	0	%100
18	M17	Z	-.018	-.018	0	%100
19	M18	X	-.052	-.052	0	%100
20	M18	Z	-.09	-.09	0	%100
21	M26	X	-.013	-.013	0	%100
22	M26	Z	-.023	-.023	0	%100
23	M27	X	-.013	-.013	0	%100
24	M27	Z	-.023	-.023	0	%100
25	M28	X	-.013	-.013	0	%100
26	M28	Z	-.023	-.023	0	%100
27	M29	X	-.013	-.013	0	%100
28	M29	Z	-.023	-.023	0	%100
29	M30	X	-.079	-.079	0	%100
30	M30	Z	-.136	-.136	0	%100
31	M31	X	-.048	-.048	0	%100
32	M31	Z	-.083	-.083	0	%100
33	M32	X	-.079	-.079	0	%100
34	M32	Z	-.136	-.136	0	%100
35	M33	X	-.079	-.079	0	%100
36	M33	Z	-.136	-.136	0	%100
37	M34	X	-.078	-.078	0	%100
38	M34	Z	-.136	-.136	0	%100
39	M35	X	-.079	-.079	0	%100
40	M35	Z	-.136	-.136	0	%100
41	M115	X	-.214	-.214	0	%100
42	M115	Z	-.371	-.371	0	%100
43	OVP	X	-.042	-.042	0	%100
44	OVP	Z	-.073	-.073	0	%100
45	M117	X	-.042	-.042	0	%100
46	M117	Z	-.073	-.073	0	%100
47	M118	X	-.214	-.214	0	%100
48	M118	Z	-.371	-.371	0	%100
49	M127	X	-.055	-.055	0	%100
50	M127	Z	-.094	-.094	0	%100
51	M128	X	-.011	-.011	0	%100
52	M128	Z	-.019	-.019	0	%100
53	M129	X	-.011	-.011	0	%100
54	M129	Z	-.019	-.019	0	%100
55	M130	X	-.055	-.055	0	%100
56	M130	Z	-.094	-.094	0	%100
57	M40	X	-.04	-.04	0	%100
58	M40	Z	-.069	-.069	0	%100
59	M41	X	-.04	-.04	0	%100
60	M41	Z	-.069	-.069	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[in,%]	End Location[in,%]
61	M41A	X	-.1	-.1	0	%100
62	M41A	Z	-.174	-.174	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

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	N36	max	1465.924	10	988.561	23	1060.316	3	-.309	4	0	51	.11	47
2		min	-1465.863	4	355.992	4	-2629.902	9	-.861	23	0	1	-.16	49
3	N35	max	450.564	46	1274.645	22	1977.512	13	-.392	4	0	51	.13	47
4		min	-693.759	49	499.005	4	-.491	7	-.996	22	0	1	-.175	49
5	N67	max	305.593	4	175.391	4	1510.524	11	0	51	0	51	0	51
6		min	-315.227	10	-166.557	10	-1511.482	5	0	1	0	1	0	1
7	Totals:	max	1460.855	10	2228.374	17	1873.572	1						
8		min	-1460.855	4	1030.386	11	-1873.579	7						

Envelope AISC 14th(360-10): LRFD Steel Code Checks

	Member	Shape	Code Check	Loc[in]	LC	Shear ..	Loc[in]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M41A	PIPE_2.0	.346	0	8	.013	0		8	23554.8...	32130	1.872	1.872	1....	H1-1b
2	MP3A	PIPE_2.0	.307	36.25	5	.087	72.5		9	9836.597	32130	1.872	1.872	2....	H1-1b
3	M2	HSS2.375X...	.228	55.25	8	.061	32.5		1	7649.232	62550	3.6	3.6	4....	H1-1b
4	MP2A	PIPE_2.0	.222	36.25	11	.083	55		11	9836.597	32130	1.872	1.872	2....	H1-1b
5	M41	RE5.625X0...	.205	6	24	.033	6	y	24	114483....	158203....	2.06	18.539	1....	H1-1b
6	M130	RE3.6875X...	.198	0	14	.153	1.069	y	23	82636.4...	82968.75	.864	6.374	1....	H1-1b
7	M129	RE3.6875X...	.198	0	48	.145	1.069	y	41	82636.4...	82968.75	.864	6.374	1....	H1-1b
8	M40	RE5.625X0...	.195	6	21	.060	0	y	22	114483....	158203....	2.06	18.539	1....	H1-1b
9	MP4A	PIPE_2.0	.176	71.25	49	.040	36.25		5	9836.597	32130	1.872	1.872	3....	H1-1b
10	M1	HSS2.375X...	.160	53.6...	28	.053	123.5		41	7649.232	62550	3.6	3.6	3....	H1-1b
11	M30	BAR0.75	.144	36	47	.008	0		49	5525.273	19880.3...	.249	.249	2....	H1-1b*
12	M33	BAR0.75	.141	36	18	.008	0		11	5525.273	19880.3...	.249	.249	2....	H1-1b*
13	M35	BAR0.75	.138	36	24	.017	0		10	5525.273	19880.3...	.249	.249	1....	H1-1b*
14	M32	BAR0.75	.129	36	23	.013	0		4	5525.273	19880.3...	.249	.249	1....	H1-1b*
15	M115	HSS2.375X...	.118	38.0...	9	.093	39.8...		22	50319.5	62550	3.6	3.6	1....	H1-1b
16	M15	RE3.6875X...	.116	2	23	.148	0	y	33	81812.13	82968.75	.864	6.374	1....	H1-1b
17	MP1A	PIPE_2.0	.111	36.25	9	.040	35		10	9836.597	32130	1.872	1.872	2....	H1-1b
18	M127	RE3.6875X...	.108	0	9	.147	0	y	23	82636.4...	82968.75	.864	6.374	1....	H1-1b
19	OVP	HSS2.375X...	.104	38.0...	45	.094	39.8...		46	50319.5	62550	3.6	3.6	1....	H1-1b
20	M18	RE3.6875X...	.102	2	30	.152	2	y	36	81812.13	82968.75	.864	6.374	1....	H1-1b
21	M17	RE3.6875X...	.102	2	45	.151	2	y	38	81812.13	82968.75	.864	6.374	1....	H1-1b
22	M117	HSS2.375X...	.101	3.062	47	.091	2.625		47	50319.5	62550	3.6	3.6	2....	H1-1b
23	M118	HSS2.375X...	.100	3.063	30	.092	2.625		23	50319.5	62550	3.6	3.6	2....	H1-1b
24	M34	BAR0.75	.098	50.21	16	.007	0		7	2840.442	19880.3...	.249	.249	2....	H1-1b
25	M31	BAR0.75	.097	50.21	22	.005	50.21		8	2840.442	19880.3...	.249	.249	2....	H1-1b
26	M16	RE3.6875X...	.093	2	47	.149	2	y	43	81812.13	82968.75	.864	6.374	1....	H1-1b
27	M128	RE3.6875X...	.085	0	43	.143	1.069	y	42	82636.4...	82968.75	.864	6.374	1....	H1-1b
28	M27	RE6X0.5	.080	0	24	.078	2	y	24	96222.4...	97200	1.012	12.15	1....	H1-1b
29	M28	RE6X0.5	.079	0	38	.073	0	y	37	96222.4...	97200	1.012	12.15	1....	H1-1b
30	M29	RE6X0.5	.078	0	43	.073	2	y	44	96222.4...	97200	1.012	12.15	1....	H1-1b
31	M26	RE6X0.5	.077	0	33	.091	0	y	9	96222.4...	97200	1.012	12.15	1....	H1-1b

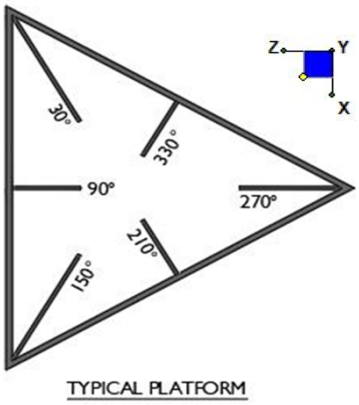
Client:	Verizon Wireless	Date:	6/24/2021
Site Name:	HAMPTON CT		
Project No.	21777634A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

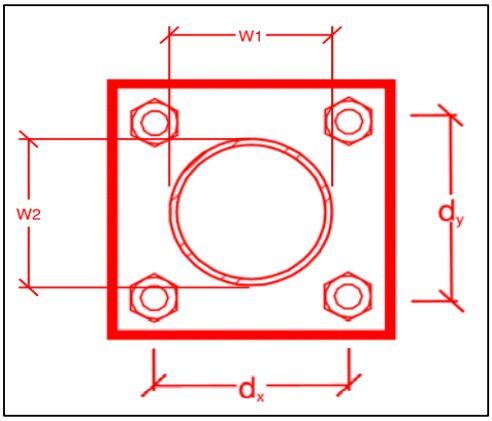
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N36	90
N35	90



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6.75
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	2
Bolt Type:	A307
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	13.8
Required Shear Strength (kips):	1.8
Tensile Strength / bolt (kips):	10.0
Shear Strength / bolt (kips):	6.0
Tensile Capacity Overall:	**34.5%***
Shear Capacity Overall:	**7.3%**



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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – New Mount Passing MA

Purpose – to provide TES 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, this includes safety issues.

