Crown Castle
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

April 29, 2024

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

RE: **Notice of Exempt Modification for Verizon Wireless: 5000382154**
Crown Site ID# 845993
12 Nepaug Road, Burlington, CT 06013
Latitude: 41° 46′ 56.86″ / Longitude: -72° 59′ 22.68″

Dear Ms. Bachman:

Verizon Wireless currently maintains twelve (12) antennas at the 99-foot mount on the existing 120-foot monopole tower located at 12 Nepaug Road, Burlington, CT. The property is owned by AT&T Mobility and the tower is owned by Crown Castle. Verizon now intends to remove twelve (12) antennas and replace with nine (9) new antennas, and ancillary antenna equipment at the 99-ft level. This modification/proposal includes hardware that is both 4G (LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

Panned Modification:

Tower:
Install New:
(3) Commscope NHH-65B-R2B Antennas
(3) Commscope-NHHSS-65B-R2BT4 Antennas
(3) Samsung-MT6413-77A Antennas
(3) Samsung- RF44390-25A Radios
(3) Samsung RT4423-48A/B Radios
(2) RRFDC-3315-PF-48 12OVP BOX
(3) Commscope – BSAMNT-SBS-1-2 Antennas Mount Brackets
Mount modifications per TES

Remove:
(6) Andrew – JAHH-658-R3B Antennas
(6) Antel LPA 80080-4CF Antennas
(3) Nokia UHBA B13 RRH Radios
(3) Nokia – B66A RRH 4x45 Radios
(3) Nokia – B25 RRH 2x60 Radios

Ground:
Install New:
(1) RS485 Card

(6) Powershift Modules
(1) Powewrshift Controller
(6) Powershift Bypass Modules
(1) Powershift Shelf

The facility was originally approved by the Connecticut Siting Council, Docket No. 268 on February 18, 2004.

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 Douglas Thompson, First Selectman, Town of Burlington, Jerry Burns, ZEO, Town of Burlington and AT&T Mobility, Property Owner. Crown Castle is the tower owner.

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

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

3. The proposed modification 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 replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communication 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.

For the foregoing reasons, Verizon Wireless respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2). Please send approval/rejection letter to Attn: Jeffrey Barbadora.

Sincerely,

Jeffrey Barbadora
Permitting Specialist
1800 W. Park Drive
Westborough, MA 01581
(781) 970-0053
Jeff.Barbadora@crowncastle.com

Attachments
cc:

Douglas Thompson, First Selectman
Town of Burlington
200 Spielman Highway
Burlington, CT 06013
860-673-6789

Jerry Burns, ZEO
Town of Burlington
200 Spielman Highway
Burlington, CT 06013
860-673-6789

AT&T Mobility, Property Owner
754 Peachtree Street
Atlanta, GA 30308
Real Estate Division

Crown Castle, Tower Owner

DOCKET NO. 268 - AT&T Wireless PCS, LLC d/b/a AT&T Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility located near Lyon and Nepaug Roads in Burlington, Connecticut.	}	Connecticut
	}	Siting
	}	Council
	}	February 18, 2004

Decision and Order:
Burlington Site CT-828

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the proposed site, located at the intersection of Lyon and Nepaug Roads, Burlington, Connecticut.

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

1. The tower shall be constructed no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of AT&T Wireless and other entities, both public and private, but such tower shall not exceed a height of 120 feet above ground level.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include:

   a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment building, access road, utility line, and landscaping; and
   b) construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

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

6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any municipal antennas, provided such antennas are compatible with the structural integrity of the tower.

7. If the facility does not initially provide wireless services within one year of completion of construction or ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

8. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.

9. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Hartford Courant.

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

The parties and intervenors to this proceeding are:

Applicant	**Its Representative**
AT&T Wireless PCS, LLC d/b/a AT&T Wireless	Christopher B. Fisher, Esq. Cuddy & Feder LLP 90 Maple Avenue White Plains, New York 10601
Intervenor	**Its Representative**
Sprint Spectrum, L.P. d/b/a Sprint PCS	Thomas J. Regan, Esq. Brown Rudnick Berlack Israels CityPlace I 185 Asylum Street Hartford, CT 06103

Town of Burlington, CT

Property Listing Report

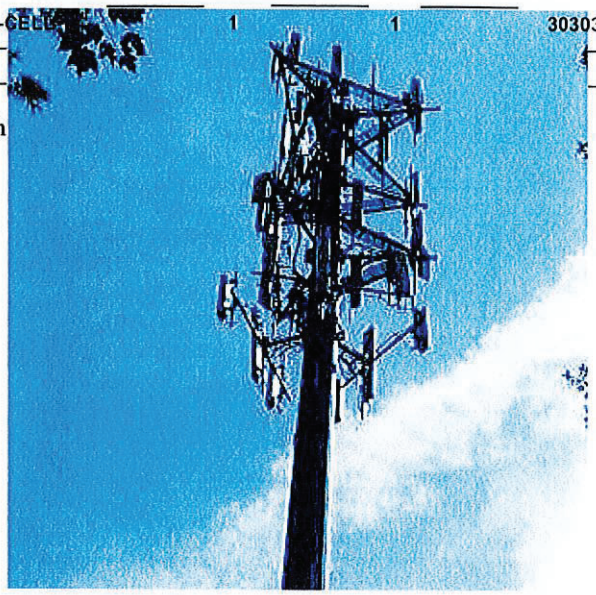
Map Block Lot 5-11-17-A-CELL 1 1 30303111

Property Information

Property Location	12 NEPAUG RD
Owner	AT&T MOBILITY
Co-Owner	
Mailing Address	754 PEACHTREE ST ATLANTA GA 30308
Land Use	402V Ind Bldg Mdl-00
Land Class	I
Zoning Code	
Census Tract	

Street Index	
Acreage	0.23
Utilities	
Lot Setting/Desc	
Additional Info	

Ph



Sketch

Primary Construction Details

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

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

(*Industrial / Commercial Details)

Building Desc.	Ind Bldg Mdl-00
Building Grade	
Heat / AC	NA
Frame Type	NA
Baths / Plumbing	NA
Ceiling / Wall	NA
Rooms / Prtns	NA
Wall Height	NA
First Floor Use	NA

Report Created On 3/19/2024

Town of Burlington, CT

Property Listing Report | Map Block Lot 5-11-17-A-CELL | Building # 1 | Section # 1 | Account 30303111

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	0	0
Extras	0	0
Improvements		
Outbuildings	202100	141470
Land	306000	214200
Total	508100	355670

Outbuilding and Extra Features

Type	Description
PerCastConcCel	240 S.F.
PerCastConcCel	360 S.F.
Fence 8' Chain	260 L.F.
Cellular Pad	1 UNIT

Sub Areas

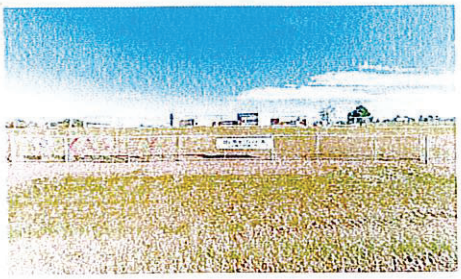
Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area		0

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
AT&T MOBILITY	0000/0000	2008-10-01	0

Report Created On 3/19/2024

12 Nepaug Rd



12 Nepaug Rd

Directions | Save | Nearby | Send to phone | Share

12 Nepaug Rd, Burlington, CT 06013

Q2H6+HR Burlington, Connecticut

Photos

Barbadora, Jeff

From: TrackingUpdates@fedex.com
Sent: Tuesday, April 30, 2024 12:33 PM
To: Barbadora, Jeff
Subject: FedEx Shipment 776156897850: Your package has been delivered

Hi. Your package was delivered Tue, 04/30/2024 at 12:23pm.

Delivered to 200 SPIELMAN HWY, BURLINGTON, CT 06013

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	776156897850
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	Town of Burlington Douglas Thompson, First Selectman 200 Spielman Highway BURLINGTON, CT, US, 06013
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 4/29/2024 05:56 PM
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	BURLINGTON, CT, US, 06013
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Standard Overnight

Barbadora, Jeff

From: TrackingUpdates@fedex.com
Sent: Tuesday, April 30, 2024 12:34 PM
To: Barbadora, Jeff
Subject: FedEx Shipment 776156916908: Your package has been delivered

Hi. Your package was delivered Tue, 04/30/2024 at 12:23pm.

Delivered to 200 SPIELMAN HWY, BURLINGTON, CT 06013

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	776156916908
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	Town of Burlington Jerry Burns, ZEO 200 Spielman Highway BURLINGTON, CT, US, 06013
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 4/29/2024 05:56 PM
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	BURLINGTON, CT, US, 06013
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Standard Overnight

Barbadora, Jeff

From: TrackingUpdates@fedex.com
Sent: Tuesday, April 30, 2024 12:52 PM
To: Barbadora, Jeff
Subject: FedEx Shipment 776156973319: Your package has been delivered

FedEx

Hi. Your package was delivered Tue, 04/30/2024 at 12:43pm.

Delivered to 754 PEACHTREE ST NE, ATLANTA, GA 30308
Received by T.MOSLEY

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	776156973319
FROM	Crown Castle 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	AT&T Mobility Real Estate Division 754 Peachtree Street ATLANTA, GA, US, 30308
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 4/29/2024 05:56 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	ATLANTA, GA, US, 30308
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Standard Overnight

Date: **February 15, 2024**

Black & Veatch Corp.
11401 Lamar Avenue
Overland Park, KS 66211
(913) 458-6963

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	5000382154
	Site Name:	BURLINGTON W CT
Crown Castle Designation:	**BU Number:**	845993
	Site Name:	BURLINGTON-NEPAUG ROAD
	JDE Job Number:	2107970
	Work Order Number:	2283857
	Order Number:	662898 Rev. 0
Engineering Firm Designation:	**Black & Veatch Corp. Project Number:**	406642
Site Data:	**12 Nepaug Road, Burlington, Hartford County, CT**	
	Latitude *41° 46' 56.86"*, Longitude *-72° 59' 22.68"*	
	120 Foot - Monopole Tower	

Black & Veatch Corp. is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity - 47.3%**

This analysis utilizes an ultimate 3-second gust wind speed of 115 mph as required by the 2022 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Suttinee Somchana

Respectfully submitted by:

Ping Jiang, P.E.
Professional Engineer

Feb 16, 2024

Digitally signed by Ping Jiang
DN: CN=Ping Jiang, dnQualifier=A01410D0000018BD4B59DC30001EECF, O=Kansas, C=US
Date: 2024.02.16 08:23:30-06'00'

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 120 ft Monopole tower mapped by FDH Velocitel.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	115 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Seismic Ss:	0.178
Seismic S1:	0.054
Service Wind Speed:	60 mph
Seismic Loading:	Does not control per engineering judgment

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
99.0	101.0	1	lucent	KS24019-L112A	1 8	1/2 1-5/8
	99.0	1	cci tower mounts (v2.1)	Platform Mount [LP 602-1_KCKR]		
		3	commscope	NHH-65B-R2B w/ Mount Pipe		
		3	commscope	NHHSS-65B-R2BT4		
		2	raycap	RRFDC-3315-PF-48		
		3	samsung telecommunications	CBRS RT4401-48A		
		3	samsung telecommunications	MT6413-77A w/ Mount Pipe		
		3	samsung telecommunications	RF4439D-25A		
		3	samsung telecommunications	RF4461D-13A		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
119.0	119.0	1	cci tower mounts (v2.1)	Platform Mount [LP 1201-1_HR-1]	1	1-5/8
		1	gps	GPS_A		
		3	kmw communications	AM-X-CD-16-65-00T-RET w/ Mount Pipe		
		6	powerwave technologies	7770.00 w/ Mount Pipe		
		1	powerwave technologies	LGP13519		
		1	powerwave technologies	LGP21401		
109.0	111.0	1	lucent	KS24019-L112A	1 3	7/8 1-1/4
	110.0	3	alcatel lucent	PCS 1900MHz 4x45W-65MHz		
		6	alcatel lucent	RRH2X50-800		
		3	alcatel lucent	TD-RRH8X20-25		
		3	kmw communications	ETCR-654L12H6 w/ Mount Pipe		
	109.0	1	cci tower mounts (v2.1)	Platform Mount [LP 1201-1_KCKR]		
90.0	90.0	1	cci tower mounts (v2.1)	Miscellaneous [NA 507-1]	3	1-5/8
		1	cci tower mounts (v2.1)	T-Arm Mount [TA 602-3]		
		3	ericsson	AIR 6419 B41_TMO_CCIV2		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	rfs celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
		3	rfs celwave	APXVLL19P_43-C-A20_TMO w/ Mount Pipe		
70.0	70.0	3	fujitsu	TA08025-B604	1	1-3/8
		3	fujitsu	TA08025-B605		
		3	jma wireless	MX08FRO665-21 w/ Mount Pipe		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	4551029	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	5072131	CCISITES
4-TOWER MANUFACTURER DRAWINGS	5117503	CCISITES

3.1) Analysis Method

tnxTower (version 8.2.2.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

3.2) Assumptions

1) Tower and structures were maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. Black & Veatch Corp. should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary) (Monopole Tower)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	120 - 97	Pole	TP28.5266x22.69x0.1875	1	-8.98	1002.37	12.8	Pass
L2	97 - 48	Pole	TP39.7x27.233x0.25	2	-25.23	1865.55	43.3	Pass
L3	48 - 0	Pole	TP51.04x38.0248x0.3125	3	-37.12	3090.62	46.8	Pass
							Summary	
						Pole (L3)	46.8	Pass
						Rating =	46.8	Pass

Table 5 - Tower Component Stresses vs. Capacity (Monopole Tower) - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	40.9	Pass
	Base Plate		31.5	Pass
1	Base Foundation (Structure)	0	39.2	Pass
	Base Foundation (Soil Interaction)		47.3	Pass

Structure Rating (max from all components) =	47.3%

Notes:
1) See additional documentation in “Appendix C - Additional Calculations” for calculations supporting the % capacity. Rating per TIA-222-H Section 15.5.

4.1) Recommendations

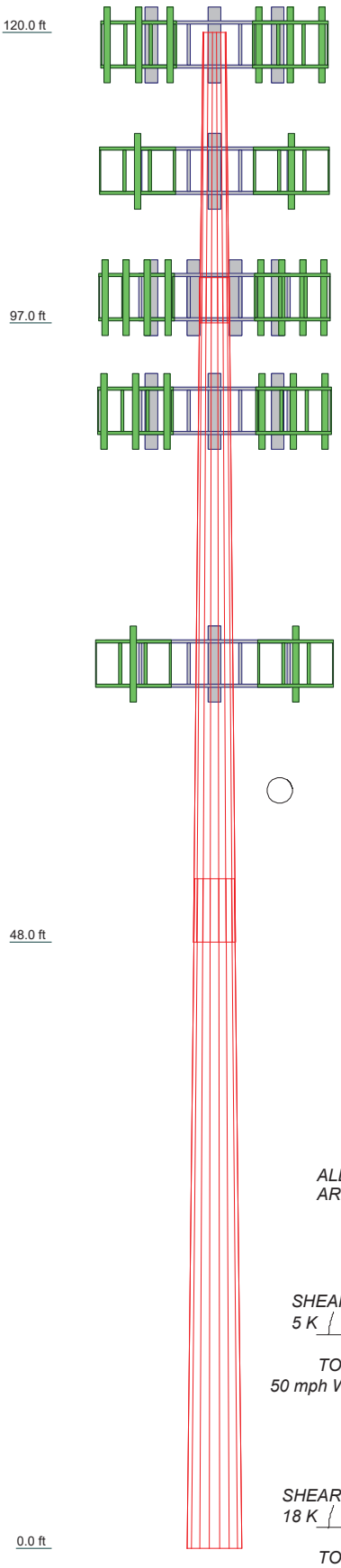
The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT

Section	1	2	3
Length (ft)	23.00	52.62	52.96
Number of Sides	18	18	18
Thickness (in)	0.1875	0.2500	0.3125
Socket Length (ft)	3.62	4.96	
Top Dia (in)	22.6900	27.2330	38.0248
Bot Dia (in)	28.5266	39.7000	51.0400
Grade	A572-65		
Weight (K)	1.2	4.7	7.9

Total Weight (K) 13.8



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 115 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 46.8%

ALL REACTIONS ARE FACTORED

AXIAL 55 K

SHEAR 5 K *MOMENT 448 kip-ft*

TORQUE 1 kip-ft
50 mph WIND - 1.0000 in ICE

AXIAL 37 K

SHEAR 18 K *MOMENT 1554 kip-ft*

TORQUE 4 kip-ft
REACTIONS - 115 mph WIND

BLACK & VEATCH
Black & Veatch Corp.
11401 Lamar Avenue
Overland Park, KS 66211
Phone: (913) 458-6963
FAX:

Job:	***Burlington - Nepaug Road (BU# 845993)***		
Project:	***406642 (845993.2283857)***		
Client: Crown Castle	Drawn by: Suttinee Somchana	App'd:	
Code: TIA-222-H	Date: 02/15/24	Scale: NTS	
Path: C:\Users\somb6124\Desktop\845993\845993.2283857 - TSA\Structural\845993.2283857 Structural Analysis.eri		Dwg No. E-1	

Tower Input Data

The tower is a monopole.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

- Tower is located in Hartford County, Connecticut.
- Tower base elevation above sea level: 832.00 ft.
- Basic wind speed of 115 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

	Consider Moments - Legs		Assume Legs Pinned		Calculate Redundant Bracing Forces
	Consider Moments - Horizontals	√	Assume Rigid Index Plate		Ignore Redundant Members in FEA
	Consider Moments - Diagonals	√	Use Clear Spans For Wind Area		SR Leg Bolts Resist Compression
	Use Moment Magnification		Use Clear Spans For KL/r		All Leg Panels Have Same Allowable
√	Use Code Stress Ratios		Retension Guys To Initial Tension		Offset Girt At Foundation
√	Use Code Safety Factors - Guys	√	Bypass Mast Stability Checks	√	Consider Feed Line Torque
	Escalate Ice	√	Use Azimuth Dish Coefficients		Include Angle Block Shear Check
	Always Use Max Kz	√	Project Wind Area of Appurtenances		Use TIA-222-H Bracing Resist. Exemption
	Use Special Wind Profile		Alternative Appurt. EPA Calculation		Use TIA-222-H Tension Splice Exemption
	Include Bolts In Member Capacity		Autocalc Torque Arm Areas		Poles
	Leg Bolts Are At Top Of Section		Add IBC .6D+W Combination	√	Include Shear-Torsion Interaction
	Secondary Horizontal Braces Leg		Sort Capacity Reports By Component		Always Use Sub-Critical Flow
	Use Diamond Inner Bracing (4 Sided)		Triangulate Diamond Inner Bracing		Use Top Mounted Sockets
	SR Members Have Cut Ends		Treat Feed Line Bundles As Cylinder	√	Pole Without Linear Attachments
	SR Members Are Concentric		Ignore KL/ry For 60 Deg. Angle Legs		Pole With Shroud Or No Appurtenances
	Distribute Leg Loads As Uniform		Use ASCE 10 X-Brace Ly Rules		Outside and Inside Corner Radii Are Known

Tapered Pole Section Geometry

Section	*Elevation*	*Section Length*	*Splice Length*	*Number of Sides*	*Top Diameter*	*Bottom Diameter*	*Wall Thickness*	*Bend Radius*	*Pole Grade*
	ft	*ft*	*ft*		*in*	*in*	*in*	*in*	
L1	120.00-97.00	23.00	3.62	18	22.6900	28.5266	0.1875	0.7500	A572-65 (65 ksi)
L2	97.00-48.00	52.62	4.96	18	27.2330	39.7000	0.2500	1.0000	A572-65 (65 ksi)
L3	48.00-0.00	52.96		18	38.0248	51.0400	0.3125	1.2500	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	23.0111	13.3918	856.7181	7.9884	11.5265	74.3258	1714.5635	6.6972	3.6634	19.538
	28.9377	16.8653	1711.2120	10.0604	14.4915	118.0837	3424.6756	8.4343	4.6907	25.017
L2	28.4854	21.4110	1969.4893	9.5790	13.8343	142.3623	3941.5701	10.7075	4.3530	17.412
	40.2739	31.3036	6154.9624	14.0047	20.1676	305.1906	12318.0236	15.6548	6.5472	26.189
L3	39.8010	37.4059	6721.1739	13.3879	19.3166	347.9477	13451.1917	18.7065	6.1424	19.656
	51.7792	50.3153	16357.7954	18.0083	25.9283	630.8853	32737.1149	25.1625	8.4330	26.986