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Mount Analysis. NOTE If loading is different than what is conveyed in the modification drawing contact TES immediately.
- Verification that the New Mount Installed is as specified in the MA
- 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 new mount;
- *Photos taken at Mount Elevation*
  - Photos showing each individual sector before and also after installation of equipment.
    - 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
  - Photos showing the newly installed mount that is as specified in the Mount Analysis
  - 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.
- Photos showing the climbing facility and safety climb if present.

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 _____

New Mount Certification:

- The contractor must certify that the New Mount installed is as specified

☐ The contractor certifies that the New Mount installed is as specified in the Passing Mount Analysis

☐ The contractor notes that the New Mount installed is not as specified and engineering approval was received for the New Mount Installed

☐ The contractor did not install the New Mount specified in the Passing Mount Analysis

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

- Contractor to install proposed OVP box to the right pipe standoff horizontal (facing mount) in Alpha sector and attach 15” from mount face horizontal. - Contractor shall install (4) 120” long P2.0 STD mount pipes for each sector. All pipes are equally spaced with top of pipe 36” from the upper face horizontal. - Contractor shall install proposed tieback on upper face horizontal member on the left side (facing mount) on all sectors. Front tieback connection shall be attached at the attachment point of the standoff horizontal to the face horizontal, rear tieback connection shall be attached to the adjacent tower leg.

Response:

Schedule A – Photo & Document File Structure

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

Structure: 468242-VZW - NE HAMPTON

Sector: **A**

Structure Type: Guyed

Mount Elev: 139.50

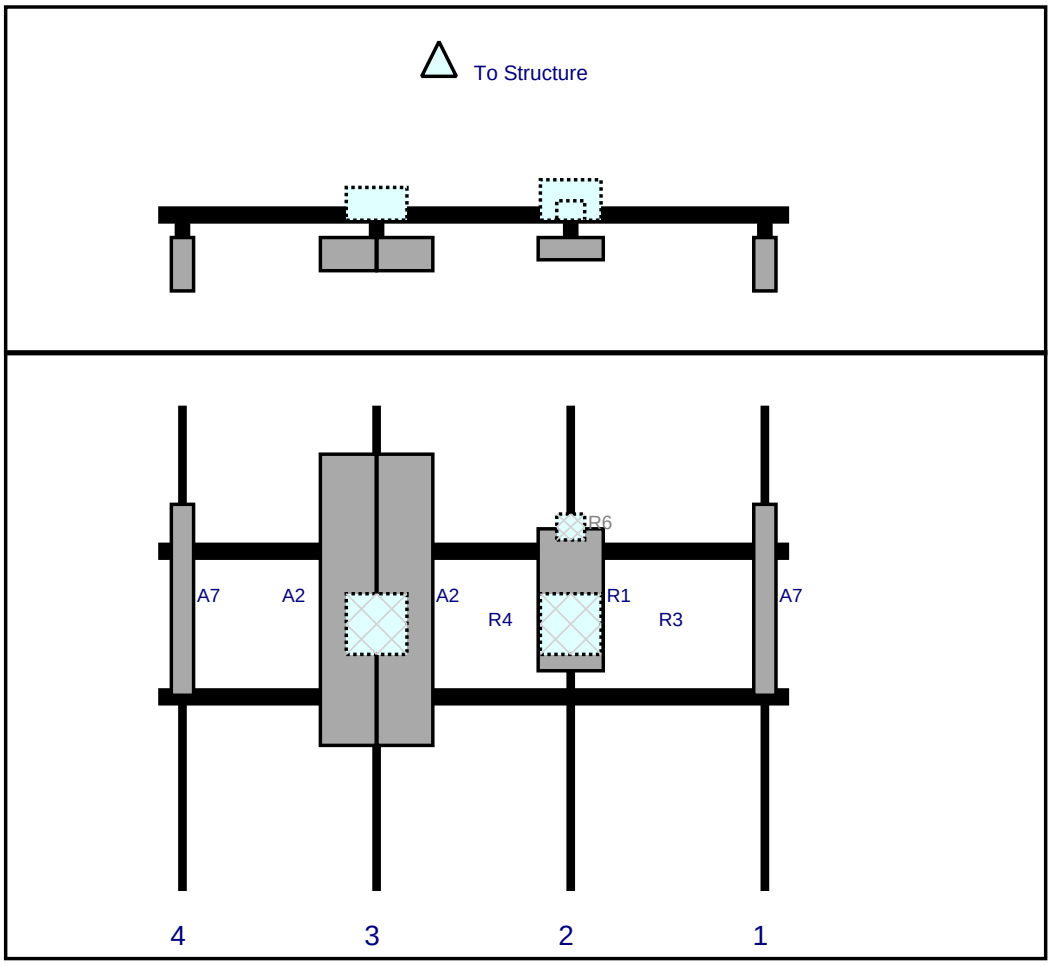
10078192

6/24/2021

MASER CONSULTING — CONNECTICUT —

Plan View

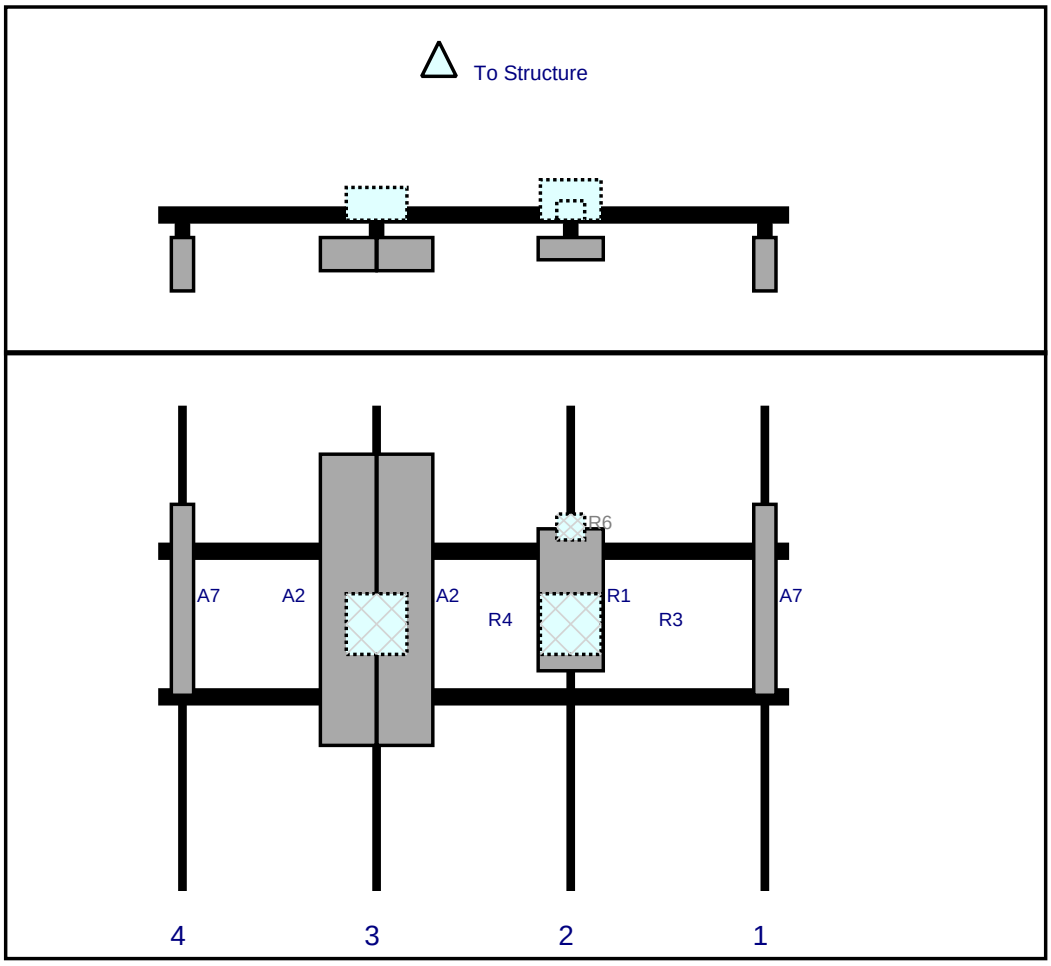
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A7	LPA-80080-4CF	47.2	5.5	150	1	a	Front	48	0	Retained	04/27/2021
R1	MT6407-77A	35.1	16.1	102	2	a	Front	48	0	Added	
R3	B2/B66A RRH-BR049	15	15	102	2	a	Behind	54	0	Added	
R6	CBC78T-DS-43-2X	6.4	6.9	102	2	a	Behind	30	0	Added	
A2	JAHH-65B-R3B	72	13.8	54	3	a	Front	48	7	Added	
A2	JAHH-65B-R3B	72	13.8	54	3	b	Front	48	-7	Added	
R4	B5/B13 RRH-BR04C	15	15	54	3	a	Behind	54	0	Added	
A7	LPA-80080-4CF	47.2	5.5	6	4	a	Front	48	0	Retained	04/27/2021

Plan View

Front View
Looking at Structure



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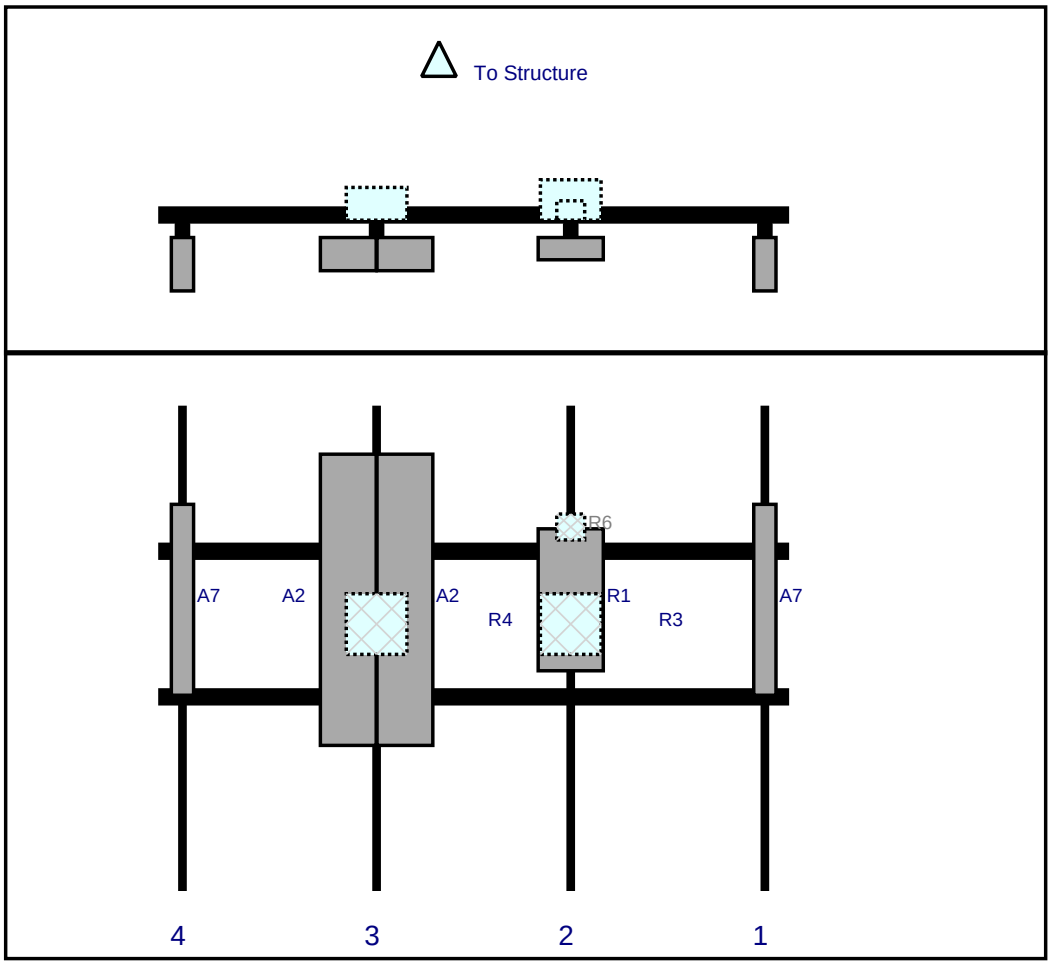
Plan View

Front View
Looking at Structure



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R4	B5/B13 RRH-BR04C	15	15	54	3	a	Behind	54	0	Added	
A7	LPA-80080-4CF	47.2	5.5	6	4	a	Front	48	0	Retained	04/27/2021

Maser Consulting Connecticut

Subject	TIA-222-H Adoption and Wind Speed Usage	
Site Information	Site ID:	*468242-VZW / HAMPTON CT*
	Site Name:	*HAMPTON CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*185 Fiske Rd* *Hampton, Connecticut 6427* *Windham County*
	Latitude:	*41.769956°*
	Longitude:	*-72.070664°*
Structure Information	Tower Type:	*Guyed*
	Mount Type:	*13.17-Ft Sector Frame*

To Whom It May Concern,

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

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

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

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

Sincerely,

Justin Linette, PE
Sr. Technical Manager

Site Name: ***HAMPTON CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	628	2511	140	0.0046	0.5007	0.92%
VZW CDMA	877.26	2	363	726	140	0.0013	0.5848	0.23%
VZW Cellular	874	4	725	2902	140	0.0053	0.5827	0.91%
VZW PCS	1977.5	4	1406	5625	140	0.0103	1.0000	1.03%
VZW AWS	2120	4	1414	5658	140	0.0104	1.0000	1.04%
VZW CBAND	3730.08	4	6531	26125	140	0.0479	1.0000	4.79%
Total Percentage of Maximum Permissible Exposure								8.93%

*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.

Neccog GIS Site

Legend

- Town
- Buildings 2012
- Parcels

Notes

Enter Map Description

0.3 0 0.14 0.3 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Property Location: 185 WEST FISK RD #CELL **MAP ID:** 2-9/ 25/ 28/ CELL/ **Bldg Name:** **State Use:** 200

Vision ID: 1222 **Account #** 00033701 **Bldg #:** 1 of 1 **Sec #:** 1 of 1 **Card** 1 **of** 1 **Print Date:** 04/16/2021 17:53

CURRENT OWNER	TOPO.	UTILITIES	STRT./ROAD	LOCATION
AMERICAN TOWER CORP				
P.O. BOX 723597				
ATLANTA, GA 31139				
Additional Owners:				

SUPPLEMENTAL DATA

Other ID:	00033701
Census Tr.	
Survey #	
490 PENALTY	
DEV RIGHTS	
DV Map #	
GIS ID:	
DV Lot #	
EASEMENTS	
ASSOC PID#	

CURRENT ASSESSMENT

Description	Code	Appraised Value	Assessed Value
COM OUTBL	2-5	171,900	120,330
VAC CM LN	5-2	648,000	453,600
	Total	819,900	573,930

6063
HAMPTON, CT

VISION

RECORD OF OWNERSHIP

RECORD OF OWNERSHIP	BK-VOL/PAGE	SALE DATE	q/u	v/i	SALE PRICE	V.C.
AMERICAN TOWER CORP	000/ 000	10/01/2008	U	V	0	

PREVIOUS ASSESSMENTS (HISTORY)

Yr.	Code	Assessed Value	Yr.	Code	Assessed Value	Yr.	Code	Assessed Value
2020	2-5	120,330	2019	2-5	120,330	2018	2-5	120,330
2020	5-2	453,600	2019	5-2	453,600	2018	5-2	453,600
	Total:	573,930		Total:	573,930		Total:	573,930

EXEMPTIONS

Year	Type	Description	Amount
		Total:	

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm. Int.

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

NBHD/ SUB	NBHD Name	Street Index Name	Tracing	Batch
0001/A				

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	0
Appraised XF (B) Value (Bldg)	0
Appraised OB (L) Value (Bldg)	171,900
Appraised Land Value (Bldg)	648,000
Special Land Value	0
Total Appraised Parcel Value	819,900
Valuation Method:	C
Adjustment:	0
Net Total Appraised Parcel Value	**819,900**

NOTES

PARCEL CREATED FOR 08' REVALUATION

4 SITES@1500/MONTH

4 X 1500=6000 X 12=72000

72000-7200(10%EXP)=64,800

64,800/.1 CAP=$648,000

BUILDING PERMIT RECORD

Permit ID	Issue Date	Type	Description	Amount	Insp. Date	% Comp.	Date Comp.	Comments
5553	01/18/2020	OT	TELECOM	20,000		1		6 PANEL ANTENNAS F
3528	09/13/2012	OT	Other	15,000	05/22/2013	100	10/01/2012	REPLACE 12 ANTENN

VISIT/ CHANGE HISTORY

Date	Type	IS	ID	Cd.	Purpose/Result
06/26/2018			JW	09	Review
05/22/2013			JW	09	Review

LAND LINE VALUATION SECTION

B #	Use Code	Use Description	Zone	D	Front	Depth	Units		Unit Price	I. Factor	S.A.	Acre Disc	C. Factor	ST. Idx	Adj.	Notes- Adj	Special Pricing: Spec Use	Special Pricing: Spec Calc	S Adj Fact	Adj. Unit Price	Land Value
1	200	Commercial Vacant					1	SF	648,000.00	1.0000	0	1.0000	1.00		0.00	4 CELL SITES			1.00		648,000

Total Card Land Units: 0.00 AC **Parcel Total Land Area:** 0 AC **Total Land Value:** 648,000

Property Location: 185 WEST FISK RD #CELL **MAP ID:** 2-9/ 25/ 28/ CELL/ **Bldg Name:** **State Use:** 200