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 120.00-97.00				1	1	1			
L2 97.00-48.00				1	1	1			
L3 48.00-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
LDF7-50A(1-5/8)	C	No	No	Inside Pole	119.00 - 0.00	1	No Ice	0.20	0.82
							1/2" Ice	0.30	2.33
							1" Ice	0.40	4.46
***									
HB114-08U3M12-XXXF(7/8)	C	No	No	Inside Pole	109.00 - 0.00	1	No Ice	0.11	0.68
							1/2" Ice	0.21	1.67
							1" Ice	0.31	3.26
HB114-1-08U4-M5F(1-1/4)	C	No	No	Inside Pole	109.00 - 0.00	3	No Ice	0.15	1.30
							1/2" Ice	0.25	2.55
							1" Ice	0.35	4.40
***									
LDF4-50A(1/2)	C	No	No	Inside Pole	99.00 - 0.00	1	No Ice	0.06	0.15
							1/2" Ice	0.16	0.84
							1" Ice	0.26	2.14
LDF7-50A(1-5/8)	C	No	No	Inside Pole	99.00 - 0.00	6	No Ice	0.20	0.82
							1/2" Ice	0.30	2.33
							1" Ice	0.40	4.46
HB158-1-08U8-S8J18(1-5/8)	C	No	No	Inside Pole	99.00 - 0.00	2	No Ice	0.20	1.30
							1/2" Ice	0.30	2.81
							1" Ice	0.40	4.94
***									
HB158-21U6S24-xxM_TMO(1-5/8)	C	No	No	Inside Pole	90.00 - 0.00	3	No Ice	0.20	2.50
							1/2" Ice	0.30	4.02
							1" Ice	0.40	6.16
***									
CU12PSM9P8XXX (1-3/8)	C	No	No	Inside Pole	70.00 - 0.00	1	No Ice	0.14	1.66
							1/2" Ice	0.24	2.83
							1" Ice	0.34	4.61
***									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft²	A_F ft²	C_AA_A In Face ft²	C_AA_A Out Face ft²	Weight K
L1	120.00-97.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.09
L2	97.00-48.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.99
L3	48.00-0.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	1.07

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft²	A_F ft²	C_AA_A In Face ft²	C_AA_A Out Face ft²	Weight K
L1	120.00-97.00	A	0.957	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.09
L2	97.00-48.00	A	0.919	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.99
L3	48.00-0.00	A	0.821	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	1.07

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	120.00-97.00	0.0000	0.0000	0.0000	0.0000
L2	97.00-48.00	0.0000	0.0000	0.0000	0.0000
L3	48.00-0.00	0.0000	0.0000	0.0000	0.0000

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft²	C_AA_A Side ft²	Weight K
Platform Mount [LP 1201-1_HR-1]	C	None			0.00	119.00	No Ice	26.39	26.39	2.36
							1/2" Ice	31.40	31.40	3.06
							1" Ice	36.20	36.20	3.86
4'x3" Mount Pipe	A	From Leg	0.50	0.00	0.00	119.00	No Ice	1.11	1.11	0.03
			0.00				1/2" Ice	1.36	1.36	0.04
			0.00				1" Ice	1.62	1.62	0.05
4'x3" Mount Pipe	B	From Leg	0.50	0.00	0.00	119.00	No Ice	1.11	1.11	0.03
			0.00				1/2" Ice	1.36	1.36	0.04
			0.00				1" Ice	1.62	1.62	0.05

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
4'x3" Mount Pipe	C	From Leg	0.50 0.00 0.00	0.00	119.00	No Ice 1/2" Ice 1" Ice	1.11 1.36 1.62	1.11 1.36 1.62	0.03 0.04 0.05
6'x2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	119.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
6'x2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	119.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
6'x2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	119.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
(2) 7770.00 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	119.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
(2) 7770.00 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	119.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
(2) 7770.00 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	119.00	No Ice 1/2" Ice 1" Ice	3.39 3.75 4.12	2.32 2.66 3.02	0.06 0.10 0.15
AM-X-CD-16-65-00T-RET w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	119.00	No Ice 1/2" Ice 1" Ice	4.63 5.06 5.51	3.27 3.69 4.12	0.07 0.13 0.20
AM-X-CD-16-65-00T-RET w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	119.00	No Ice 1/2" Ice 1" Ice	4.63 5.06 5.51	3.27 3.69 4.12	0.07 0.13 0.20
AM-X-CD-16-65-00T-RET w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	119.00	No Ice 1/2" Ice 1" Ice	4.63 5.06 5.51	3.27 3.69 4.12	0.07 0.13 0.20
GPS_A	A	From Leg	4.00 0.00 0.00	0.00	119.00	No Ice 1/2" Ice 1" Ice	0.30 0.37 0.46	0.30 0.37 0.46	0.00 0.00 0.01
LGP21401	C	From Leg	4.00 0.00 0.00	0.00	119.00	No Ice 1/2" Ice 1" Ice	1.29 1.45 1.61	0.36 0.48 0.60	0.01 0.02 0.03
LGP13519	C	From Leg	4.00 0.00 0.00	0.00	119.00	No Ice 1/2" Ice 1" Ice	0.34 0.42 0.51	0.21 0.28 0.36	0.01 0.01 0.01
***									
Platform Mount [LP 1201-1_KCKR]	C	None		0.00	109.00	No Ice 1/2" Ice 1" Ice	29.60 36.33 43.26	29.60 36.33 43.26	2.38 3.07 3.86
(3) 6'x2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
(3) 6'x2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(3) 6'x2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
ETCR-654L12H6 w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	10.90 11.57 12.24	4.61 5.18 5.77	0.10 0.19 0.28
ETCR-654L12H6 w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	10.90 11.57 12.24	4.61 5.18 5.77	0.10 0.19 0.28
ETCR-654L12H6 w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	10.90 11.57 12.24	4.61 5.18 5.77	0.10 0.19 0.28
KS24019-L112A	B	From Leg	4.00 0.00 2.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	0.16 0.22 0.30	0.16 0.22 0.30	0.01 0.01 0.01
TD-RRH8X20-25	A	From Leg	4.00 0.00 1.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	4.72 5.01 5.32	1.70 1.92 2.15	0.07 0.10 0.13
TD-RRH8X20-25	B	From Leg	4.00 0.00 1.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	4.72 5.01 5.32	1.70 1.92 2.15	0.07 0.10 0.13
TD-RRH8X20-25	C	From Leg	4.00 0.00 1.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	4.72 5.01 5.32	1.70 1.92 2.15	0.07 0.10 0.13
PCS 1900MHz 4x45W-65MHz	A	From Leg	4.00 0.00 1.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	2.71 2.95 3.20	2.61 2.85 3.09	0.06 0.08 0.11
PCS 1900MHz 4x45W-65MHz	B	From Leg	4.00 0.00 1.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	2.71 2.95 3.20	2.61 2.85 3.09	0.06 0.08 0.11
PCS 1900MHz 4x45W-65MHz	C	From Leg	4.00 0.00 1.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	2.71 2.95 3.20	2.61 2.85 3.09	0.06 0.08 0.11
(2) RRH2X50-800	A	From Leg	4.00 0.00 1.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	1.98 2.17 2.37	1.50 1.67 1.84	0.05 0.07 0.09
(2) RRH2X50-800	B	From Leg	4.00 0.00 1.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	1.98 2.17 2.37	1.50 1.67 1.84	0.05 0.07 0.09
(2) RRH2X50-800	C	From Leg	4.00 0.00 1.00	0.00	109.00	No Ice 1/2" Ice 1" Ice	1.98 2.17 2.37	1.50 1.67 1.84	0.05 0.07 0.09
***									
Platform Mount [LP 602-1_KCKR]	C	None		0.00	99.00	No Ice 1/2" Ice 1" Ice	42.30 49.04 55.87	42.30 49.04 55.87	1.62 2.38 3.27
BSAMNT-SBS-2-2 Side By Side Bracket	A	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.00 0.00 0.00	0.07 0.09 0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
BSAMNT-SBS-2-2 Side By Side Bracket	B	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.00 0.00 0.00	0.07 0.09 0.11
BSAMNT-SBS-2-2 Side By Side Bracket	C	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.00 0.00 0.00	0.07 0.09 0.11
8'x2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
8'x2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
8'x2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
NHH-65B-R2B w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	3.29 3.67 4.06	0.07 0.13 0.21
NHH-65B-R2B w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	3.29 3.67 4.06	0.07 0.13 0.21
NHH-65B-R2B w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	4.09 4.48 4.88	3.29 3.67 4.06	0.07 0.13 0.21
NHHSS-65B-R2BT4	A	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	3.94 4.33 4.73	2.36 2.73 3.11	0.06 0.11 0.17
NHHSS-65B-R2BT4	B	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	3.94 4.33 4.73	2.36 2.73 3.11	0.06 0.11 0.17
NHHSS-65B-R2BT4	C	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	3.94 4.33 4.73	2.36 2.73 3.11	0.06 0.11 0.17
MT6413-77A w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	4.63 4.98 5.35	2.24 2.68 3.14	0.07 0.10 0.14
MT6413-77A w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	4.63 4.98 5.35	2.24 2.68 3.14	0.07 0.10 0.14
MT6413-77A w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	4.63 4.98 5.35	2.24 2.68 3.14	0.07 0.10 0.14
KS24019-L112A	B	From Leg	4.00 0.00 2.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	0.16 0.22 0.30	0.16 0.22 0.30	0.01 0.01 0.01
RF4439D-25A	A	From Leg	4.00 0.00 0.00	0.00	99.00	No Ice 1/2" Ice 1" Ice	2.18 2.37 2.58	1.46 1.63 1.80	0.07 0.09 0.11
RF4439D-25A	B	From Leg	4.00	0.00	99.00	No Ice	2.18	1.46	0.07

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1/2" Ice	2.37	1.63	0.09
			0.00			1" Ice	2.58	1.80	0.11
RF4439D-25A	C	From Leg	4.00	0.00	99.00	No Ice	2.18	1.46	0.07
			0.00			1/2" Ice	2.37	1.63	0.09
			0.00			1" Ice	2.58	1.80	0.11
RRFDC-3315-PF-48	A	From Leg	4.00	0.00	99.00	No Ice	4.33	2.56	0.02
			0.00			1/2" Ice	4.61	2.79	0.05
			0.00			1" Ice	4.90	3.04	0.09
RRFDC-3315-PF-48	B	From Leg	4.00	0.00	99.00	No Ice	4.33	2.56	0.02
			0.00			1/2" Ice	4.61	2.79	0.05
			0.00			1" Ice	4.90	3.04	0.09
RF4461D-13A	A	From Leg	4.00	0.00	99.00	No Ice	2.18	1.49	0.08
			0.00			1/2" Ice	2.37	1.66	0.10
			0.00			1" Ice	2.58	1.83	0.12
RF4461D-13A	B	From Leg	4.00	0.00	99.00	No Ice	2.18	1.49	0.08
			0.00			1/2" Ice	2.37	1.66	0.10
			0.00			1" Ice	2.58	1.83	0.12
RF4461D-13A	C	From Leg	4.00	0.00	99.00	No Ice	2.18	1.49	0.08
			0.00			1/2" Ice	2.37	1.66	0.10
			0.00			1" Ice	2.58	1.83	0.12
CBRS RT4401-48A	A	From Leg	4.00	0.00	99.00	No Ice	1.16	0.56	0.02
			0.00			1/2" Ice	1.31	0.68	0.03
			0.00			1" Ice	1.46	0.81	0.04
CBRS RT4401-48A	B	From Leg	4.00	0.00	99.00	No Ice	1.16	0.56	0.02
			0.00			1/2" Ice	1.31	0.68	0.03
			0.00			1" Ice	1.46	0.81	0.04
CBRS RT4401-48A	C	From Leg	4.00	0.00	99.00	No Ice	1.16	0.56	0.02
			0.00			1/2" Ice	1.31	0.68	0.03
			0.00			1" Ice	1.46	0.81	0.04
***									
T-Arm Mount [TA 602-3]	C	None		0.00	90.00	No Ice	13.40	13.40	0.77
						1/2" Ice	16.44	16.44	1.00
						1" Ice	19.70	19.70	1.29
Miscellaneous [NA 507-1]	C	None		0.00	90.00	No Ice	4.56	4.56	0.24
						1/2" Ice	6.39	6.39	0.31
						1" Ice	8.18	8.18	0.40
AIR 6419 B41_TMO_CCIV2	A	From Leg	4.00	0.00	90.00	No Ice	6.24	2.34	0.08
			0.00			1/2" Ice	6.74	2.73	0.12
			0.00			1" Ice	7.26	3.14	0.16
AIR 6419 B41_TMO_CCIV2	B	From Leg	4.00	0.00	90.00	No Ice	6.24	2.34	0.08
			0.00			1/2" Ice	6.74	2.73	0.12
			0.00			1" Ice	7.26	3.14	0.16
AIR 6419 B41_TMO_CCIV2	C	From Leg	4.00	0.00	90.00	No Ice	6.24	2.34	0.08
			0.00			1/2" Ice	6.74	2.73	0.12
			0.00			1" Ice	7.26	3.14	0.16
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Leg	4.00	0.00	90.00	No Ice	14.69	6.87	0.18
			0.00			1/2" Ice	15.46	7.55	0.31
			0.00			1" Ice	16.23	8.25	0.45
APXVAALL24_43-U-	B	From Leg	4.00	0.00	90.00	No Ice	14.69	6.87	0.18

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
NA20_TMO w/ Mount Pipe			0.00			1/2" Ice	15.46	7.55	0.31
			0.00			1" Ice	16.23	8.25	0.45
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.18 0.31 0.45
APXVLL19P_43-C-A20_TMO w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice	5.08 5.59 6.10	3.20 3.68 4.17	0.08 0.13 0.20
APXVLL19P_43-C-A20_TMO w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice	5.08 5.59 6.10	3.20 3.68 4.17	0.08 0.13 0.20
APXVLL19P_43-C-A20_TMO w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice	5.08 5.59 6.10	3.20 3.68 4.17	0.08 0.13 0.20
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice	2.30 2.50 2.72	1.85 2.04 2.24	0.07 0.09 0.12
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice	2.30 2.50 2.72	1.85 2.04 2.24	0.07 0.09 0.12
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice	2.30 2.50 2.72	1.85 2.04 2.24	0.07 0.09 0.12
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice	2.50 2.71 2.93	1.97 2.16 2.36	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice	2.50 2.71 2.93	1.97 2.16 2.36	0.11 0.13 0.16
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.00 0.00 0.00	0.00	90.00	No Ice 1/2" Ice 1" Ice	2.50 2.71 2.93	1.97 2.16 2.36	0.11 0.13 0.16
***									
Commscope MC-PK8-DSH	C	None		0.00	70.00	No Ice 1/2" Ice 1" Ice	34.24 62.95 91.66	34.24 62.95 91.66	1.75 2.10 2.45
(2) 8'x2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	70.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
(2) 8'x2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	70.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
(2) 8'x2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	70.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	70.00	No Ice 1/2" Ice 1" Ice	8.01 8.52 9.04	4.23 4.69 5.16	0.11 0.19 0.29
MX08FRO665-21 w/	B	From Leg	4.00	0.00	70.00	No Ice	8.01	4.23	0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Mount Pipe			0.00			1/2" Ice	8.52	4.69	0.19
			0.00			1" Ice	9.04	5.16	0.29
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.00	0.00	70.00	No Ice	8.01	4.23	0.11
			0.00			1/2" Ice	8.52	4.69	0.19
			0.00			1" Ice	9.04	5.16	0.29
TA08025-B604	A	From Leg	4.00	0.00	70.00	No Ice	2.29	1.14	0.06
			0.00			1/2" Ice	2.49	1.30	0.08
			0.00			1" Ice	2.71	1.46	0.10
TA08025-B604	B	From Leg	4.00	0.00	70.00	No Ice	2.29	1.14	0.06
			0.00			1/2" Ice	2.49	1.30	0.08
			0.00			1" Ice	2.71	1.46	0.10
TA08025-B604	C	From Leg	4.00	0.00	70.00	No Ice	2.29	1.14	0.06
			0.00			1/2" Ice	2.49	1.30	0.08
			0.00			1" Ice	2.71	1.46	0.10
TA08025-B605	A	From Leg	4.00	0.00	70.00	No Ice	2.29	1.32	0.08
			0.00			1/2" Ice	2.49	1.48	0.09
			0.00			1" Ice	2.71	1.65	0.11
TA08025-B605	B	From Leg	4.00	0.00	70.00	No Ice	2.29	1.32	0.08
			0.00			1/2" Ice	2.49	1.48	0.09
			0.00			1" Ice	2.71	1.65	0.11
TA08025-B605	C	From Leg	4.00	0.00	70.00	No Ice	2.29	1.32	0.08
			0.00			1/2" Ice	2.49	1.48	0.09
			0.00			1" Ice	2.71	1.65	0.11
RDIDC-9181-PF-48	A	From Leg	4.00	0.00	70.00	No Ice	2.35	1.36	0.02
			0.00			1/2" Ice	2.55	1.53	0.04
			0.00			1" Ice	2.77	1.70	0.06
***									

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice

Comb. No.	Description
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	120 - 97	Pole	Max Tension	2	0.00	0.00	-0.00
			Max. Compression	26	-15.10	0.15	-0.09
			Max. Mx	20	-8.98	73.88	-0.02
			Max. My	14	-8.98	0.05	-73.67
			Max. Vy	8	5.90	-73.78	-0.02
			Max. Vx	2	-5.88	0.05	73.56
			Max. Torque	16			-1.45
L2	97 - 48	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-40.34	-0.28	0.44
			Max. Mx	8	-25.23	-667.42	0.16
			Max. My	2	-25.23	-0.08	667.95
			Max. Vy	8	15.53	-667.42	0.16
			Max. Vx	2	-15.56	-0.08	667.95
			Max. Torque	25			-4.43
L3	48 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-54.51	-0.28	0.44
			Max. Mx	8	-37.12	-1552.50	0.14
			Max. My	2	-37.12	-0.09	1554.49
			Max. Vy	8	17.88	-1552.50	0.14
			Max. Vx	2	-17.91	-0.09	1554.49
			Max. Torque	13			4.42

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	54.51	-0.00	5.26
	Max. H_x	20	37.14	17.86	-0.00
	Max. H_z	2	37.14	-0.00	17.89
	Max. M_x	2	1554.49	-0.00	17.89
	Max. M_z	8	1552.50	-17.86	-0.00
	Max. Torsion	13	4.42	-8.94	-15.49
	Min. Vert	19	27.85	15.47	-8.93
	Min. H_x	8	37.14	-17.86	-0.00
	Min. H_z	14	37.14	-0.00	-17.89
	Min. M_x	14	-1554.24	-0.00	-17.89
	Min. M_z	20	-1552.32	17.86	-0.00
	Min. Torsion	25	-4.42	8.94	15.49

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	30.95	0.00	0.00	-0.10	-0.07	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	37.14	0.00	-17.89	-1554.49	-0.09	0.24
0.9 Dead+1.0 Wind 0 deg - No Ice	27.85	0.00	-17.89	-1539.17	-0.06	0.24
1.2 Dead+1.0 Wind 30 deg - No Ice	37.14	8.94	-15.48	-1345.47	-776.84	-4.01
0.9 Dead+1.0 Wind 30 deg - No Ice	27.85	8.94	-15.48	-1332.20	-769.17	-4.01
1.2 Dead+1.0 Wind 60 deg - No Ice	37.14	15.47	-8.93	-776.37	-1344.58	-0.15
0.9 Dead+1.0 Wind 60 deg - No Ice	27.85	15.47	-8.93	-768.70	-1331.33	-0.15
1.2 Dead+1.0 Wind 90 deg - No Ice	37.14	17.86	0.00	-0.15	-1552.50	3.75
0.9 Dead+1.0 Wind 90 deg - No Ice	27.85	17.86	0.00	-0.11	-1537.20	3.75
1.2 Dead+1.0 Wind 120 deg - No Ice	37.14	15.48	8.94	776.53	-1345.29	-0.39
0.9 Dead+1.0 Wind 120 deg - No Ice	27.85	15.48	8.94	768.92	-1332.03	-0.39
1.2 Dead+1.0 Wind 150 deg - No Ice	37.14	8.94	15.49	1345.94	-777.22	-4.42
0.9 Dead+1.0 Wind 150 deg - No Ice	27.85	8.94	15.49	1332.73	-769.55	-4.42
1.2 Dead+1.0 Wind 180 deg - No Ice	37.14	0.00	17.89	1554.24	-0.09	-0.24
0.9 Dead+1.0 Wind 180 deg - No Ice	27.85	0.00	17.89	1538.98	-0.06	-0.24
1.2 Dead+1.0 Wind 210 deg - No Ice	37.14	-8.94	15.48	1345.23	776.63	4.01
0.9 Dead+1.0 Wind 210 deg - No Ice	27.85	-8.94	15.48	1332.02	769.02	4.01
1.2 Dead+1.0 Wind 240 deg - No Ice	37.14	-15.47	8.93	776.12	1344.41	0.15
0.9 Dead+1.0 Wind 240 deg - No Ice	27.85	-15.47	8.93	768.51	1331.20	0.15
1.2 Dead+1.0 Wind 270 deg - No Ice	37.14	-17.86	0.00	-0.15	1552.32	-3.75
0.9 Dead+1.0 Wind 270 deg - No Ice	27.85	-17.86	0.00	-0.11	1537.07	-3.75
1.2 Dead+1.0 Wind 300 deg - No Ice	37.14	-15.48	-8.94	-776.78	1345.12	0.39
0.9 Dead+1.0 Wind 300 deg	27.85	-15.48	-8.94	-769.11	1331.91	0.39