Vision ID: 1222 **Account #** 00033701 **Bldg #:** 1 of 1 **Sec #:** 1 of 1 **Card** 1 of 1 **Print Date:** 04/16/2021 17:53

CONSTRUCTION DETAIL

Element	Cd.	Ch.	Description
Model	90		Commercial Vac

CONSTRUCTION DETAIL (CONTINUED)

Element	Cd.	Ch.	Description

MIXED USE

Code	Description	Percentage
200	Commercial Vacant	100

COST/MARKET VALUATION

Adj. Base Rate:	0.00
Replace Cost	0
AYB	
Dep Code	
Remodel Rating	
Year Remodeled	
Dep %	
Functional Obslnc	
External Obslnc	
Cost Trend Factor	1
Condition	
% Complete	
Overall % Cond	
Apprais Val	
Dep % Ovr	0
Dep Ovr Comment	
Misc Imp Ovr	0
Misc Imp Ovr Comment	
Cost to Cure Ovr	0
Cost to Cure Ovr Comment	

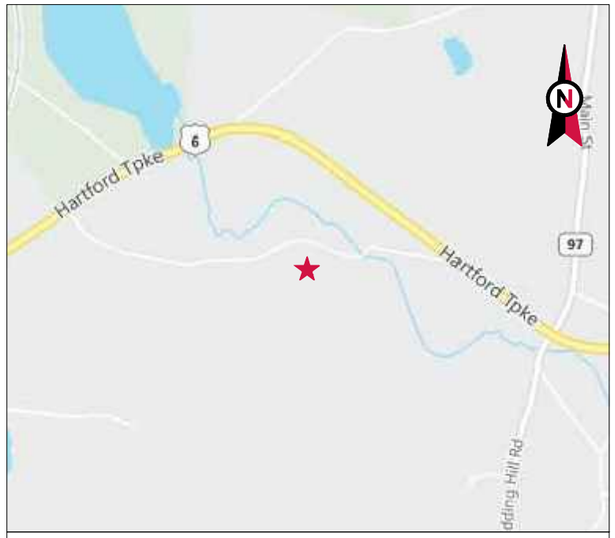
OB-OUTBUILDING & YARD ITEMS(L) / XF-BUILDING EXTRA FEATURES(B)

Code	Description	Sub	Sub Descript	L/B	Units	Unit Price	Yr	Gde	Dp Rt	Cnd	%Cnd	Apr Value
SHD4	Cell Equip	FR	Frame	L	200	350.00	2008		0		75	52,500
SHD4	Cell Equip	FR	Frame	L	200	350.00	2008		0		75	52,500
SHD4	Cell Equip	FR	Frame	L	240	350.00	2008		0		75	63,000
FN6	Fence 6'			L	400	13.00	2008		0		75	3,900

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Gross Area	Eff. Area	Unit Cost	Undeprec. Value
	Ttl. Gross Liv/Lease Area:	0	0	0		

No Photo On Record



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: HAMPTON CT
ATC SITE NUMBER: 10029
VERIZON SITE NAME: HAMPTON CT
VERIZON SITE NUMBER: 468242
SITE ADDRESS: 185 FISK ROAD
HAMPTON, CT 06247-1305

LOCATION MAP

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

COMPLIANCE CODE

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

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

UTILITY COMPANIES

POWER COMPANY: N/A
PHONE: N/A

TELEPHONE COMPANY: N/A
PHONE: N/A

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

PROJECT SUMMARY

SITE ADDRESS:

185 FISK ROAD

HAMPTON, CT 06247-1305

COUNTY: WINDHAM

GEOGRAPHIC COORDINATES:

LATITUDE: 41.76994

LONGITUDE: -72.07064

GROUND ELEVATION: 620' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS
118 FLANDERS ROAD
WESTBOROUGH, MA 01581

ENGINEER:

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

PROPERTY OWNER:

AMERICAN TOWER CORP.
P.O. BOX 723597
ATLANTA, GA 31139

PROJECT DESCRIPTION

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

TOWER WORK:

REMOVE (3) SECTOR FRAME(s), (6) ANTENNA(s), (6) DIPLEXER(s) AND (2) 1-5/8" COAX CABLE(s)

INSTALL (3) SECTOR FRAME(s), (9) ANTENNA(s), (9) RRH(s), (3) DIPLEXER(s), (1) OVP(s) AND (2) 1-5/8" 6X12 LI HYBRID CABLE(s)

EXISTING (6) ANTENNA(s), (1) GPS ANTENNA AND (10) 1-5/8" COAX CABLE(s) TO REMAIN

GROUND WORK:

REMOVE (3) RRH(s) AND (3) DIPLEXER(s)

THE PROPOSED PROJECT DOES NOT INCLUDE ELECTRICAL SCOPE

PROJECT NOTES

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

PROJECT LOCATION DIRECTIONS

395 SOUTH TO RTE 6 WEST. FOLLOW TO FISK RD. ON LEFT.
TOWER IS 1 MILE DOWN ON LEFT.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	07/21/21	BR
G-002	GENERAL NOTES	0	07/21/21	BR
C-101	DETAILED SITE PLAN	0	07/21/21	BR
C-201	TOWER ELEVATION	0	07/21/21	BR
C-401	ANTENNA INFORMATION & SCHEDULE	0	07/21/21	BR
C-501	CONSTRUCTION DETAILS	0	07/21/21	BR
E-501	GROUNDING DETAILS	0	07/21/21	BR
R-601	SUPPLEMENTAL			
R-602	SUPPLEMENTAL			
R-603	SUPPLEMENTAL			

AMERICAN TOWER®

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Dewberry Engineers Inc.
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SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	XH	05/24/21
0	FINAL	BR	07/21/21

ATC SITE NUMBER:
10029

ATC SITE NAME:
HAMPTON CT

VERIZON SITE NAME:
HAMPTON CT

SITE ADDRESS:
185 FISK ROAD
HAMPTON, CT 06247-1305

SEAL:

verizon

DATE DRAWN:	05/24/21
ATC JOB NO:	13668799_D1
CUSTOMER ID:	HAMPTON CT
CUSTOMER #:	468242

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	0

GENERAL CONSTRUCTION NOTES:

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

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:

A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY VERIZON UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OD COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL AND

B. INSTALL ANTENNA AS INDICATE ON DRAWINGS AND VERIZON SPECIFICATIONS.

C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS

D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.

E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.

F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.

G. ANTENNA AND COAXIAL CABLE GROUNDING:

2. ALL EXTERIOR #6 GREED GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.

3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)

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

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	XH	05/24/21
0	FINAL	BR	07/21/21

ATC SITE NUMBER:
10029

ATC SITE NAME:
HAMPTON CT

VERIZON SITE NAME:
HAMPTON CT

SITE ADDRESS:
185 FISK ROAD
HAMPTON, CT 06247-1305

SEAL:

verizon

DATE DRAWN:	05/24/21
ATC JOB NO:	13668799_D1
CUSTOMER ID:	HAMPTON CT
CUSTOMER #:	468242

GENERAL NOTES

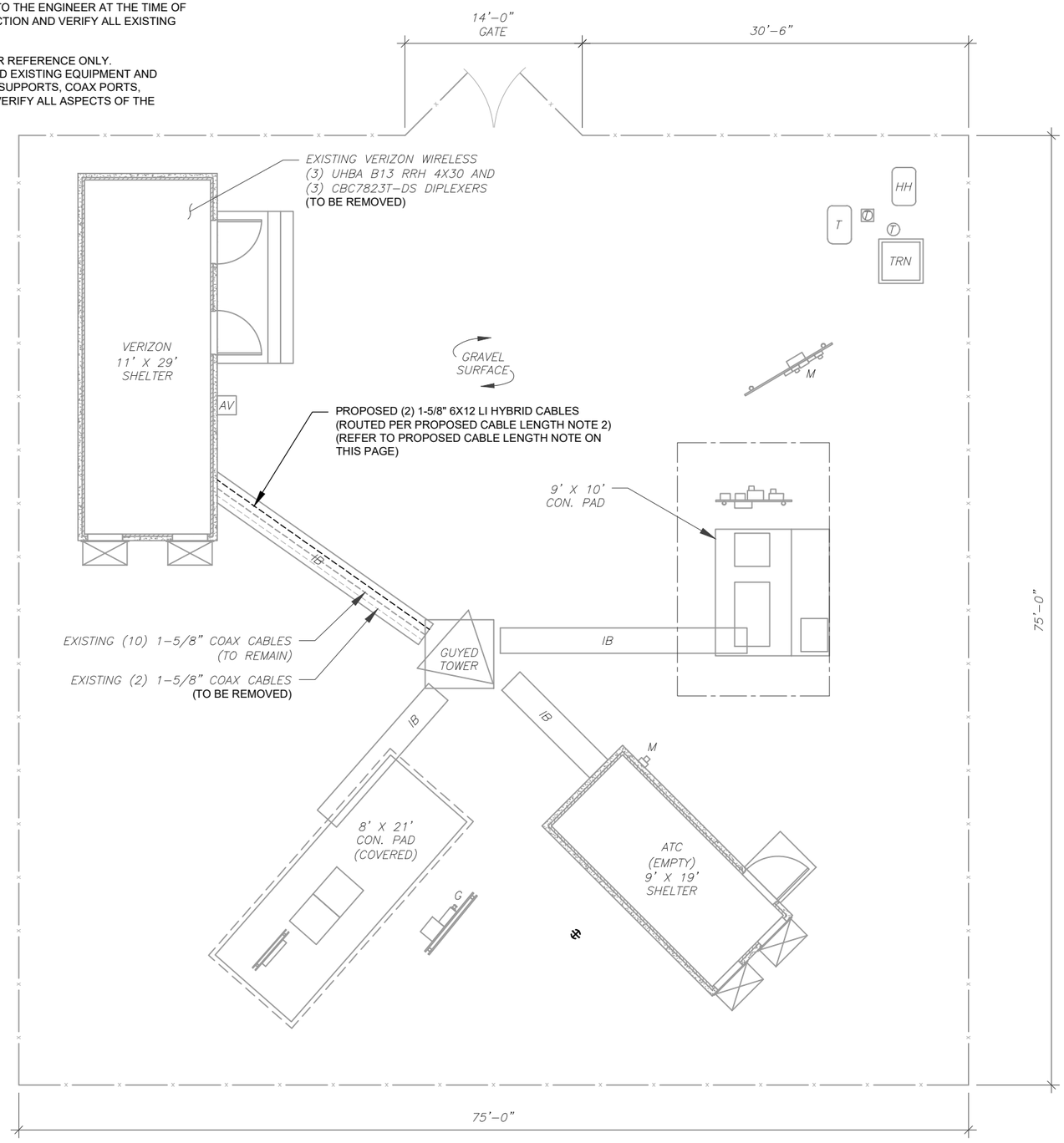
SHEET NUMBER:	REVISION:
G-002	0

SITE PLAN NOTES:

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

LEGEND

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



1 DETAILED SITE PLAN

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 UNIT = 10 FEET

PROPOSED CABLE LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **185'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	XH	05/24/21
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ATC SITE NUMBER:
10029

ATC SITE NAME:
HAMPTON CT

VERIZON SITE NAME:
HAMPTON CT

SITE ADDRESS:
185 FISK ROAD
HAMPTON, CT 06247-1305

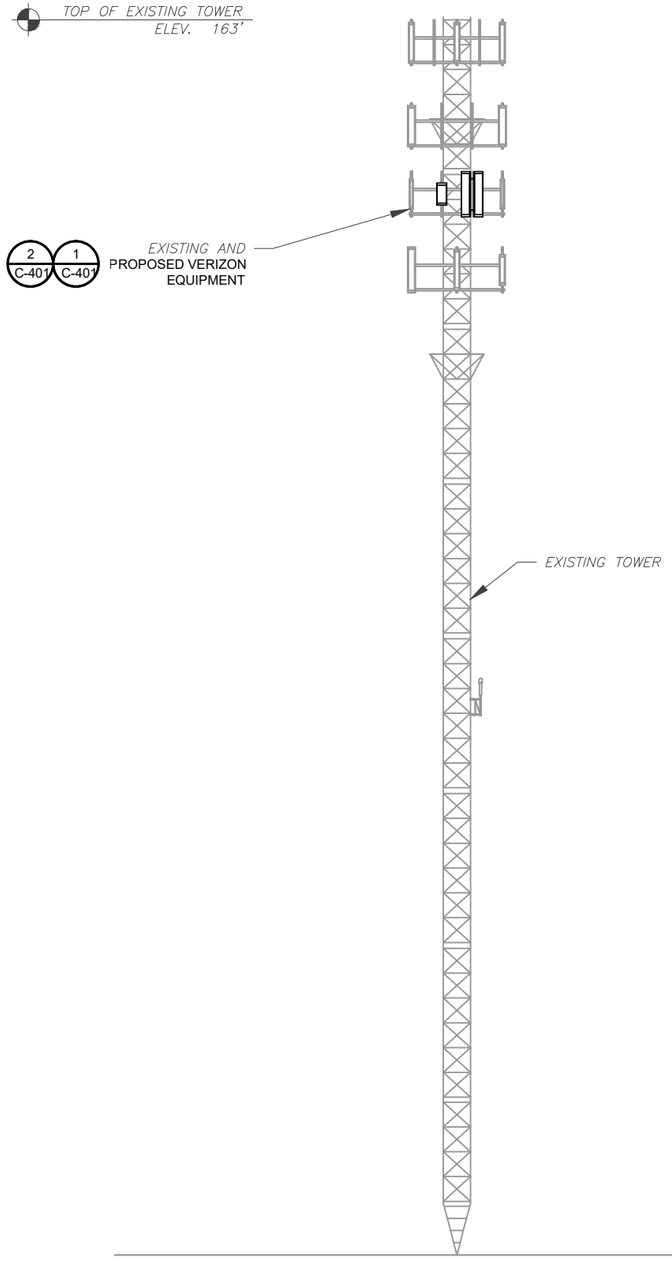
SEAL:

verizon

DATE DRAWN:	05/24/21
ATC JOB NO:	13668799_D1
CUSTOMER ID:	HAMPTON CT
CUSTOMER #:	468242

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0



EXISTING CARRIER ANTENNAS
RAD CENTER @ 160'

EXISTING CARRIER ANTENNAS
RAD CENTER @ 149'

EXISTING AND PROPOSED
VERIZON
RAD CENTER @ 140'

EXISTING CARRIER ANTENNAS
RAD CENTER @ 130'

EXISTING VERIZON GPS ANTENNA
RAD CENTER @ 75'

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING, DATED 06/24/2021, THE EXISTING MOUNT CAN NOT ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT REPLACEMENT PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

TOWER NOTE:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
3. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).
4. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)

1 TOWER ELEVATION
SCALE: N.T.S.

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	XH	05/24/21
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ATC SITE NUMBER:
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ATC SITE NAME:
HAMPTON CT

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SITE ADDRESS:
185 FISK ROAD
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verizon

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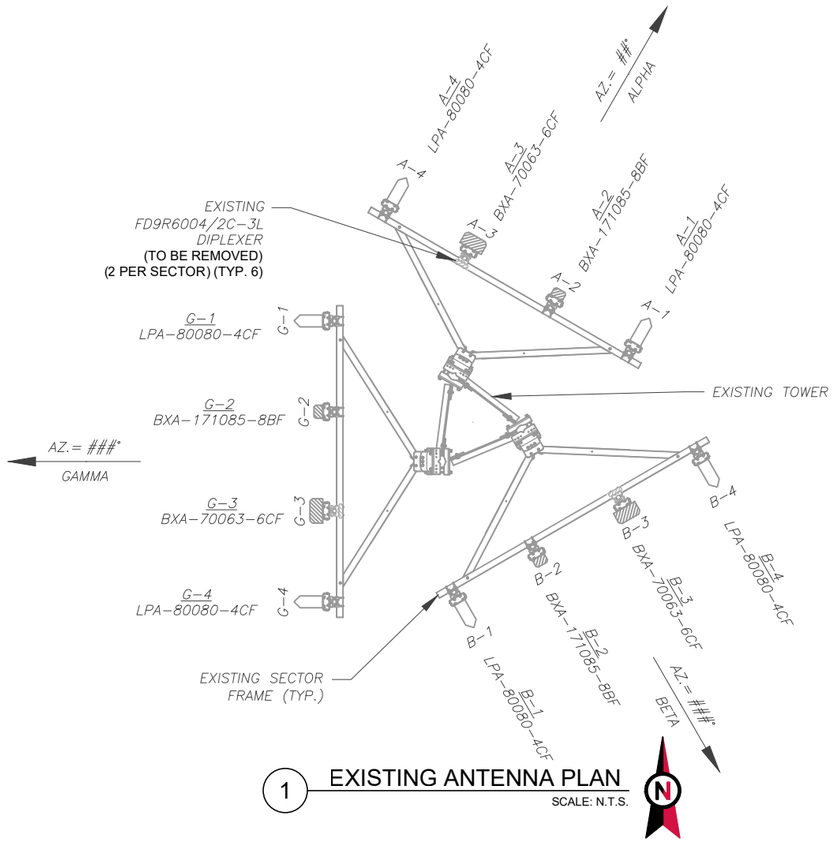
ATC JOB NO:	13668799_D1
CUSTOMER ID:	HAMPTON CT
CUSTOMER #:	468242