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
- No Ice 1.2 Dead+1.0 Wind 330 deg	37.14	-8.94	-15.49	-1346.17	777.07	4.42
- No Ice 0.9 Dead+1.0 Wind 330 deg	27.85	-8.94	-15.49	-1332.90	769.45	4.42
- No Ice 1.2 Dead+1.0 Ice+1.0 Temp	54.51	0.00	0.00	-0.44	-0.28	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	54.51	0.00	-5.26	-448.39	-0.32	0.05
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	54.51	2.63	-4.55	-388.24	-224.19	-0.79
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	54.51	4.55	-2.63	-224.26	-387.91	-0.03
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	54.51	5.26	-0.00	-0.49	-447.84	0.73
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	54.51	4.55	2.63	223.36	-388.03	-0.08
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	54.51	2.63	4.56	387.39	-224.26	-0.87
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	54.51	0.00	5.26	447.42	-0.32	-0.05
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	54.51	-2.63	4.55	387.27	223.55	0.79
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	54.51	-4.55	2.63	223.29	387.27	0.03
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	54.51	-5.26	-0.00	-0.49	447.20	-0.73
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	54.51	-4.55	-2.63	-224.33	387.39	0.08
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	54.51	-2.63	-4.56	-388.36	223.62	0.87
Dead+Wind 0 deg - Service	30.95	0.00	-4.59	-396.12	-0.07	0.06
Dead+Wind 30 deg - Service	30.95	2.29	-3.97	-342.86	-197.97	-1.03
Dead+Wind 60 deg - Service	30.95	3.97	-2.29	-197.87	-342.61	-0.04
Dead+Wind 90 deg - Service	30.95	4.58	0.00	-0.11	-395.59	0.96
Dead+Wind 120 deg - Service	30.95	3.97	2.29	197.77	-342.80	-0.10
Dead+Wind 150 deg - Service	30.95	2.29	3.97	342.84	-198.07	-1.14
Dead+Wind 180 deg - Service	30.95	0.00	4.59	395.91	-0.07	-0.06
Dead+Wind 210 deg - Service	30.95	-2.29	3.97	342.65	197.82	1.03
Dead+Wind 240 deg - Service	30.95	-3.97	2.29	197.66	342.47	0.04
Dead+Wind 270 deg - Service	30.95	-4.58	0.00	-0.11	395.44	-0.96
Dead+Wind 300 deg - Service	30.95	-3.97	-2.29	-197.98	342.65	0.10
Dead+Wind 330 deg - Service	30.95	-2.29	-3.97	-343.05	197.93	1.14

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.00	-30.95	0.00	0.00	30.95	0.00	0.000%
2	0.00	-37.14	-17.89	-0.00	37.14	17.89	0.000%
3	0.00	-27.85	-17.89	-0.00	27.85	17.89	0.000%
4	8.94	-37.14	-15.48	-8.94	37.14	15.48	0.000%
5	8.94	-27.85	-15.48	-8.94	27.85	15.48	0.000%
6	15.47	-37.14	-8.93	-15.47	37.14	8.93	0.000%
7	15.47	-27.85	-8.93	-15.47	27.85	8.93	0.000%
8	17.86	-37.14	0.00	-17.86	37.14	-0.00	0.000%
9	17.86	-27.85	0.00	-17.86	27.85	0.00	0.000%
10	15.48	-37.14	8.94	-15.48	37.14	-8.94	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
11	15.48	-27.85	8.94	-15.48	27.85	-8.94	0.000%
12	8.94	-37.14	15.49	-8.94	37.14	-15.49	0.000%
13	8.94	-27.85	15.49	-8.94	27.85	-15.49	0.000%
14	0.00	-37.14	17.89	-0.00	37.14	-17.89	0.000%
15	0.00	-27.85	17.89	-0.00	27.85	-17.89	0.000%
16	-8.94	-37.14	15.48	8.94	37.14	-15.48	0.000%
17	-8.94	-27.85	15.48	8.94	27.85	-15.48	0.000%
18	-15.47	-37.14	8.93	15.47	37.14	-8.93	0.000%
19	-15.47	-27.85	8.93	15.47	27.85	-8.93	0.000%
20	-17.86	-37.14	0.00	17.86	37.14	-0.00	0.000%
21	-17.86	-27.85	0.00	17.86	27.85	0.00	0.000%
22	-15.48	-37.14	-8.94	15.48	37.14	8.94	0.000%
23	-15.48	-27.85	-8.94	15.48	27.85	8.94	0.000%
24	-8.94	-37.14	-15.49	8.94	37.14	15.49	0.000%
25	-8.94	-27.85	-15.49	8.94	27.85	15.49	0.000%
26	0.00	-54.51	0.00	0.00	54.51	0.00	0.000%
27	0.00	-54.51	-5.26	-0.00	54.51	5.26	0.000%
28	2.63	-54.51	-4.55	-2.63	54.51	4.55	0.000%
29	4.55	-54.51	-2.63	-4.55	54.51	2.63	0.000%
30	5.26	-54.51	0.00	-5.26	54.51	0.00	0.000%
31	4.55	-54.51	2.63	-4.55	54.51	-2.63	0.000%
32	2.63	-54.51	4.56	-2.63	54.51	-4.56	0.000%
33	0.00	-54.51	5.26	-0.00	54.51	-5.26	0.000%
34	-2.63	-54.51	4.55	2.63	54.51	-4.55	0.000%
35	-4.55	-54.51	2.63	4.55	54.51	-2.63	0.000%
36	-5.26	-54.51	0.00	5.26	54.51	0.00	0.000%
37	-4.55	-54.51	-2.63	4.55	54.51	2.63	0.000%
38	-2.63	-54.51	-4.56	2.63	54.51	4.56	0.000%
39	0.00	-30.95	-4.59	0.00	30.95	4.59	0.000%
40	2.29	-30.95	-3.97	-2.29	30.95	3.97	0.000%
41	3.97	-30.95	-2.29	-3.97	30.95	2.29	0.000%
42	4.58	-30.95	0.00	-4.58	30.95	-0.00	0.000%
43	3.97	-30.95	2.29	-3.97	30.95	-2.29	0.000%
44	2.29	-30.95	3.97	-2.29	30.95	-3.97	0.000%
45	0.00	-30.95	4.59	0.00	30.95	-4.59	0.000%
46	-2.29	-30.95	3.97	2.29	30.95	-3.97	0.000%
47	-3.97	-30.95	2.29	3.97	30.95	-2.29	0.000%
48	-4.58	-30.95	0.00	4.58	30.95	-0.00	0.000%
49	-3.97	-30.95	-2.29	3.97	30.95	2.29	0.000%
50	-2.29	-30.95	-3.97	2.29	30.95	3.97	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00024070
3	Yes	4	0.00000001	0.00014953
4	Yes	5	0.00000001	0.00032674
5	Yes	5	0.00000001	0.00016209
6	Yes	5	0.00000001	0.00037644
7	Yes	5	0.00000001	0.00018700
8	Yes	5	0.00000001	0.00017197
9	Yes	5	0.00000001	0.00008899
10	Yes	5	0.00000001	0.00036787
11	Yes	5	0.00000001	0.00018252
12	Yes	5	0.00000001	0.00050538
13	Yes	5	0.00000001	0.00025506
14	Yes	4	0.00000001	0.00024064
15	Yes	4	0.00000001	0.00014951
16	Yes	5	0.00000001	0.00049213
17	Yes	5	0.00000001	0.00024804
18	Yes	5	0.00000001	0.00037244
19	Yes	5	0.00000001	0.00018497
20	Yes	5	0.00000001	0.00017194
21	Yes	5	0.00000001	0.00008898

22	Yes	5	0.00000001	0.00038137
23	Yes	5	0.00000001	0.00018963
24	Yes	5	0.00000001	0.00032701
25	Yes	5	0.00000001	0.00016252
26	Yes	4	0.00000001	0.00000001
27	Yes	5	0.00000001	0.00012989
28	Yes	5	0.00000001	0.00015310
29	Yes	5	0.00000001	0.00015265
30	Yes	5	0.00000001	0.00013301
31	Yes	5	0.00000001	0.00015191
32	Yes	5	0.00000001	0.00015842
33	Yes	5	0.00000001	0.00012942
34	Yes	5	0.00000001	0.00015721
35	Yes	5	0.00000001	0.00015157
36	Yes	5	0.00000001	0.00013261
37	Yes	5	0.00000001	0.00015236
38	Yes	5	0.00000001	0.00015301
39	Yes	4	0.00000001	0.00002697
40	Yes	4	0.00000001	0.00020550
41	Yes	4	0.00000001	0.00013991
42	Yes	4	0.00000001	0.00021555
43	Yes	4	0.00000001	0.00013144
44	Yes	4	0.00000001	0.00032739
45	Yes	4	0.00000001	0.00002695
46	Yes	4	0.00000001	0.00030789
47	Yes	4	0.00000001	0.00013565
48	Yes	4	0.00000001	0.00021539
49	Yes	4	0.00000001	0.00014567
50	Yes	4	0.00000001	0.00022229

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	120 - 97	10.2649	39	0.69	0.01
L2	100.62 - 48	7.4919	39	0.66	0.01
L3	52.96 - 0	2.0968	39	0.37	0.00

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
119.00	Platform Mount [LP 1201-1_HR-1]	39	10.1198	0.69	0.01	75857
109.00	Platform Mount [LP 1201-1_KCKR]	39	8.6763	0.68	0.01	34480
99.00	Platform Mount [LP 602-1_KCKR]	39	7.2673	0.66	0.01	18142
90.00	T-Arm Mount [TA 602-3]	39	6.0544	0.62	0.01	12872
70.00	Commscope MC-PK8-DSH	39	3.6610	0.49	0.00	7818

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	120 - 97	40.3630	2	2.72	0.03
L2	100.62 - 48	29.4526	2	2.61	0.03
L3	52.96 - 0	8.2374	2	1.44	0.01

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
119.00	Platform Mount [LP 1201-1_HR-1]	2	39.7923	2.72	0.03	19311
109.00	Platform Mount [LP 1201-1_KCKR]	2	34.1124	2.68	0.03	8777
99.00	Platform Mount [LP 602-1_KCKR]	2	28.5691	2.59	0.03	4618
90.00	T-Arm Mount [TA 602-3]	2	23.7984	2.44	0.02	3277
70.00	Commscope MC-PK8-DSH	2	14.3866	1.94	0.01	1990

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	120 - 97 (1)	TP28.5266x22.69x0.1875	23.00	0.00	0.0	16.3186	-8.98	954.64	0.009
L2	97 - 48 (2)	TP39.7x27.233x0.25	52.62	0.00	0.0	30.3711	-25.23	1776.71	0.014
L3	48 - 0 (3)	TP51.04x38.0248x0.3125	52.96	0.00	0.0	50.3153	-37.12	2943.45	0.013

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	120 - 97 (1)	TP28.5266x22.69x0.1875	74.01	596.48	0.124	0.00	596.48	0.000
L2	97 - 48 (2)	TP39.7x27.233x0.25	667.87	1519.47	0.440	0.00	1519.47	0.000
L3	48 - 0 (3)	TP51.04x38.0248x0.3125	1554.36	3247.12	0.479	0.00	3247.12	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	120 - 97 (1)	TP28.5266x22.69x0.1875	5.90	286.39	0.021	0.01	687.73	0.000
L2	97 - 48 (2)	TP39.7x27.233x0.25	15.56	533.01	0.029	4.42	1786.62	0.002
L3	48 - 0 (3)	TP51.04x38.0248x0.3125	17.91	883.03	0.020	4.42	3922.84	0.001

Pole Interaction Design Data

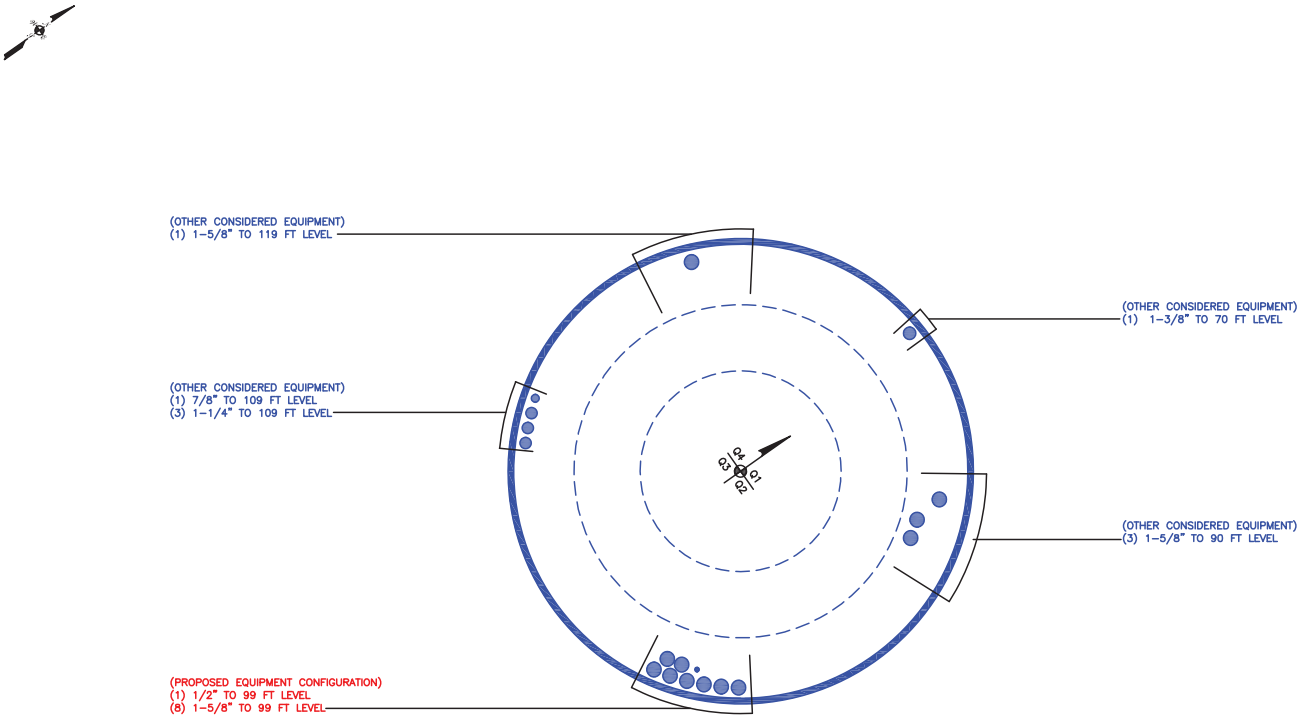
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	120 - 97 (1)	0.009	0.124	0.000	0.021	0.000	0.134	1.050	
L2	97 - 48 (2)	0.014	0.440	0.000	0.029	0.002	0.455	1.050	
L3	48 - 0 (3)	0.013	0.479	0.000	0.020	0.001	0.492	1.050	

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	120 - 97	Pole	TP28.5266x22.69x0.1875	1	-8.98	1002.37	12.8	Pass
L2	97 - 48	Pole	TP39.7x27.233x0.25	2	-25.23	1865.55	43.3	Pass
L3	48 - 0	Pole	TP51.04x38.0248x0.3125	3	-37.12	3090.62	46.8	Pass
							Summary	
						Pole (L3)	46.8	Pass
						RATING =	**46.8**	**Pass**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 845993 TOWER ID: C_BASELEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

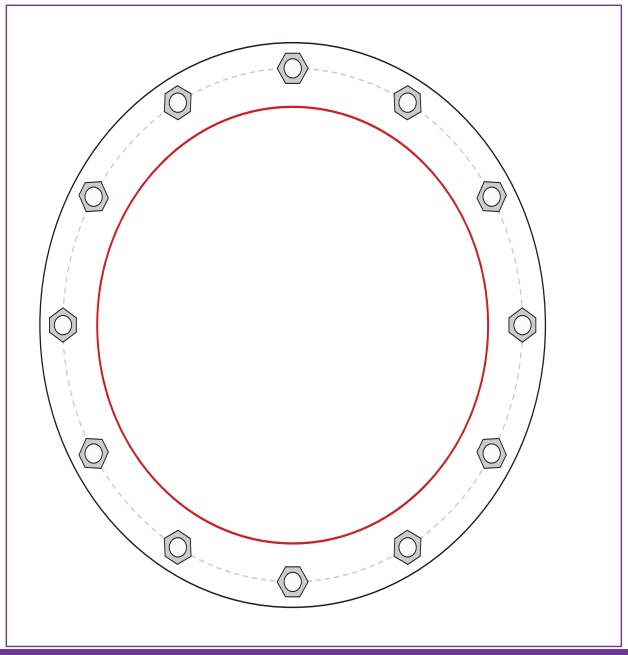
Monopole Base Plate Connection

Site Info	
BU #	845993
Site Name	LINGTON - NEPAUG R
Order #	662898 Rev.0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	4.1875

Applied Loads	
Moment (kip-ft)	1554.49
Axial Force (kips)	37.12
Shear Force (kips)	17.91

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(12) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 60" BC

Base Plate Data

66" OD x 2.25" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

N/A

Pole Data

51.04" x 0.3125" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary *(units of kips, kip-in)*

Pu_c = 106.67	ϕPn_c = 268.39	**Stress Rating**
Vu = 1.49	ϕVn = 120.77	**40.9%**
Mu = 4.06	ϕMn = 128.14	**Pass**

Base Plate Summary

Max Stress (ksi):	17.87	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**31.5%**	**Pass**

Pier and Pad Foundation

BU # :	845993
Site Name:	BURLINGTON-NEF
App. Number:	

TIA-222 Revision:	H
Tower Type:	Monopole

Top & Bot. Pad Rein. Different?:	☑
Block Foundation?:	☐
Rectangular Pad?:	☐

Superstructure Analysis Reactions		
Compression, P_{comp}:	37.14	kips
Base Shear, Vu_comp:	17.89	kips
Moment, M_u:	1554.49	ft-kips
Tower Height, **H**:	120	ft
BP Dist. Above Fdn, bp_{dist}:	8.625	in

Pier Properties		
Pier Shape:	Square	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	0.9	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	30	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	4	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	6	in

Pad Properties		
Depth, **D**:	5	ft
Pad Width, W_1:	22.6	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Top dir.2), Sp_{top2}:	8	
Pad Rebar Quantity (Top dir. 2), mp_{top2}:	22	
Pad Rebar Size (Bottom dir. 2), Sp_2:	8	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	29	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties		
Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	4	ksi
Dry Concrete Density, δc:	150	pcf

Soil Properties		
Total Soil Unit Weight, γ:	120	pcf
Ultimate Net Bearing, Qnet:	12.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:	15.1875	
Base Friction, μ:	0.45	
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	4	ft

<--Toggle between Gross and Net

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	146.99	17.89	**11.6%**	**Pass**
Bearing Pressure (ksf)	9.40	1.46	**14.8%**	**Pass**
*Overturning (kip*ft)*	3533.06	1672.90	**47.3%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	3903.08	1606.37	**39.2%**	**Pass**
Pier Compression (kip)	31187.52	62.72	**0.2%**	**Pass**
*Pad Flexure (kip*ft)*	3170.65	531.99	**16.0%**	**Pass**
Pad Shear - 1-way (kips)	810.44	90.62	**10.6%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.017	**8.7%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	3904.13	963.82	**23.5%**	**Pass**