TOWER ELEVATION

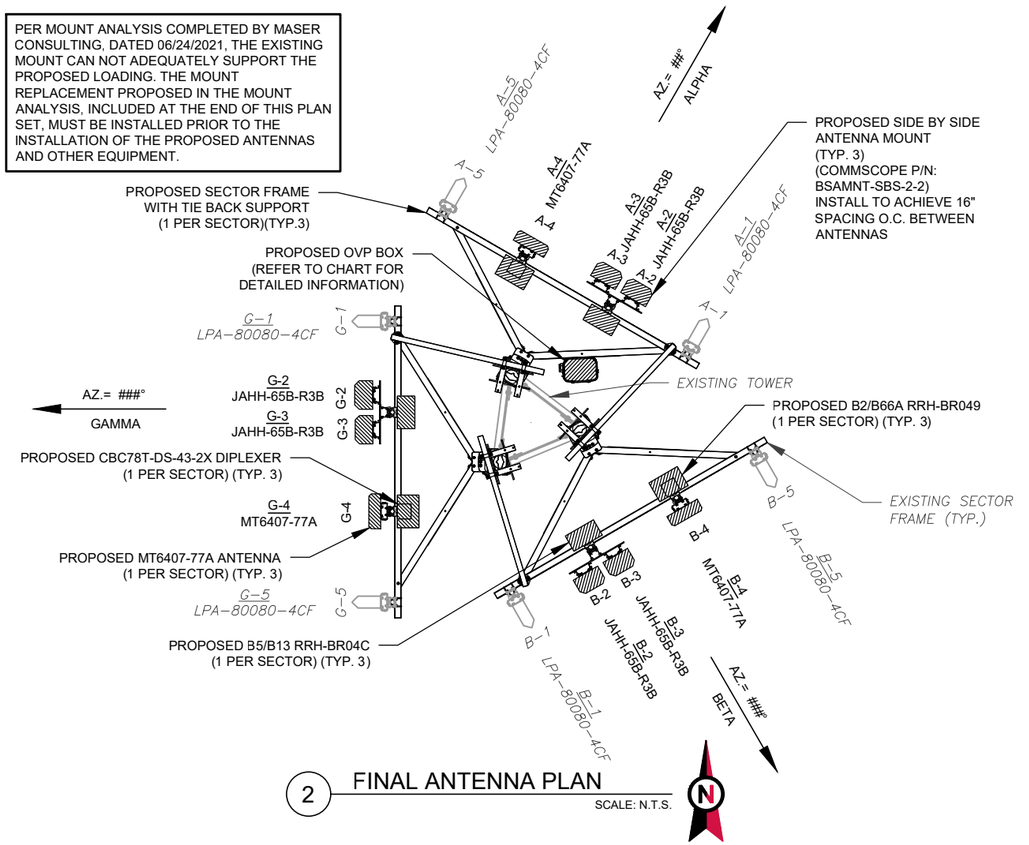
SHEET NUMBER:	REVISION:
C-201	0



1 EXISTING ANTENNA PLAN

SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING, DATED 06/24/2021, THE EXISTING MOUNT CAN NOT ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT REPLACEMENT PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



2 FINAL ANTENNA PLAN

SCALE: N.T.S.

EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	140'	30°	A1	LPA-80080-4CF	850 CDMA	0/0	RMN	–	–
			A2	BXA-171085-8BF	–	–	RMV	–	–
			A3	BXA-70063-6CF	700	0/2	RMV	(2) FD9R6004/2C-3L	RMV
			A4	LPA-80080-4CF	850 CDMA	0/0	RMN	–	–
BETA	140'	150°	B1	LPA-80080-4CF	850 CDMA	0/0	RMN	–	–
			B2	BXA-171085-8BF	–	–	RMV	–	–
			B3	BXA-70063-6CF	700	0/2	RMV	(2) FD9R6004/2C-3L	RMV
			B4	LPA-80080-4CF	850 CDMA	0/0	RMN	–	–
GAMMA	140'	270°	C1	LPA-80080-4CF	850 CDMA	0/0	RMN	–	–
			C2	BXA-171085-8BF	–	–	RMV	–	–
			C3	BXA-70063-6CF	700	0/2	RMV	(2) FD9R6004/2C-3L	RMV
			C4	LPA-80080-4CF	850 CDMA	0/0	RMN	–	–
–	75'	360°	–	KS-24019	–	–	RMN	–	–

NOTES

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

STATUS ABBREVIATIONS

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

CABLE LENGTHS FOR JUMPERS

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

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	140'	30°	A1	LPA-80080-4CF	850 CDMA	0/0	*RMN*	-	-
			A2	JAHH-65B-R3B	700/850/1900/AWS	0/2,2,0,0	ADD	B5/B13 RRH-BR04C	ADD
			A3	JAHH-65B-R3B	700/850/1900/AWS	0/2,2,0,0	ADD	B2/B66A RRH-BR049	ADD
			A4	MT6407-77A	L-SUB6	0/6	ADD	CBC78T-DS-43-2X	ADD
			A5	LPA-80080-4CF	850 CDMA	0/0	*RMN*	-	ADD
BETA	140'	150°	B1	LPA-80080-4CF	850 CDMA	0/0	*RMN*	-	-
			B2	JAHH-65B-R3B	700/850/1900/AWS	0/2,2,0,0	ADD	B5/B13 RRH-BR04C	ADD
			B3	JAHH-65B-R3B	700/850/1900/AWS	0/2,2,0,0	ADD	B2/B66A RRH-BR049	ADD
			B4	MT6407-77A	L-SUB6	0/6	ADD	CBC78T-DS-43-2X	ADD
			B5	LPA-80080-4CF	850 CDMA	0/0	*RMN*	-	ADD
GAMMA	140'	270°	G1	LPA-80080-4CF	850 CDMA	0/0	*RMN*	-	-
			G2	JAHH-65B-R3B	700/850/1900/AWS	0/2,2,0,0	ADD	B5/B13 RRH-BR04C	ADD
			G3	JAHH-65B-R3B	700/850/1900/AWS	0/2,2,0,0	ADD	B2/B66A RRH-BR049	ADD
			G4	MT6407-77A	L-SUB6	0/6	ADD	CBC78T-DS-43-2X	ADD
			G5	LPA-80080-4CF	850 CDMA	0/0	*RMN*	-	ADD
-	75'	360°	-	KS-24019	-	-	*RMN*	-	-

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
–	–	(10) 1-5/8"	–	*RMN*
–	–	(2) 1-5/8"	–	RMV

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(1) RCMDC-6627-PF-48	ADD	-	(2) 1-5/8" 6X12 LI	ADD
-	-	(10) 1-5/8"	-	*RMN*

3 EQUIPMENT SCHEDULES

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99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	XH	05/24/21
0	FINAL	BR	07/21/21

ATC SITE NUMBER:
10029

ATC SITE NAME:
HAMPTON CT

VERIZON SITE NAME:
HAMPTON CT

SITE ADDRESS:
185 FISK ROAD
HAMPTON, CT 06247-1305

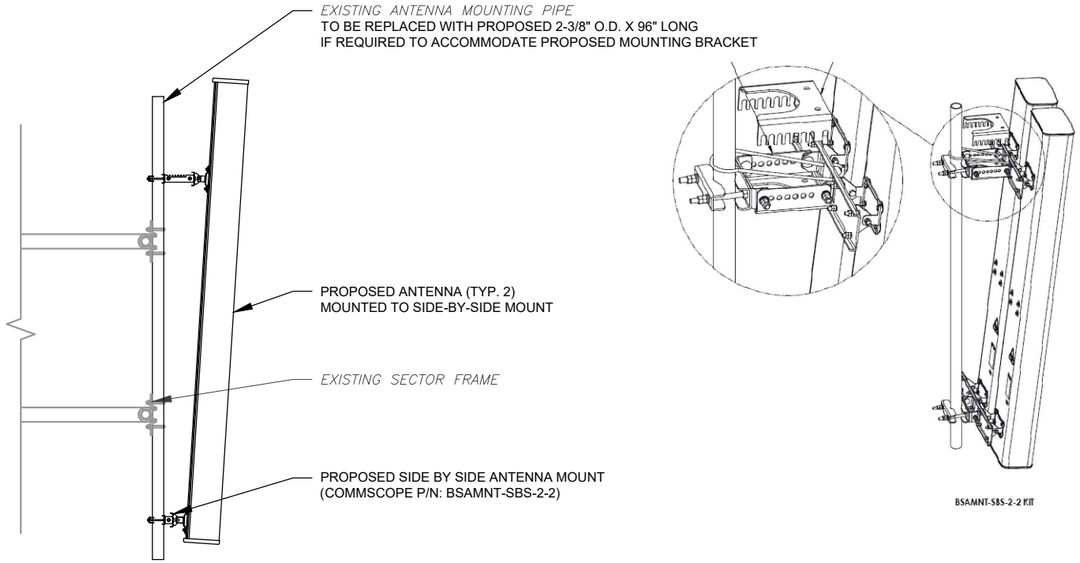
SEAL:

verizon

DATE DRAWN:	05/24/21
ATC JOB NO:	13668799_D1
CUSTOMER ID:	HAMPTON CT
CUSTOMER #:	468242

ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:	REVISION:
C-401	0

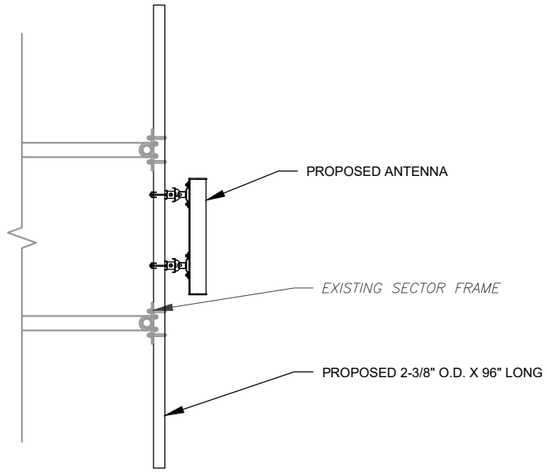


PROFILE VIEW

ISOMETRIC VIEW (BY MANUFACTURER)