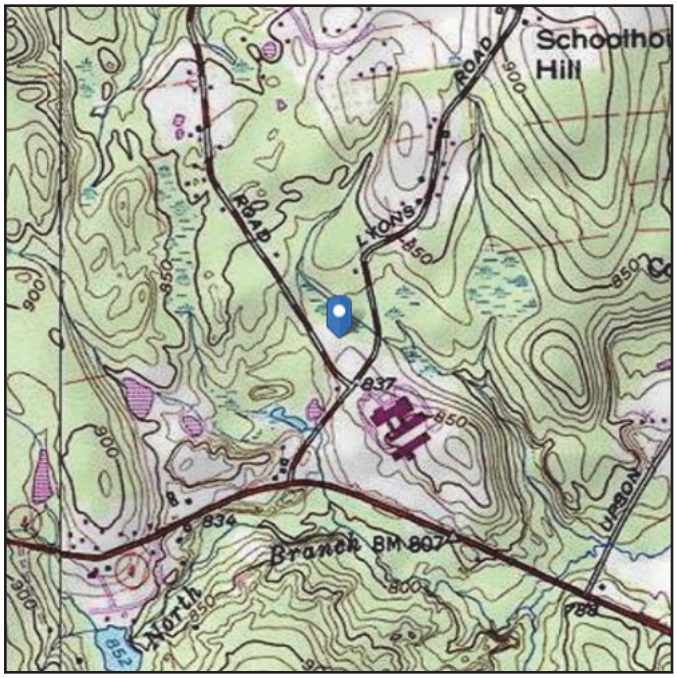
**Rating per TIA-222-H Section 15.5*

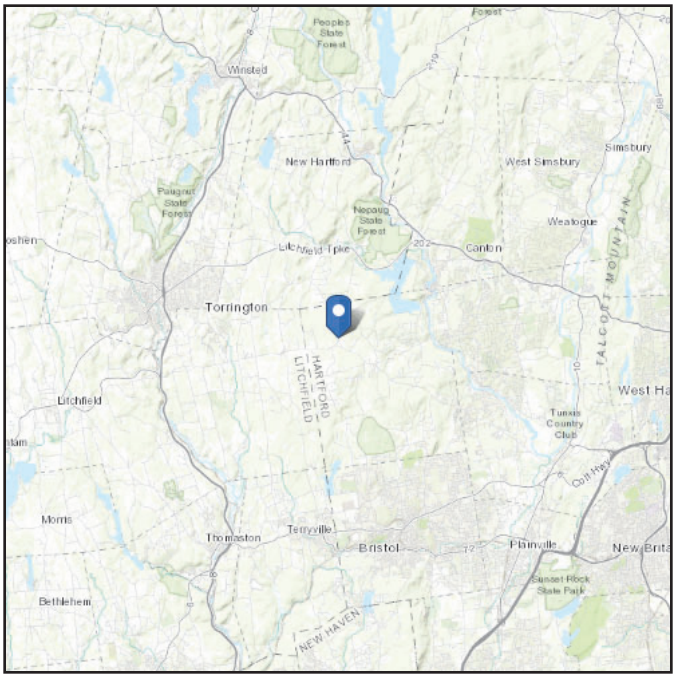
Structural Rating*:	**39.2%**
Soil Rating*:	**47.3%**

ASCE Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Latitude:**	41.782461
Risk Category:	II	**Longitude:**	-72.989633
Soil Class:	D - Default (see Section 11.4.3)	**Elevation:**	832.3478464481224 ft (NAVD 88)





Wind

Results:

Wind Speed	115 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	89 Vmph
100-year MRI	96 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2

Date Accessed: Thu Feb 15 2024

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

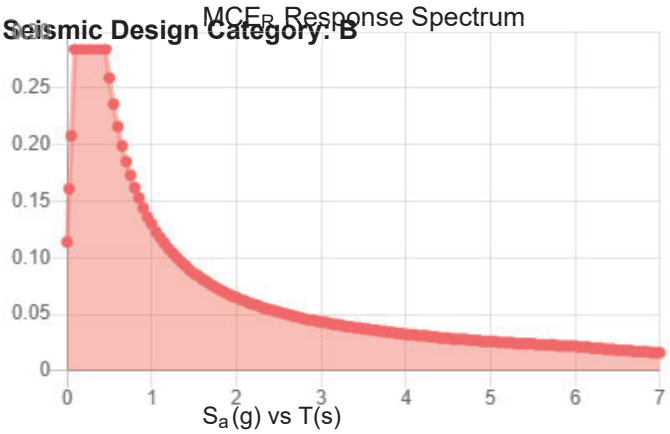
Seismic

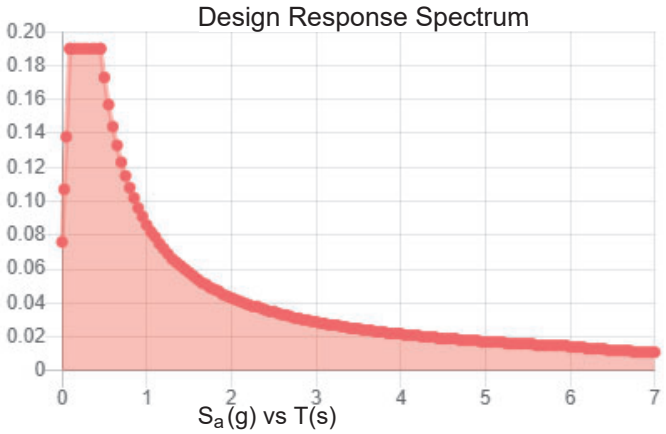
Site Soil Class: D - Default (see Section 11.4.3)

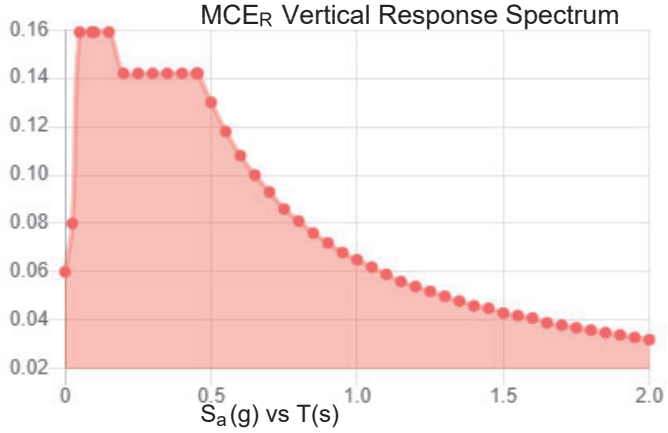
Results:

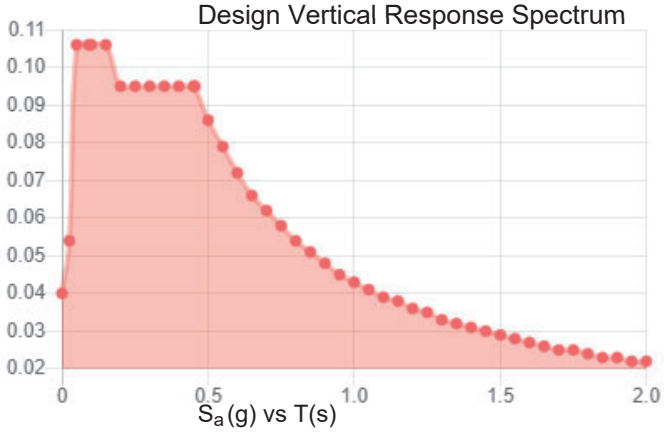
S_S :	0.178	S_{D1} :	0.086
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.095
F_v :	2.4	PGA_M :	0.152
S_{MS} :	0.285	F_{PGA} :	1.6
S_{M1} :	0.13	I_e :	1
S_{DS} :	0.19	C_v :	0.7

Seismic Design Category: B









Data Accessed: Thu Feb 15 2024

Date Source:
USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	5 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Thu Feb 15 2024

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount ReAnalysis-VZW

SMART Tool Project #: 10214356
Colliers Engineering & Design Project #: 21777719A (Rev 1)

November 21, 2023

Site Information	*Site ID:*	*5000382154-VZW / BURLINGTON W CT*
	Site Name:	*BURLINGTON W CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*12 Nepaug Road* *Burlington, Connecticut 06013* *Hartford County*
	Latitude:	*41.782461°*
	Longitude:	*-72.989631°*
Structure Information	*Tower Type:*	*125-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 16272335

Analysis Results

Platform: **36.0% Pass w/ Hardware Upgrades***

*** Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Digitally signed by Peter M. Albano
Date: 2023.11.22 13:26:41-04'00'

STATE OF CONNECTICUT
PETER M. ALBANO
35459
LICENSED PROFESSIONAL ENGINEER

Report Prepared By: Cody Sherman

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 323509, dated November 21, 2023*
Mount Mapping Report	*Structural Components, Site ID: 21777719, dated April 14, 2021*
Final Loading Guidance	*Email Correspondence from Mark Brauer, dated November 21, 2023*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.971
Seismic Parameters:	S_S:	0.180 g
	S_1:	0.054 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
96.50	99.00	3	Commscope	NHH-65B-R2B	Added
		3	Commscope	NHHSS-65B-R2BT4	
		3	Samsung	MT6413-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4461d-13A	
		3	Samsung	RT4423-48A	
		2	Raycap	RRFDC-3315-PF-48	Retained

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design 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 Colliers Engineering & Design to verify deviation will not adversely impact the analysis.

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

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

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

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

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

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

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

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

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design.

Analysis Results:

Component	Utilization %	Pass/Fail
Grating Angle	11.0 %	Pass
Standoff Horizontal	10.0 %	Pass
Standoff Crossbracing	14.0 %	Pass
Support Rail Plate	17.0 %	Pass
Support Rail Bracing Pipe	13.0 %	Pass
Support Rail	21.0 %	Pass
Mount Pipe	26.0 %	Pass
Kicker Angles	10.0 %	Pass
OVP Pipe	36.0 %	Pass
Mount Connection	23.5 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**36.0%***

***** Results valid after hardware upgrades noted in the PMI Requirements are installed.

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	25.2	25.2	40.7	40.7
0.5	35.0	35.0	55.9	55.9
1	43.6	43.6	69.9	69.9

Notes:
- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

The existing mount will be **SUFFICIENT** for the final loading configuration shown in attachment 2 upon the completion of the requirements listed below.

Contractor shall replace the existing OVP mounts with a new 48" long PIPE 2 SCH 40 OVP pipe between Alpha and Gamma sector standoff horizontals.

Contractor shall inspect climbing facilities and safety climb and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

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. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Photos
4. Mount Mapping Report (for reference only)
5. Analysis Calculations

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Passing Mount Analysis requires a PMI due to a modification in loading.

Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com.

For additional questions and support, please reach out to pmisupport@colliersengineering.com

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MDG #: 5000382154 SMART Project #: 10214356 Fuze Project ID: 16272335

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

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

Base Requirements:

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide "as built mount drawings" showing contractor's name, contact information, preparer's signature, and date. Any deviations from the drawings (Proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: ***https://pmi.vzwsmart.com***

Photo Requirements:

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

        - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
    - Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

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

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

OR

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

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

Issue:

Contractor shall replace the existing OVP mounts with a new 48” long PIPE 2 SCH 40 OVP pipe between Alpha and Gamma sector standoff horizontals. Contractor shall inspect climbing facilities and safety climb and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

Response:

Special Instruction Confirmation:

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

☐ All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

OR

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

Comments:

Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

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

Structure: 5000382154-VZW - BURLINGTON W CT

Sector: **A**

Structure Type: Monopole

Mount Elev: 96.50

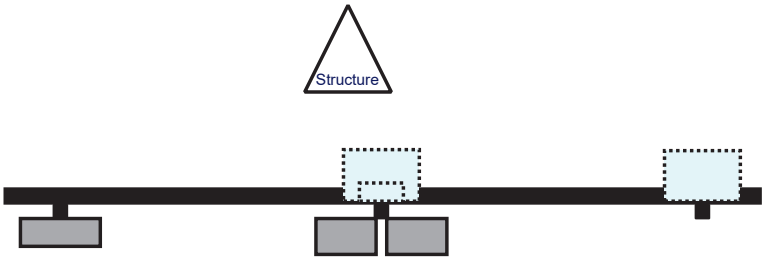
10214356

11/21/2023

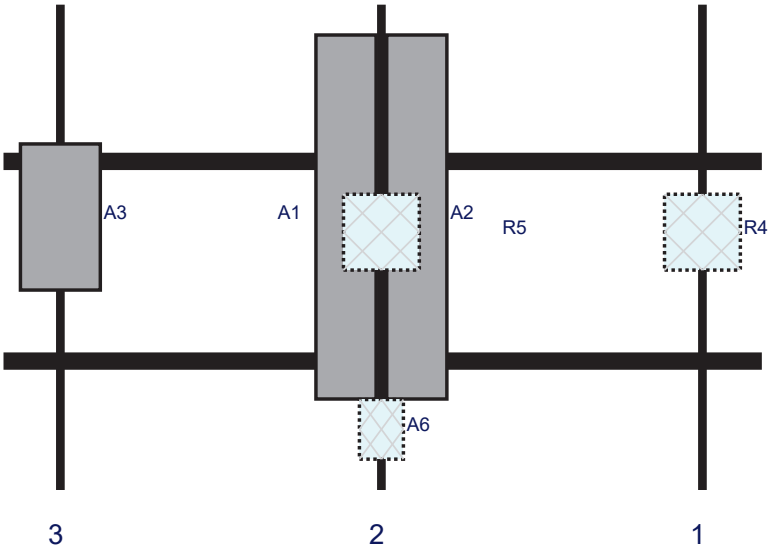
Page: 1

Colliers Engineering & Design

Plan View

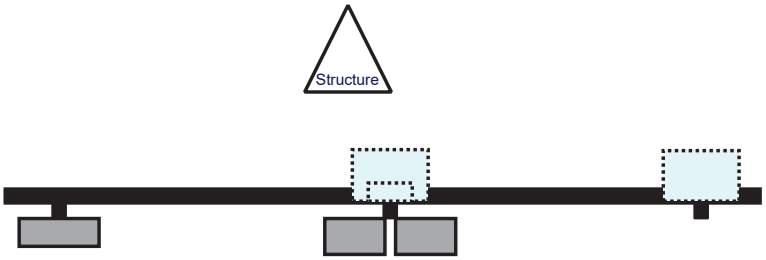


Front View - Looking at Structure

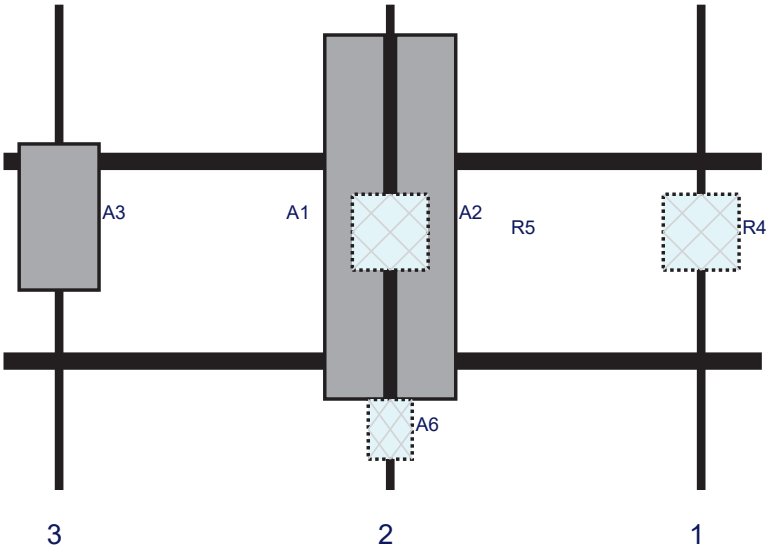


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R4	RF4439d-25A	15	15	138.25	1	a	Behind	45	0	Added	
A1	NHH-65B-R2B	72	11.9	74.75	2	a	Front	42	-7	Added	
A2	NHHSS-65B-R2BT4	72	11.9	74.75	2	a	Front	42	7	Added	
A6	RT4423-48A	11.8	8.7	74.75	2	a	Behind	84	0	Added	
R5	RF4461d-13A	15	15	74.75	2	a	Behind	45	0	Added	
A3	MT6413-77A	28.9	15.8	11.25	3	a	Front	42	0	Added	
M113	RRFDC-3315-PF-48	29.5	16.5		Member					Retained	04/14/2021

Plan View

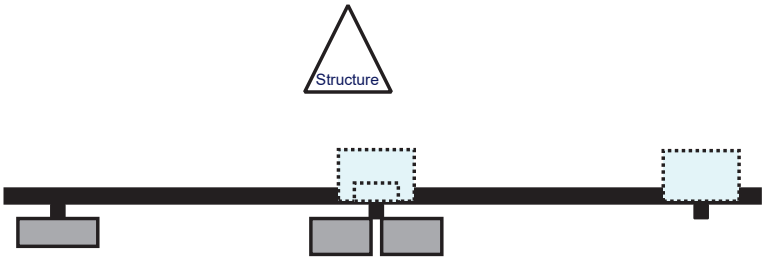


Front View - Looking at Structure

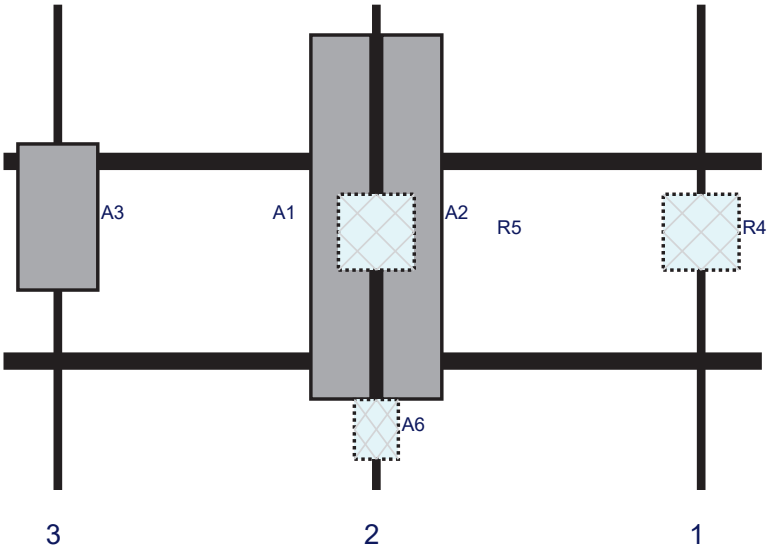


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R4	RF4439d-25A	15	15	138	1	a	Behind	45	0	Added	
A1	NHH-65B-R2B	72	11.9	76.5	2	a	Front	42	-7	Added	
A2	NHHSS-65B-R2BT4	72	11.9	76.5	2	a	Front	42	7	Added	
A6	RT4423-48A	11.8	8.7	76.5	2	a	Behind	84	0	Added	
R5	RF4461d-13A	15	15	76.5	2	a	Behind	45	0	Added	
A3	MT6413-77A	28.9	15.8	11	3	a	Front	42	0	Added	

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
R4	RF4439d-25A	15	15	138	1	a	Behind	45	0	Added	
A1	NHH-65B-R2B	72	11.9	73.75	2	a	Front	42	-7	Added	
A2	NHHSS-65B-R2BT4	72	11.9	73.75	2	a	Front	42	7	Added	
A6	RT4423-48A	11.8	8.7	73.75	2	a	Behind	84	0	Added	
R5	RF4461d-13A	15	15	73.75	2	a	Behind	45	0	Added	
A3	MT6413-77A	28.9	15.8	10.75	3	a	Front	42	0	Added	


04 14 2021 08 19


04 14 2021 09 14

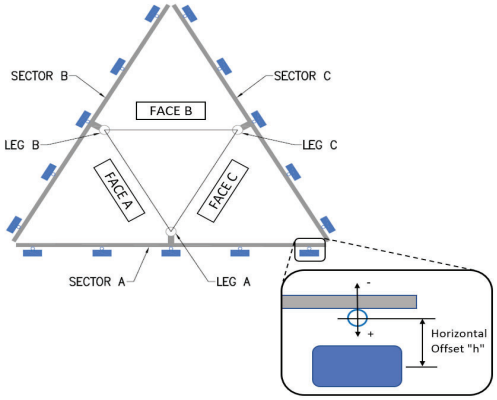
V4.0 Updated on 3-31-2021

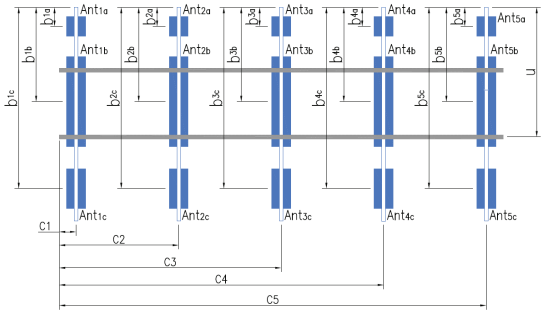
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Crown Castle	**Mapping Date:**	4/14/2021
Site Name:	Burlington W CT	**Tower Type:**	Monopole
Site Number or ID:	21777719	**Tower Height (Ft.):**	125
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	101.67

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2-7/8" x 0.203" x 96"	70.50	11.75	C1	2-7/8" x 0.203" x 96"	70.50	12.00
A2	2-7/8" x 0.203" x 96"	70.50	75.25	C2	2-7/8" x 0.203" x 96"	70.50	76.25
A3	2-7/8" x 0.203" x 96"	70.50	138.75	C3	2-7/8" x 0.203" x 96"	70.50	139.25
A4				C4			
A5				C5			
A6				C6			
B1	2-7/8" x 0.203" x 96"	70.50	12.00	D1			
B2	2-7/8" x 0.203" x 96"	70.50	73.50	D2			
B3	2-7/8" x 0.203" x 96"	70.50	139.00	D3			
B4				D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	20.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	96
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	25

Please enter additional infomation or comments below.

Weld size for cell below is 1/2"

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	27.22

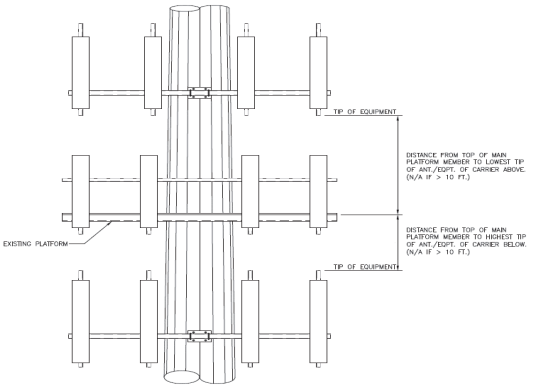
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.