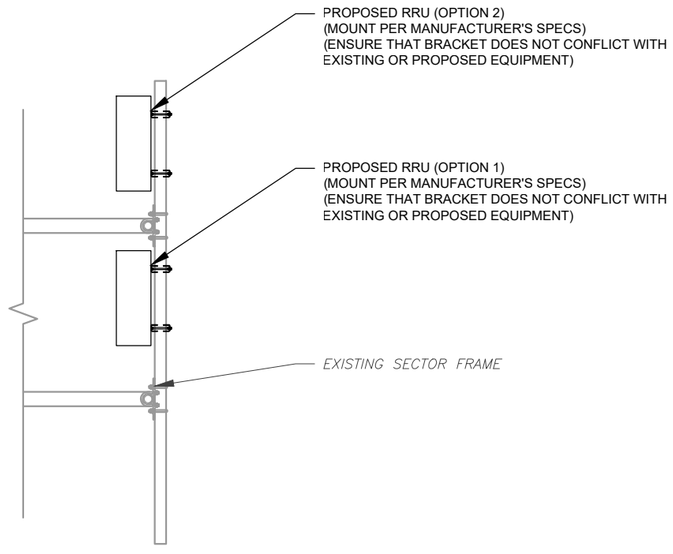
1 PROPOSED SIDE-BY-SIDE MOUNT

SCALE: NOT TO SCALE



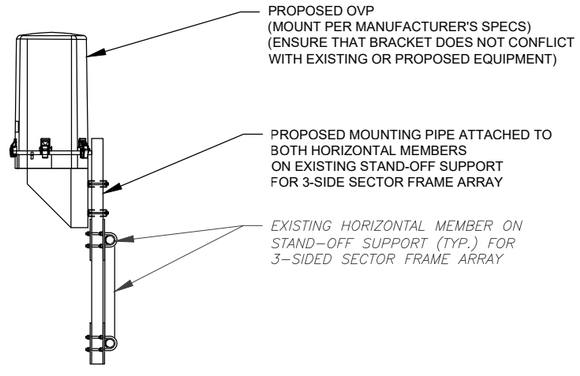
2 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



4 PROPOSED OVP MOUNTING

SCALE: N.T.S.

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HAMPTON, CT 06247-1305

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verizon

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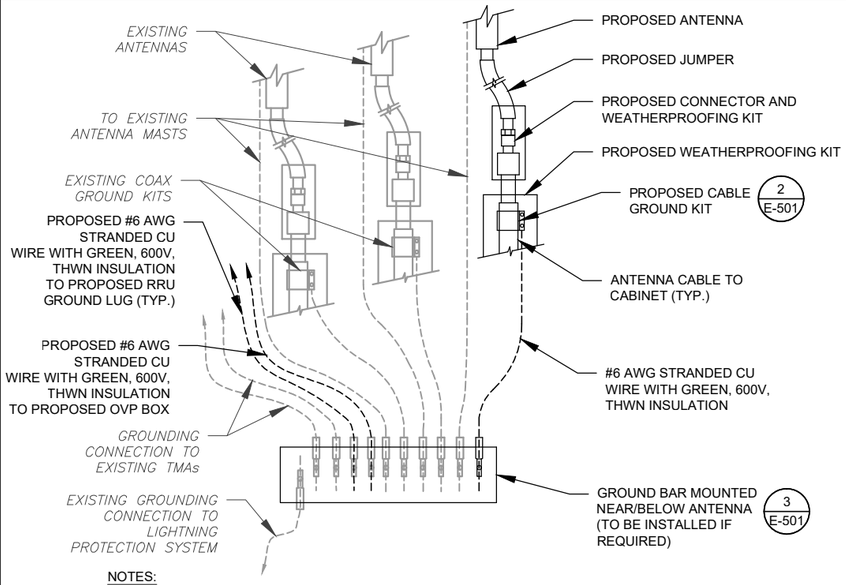
CUSTOMER ID:	HAMPTON CT
CUSTOMER #:	468242

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

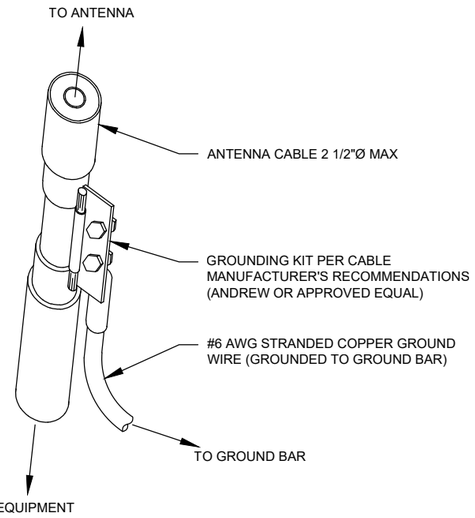


NOTES:

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

1 TYPICAL ANTENNA GROUNDING DIAGRAM

SCALE: N.T.S.

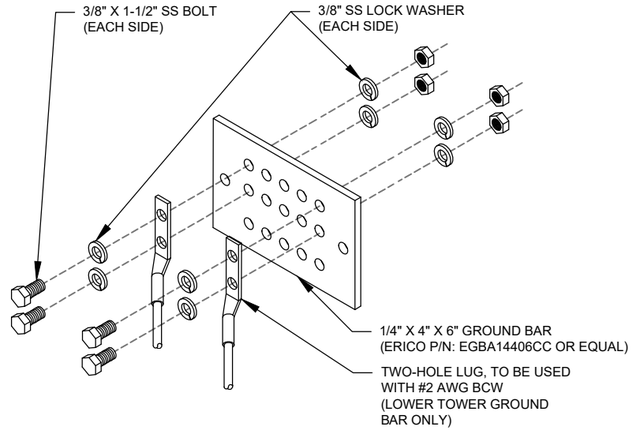


GROUND KIT NOTES:

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

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.



GROUND BAR NOTES:

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

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	XH	05/24/21
0	FINAL	BR	07/21/21

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verizon

DATE DRAWN:	05/24/21
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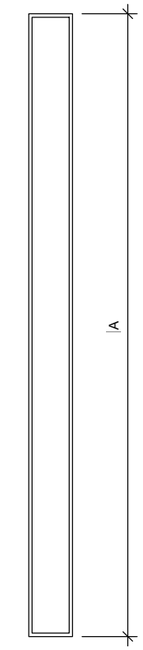
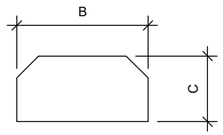
CUSTOMER ID:	HAMPTON CT
CUSTOMER #:	468242

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0



FRONT VIEW

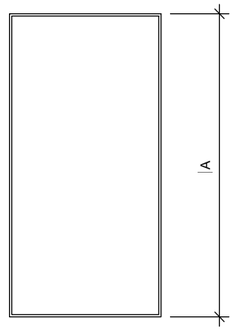


TOP VIEW

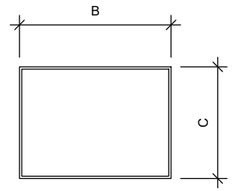
1 ANTENNA SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
JAHH-65B-R3B	72.0"	13.8"	8.2"	60.6
MT6407-77A	35.1"	16.1"	5.5"	81.6



FRONT VIEW



TOP VIEW

2 RRU AND DIPLEXER SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
B2/B66A RRH-BR049	15.0"	15.0"	10.0"	84.4
B5/B13 RRH-BR04C	15.0"	15.0"	8.1"	70.3
MT6407-77A	35.1"	16.1"	5.5"	81.6
CBC78T-DS-43-2X	9.6"	6.9"	6.4"	20.7