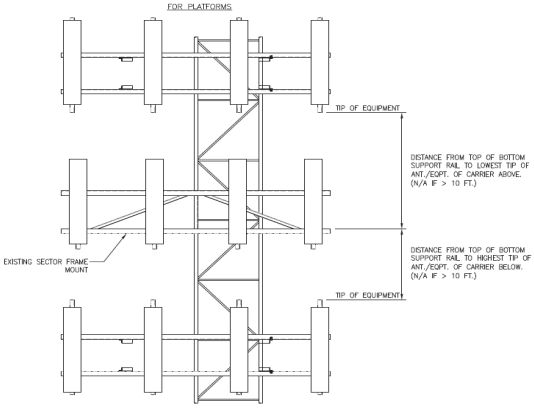
	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	UHIE, B66a RRH 4x45	12.00	7.00	25.50	jumpers	102.212	44.00	-7.00		64
Ant_{1b}	Antel LPA-80080-4CF	5.75	13.00	48.00	) 1-5/8" T	102.462	41.00	16.50	50.00	56
Ant_{1c}										
Ant_{2a}	Unk Radio	12.50	7.00	14.00	jumpers	101.878	48.00	-7.50		85
Ant_{2b}	(2) Commscope JAHH	13.00	8.00	72.00	jupers	102.712	38.00	13.00	50.00	77
Ant_{2c}										
Ant_{3a}	Unk Radio	12.00	7.50	20.50	jumpers	102.483	40.75	-7.00		99
Ant_{3b}	Antel LPA-80080-4CF	5.75	13.00	48.00	) 1-5/8" T	102.295	43.00	15.50	50.00	92
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	50.00	Deg	Leg A:		Deg
Sector B:	170.00	Deg	Leg B:		Deg
Sector C:	290.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

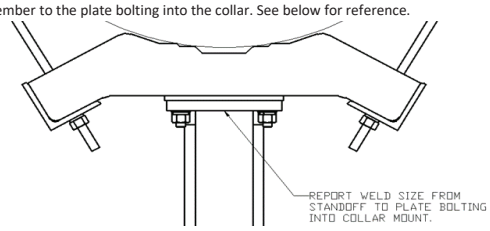
Climbing Facility Information			
Location:		Deg	
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was obstructed.
	Condition:		Missing safety cable.

Please insert a photo of the mount centerline measurement here.





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



Sector B										
Ant_{1a}	UHIE, B66a RRH 4x45	12.00	7.00	25.50		102.149	44.75	-7.00		120
Ant_{1b}	Antel LPA-80080-4CF-	5.75	13.00	48.00		102.378	42.00	14.50	170.00	113
Ant_{1c}										
Ant_{2a}	Unk Radio	12.50	7.00	14.00		102.003	46.50	-7.50		125
Ant_{2b}	(2) Commscope JAHH	13.00	8.00	72.00		102.753	37.50	14.00	170.00	125
Ant_{2c}										
Ant_{3a}	Unk Radio	12.00	7.50	20.50		102.358	42.25	-7.00		146
Ant_{3b}	Antel LPA-80080-4CF-	5.75	13.00	48.00		102.628	39.00	15.00	170.00	138
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	UHIE, B66a RRH 4x45	12.00	7.00	25.50		102.108	45.25	-7.00		161
Ant_{1b}	Antel LPA-80080-4CF-	5.75	13.00	48.00		102.712	38.00	14.00	290.00	158
Ant_{1c}										
Ant_{2a}	Unk Radio	12.50	7.00	14.00		102.212	44.00	-8.50		165
Ant_{2b}	(2) Commscope JAHH	13.00	8.00	72.00		102.712	38.00	13.50	290.00	165
Ant_{2c}										
Ant_{3a}	Unk Radio	12.00	7.50	20.50		102.378	42.00	-6.75		181
Ant_{3b}	Antel LPA-80080-4CF-	5.75	13.00	48.00		102.462	41.00	14.00	290.00	177
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	(2) RRFDC-3315-PF-48	14.50	10.00	19.00	1.5" Hyb	101.83				185
Ant on Standoff	GPS on 36" Pipe mou	3.00	3.00	3.00	1) 1/2" TX	103				185
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

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

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

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

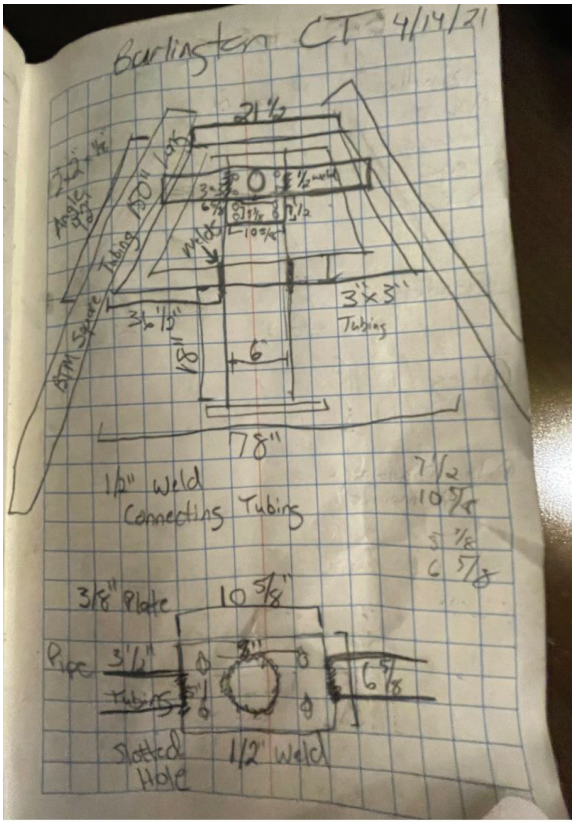
V4.0 Updated on 3-31-2021

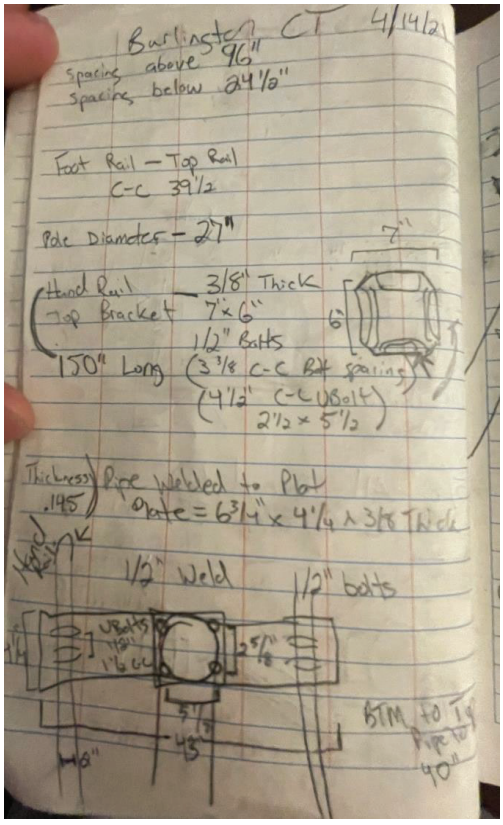
Antenna Mount Mapping Form (PATENT PENDING)

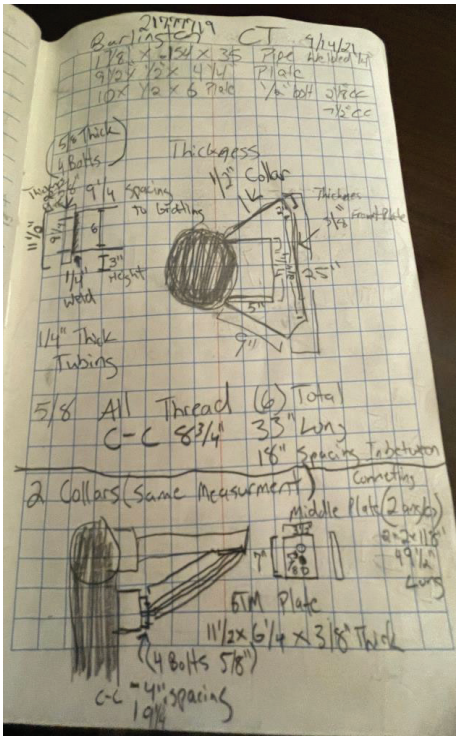
FCC #

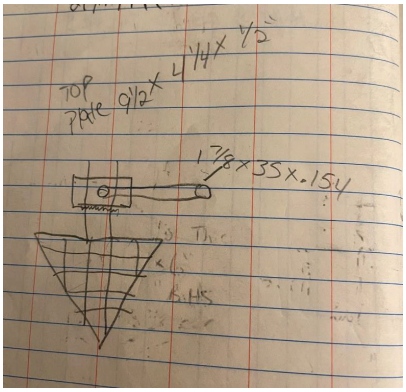
Tower Owner:	Crown Castle	**Mapping Date:**	4/14/2021
Site Name:	Burlington W CT	**Tower Type:**	Monopole
Site Number or ID:	21777719	**Tower Height (Ft.):**	125
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	101.67

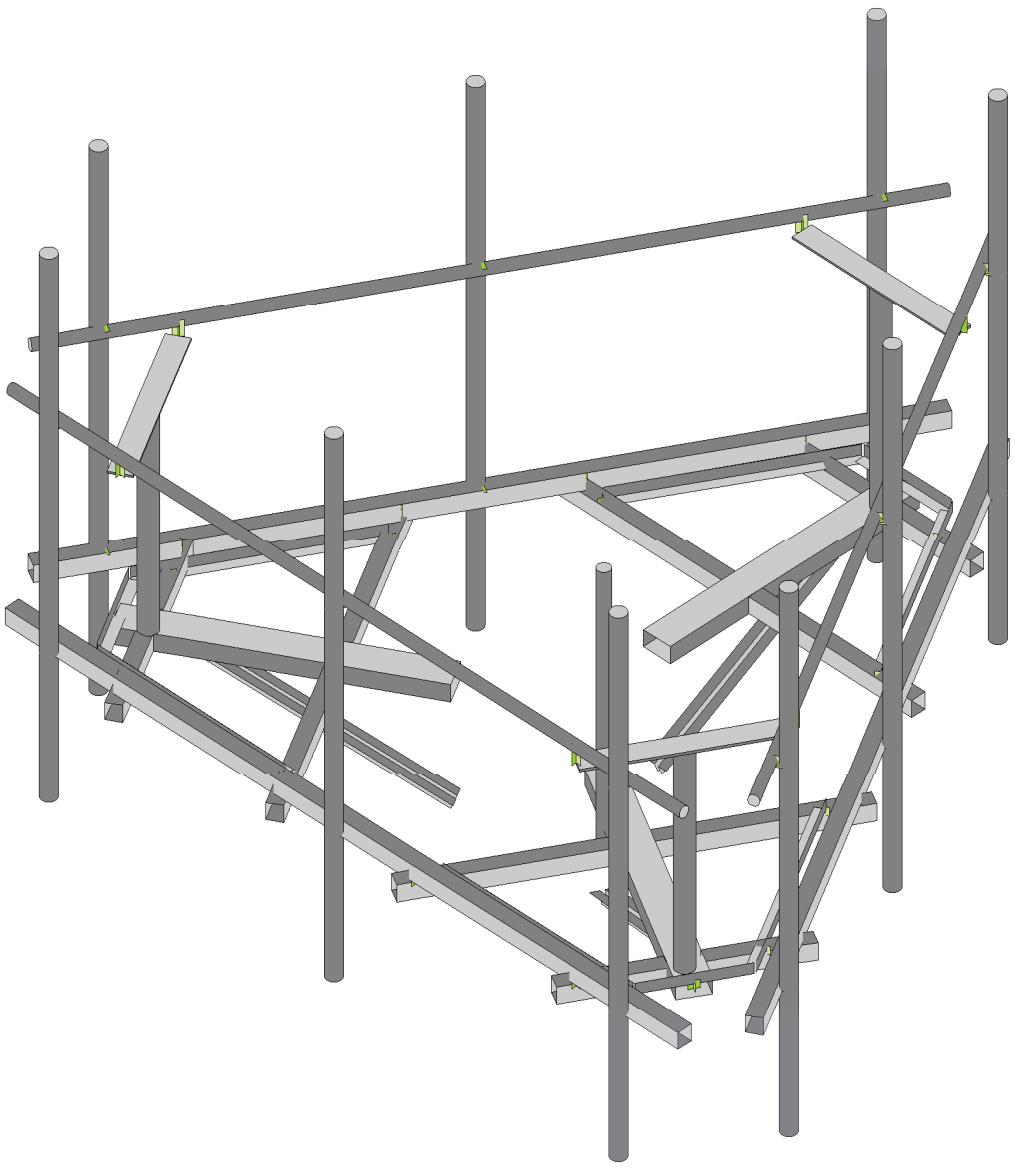
Please Insert Sketches of the Antenna Mount











Envelope Only Solution

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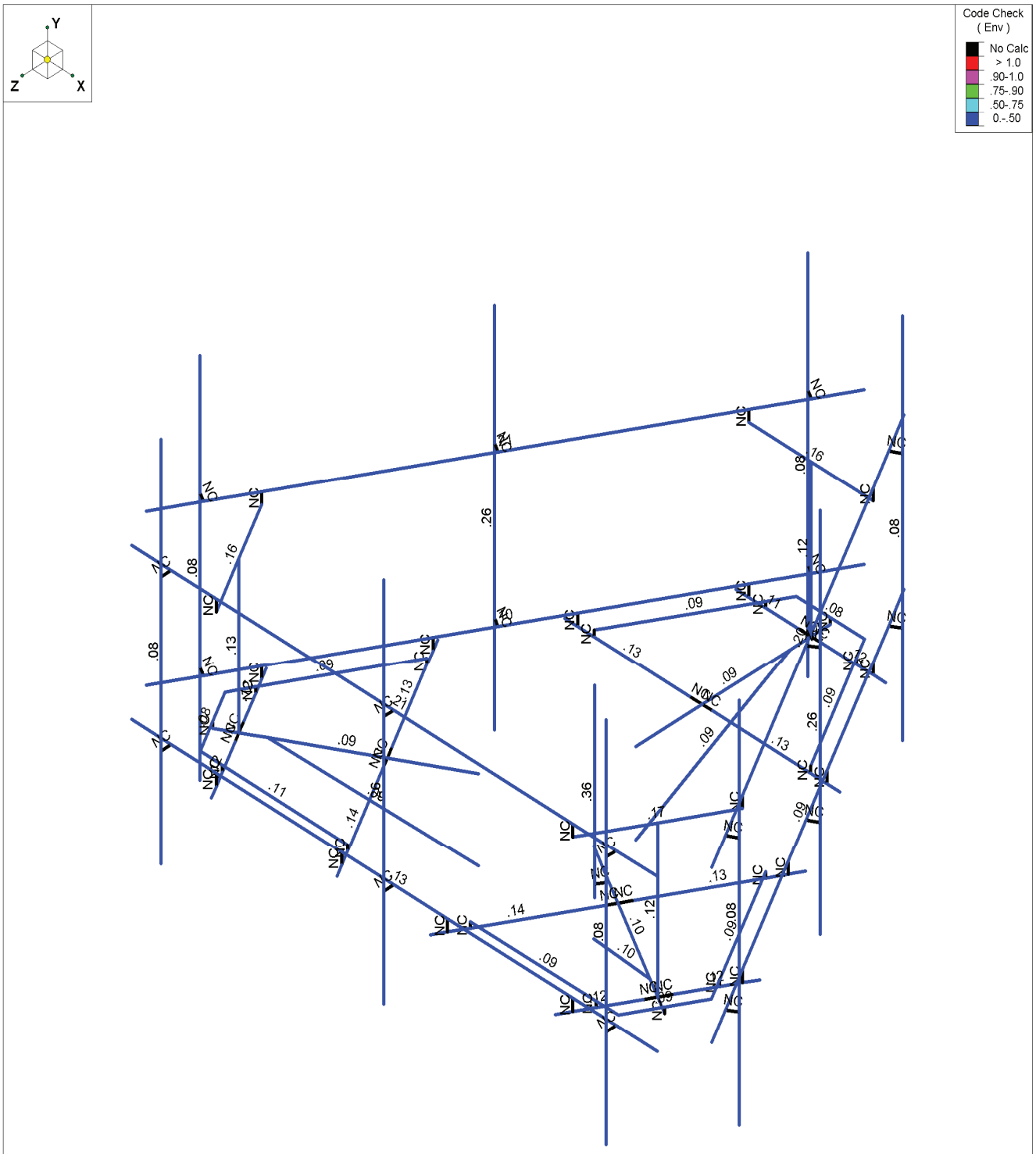
		Nov 21, 2023 at 3:31 PM
		5000382154-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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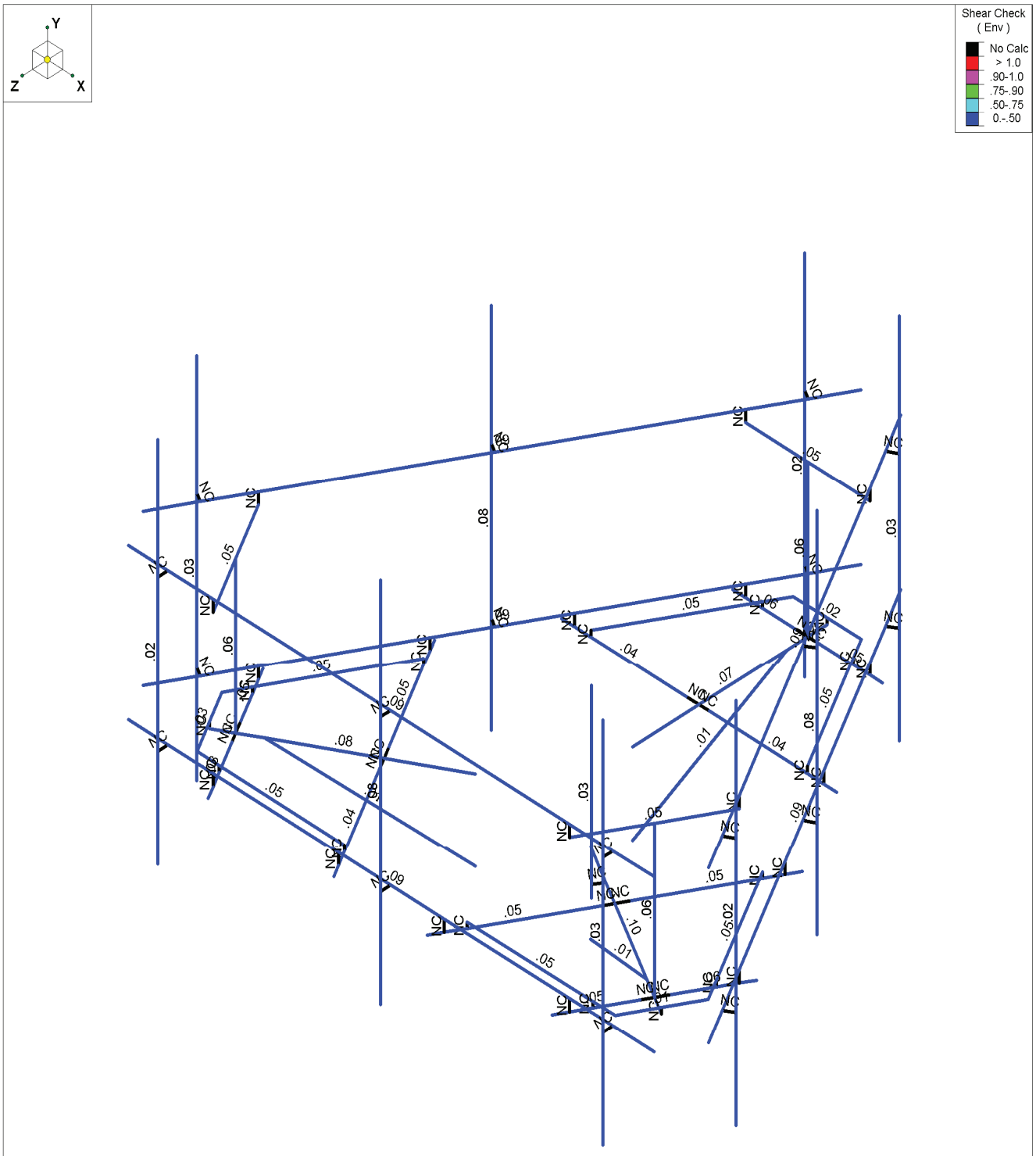
		5000382154-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		Nov 21, 2023 at 3:32 PM
		5000382154-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					87			
2	Antenna Di	None					87			
3	Antenna Wo (0 Deg)	None					87			
4	Antenna Wo (30 Deg)	None					87			
5	Antenna Wo (60 Deg)	None					87			
6	Antenna Wo (90 Deg)	None					87			
7	Antenna Wo (120 Deg)	None					87			
8	Antenna Wo (150 Deg)	None					87			
9	Antenna Wo (180 Deg)	None					87			
10	Antenna Wo (210 Deg)	None					87			
11	Antenna Wo (240 Deg)	None					87			
12	Antenna Wo (270 Deg)	None					87			
13	Antenna Wo (300 Deg)	None					87			
14	Antenna Wo (330 Deg)	None					87			
15	Antenna Wi (0 Deg)	None					87			
16	Antenna Wi (30 Deg)	None					87			
17	Antenna Wi (60 Deg)	None					87			
18	Antenna Wi (90 Deg)	None					87			
19	Antenna Wi (120 Deg)	None					87			
20	Antenna Wi (150 Deg)	None					87			
21	Antenna Wi (180 Deg)	None					87			
22	Antenna Wi (210 Deg)	None					87			
23	Antenna Wi (240 Deg)	None					87			
24	Antenna Wi (270 Deg)	None					87			
25	Antenna Wi (300 Deg)	None					87			
26	Antenna Wi (330 Deg)	None					87			
27	Antenna Wm (0 Deg)	None					87			
28	Antenna Wm (30 Deg)	None					87			
29	Antenna Wm (60 Deg)	None					87			
30	Antenna Wm (90 Deg)	None					87			
31	Antenna Wm (120 De...	None					87			
32	Antenna Wm (150 De...	None					87			
33	Antenna Wm (180 De...	None					87			
34	Antenna Wm (210 De...	None					87			
35	Antenna Wm (240 De...	None					87			
36	Antenna Wm (270 De...	None					87			
37	Antenna Wm (300 De...	None					87			
38	Antenna Wm (330 De...	None					87			
39	Structure D	None		-1					3	
40	Structure Di	None						49	3	
41	Structure Wo (0 Deg)	None						98		
42	Structure Wo (30 Deg)	None						98		
43	Structure Wo (60 Deg)	None						98		
44	Structure Wo (90 Deg)	None						98		
45	Structure Wo (120 D...	None						98		
46	Structure Wo (150 D...	None						98		
47	Structure Wo (180 D...	None						98		
48	Structure Wo (210 D...	None						98		
49	Structure Wo (240 D...	None						98		
50	Structure Wo (270 D...	None						98		
51	Structure Wo (300 D...	None						98		
52	Structure Wo (330 D...	None						98		
53	Structure Wi (0 Deg)	None						98		
54	Structure Wi (30 Deg)	None						98		
55	Structure Wi (60 Deg)	None						98		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
56	Structure Wi (90 Deg)	None						98		
57	Structure Wi (120 De...	None						98		
58	Structure Wi (150 De...	None						98		
59	Structure Wi (180 De...	None						98		
60	Structure Wi (210 De...	None						98		
61	Structure Wi (240 De...	None						98		
62	Structure Wi (270 De...	None						98		
63	Structure Wi (300 De...	None						98		
64	Structure Wi (330 De...	None						98		
65	Structure Wm (0 Deg)	None						98		
66	Structure Wm (30 De...	None						98		
67	Structure Wm (60 De...	None						98		
68	Structure Wm (90 De...	None						98		
69	Structure Wm (120 D...	None						98		
70	Structure Wm (150 D...	None						98		
71	Structure Wm (180 D...	None						98		
72	Structure Wm (210 D...	None						98		
73	Structure Wm (240 D...	None						98		
74	Structure Wm (270 D...	None						98		
75	Structure Wm (300 D...	None						98		
76	Structure Wm (330 D...	None						98		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					87			
82	Antenna Eh (0 Deg)	None					58			
83	Antenna Eh (90 Deg)	None					58			
84	Structure Ev	ELY							3	
85	Structure Eh (0 Deg)	ELZ			-.03				3	
86	Structure Eh (90 Deg)	ELX	.03						3	
87	BLC 39 Transient Are...	None						30		
88	BLC 40 Transient Are...	None						30		
89	BLC 84 Transient Are...	None								
90	BLC 85 Transient Are...	None						30		
91	BLC 86 Transient Are...	None						30		

Load Combinations

	Description	Sol...	PDe...	S...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								

Load Combinations (Continued)

	Description	Sol...	PDe...	S...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...	BLC	Fa...
19	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0...	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	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0Ev + 1.0Eh ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0Ev + 1.0Eh ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + 1.0Eh ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0Ev + 1.0Eh ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0Ev + 1.0Eh ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0Ev + 1.0Eh ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0Ev + 1.0Eh ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0Ev + 1.0Eh ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0Ev + 1.0Eh ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0Ev + 1.0Eh ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0Ev + 1.0Eh ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0Ev + 1.0Eh ...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N2	-64.518893	0	37.25	0	
2	N3	-32.908977	0	18.999979	0	
3	N4	-59.755796	0	34.499925	0	
4	CP	0	0	-0.0001	0	
5	N10	-48.346515	0	-7.738621	0	
6	N11	-17.471515	0	45.738448	0	
7	N12	-69.378318	1.5	28.833229	0	
8	N13	-59.659568	1.5	45.666598	0	
9	N14	-64.518893	1.5	37.25	0	
10	N15	-48.346515	1.5	-7.738621	0	
11	N16	-17.471515	1.5	45.738448	0	
12	N17	-15.11214	0	49.825005	0	
13	N18	-50.896428	0	49.844801	0	
14	N19	-50.70589	0	-11.825178	0	
15	N20	-68.615178	0	19.155026	0	
16	N21	-15.11214	3	49.825005	0	
17	N22	-50.896428	3	49.844801	0	
18	N23	-50.70589	3	-11.825178	0	
19	N24	-68.615178	3	19.155026	0	
20	N26	64.518861	0	37.249882	0	
21	N27	32.90895	0	18.999853	0	
22	N28	59.755721	0	34.499882	0	
23	N34	17.471415	0	45.738448	0	
24	N35	48.346415	0	-7.738621	0	
25	N36	59.659468	1.5	45.666598	0	
26	N37	69.378218	1.5	28.833229	0	
27	N38	64.518861	1.5	37.249882	0	
28	N39	17.471415	1.5	45.738448	0	
29	N40	48.346415	1.5	-7.738621	0	
30	N41	50.70579	0	-11.825178	0	
31	N42	68.615078	0	19.155026	0	
32	N43	15.11204	0	49.825005	0	
33	N44	50.896328	0	49.844801	0	
34	N45	50.70579	3	-11.825178	0	
35	N46	68.615078	3	19.155026	0	
36	N47	15.11204	3	49.825005	0	
37	N48	50.896328	3	49.844801	0	
38	N49	-0.00005	0	-19.000087	0	
39	N50	-0.	0	-74.500087	0	
40	N51	-0.00005	0	-38.000087	0	
41	N52	-0.00005	0	-69.000087	0	
42	N54	39.2187	0	-38.000087	0	
43	N55	-39.2188	0	-38.000087	0	
44	N56	21.3437	0	-69.000087	0	
45	N57	-21.3438	0	-69.000087	0	
46	N58	30.87495	0	-38.000087	0	
47	N59	-30.87505	0	-38.000087	0	
48	N60	9.7187	1.5	-74.500087	0	
49	N61	-9.7188	1.5	-74.500087	0	
50	N62	-0.	1.5	-74.500087	0	
51	N63	30.87495	1.5	-38.000087	0	
52	N64	-30.87505	1.5	-38.000087	0	
53	N65	-35.5938	0	-38.000087	0	
54	N66	-17.7188	0	-69.000087	0	
55	N67	35.5937	0	-38.000087	0	
56	N68	17.7187	0	-69.000087	0	
57	N69	-35.5938	3	-38.000087	0	
58	N70	-17.7188	3	-69.000087	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
59	N71	35.5937	3	-38.000087	0	
60	N72	17.7187	3	-69.000087	0	
61	N71A	5.66695	3	-89.87433	0	
62	N72A	80.66695	3	40.029481	0	
63	N75	-80.666928	3	40.029269	0	
64	N76	-5.666928	3	-89.874541	0	
65	N79	74.999828	3	49.844801	0	
66	N80	-75.000172	3	49.844801	0	
67	N92	74.999828	42.5	49.844801	0	
68	N93	-75.000172	42.5	49.844801	0	
69	N112	5.66695	42.5	-89.87433	0	
70	N113	80.66695	42.5	40.029481	0	
71	N132	-80.666928	42.5	40.029269	0	
72	N133	-5.666928	42.5	-89.874541	0	
73	N218	-63.7502	3	49.844801	0	
74	N219	63.2498	42.5	49.844801	0	
75	N220	-63.7502	3	52.719888	0	
76	N221	63.2498	42.5	52.719888	0	
77	N222	63.2498	-22.5	52.719888	0	
78	N223	63.2498	73.5	52.719888	0	
79	N254	-66.209142	1.5	23.322402	0	
80	N255	-53.302464	1.5	45.677424	0	
81	N253	-66.209142	0	23.322402	0	
82	N254A	-53.302464	0	45.677424	0	
83	N255A	53.302364	1.5	45.677424	0	
84	N256	66.209142	1.5	23.322576	0	
85	N257	53.302364	0	45.677598	0	
86	N258	66.209042	0	23.322576	0	
87	N259	12.906628	1.5	-69.000087	0	
88	N260	-12.906728	1.5	-69.000087	0	
89	N261	12.906778	0	-69.000087	0	
90	N262	-12.906578	0	-69.000087	0	
91	N236	2.99995	0	-38.000087	0	
92	N237	2.99995	0	-69.000087	0	
93	N238	-3.00005	0	-38.000087	0	
94	N239	-3.00005	0	-69.000087	0	
95	N234	-52.51839	0	-14.964347	0	
96	N235	-13.29964	0	52.96452	0	
97	N236A	-70.427678	0	16.015857	0	
98	N237A	-49.083928	0	52.984316	0	
99	N238A	-34.409015	0	16.40201	0	
100	N239A	-61.255803	0	31.90201	0	
101	N240	-31.409015	0	21.598163	0	
102	N241	-58.255803	0	37.098163	0	
103	N244	13.29969	0	52.964434	0	
104	N245	52.51844	0	-14.964434	0	
105	N246	49.083978	0	52.98423	0	
106	N247	70.427728	0	16.01577	0	
107	N248	31.409065	0	21.598076	0	
108	N249	58.255853	0	37.098076	0	
109	N250	34.409065	0	16.401924	0	
110	N251	61.255853	0	31.901924	0	
111	N217A	-0.00005	-21	-19.000087	0	
112	N218A	-0.00005	0	-63.000087	0	
113	N222A	59.755721	39.5	34.499882	0	
114	N223A	-0.	39.5	-69.000087	0	
115	N223B	-59.755796	39.5	34.499925	0	
116	N206B	-50.896428	39.5	49.844801	0	
117	N207B	-68.615178	39.5	19.155026	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
118	N208B	-50.896428	42.5	49.844801	0	
119	N209B	-68.615178	42.5	19.155026	0	
120	N210B	68.615078	39.5	19.155026	0	
121	N211B	50.896328	39.5	49.844801	0	
122	N212A	68.615078	42.5	19.155026	0	
123	N213A	50.896328	42.5	49.844801	0	
124	N214A	-17.7188	39.5	-69.000087	0	
125	N215B	17.7187	39.5	-69.000087	0	
126	N216B	-17.7188	42.5	-69.000087	0	
127	N217B	17.7187	42.5	-69.000087	0	
128	N164	-54.559506	0	31.499937	0	
129	N167	54.559507	0	31.499834	0	
130	N161A	-16.454446	0	9.499937	0	
131	N163A	-16.454446	-21	9.499937	0	
132	N166	16.454496	0	9.49985	0	
133	N168	16.454496	-21	9.49985	0	
134	N134	-0.2502	3	49.844801	0	
135	N135	-0.2502	42.5	49.844801	0	
136	N136	-0.2502	3	52.719888	0	
137	N137	-0.2502	42.5	52.719888	0	
138	N138	-0.2502	-22.5	52.719888	0	
139	N139	-0.2502	73.5	52.719888	0	
140	N140	63.2498	3	49.844801	0	
141	N141	-63.7502	42.5	49.844801	0	
142	N142	63.2498	3	52.719888	0	
143	N143	-63.7502	42.5	52.719888	0	
144	N144	-63.7502	-22.5	52.719888	0	
145	N145	-63.7502	73.5	52.719888	0	
146	N147	11.666996	3	-79.481946	0	
147	N148	11.666996	42.5	-79.481946	0	
148	N149	14.156949	3	-80.919521	0	
149	N150	14.156949	42.5	-80.919521	0	
150	N151	14.156949	-22.5	-80.919521	0	
151	N152	14.156949	73.5	-80.919521	0	
152	N153	43.791996	3	-23.839814	0	
153	N154	43.791996	42.5	-23.839814	0	
154	N155	46.281949	3	-25.277389	0	
155	N156	46.281949	42.5	-25.277389	0	
156	N157	46.281949	-22.5	-25.277389	0	
157	N158	46.281949	73.5	-25.277389	0	
158	N159	75.291996	3	30.719787	0	
159	N160	75.291996	42.5	30.719787	0	
160	N161	77.781949	3	29.282212	0	
161	N162	77.781949	42.5	29.282212	0	
162	N163	77.781949	-22.5	29.282212	0	
163	N164A	77.781949	73.5	29.282212	0	
164	N166A	-74.666871	3	29.636865	0	
165	N167A	-74.666871	42.5	29.636865	0	
166	N168A	-77.156749	3	28.199333	0	
167	N169	-77.156749	42.5	28.199333	0	
168	N170	-77.156749	-22.5	28.199333	0	
169	N171	-77.156749	73.5	28.199333	0	
170	N172	-43.916871	3	-23.623697	0	
171	N173	-43.916871	42.5	-23.623697	0	
172	N174	-46.406749	3	-25.061229	0	
173	N175	-46.406749	42.5	-25.061229	0	
174	N176	-46.406749	-22.5	-25.061229	0	
175	N177	-46.406749	73.5	-25.061229	0	
176	N178	-11.166871	3	-80.348361	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
177	N179	-11.166871	42.5	-80.348361	0	
178	N180	-13.656749	3	-81.785893	0	
179	N181	-13.656749	42.5	-81.785893	0	
180	N182	-13.656749	-22.5	-81.785893	0	
181	N183	-13.656749	73.5	-81.785893	0	
182	N184	26.846801	0	15.49985	0	
183	N185	25.346801	0	18.097926	0	
184	N186	25.346801	-3	18.097926	0	
185	N188	25.346801	45	18.097926	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Lower Standoff Arm	HSS6X3X4	Beam	Tube	A500 Gr. C	Typical	3.84	5.7	17	14.2
2	Lower Inner Cross Arm	HSS3X3X3	Beam	Tube	A500 Gr. C	Typical	1.89	2.46	2.46	4.03
3	Lower Outer Cross Arm	HSS3X3X4	Beam	Tube	A500 Gr. C	Typical	2.44	3.02	3.02	5.08
4	Grating Angle	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
5	Lower Face Horizontal	HSS3X3X3	Beam	Tube	A500 Gr. C	Typical	1.89	2.46	2.46	4.03
6	Handrail	PIPE_1.5	Beam	Pipe	A53 Gr.B	Typical	.749	.293	.293	.586
7	Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
8	Kicker Angles	LL2x2x4x3	Column	Double Angle (3/8...	A36 Gr.36	Typical	1.89	1.82	.692	.042
9	Vertical Pipe	PIPE_3.0	Column	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
10	Handrail Corner Plate	PL3/8X4 1/2	Beam	RECT	A36 Gr.36	Typical	1.594	.019	2.399	.071
11	Equipment Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	A500 Gr. C	29000	11154	.3	.65	.49	46	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	M6	N15	N12		270	Grating Angle	Beam	Single Angle	A36 Gr.36	Typical
2	M7	N12	N13		270	Grating Angle	Beam	Single Angle	A36 Gr.36	Typical
3	M8	N13	N16		270	Grating Angle	Beam	Single Angle	A36 Gr.36	Typical
4	M9	N10	N15	CP	340	RIGID	None	None	RIGID	Typical
5	M10	N11	N16	CP	20	RIGID	None	None	RIGID	Typical
6	M11	N2	N14	CP		RIGID	None	None	RIGID	Typical
7	M12	N19	N23			RIGID	None	None	RIGID	Typical
8	M13	N20	N24			RIGID	None	None	RIGID	Typical
9	M14	N18	N22			RIGID	None	None	RIGID	Typical
10	M15	N17	N21			RIGID	None	None	RIGID	Typical
11	M21	N39	N36		270	Grating Angle	Beam	Single Angle	A36 Gr.36	Typical
12	M22	N36	N37		270	Grating Angle	Beam	Single Angle	A36 Gr.36	Typical
13	M23	N37	N40		270	Grating Angle	Beam	Single Angle	A36 Gr.36	Typical
14	M24	N34	N39	CP	340	RIGID	None	None	RIGID	Typical
15	M25	N35	N40	CP	20	RIGID	None	None	RIGID	Typical
16	M26	N26	N38	CP		RIGID	None	None	RIGID	Typical
17	M27	N43	N47			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
18	M28	N44	N48			RIGID	None	None	RIGID	Typical
19	M29	N42	N46			RIGID	None	None	RIGID	Typical
20	M30	N41	N45			RIGID	None	None	RIGID	Typical
21	M31	N49	N50		90	Lower Standof...	Beam	Tube	A500 Gr. C	Typical
22	M32	N54	N236			Lower Inner Cr...	Beam	Tube	A500 Gr. C	Typical
23	M33	N55	N238			Lower Inner Cr...	Beam	Tube	A500 Gr. C	Typical
24	M34	N56	N237			Lower Outer C...	Beam	Tube	A500 Gr. C	Typical
25	M35	N57	N239			Lower Outer C...	Beam	Tube	A500 Gr. C	Typical
26	M36	N63	N60		270	Grating Angle	Beam	Single Angle	A36 Gr.36	Typical
27	M37	N60	N61		270	Grating Angle	Beam	Single Angle	A36 Gr.36	Typical
28	M38	N61	N64		270	Grating Angle	Beam	Single Angle	A36 Gr.36	Typical
29	M39	N58	N63	CP	340	RIGID	None	None	RIGID	Typical
30	M40	N59	N64	CP	20	RIGID	None	None	RIGID	Typical
31	M41	N50	N62	CP		RIGID	None	None	RIGID	Typical
32	M42	N67	N71			RIGID	None	None	RIGID	Typical
33	M43	N68	N72			RIGID	None	None	RIGID	Typical
34	M44	N66	N70			RIGID	None	None	RIGID	Typical
35	M45	N65	N69			RIGID	None	None	RIGID	Typical
36	M46	N72A	N71A			Lower Face H...	Beam	Tube	A500 Gr. C	Typical
37	M47	N76	N75			Lower Face H...	Beam	Tube	A500 Gr. C	Typical
38	M1	N79	N80			Lower Face H...	Beam	Tube	A500 Gr. C	Typical
39	M58	N93	N92			Handrail	Beam	Pipe	A53 Gr.B	Typical
40	M70	N113	N112			Handrail	Beam	Pipe	A53 Gr.B	Typical
41	M82	N133	N132			Handrail	Beam	Pipe	A53 Gr.B	Typical
42	M127	N218	N220			RIGID	None	None	RIGID	Typical
43	M128	N219	N221			RIGID	None	None	RIGID	Typical
44	MP1A	N223	N222			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
45	M130	N254A	N255	CP	50	RIGID	None	None	RIGID	Typical
46	M131	N253	N254	CP	310	RIGID	None	None	RIGID	Typical
47	M132	N258	N256	CP	50	RIGID	None	None	RIGID	Typical
48	M133	N257	N255A	CP	310	RIGID	None	None	RIGID	Typical
49	M134	N262	N260	CP	50	RIGID	None	None	RIGID	Typical
50	M135	N261	N259	CP	310	RIGID	None	None	RIGID	Typical
51	M136	N236	N51			RIGID	None	None	RIGID	Typical
52	M137	N238	N51			RIGID	None	None	RIGID	Typical
53	M138	N239	N52			RIGID	None	None	RIGID	Typical
54	M139	N237	N52			RIGID	None	None	RIGID	Typical
55	M132A	N234	N238A			Lower Inner Cr...	Beam	Tube	A500 Gr. C	Typical
56	M133A	N235	N240			Lower Inner Cr...	Beam	Tube	A500 Gr. C	Typical
57	M134A	N236A	N239A			Lower Outer C...	Beam	Tube	A500 Gr. C	Typical
58	M135A	N237A	N241			Lower Outer C...	Beam	Tube	A500 Gr. C	Typical
59	M136A	N238A	N3			RIGID	None	None	RIGID	Typical
60	M137A	N240	N3			RIGID	None	None	RIGID	Typical
61	M138A	N241	N4			RIGID	None	None	RIGID	Typical
62	M139A	N239A	N4			RIGID	None	None	RIGID	Typical
63	M140	N244	N248			Lower Inner Cr...	Beam	Tube	A500 Gr. C	Typical
64	M141	N245	N250			Lower Inner Cr...	Beam	Tube	A500 Gr. C	Typical
65	M142	N246	N249			Lower Outer C...	Beam	Tube	A500 Gr. C	Typical
66	M143	N247	N251			Lower Outer C...	Beam	Tube	A500 Gr. C	Typical
67	M144	N248	N27			RIGID	None	None	RIGID	Typical
68	M145	N250	N27			RIGID	None	None	RIGID	Typical
69	M146	N251	N28			RIGID	None	None	RIGID	Typical
70	M147	N249	N28			RIGID	None	None	RIGID	Typical
71	M125	N218A	N217A			Kicker Angles	Column	Double Angle (...	A36 Gr.36	Typical
72	M127A	N222A	N28			Vertical Pipe	Column	Pipe	A53 Gr.B	Typical
73	M128A	N223A	N52			Vertical Pipe	Column	Pipe	A53 Gr.B	Typical
74	M129	N223B	N4			Vertical Pipe	Column	Pipe	A53 Gr.B	Typical
75	M121B	N207B	N209B		240	RIGID	None	None	RIGID	Typical
76	M122B	N206B	N208B			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
77	M123	N211B	N213A			RIGID	None	None	RIGID	Typical
78	M124A	N210B	N212A		120	RIGID	None	None	RIGID	Typical
79	M125A	N215B	N217B		120	RIGID	None	None	RIGID	Typical
80	M126A	N214A	N216B		240	RIGID	None	None	RIGID	Typical
81	M127B	N210B	N211B		90	Handrail Corn...	Beam	RECT	A36 Gr.36	Typical
82	M128B	N207B	N206B		90	Handrail Corn...	Beam	RECT	A36 Gr.36	Typical
83	M129A	N214A	N215B		90	Handrail Corn...	Beam	RECT	A36 Gr.36	Typical
84	M99	N161A	N2		90	Lower Standof...	Beam	Tube	A500 Gr. C	Typical
85	M100A	N164	N163A			Kicker Angles	Column	Double Angle (...	A36 Gr.36	Typical
86	M101A	N166	N26		90	Lower Standof...	Beam	Tube	A500 Gr. C	Typical
87	M102	N167	N168			Kicker Angles	Column	Double Angle (...	A36 Gr.36	Typical
88	M88	N134	N136			RIGID	None	None	RIGID	Typical
89	M89	N135	N137			RIGID	None	None	RIGID	Typical
90	MP2A	N139	N138			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	M91	N140	N142			RIGID	None	None	RIGID	Typical
92	M92	N141	N143			RIGID	None	None	RIGID	Typical
93	MP3A	N145	N144			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	M94	N147	N149			RIGID	None	None	RIGID	Typical
95	M95	N148	N150			RIGID	None	None	RIGID	Typical
96	MP1C	N152	N151			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	M97	N153	N155			RIGID	None	None	RIGID	Typical
98	M98	N154	N156			RIGID	None	None	RIGID	Typical
99	MP2C	N158	N157			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N159	N161			RIGID	None	None	RIGID	Typical
101	M101	N160	N162			RIGID	None	None	RIGID	Typical
102	MP3C	N164A	N163			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	M103	N166A	N168A			RIGID	None	None	RIGID	Typical
104	M104	N167A	N169			RIGID	None	None	RIGID	Typical
105	MP1B	N171	N170			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
106	M106	N172	N174			RIGID	None	None	RIGID	Typical
107	M107	N173	N175			RIGID	None	None	RIGID	Typical
108	MP2B	N177	N176			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
109	M109	N178	N180			RIGID	None	None	RIGID	Typical
110	M110	N179	N181			RIGID	None	None	RIGID	Typical
111	MP3B	N183	N182			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
112	M113	N188	N186			Equipment Pipe	Column	Pipe	A53 Gr.B	Typical
113	M113A	N184	N185			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M6						Yes	Default			None
2	M7						Yes				None
3	M8						Yes	Default			None
4	M9		OOOOOO				Yes	** NA **			None
5	M10		OOOOOO				Yes	** NA **			None
6	M11		OOOOOO				Yes	** NA **			None
7	M12						Yes	** NA **			None
8	M13						Yes	** NA **			None
9	M14						Yes	** NA **			None
10	M15						Yes	** NA **			None
11	M21						Yes	Default			None
12	M22						Yes				None
13	M23						Yes	Default			None
14	M24		OOOOOO				Yes	** NA **			None
15	M25		OOOOOO				Yes	** NA **			None
16	M26		OOOOOO				Yes	** NA **			None
17	M27						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
18	M28						Yes	** NA **			None
19	M29						Yes	** NA **			None
20	M30						Yes	** NA **			None
21	M31						Yes	Default			None
22	M32						Yes				None
23	M33						Yes				None
24	M34						Yes				None
25	M35						Yes				None
26	M36						Yes	Default			None
27	M37						Yes				None
28	M38						Yes	Default			None
29	M39		OOOOOO				Yes	** NA **			None
30	M40		OOOOOO				Yes	** NA **			None
31	M41		OOOOOO				Yes	** NA **			None
32	M42						Yes	** NA **			None
33	M43						Yes	** NA **			None
34	M44						Yes	** NA **			None
35	M45						Yes	** NA **			None
36	M46						Yes				None
37	M47						Yes				None
38	M1						Yes				None
39	M58						Yes				None
40	M70						Yes				None
41	M82						Yes				None
42	M127						Yes	** NA **			None
43	M128						Yes	** NA **			None
44	MP1A						Yes	** NA **			None
45	M130		OOOOOO				Yes	** NA **			None
46	M131		OOOOOO				Yes	** NA **			None
47	M132		OOOOOO				Yes	** NA **			None
48	M133		OOOOOO				Yes	** NA **			None
49	M134		OOOOOO				Yes	** NA **			None
50	M135		OOOOOO				Yes	** NA **			None
51	M136						Yes	** NA **			None
52	M137						Yes	** NA **			None
53	M138						Yes	** NA **			None
54	M139						Yes	** NA **			None
55	M132A						Yes				None
56	M133A						Yes				None
57	M134A						Yes				None
58	M135A						Yes				None
59	M136A						Yes	** NA **			None
60	M137A						Yes	** NA **			None
61	M138A						Yes	** NA **			None
62	M139A						Yes	** NA **			None
63	M140						Yes				None
64	M141						Yes	Default			None
65	M142						Yes				None
66	M143						Yes				None
67	M144						Yes	** NA **			None
68	M145						Yes	** NA **			None
69	M146						Yes	** NA **			None
70	M147						Yes	** NA **			None
71	M125	BenPIN	BenPIN				Yes	** NA **			None
72	M127A						Yes	** NA **			None
73	M128A						Yes	** NA **			None
74	M129						Yes	** NA **			None
75	M121B		OOOOOO				Yes	** NA **			None
76	M122B		OOOOOO				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
77	M123		OOOOOO				Yes	** NA **			None
78	M124A		OOOOOO				Yes	** NA **			None
79	M125A		OOOOOO				Yes	** NA **			None
80	M126A		OOOOOO				Yes	** NA **			None
81	M127B						Yes				None
82	M128B						Yes				None
83	M129A						Yes	Default			None
84	M99						Yes	Default			None
85	M100A	BenPIN	BenPIN				Yes	** NA **			None
86	M101A						Yes	Default			None
87	M102	BenPIN	BenPIN				Yes	** NA **			None
88	M88						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	MP2A						Yes	** NA **			None
91	M91						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	MP3A						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	MP1C						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	MP2C						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	MP3C						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	MP1B						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	MP2B						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	MP3B						Yes	** NA **			None
112	M113						Yes	** NA **			None
113	M113A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Y	-21.85	18
2	MP2A	My	-.011	18
3	MP2A	Mz	-.013	18
4	MP2A	Y	-21.85	66
5	MP2A	My	-.011	66
6	MP2A	Mz	-.013	66
7	MP2B	Y	-21.85	18
8	MP2B	My	.017	18
9	MP2B	Mz	-.003	18
10	MP2B	Y	-21.85	66
11	MP2B	My	.017	66
12	MP2B	Mz	-.003	66
13	MP2C	Y	-21.85	18
14	MP2C	My	-.006	18
15	MP2C	Mz	.016	18
16	MP2C	Y	-21.85	66
17	MP2C	My	-.006	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
18	MP2C	Mz	.016	66
19	MP2A	Y	-32.3	18
20	MP2A	My	-.016	18
21	MP2A	Mz	.019	18
22	MP2A	Y	-32.3	66
23	MP2A	My	-.016	66
24	MP2A	Mz	.019	66
25	MP2B	Y	-32.3	18
26	MP2B	My	-.008	18
27	MP2B	Mz	-.023	18
28	MP2B	Y	-32.3	66
29	MP2B	My	-.008	66
30	MP2B	Mz	-.023	66
31	MP2C	Y	-32.3	18
32	MP2C	My	.024	18
33	MP2C	Mz	.005	18
34	MP2C	Y	-32.3	66
35	MP2C	My	.024	66
36	MP2C	Mz	.005	66
37	MP3A	Y	-28.65	30
38	MP3A	My	-.014	30
39	MP3A	Mz	0	30
40	MP3A	Y	-28.65	54
41	MP3A	My	-.014	54
42	MP3A	Mz	0	54
43	MP3B	Y	-28.65	30
44	MP3B	My	.007	30
45	MP3B	Mz	-.012	30
46	MP3B	Y	-28.65	54
47	MP3B	My	.007	54
48	MP3B	Mz	-.012	54
49	MP3C	Y	-28.65	30
50	MP3C	My	.007	30
51	MP3C	Mz	.012	30
52	MP3C	Y	-28.65	54
53	MP3C	My	.007	54
54	MP3C	Mz	.012	54
55	MP1A	Y	-74.7	45
56	MP1A	My	.037	45
57	MP1A	Mz	0	45
58	MP1B	Y	-74.7	45
59	MP1B	My	-.019	45
60	MP1B	Mz	.032	45
61	MP1C	Y	-74.7	45
62	MP1C	My	-.019	45
63	MP1C	Mz	-.032	45
64	MP2A	Y	-79.1	45
65	MP2A	My	.04	45
66	MP2A	Mz	0	45
67	MP2B	Y	-79.1	45
68	MP2B	My	-.02	45
69	MP2B	Mz	.034	45
70	MP2C	Y	-79.1	45
71	MP2C	My	-.02	45
72	MP2C	Mz	-.034	45
73	MP2A	Y	-15.4	84
74	MP2A	My	.008	84
75	MP2A	Mz	0	84
76	MP2B	Y	-15.4	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
77	MP2B	My	-.004	84
78	MP2B	Mz	.007	84
79	MP2C	Y	-15.4	84
80	MP2C	My	-.004	84
81	MP2C	Mz	-.007	84
82	M113	Y	-32	12
83	M113	My	0	12
84	M113	Mz	0	12
85	M113	Y	-32	12
86	M113	My	0	12
87	M113	Mz	0	12