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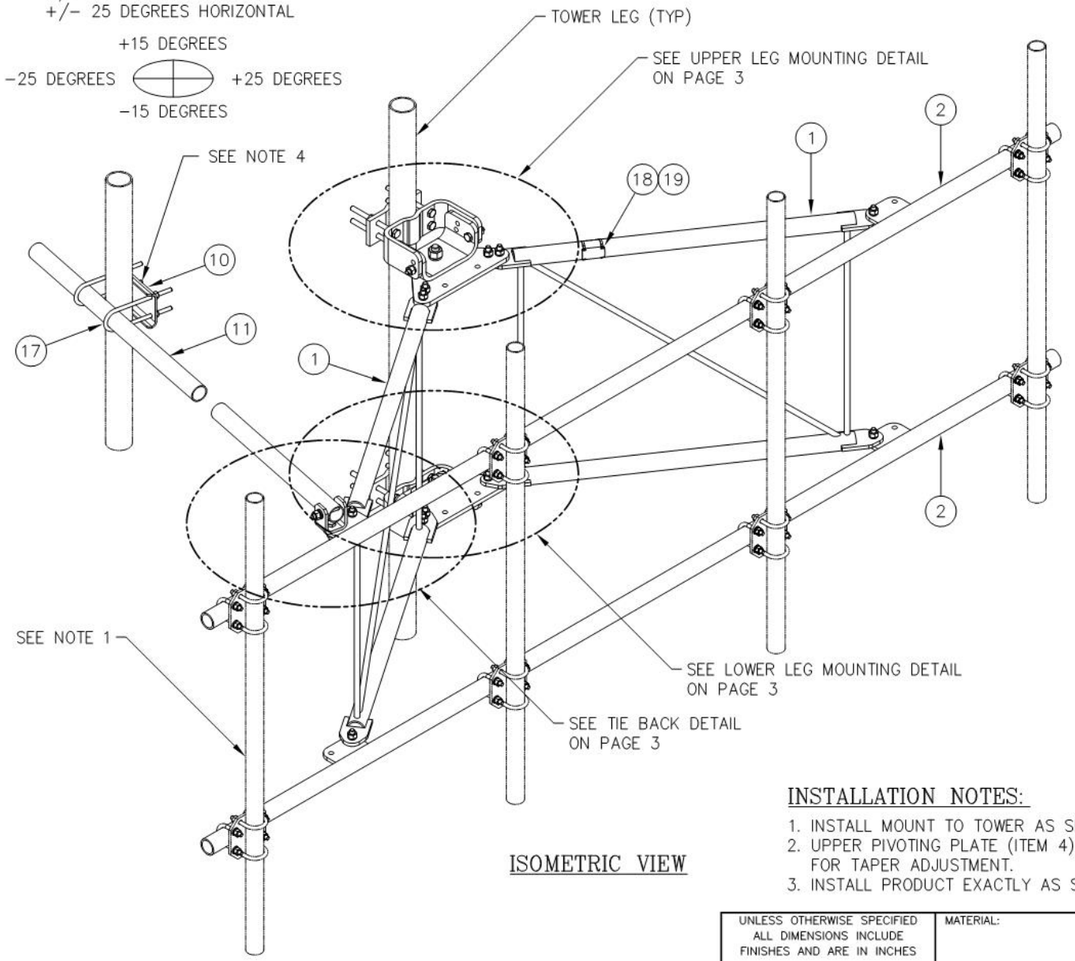
CUSTOMER ID:	HAMPTON CT
CUSTOMER #:	468242

SUPPLEMENTAL

SHEET NUMBER:
R-601

TIEBACK ANGLE RANGE DETAIL

+/− 15 DEGREES VERTICAL
+/− 25 DEGREES HORIZONTAL



ISOMETRIC VIEW

NOTES:

1. MOUNTING PIPES & CROSSOVER PLATE KITS MUST BE PURCHASED SEPARATELY.
2. QUANTITIES SHOWN IN LISTS OF MATERIAL ARE FOR ONE (1) V−BOOM ONLY.
3. THIS V−BOOM WILL MOUNT TO THE FOLLOWING: 1 1/2"ø TO 5 9/16"ø ROUND LEG.
4. TIEBACK MUST BE CONNECTED TO A RIGID MEMBER THAT PROVIDES ADEQUATE SUPPORT WITHIN THE LIMITS NOTED ABOVE IN THE TIEBACK ANGLE RANGE DETAIL UNLESS APPROVED BY THE ENGINEER OF RECORD.

C10857001C 12' HD V−BOOM ASSEMBLY W/TIEBACK

ITEM	QTY.	PART NO.	DESCRIPTION	WEIGHT
1.	2	CW01222	WELDMENT, STANDOFF ARM	126
2.	2	CW01223	WELDMENT, FACE PIPE	147
3.	2	CS03109	PLATE, ROTATING	34
4.	1	CS03110	PLATE, PIVOTING (UPPER)	16
5.	1	CS03111	PLATE, LEG CLAMP (UPPER)	17
6.	1	CS03112	PLATE, PIVOTING (LOWER)	14
7.	1	CS03113	PLATE, LEG CLAMP (LOWER)	17
8.	2	CS03114	PLATE, LEG CLAMP (BACK)	14
9.	1	CS00098	PLATE, TIE BACK SWIVEL	3
10.	1	CS03285	PLATE, TIE BACK CLAMP	4
11.	1	CS03333	PIPE, TIE BACK	38
12.	2	C40026073	BOLT ASSEMBLY, 1 ø X 3 A325	4
13.	8	C40140004	BOLT ASSEMBLY, 5/8 ø X 8 A307	13
14.	1	C40026033	BOLT ASSEMBLY, 5/8 ø X 4 1/2 A325	1
15.	12	C40026025	BOLT ASSEMBLY, 5/8 ø X 2 1/2 A325	6
16.	5	C40026024	BOLT ASSEMBLY, 5/8 ø X 2 1/4 A325	3
17.	2	C40034183	U−BOLT ASSEMBLY, 1/2 ø X 2 9/16 C−C	3
18.	1	Z30992001	MOUNT CLASSIFICATION TAG C10857001C	1
19.	2	C40062103	STAINLESS STEEL SELF−LOCKING CABLE TIE	1
			TOTAL WEIGHT	462

PACKAGING NOTE

CK00386 INCLUDES ITEMS 1, 3, 4, 5, 6, 7, 12 & 15 (8 QTY)
CK00387 INCLUDES ITEMS 2, 8, 9, 10, 11, 13, 14, 15 (4 QTY), 16, 17, 18 & 19

INSTALLATION NOTES:

1. INSTALL MOUNT TO TOWER AS SHOWN, SO THAT WELDED STANDOFF DIAGONAL IS SLOPING DOWNWARD FROM TOWER END TO FACE PIPE END.
2. UPPER PIVOTING PLATE (ITEM 4) HAS THREE HOLES ON EACH SIDE AND UPPER LEG CLAMP PLATE (ITEM 5) HAS TWO HOLES ON EACH SIDE FOR TAPER ADJUSTMENT.
3. INSTALL PRODUCT EXACTLY AS SHOWN IN DRAWING, WITH ALL BOLTS FACING UPWARDS.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES
TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010"
MATERIAL: TOLERANCES DO NOT APPLY TO RAW MATERIAL

REV	DATE	DRW	CHK	DESCRIPTION
3	10/19/16	KLE	DEL	ADDED INSTALLATION NOTES
2	02/05/16	DLW	DEL	ADDED PACKAGING NOTE
1	01/21/16	KLE	EK	REVISED NOTES & ADDED TIEBACK ANGLE RANGE DETAIL

Sabre Industries™ Towers and Poles

12' HD V−BOOM ASSEMBLY W/TIEBACK
(3' STANDOFF)
W/NO ANTENNA MOUNTING PIPES

		SIZE	DRAWING NO.	REV
DATE	12/22/15	B	C10857001C	3
DRAWN BY	WRF		SCALE None	PAGE 1 OF 3
CHECKED BY	EK			

1 SECTOR FRAME DETAIL
FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

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

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ATC SITE NUMBER:
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CUSTOMER #:	468242

SUPPLEMENTAL

SHEET NUMBER:
R-602

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

New/Replacement Antenna Mount Analysis Report and PMI Requirements

Mount Analysis Replacement

SMART Tool Project #: 10078192
Maser Consulting Connecticut Project #: 21777634A

June 24, 2021

Site Information

Site ID:	*468242-VZW / HAMPTON CT*
Site Name:	*HAMPTON CT*
Carrier Name:	*Verizon Wireless*
Address:	*185 Fiske Rd*
	Hampton, Connecticut 06427
	Windham County
Latitude:	*41.769956°*
Longitude:	*-72.070664°*

Structure Information

Tower Type:	*Guyed*
Mount Type:	*13.00-Ft Sector Frame*

FUZE ID # 16271946

Analysis Results

Sector Frame: **34.6% 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: Chuanjiao Hu

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontals	22.8 %	Pass
Antenna Pipe	30.7 %	Pass
Standoff Plate	19.8 %	Pass
Face Horizontal Plate	9.1 %	Pass
Inner Bracing	14.4 %	Pass
V Horizontals	11.8 %	Pass
Tower Connection Plate	20.5 %	Pass
Stabilizer	34.6 %	Pass
Mount Connection	34.5 %	Pass

Structure Rating – ***(Controlling Utilization of all Components)***	**34.6%**

Recommendation:

The proposed antenna mounts are **SUFFICIENT** for the final loading configuration and do not require modifications.

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

Attachments:

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

1 MOUNT ANALYSIS

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R-603