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Y	-58.238	18
2	MP2A	My	-.029	18
3	MP2A	Mz	-.034	18
4	MP2A	Y	-58.238	66
5	MP2A	My	-.029	66
6	MP2A	Mz	-.034	66
7	MP2B	Y	-58.238	18
8	MP2B	My	.044	18
9	MP2B	Mz	-.008	18
10	MP2B	Y	-58.238	66
11	MP2B	My	.044	66
12	MP2B	Mz	-.008	66
13	MP2C	Y	-58.238	18
14	MP2C	My	-.015	18
15	MP2C	Mz	.042	18
16	MP2C	Y	-58.238	66
17	MP2C	My	-.015	66
18	MP2C	Mz	.042	66
19	MP2A	Y	-58.238	18
20	MP2A	My	-.029	18
21	MP2A	Mz	.034	18
22	MP2A	Y	-58.238	66
23	MP2A	My	-.029	66
24	MP2A	Mz	.034	66
25	MP2B	Y	-58.238	18
26	MP2B	My	-.015	18
27	MP2B	Mz	-.042	18
28	MP2B	Y	-58.238	66
29	MP2B	My	-.015	66
30	MP2B	Mz	-.042	66
31	MP2C	Y	-58.238	18
32	MP2C	My	.044	18
33	MP2C	Mz	.008	18
34	MP2C	Y	-58.238	66
35	MP2C	My	.044	66
36	MP2C	Mz	.008	66
37	MP3A	Y	-28.605	30
38	MP3A	My	-.014	30
39	MP3A	Mz	0	30
40	MP3A	Y	-28.605	54
41	MP3A	My	-.014	54
42	MP3A	Mz	0	54
43	MP3B	Y	-28.605	30
44	MP3B	My	.007	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
45	MP3B	Mz	-.012	30
46	MP3B	Y	-28.605	54
47	MP3B	My	.007	54
48	MP3B	Mz	-.012	54
49	MP3C	Y	-28.605	30
50	MP3C	My	.007	30
51	MP3C	Mz	.012	30
52	MP3C	Y	-28.605	54
53	MP3C	My	.007	54
54	MP3C	Mz	.012	54
55	MP1A	Y	-43.117	45
56	MP1A	My	.022	45
57	MP1A	Mz	0	45
58	MP1B	Y	-43.117	45
59	MP1B	My	-.011	45
60	MP1B	Mz	.019	45
61	MP1C	Y	-43.117	45
62	MP1C	My	-.011	45
63	MP1C	Mz	-.019	45
64	MP2A	Y	-43.575	45
65	MP2A	My	.022	45
66	MP2A	Mz	0	45
67	MP2B	Y	-43.575	45
68	MP2B	My	-.011	45
69	MP2B	Mz	.019	45
70	MP2C	Y	-43.575	45
71	MP2C	My	-.011	45
72	MP2C	Mz	-.019	45
73	MP2A	Y	-15.961	84
74	MP2A	My	.008	84
75	MP2A	Mz	0	84
76	MP2B	Y	-15.961	84
77	MP2B	My	-.004	84
78	MP2B	Mz	.007	84
79	MP2C	Y	-15.961	84
80	MP2C	My	-.004	84
81	MP2C	Mz	-.007	84
82	M113	Y	-84.526	12
83	M113	My	0	12
84	M113	Mz	0	12
85	M113	Y	-84.526	12
86	M113	My	0	12
87	M113	Mz	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	18
2	MP2A	Z	-95.813	18
3	MP2A	Mx	.056	18
4	MP2A	X	0	66
5	MP2A	Z	-95.813	66
6	MP2A	Mx	.056	66
7	MP2B	X	0	18
8	MP2B	Z	-54.788	18
9	MP2B	Mx	.008	18
10	MP2B	X	0	66
11	MP2B	Z	-54.788	66
12	MP2B	Mx	.008	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP2C	X	0	18
14	MP2C	Z	-54.788	18
15	MP2C	Mx	-.04	18
16	MP2C	X	0	66
17	MP2C	Z	-54.788	66
18	MP2C	Mx	-.04	66
19	MP2A	X	0	18
20	MP2A	Z	-142.043	18
21	MP2A	Mx	-.083	18
22	MP2A	X	0	66
23	MP2A	Z	-142.043	66
24	MP2A	Mx	-.083	66
25	MP2B	X	0	18
26	MP2B	Z	-106.202	18
27	MP2B	Mx	.077	18
28	MP2B	X	0	66
29	MP2B	Z	-106.202	66
30	MP2B	Mx	.077	66
31	MP2C	X	0	18
32	MP2C	Z	-106.202	18
33	MP2C	Mx	-.015	18
34	MP2C	X	0	66
35	MP2C	Z	-106.202	66
36	MP2C	Mx	-.015	66
37	MP3A	X	0	30
38	MP3A	Z	-66.875	30
39	MP3A	Mx	0	30
40	MP3A	X	0	54
41	MP3A	Z	-66.875	54
42	MP3A	Mx	0	54
43	MP3B	X	0	30
44	MP3B	Z	-36.036	30
45	MP3B	Mx	.016	30
46	MP3B	X	0	54
47	MP3B	Z	-36.036	54
48	MP3B	Mx	.016	54
49	MP3C	X	0	30
50	MP3C	Z	-36.036	30
51	MP3C	Mx	-.016	30
52	MP3C	X	0	54
53	MP3C	Z	-36.036	54
54	MP3C	Mx	-.016	54
55	MP1A	X	0	45
56	MP1A	Z	-54.7	45
57	MP1A	Mx	0	45
58	MP1B	X	0	45
59	MP1B	Z	-41.201	45
60	MP1B	Mx	-.018	45
61	MP1C	X	0	45
62	MP1C	Z	-41.201	45
63	MP1C	Mx	.018	45
64	MP2A	X	0	45
65	MP2A	Z	-65.993	45
66	MP2A	Mx	0	45
67	MP2B	X	0	45
68	MP2B	Z	-50.244	45
69	MP2B	Mx	-.022	45
70	MP2C	X	0	45
71	MP2C	Z	-50.244	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
72	MP2C	Mx	.022	45
73	MP2A	X	0	84
74	MP2A	Z	-30.35	84
75	MP2A	Mx	0	84
76	MP2B	X	0	84
77	MP2B	Z	-17.227	84
78	MP2B	Mx	-.007	84
79	MP2C	X	0	84
80	MP2C	Z	-17.227	84
81	MP2C	Mx	.007	84
82	M113	X	0	12
83	M113	Z	-105.165	12
84	M113	Mx	0	12
85	M113	X	0	12
86	M113	Z	-105.165	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	41.069	18
2	MP2A	Z	-71.134	18
3	MP2A	Mx	.021	18
4	MP2A	X	41.069	66
5	MP2A	Z	-71.134	66
6	MP2A	Mx	.021	66
7	MP2B	X	20.557	18
8	MP2B	Z	-35.605	18
9	MP2B	Mx	.021	18
10	MP2B	X	20.557	66
11	MP2B	Z	-35.605	66
12	MP2B	Mx	.021	66
13	MP2C	X	41.069	18
14	MP2C	Z	-71.134	18
15	MP2C	Mx	-.062	18
16	MP2C	X	41.069	66
17	MP2C	Z	-71.134	66
18	MP2C	Mx	-.062	66
19	MP2A	X	65.048	18
20	MP2A	Z	-112.666	18
21	MP2A	Mx	-.098	18
22	MP2A	X	65.048	66
23	MP2A	Z	-112.666	66
24	MP2A	Mx	-.098	66
25	MP2B	X	47.127	18
26	MP2B	Z	-81.627	18
27	MP2B	Mx	.047	18
28	MP2B	X	47.127	66
29	MP2B	Z	-81.627	66
30	MP2B	Mx	.047	66
31	MP2C	X	65.048	18
32	MP2C	Z	-112.666	18
33	MP2C	Mx	.033	18
34	MP2C	X	65.048	66
35	MP2C	Z	-112.666	66
36	MP2C	Mx	.033	66
37	MP3A	X	28.298	30
38	MP3A	Z	-49.013	30
39	MP3A	Mx	-.014	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
40	MP3A	X	28.298	54
41	MP3A	Z	-49.013	54
42	MP3A	Mx	-.014	54
43	MP3B	X	12.878	30
44	MP3B	Z	-22.306	30
45	MP3B	Mx	.013	30
46	MP3B	X	12.878	54
47	MP3B	Z	-22.306	54
48	MP3B	Mx	.013	54
49	MP3C	X	28.298	30
50	MP3C	Z	-49.013	30
51	MP3C	Mx	-.014	30
52	MP3C	X	28.298	54
53	MP3C	Z	-49.013	54
54	MP3C	Mx	-.014	54
55	MP1A	X	25.1	45
56	MP1A	Z	-43.475	45
57	MP1A	Mx	.013	45
58	MP1B	X	18.351	45
59	MP1B	Z	-31.785	45
60	MP1B	Mx	-.018	45
61	MP1C	X	25.1	45
62	MP1C	Z	-43.475	45
63	MP1C	Mx	.013	45
64	MP2A	X	30.372	45
65	MP2A	Z	-52.605	45
66	MP2A	Mx	.015	45
67	MP2B	X	22.498	45
68	MP2B	Z	-38.967	45
69	MP2B	Mx	-.022	45
70	MP2C	X	30.372	45
71	MP2C	Z	-52.605	45
72	MP2C	Mx	.015	45
73	MP2A	X	12.988	84
74	MP2A	Z	-22.495	84
75	MP2A	Mx	.006	84
76	MP2B	X	6.426	84
77	MP2B	Z	-11.131	84
78	MP2B	Mx	-.006	84
79	MP2C	X	12.988	84
80	MP2C	Z	-22.495	84
81	MP2C	Mx	.006	84
82	M113	X	45.877	12
83	M113	Z	-79.462	12
84	M113	Mx	0	12
85	M113	X	45.877	12
86	M113	Z	-79.462	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	47.448	18
2	MP2A	Z	-27.394	18
3	MP2A	Mx	-.008	18
4	MP2A	X	47.448	66
5	MP2A	Z	-27.394	66
6	MP2A	Mx	-.008	66
7	MP2B	X	47.448	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
8	MP2B	Z	-27.394	18
9	MP2B	Mx	.04	18
10	MP2B	X	47.448	66
11	MP2B	Z	-27.394	66
12	MP2B	Mx	.04	66
13	MP2C	X	82.977	18
14	MP2C	Z	-47.907	18
15	MP2C	Mx	-.056	18
16	MP2C	X	82.977	66
17	MP2C	Z	-47.907	66
18	MP2C	Mx	-.056	66
19	MP2A	X	91.973	18
20	MP2A	Z	-53.101	18
21	MP2A	Mx	-.077	18
22	MP2A	X	91.973	66
23	MP2A	Z	-53.101	66
24	MP2A	Mx	-.077	66
25	MP2B	X	91.973	18
26	MP2B	Z	-53.101	18
27	MP2B	Mx	.015	18
28	MP2B	X	91.973	66
29	MP2B	Z	-53.101	66
30	MP2B	Mx	.015	66
31	MP2C	X	123.013	18
32	MP2C	Z	-71.022	18
33	MP2C	Mx	.083	18
34	MP2C	X	123.013	66
35	MP2C	Z	-71.022	66
36	MP2C	Mx	.083	66
37	MP3A	X	31.208	30
38	MP3A	Z	-18.018	30
39	MP3A	Mx	-.016	30
40	MP3A	X	31.208	54
41	MP3A	Z	-18.018	54
42	MP3A	Mx	-.016	54
43	MP3B	X	31.208	30
44	MP3B	Z	-18.018	30
45	MP3B	Mx	.016	30
46	MP3B	X	31.208	54
47	MP3B	Z	-18.018	54
48	MP3B	Mx	.016	54
49	MP3C	X	57.915	30
50	MP3C	Z	-33.438	30
51	MP3C	Mx	0	30
52	MP3C	X	57.915	54
53	MP3C	Z	-33.438	54
54	MP3C	Mx	0	54
55	MP1A	X	35.681	45
56	MP1A	Z	-20.601	45
57	MP1A	Mx	.018	45
58	MP1B	X	35.681	45
59	MP1B	Z	-20.601	45
60	MP1B	Mx	-.018	45
61	MP1C	X	47.371	45
62	MP1C	Z	-27.35	45
63	MP1C	Mx	0	45
64	MP2A	X	43.513	45
65	MP2A	Z	-25.122	45
66	MP2A	Mx	.022	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
67	MP2B	X	43.513	45
68	MP2B	Z	-25.122	45
69	MP2B	Mx	-.022	45
70	MP2C	X	57.151	45
71	MP2C	Z	-32.996	45
72	MP2C	Mx	0	45
73	MP2A	X	14.919	84
74	MP2A	Z	-8.613	84
75	MP2A	Mx	.007	84
76	MP2B	X	14.919	84
77	MP2B	Z	-8.613	84
78	MP2B	Mx	-.007	84
79	MP2C	X	26.284	84
80	MP2C	Z	-15.175	84
81	MP2C	Mx	0	84
82	M113	X	73.655	12
83	M113	Z	-42.525	12
84	M113	Mx	0	12
85	M113	X	73.655	12
86	M113	Z	-42.525	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	41.113	18
2	MP2A	Z	0	18
3	MP2A	Mx	-.021	18
4	MP2A	X	41.113	66
5	MP2A	Z	0	66
6	MP2A	Mx	-.021	66
7	MP2B	X	82.138	18
8	MP2B	Z	0	18
9	MP2B	Mx	.062	18
10	MP2B	X	82.138	66
11	MP2B	Z	0	66
12	MP2B	Mx	.062	66
13	MP2C	X	82.138	18
14	MP2C	Z	0	18
15	MP2C	Mx	-.021	18
16	MP2C	X	82.138	66
17	MP2C	Z	0	66
18	MP2C	Mx	-.021	66
19	MP2A	X	94.254	18
20	MP2A	Z	0	18
21	MP2A	Mx	-.047	18
22	MP2A	X	94.254	66
23	MP2A	Z	0	66
24	MP2A	Mx	-.047	66
25	MP2B	X	130.096	18
26	MP2B	Z	0	18
27	MP2B	Mx	-.033	18
28	MP2B	X	130.096	66
29	MP2B	Z	0	66
30	MP2B	Mx	-.033	66
31	MP2C	X	130.096	18
32	MP2C	Z	0	18
33	MP2C	Mx	.098	18
34	MP2C	X	130.096	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
35	MP2C	Z	0	66
36	MP2C	Mx	.098	66
37	MP3A	X	25.757	30
38	MP3A	Z	0	30
39	MP3A	Mx	-.013	30
40	MP3A	X	25.757	54
41	MP3A	Z	0	54
42	MP3A	Mx	-.013	54
43	MP3B	X	56.595	30
44	MP3B	Z	0	30
45	MP3B	Mx	.014	30
46	MP3B	X	56.595	54
47	MP3B	Z	0	54
48	MP3B	Mx	.014	54
49	MP3C	X	56.595	30
50	MP3C	Z	0	30
51	MP3C	Mx	.014	30
52	MP3C	X	56.595	54
53	MP3C	Z	0	54
54	MP3C	Mx	.014	54
55	MP1A	X	36.702	45
56	MP1A	Z	0	45
57	MP1A	Mx	.018	45
58	MP1B	X	50.2	45
59	MP1B	Z	0	45
60	MP1B	Mx	-.013	45
61	MP1C	X	50.2	45
62	MP1C	Z	0	45
63	MP1C	Mx	-.013	45
64	MP2A	X	44.995	45
65	MP2A	Z	0	45
66	MP2A	Mx	.022	45
67	MP2B	X	60.743	45
68	MP2B	Z	0	45
69	MP2B	Mx	-.015	45
70	MP2C	X	60.743	45
71	MP2C	Z	0	45
72	MP2C	Mx	-.015	45
73	MP2A	X	12.853	84
74	MP2A	Z	0	84
75	MP2A	Mx	.006	84
76	MP2B	X	25.975	84
77	MP2B	Z	0	84
78	MP2B	Mx	-.006	84
79	MP2C	X	25.975	84
80	MP2C	Z	0	84
81	MP2C	Mx	-.006	84
82	M113	X	91.755	12
83	M113	Z	0	12
84	M113	Mx	0	12
85	M113	X	91.755	12
86	M113	Z	0	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	47.448	18
2	MP2A	Z	27.394	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
3	MP2A	Mx	-.04	18
4	MP2A	X	47.448	66
5	MP2A	Z	27.394	66
6	MP2A	Mx	-.04	66
7	MP2B	X	82.977	18
8	MP2B	Z	47.907	18
9	MP2B	Mx	.056	18
10	MP2B	X	82.977	66
11	MP2B	Z	47.907	66
12	MP2B	Mx	.056	66
13	MP2C	X	47.448	18
14	MP2C	Z	27.394	18
15	MP2C	Mx	.008	18
16	MP2C	X	47.448	66
17	MP2C	Z	27.394	66
18	MP2C	Mx	.008	66
19	MP2A	X	91.973	18
20	MP2A	Z	53.101	18
21	MP2A	Mx	-.015	18
22	MP2A	X	91.973	66
23	MP2A	Z	53.101	66
24	MP2A	Mx	-.015	66
25	MP2B	X	123.013	18
26	MP2B	Z	71.022	18
27	MP2B	Mx	-.083	18
28	MP2B	X	123.013	66
29	MP2B	Z	71.022	66
30	MP2B	Mx	-.083	66
31	MP2C	X	91.973	18
32	MP2C	Z	53.101	18
33	MP2C	Mx	.077	18
34	MP2C	X	91.973	66
35	MP2C	Z	53.101	66
36	MP2C	Mx	.077	66
37	MP3A	X	31.208	30
38	MP3A	Z	18.018	30
39	MP3A	Mx	-.016	30
40	MP3A	X	31.208	54
41	MP3A	Z	18.018	54
42	MP3A	Mx	-.016	54
43	MP3B	X	57.915	30
44	MP3B	Z	33.438	30
45	MP3B	Mx	0	30
46	MP3B	X	57.915	54
47	MP3B	Z	33.438	54
48	MP3B	Mx	0	54
49	MP3C	X	31.208	30
50	MP3C	Z	18.018	30
51	MP3C	Mx	.016	30
52	MP3C	X	31.208	54
53	MP3C	Z	18.018	54
54	MP3C	Mx	.016	54
55	MP1A	X	35.681	45
56	MP1A	Z	20.601	45
57	MP1A	Mx	.018	45
58	MP1B	X	47.371	45
59	MP1B	Z	27.35	45
60	MP1B	Mx	0	45
61	MP1C	X	35.681	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
62	MP1C	Z	20.601	45
63	MP1C	Mx	-.018	45
64	MP2A	X	43.513	45
65	MP2A	Z	25.122	45
66	MP2A	Mx	.022	45
67	MP2B	X	57.151	45
68	MP2B	Z	32.996	45
69	MP2B	Mx	0	45
70	MP2C	X	43.513	45
71	MP2C	Z	25.122	45
72	MP2C	Mx	-.022	45
73	MP2A	X	14.919	84
74	MP2A	Z	8.613	84
75	MP2A	Mx	.007	84
76	MP2B	X	26.284	84
77	MP2B	Z	15.175	84
78	MP2B	Mx	0	84
79	MP2C	X	14.919	84
80	MP2C	Z	8.613	84
81	MP2C	Mx	-.007	84
82	M113	X	91.076	12
83	M113	Z	52.582	12
84	M113	Mx	0	12
85	M113	X	91.076	12
86	M113	Z	52.582	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	41.069	18
2	MP2A	Z	71.134	18
3	MP2A	Mx	-.062	18
4	MP2A	X	41.069	66
5	MP2A	Z	71.134	66
6	MP2A	Mx	-.062	66
7	MP2B	X	41.069	18
8	MP2B	Z	71.134	18
9	MP2B	Mx	.021	18
10	MP2B	X	41.069	66
11	MP2B	Z	71.134	66
12	MP2B	Mx	.021	66
13	MP2C	X	20.557	18
14	MP2C	Z	35.605	18
15	MP2C	Mx	.021	18
16	MP2C	X	20.557	66
17	MP2C	Z	35.605	66
18	MP2C	Mx	.021	66
19	MP2A	X	65.048	18
20	MP2A	Z	112.666	18
21	MP2A	Mx	.033	18
22	MP2A	X	65.048	66
23	MP2A	Z	112.666	66
24	MP2A	Mx	.033	66
25	MP2B	X	65.048	18
26	MP2B	Z	112.666	18
27	MP2B	Mx	-.098	18
28	MP2B	X	65.048	66
29	MP2B	Z	112.666	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
30	MP2B	Mx	-.098	66
31	MP2C	X	47.127	18
32	MP2C	Z	81.627	18
33	MP2C	Mx	.047	18
34	MP2C	X	47.127	66
35	MP2C	Z	81.627	66
36	MP2C	Mx	.047	66
37	MP3A	X	28.298	30
38	MP3A	Z	49.013	30
39	MP3A	Mx	-.014	30
40	MP3A	X	28.298	54
41	MP3A	Z	49.013	54
42	MP3A	Mx	-.014	54
43	MP3B	X	28.298	30
44	MP3B	Z	49.013	30
45	MP3B	Mx	-.014	30
46	MP3B	X	28.298	54
47	MP3B	Z	49.013	54
48	MP3B	Mx	-.014	54
49	MP3C	X	12.878	30
50	MP3C	Z	22.306	30
51	MP3C	Mx	.013	30
52	MP3C	X	12.878	54
53	MP3C	Z	22.306	54
54	MP3C	Mx	.013	54
55	MP1A	X	25.1	45
56	MP1A	Z	43.475	45
57	MP1A	Mx	.013	45
58	MP1B	X	25.1	45
59	MP1B	Z	43.475	45
60	MP1B	Mx	.013	45
61	MP1C	X	18.351	45
62	MP1C	Z	31.785	45
63	MP1C	Mx	-.018	45
64	MP2A	X	30.372	45
65	MP2A	Z	52.605	45
66	MP2A	Mx	.015	45
67	MP2B	X	30.372	45
68	MP2B	Z	52.605	45
69	MP2B	Mx	.015	45
70	MP2C	X	22.498	45
71	MP2C	Z	38.967	45
72	MP2C	Mx	-.022	45
73	MP2A	X	12.988	84
74	MP2A	Z	22.495	84
75	MP2A	Mx	.006	84
76	MP2B	X	12.988	84
77	MP2B	Z	22.495	84
78	MP2B	Mx	.006	84
79	MP2C	X	6.426	84
80	MP2C	Z	11.131	84
81	MP2C	Mx	-.006	84
82	M113	X	55.935	12
83	M113	Z	96.882	12
84	M113	Mx	0	12
85	M113	X	55.935	12
86	M113	Z	96.882	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	18
2	MP2A	Z	95.813	18
3	MP2A	Mx	-.056	18
4	MP2A	X	0	66
5	MP2A	Z	95.813	66
6	MP2A	Mx	-.056	66
7	MP2B	X	0	18
8	MP2B	Z	54.788	18
9	MP2B	Mx	-.008	18
10	MP2B	X	0	66
11	MP2B	Z	54.788	66
12	MP2B	Mx	-.008	66
13	MP2C	X	0	18
14	MP2C	Z	54.788	18
15	MP2C	Mx	.04	18
16	MP2C	X	0	66
17	MP2C	Z	54.788	66
18	MP2C	Mx	.04	66
19	MP2A	X	0	18
20	MP2A	Z	142.043	18
21	MP2A	Mx	.083	18
22	MP2A	X	0	66
23	MP2A	Z	142.043	66
24	MP2A	Mx	.083	66
25	MP2B	X	0	18
26	MP2B	Z	106.202	18
27	MP2B	Mx	-.077	18
28	MP2B	X	0	66
29	MP2B	Z	106.202	66
30	MP2B	Mx	-.077	66
31	MP2C	X	0	18
32	MP2C	Z	106.202	18
33	MP2C	Mx	.015	18
34	MP2C	X	0	66
35	MP2C	Z	106.202	66
36	MP2C	Mx	.015	66
37	MP3A	X	0	30
38	MP3A	Z	66.875	30
39	MP3A	Mx	0	30
40	MP3A	X	0	54
41	MP3A	Z	66.875	54
42	MP3A	Mx	0	54
43	MP3B	X	0	30
44	MP3B	Z	36.036	30
45	MP3B	Mx	-.016	30
46	MP3B	X	0	54
47	MP3B	Z	36.036	54
48	MP3B	Mx	-.016	54
49	MP3C	X	0	30
50	MP3C	Z	36.036	30
51	MP3C	Mx	.016	30
52	MP3C	X	0	54
53	MP3C	Z	36.036	54
54	MP3C	Mx	.016	54
55	MP1A	X	0	45
56	MP1A	Z	54.7	45
57	MP1A	Mx	0	45
58	MP1B	X	0	45
59	MP1B	Z	41.201	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
60	MP1B	Mx	.018	45
61	MP1C	X	0	45
62	MP1C	Z	41.201	45
63	MP1C	Mx	-.018	45
64	MP2A	X	0	45
65	MP2A	Z	65.993	45
66	MP2A	Mx	0	45
67	MP2B	X	0	45
68	MP2B	Z	50.244	45
69	MP2B	Mx	.022	45
70	MP2C	X	0	45
71	MP2C	Z	50.244	45
72	MP2C	Mx	-.022	45
73	MP2A	X	0	84
74	MP2A	Z	30.35	84
75	MP2A	Mx	0	84
76	MP2B	X	0	84
77	MP2B	Z	17.227	84
78	MP2B	Mx	.007	84
79	MP2C	X	0	84
80	MP2C	Z	17.227	84
81	MP2C	Mx	-.007	84
82	M113	X	0	12
83	M113	Z	105.165	12
84	M113	Mx	0	12
85	M113	X	0	12
86	M113	Z	105.165	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-41.069	18
2	MP2A	Z	71.134	18
3	MP2A	Mx	-.021	18
4	MP2A	X	-41.069	66
5	MP2A	Z	71.134	66
6	MP2A	Mx	-.021	66
7	MP2B	X	-20.557	18
8	MP2B	Z	35.605	18
9	MP2B	Mx	-.021	18
10	MP2B	X	-20.557	66
11	MP2B	Z	35.605	66
12	MP2B	Mx	-.021	66
13	MP2C	X	-41.069	18
14	MP2C	Z	71.134	18
15	MP2C	Mx	.062	18
16	MP2C	X	-41.069	66
17	MP2C	Z	71.134	66
18	MP2C	Mx	.062	66
19	MP2A	X	-65.048	18
20	MP2A	Z	112.666	18
21	MP2A	Mx	.098	18
22	MP2A	X	-65.048	66
23	MP2A	Z	112.666	66
24	MP2A	Mx	.098	66
25	MP2B	X	-47.127	18
26	MP2B	Z	81.627	18
27	MP2B	Mx	-.047	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
28	MP2B	X	-47.127	66
29	MP2B	Z	81.627	66
30	MP2B	Mx	-.047	66
31	MP2C	X	-65.048	18
32	MP2C	Z	112.666	18
33	MP2C	Mx	-.033	18
34	MP2C	X	-65.048	66
35	MP2C	Z	112.666	66
36	MP2C	Mx	-.033	66
37	MP3A	X	-28.298	30
38	MP3A	Z	49.013	30
39	MP3A	Mx	.014	30
40	MP3A	X	-28.298	54
41	MP3A	Z	49.013	54
42	MP3A	Mx	.014	54
43	MP3B	X	-12.878	30
44	MP3B	Z	22.306	30
45	MP3B	Mx	-.013	30
46	MP3B	X	-12.878	54
47	MP3B	Z	22.306	54
48	MP3B	Mx	-.013	54
49	MP3C	X	-28.298	30
50	MP3C	Z	49.013	30
51	MP3C	Mx	.014	30
52	MP3C	X	-28.298	54
53	MP3C	Z	49.013	54
54	MP3C	Mx	.014	54
55	MP1A	X	-25.1	45
56	MP1A	Z	43.475	45
57	MP1A	Mx	-.013	45
58	MP1B	X	-18.351	45
59	MP1B	Z	31.785	45
60	MP1B	Mx	.018	45
61	MP1C	X	-25.1	45
62	MP1C	Z	43.475	45
63	MP1C	Mx	-.013	45
64	MP2A	X	-30.372	45
65	MP2A	Z	52.605	45
66	MP2A	Mx	-.015	45
67	MP2B	X	-22.498	45
68	MP2B	Z	38.967	45
69	MP2B	Mx	.022	45
70	MP2C	X	-30.372	45
71	MP2C	Z	52.605	45
72	MP2C	Mx	-.015	45
73	MP2A	X	-12.988	84
74	MP2A	Z	22.495	84
75	MP2A	Mx	-.006	84
76	MP2B	X	-6.426	84
77	MP2B	Z	11.131	84
78	MP2B	Mx	.006	84
79	MP2C	X	-12.988	84
80	MP2C	Z	22.495	84
81	MP2C	Mx	-.006	84
82	M113	X	-45.877	12
83	M113	Z	79.462	12
84	M113	Mx	0	12
85	M113	X	-45.877	12
86	M113	Z	79.462	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-47.448	18
2	MP2A	Z	27.394	18
3	MP2A	Mx	.008	18
4	MP2A	X	-47.448	66
5	MP2A	Z	27.394	66
6	MP2A	Mx	.008	66
7	MP2B	X	-47.448	18
8	MP2B	Z	27.394	18
9	MP2B	Mx	-.04	18
10	MP2B	X	-47.448	66
11	MP2B	Z	27.394	66
12	MP2B	Mx	-.04	66
13	MP2C	X	-82.977	18
14	MP2C	Z	47.907	18
15	MP2C	Mx	.056	18
16	MP2C	X	-82.977	66
17	MP2C	Z	47.907	66
18	MP2C	Mx	.056	66
19	MP2A	X	-91.973	18
20	MP2A	Z	53.101	18
21	MP2A	Mx	.077	18
22	MP2A	X	-91.973	66
23	MP2A	Z	53.101	66
24	MP2A	Mx	.077	66
25	MP2B	X	-91.973	18
26	MP2B	Z	53.101	18
27	MP2B	Mx	-.015	18
28	MP2B	X	-91.973	66
29	MP2B	Z	53.101	66
30	MP2B	Mx	-.015	66
31	MP2C	X	-123.013	18
32	MP2C	Z	71.022	18
33	MP2C	Mx	-.083	18
34	MP2C	X	-123.013	66
35	MP2C	Z	71.022	66
36	MP2C	Mx	-.083	66
37	MP3A	X	-31.208	30
38	MP3A	Z	18.018	30
39	MP3A	Mx	.016	30
40	MP3A	X	-31.208	54
41	MP3A	Z	18.018	54
42	MP3A	Mx	.016	54
43	MP3B	X	-31.208	30
44	MP3B	Z	18.018	30
45	MP3B	Mx	-.016	30
46	MP3B	X	-31.208	54
47	MP3B	Z	18.018	54
48	MP3B	Mx	-.016	54
49	MP3C	X	-57.915	30
50	MP3C	Z	33.438	30
51	MP3C	Mx	0	30
52	MP3C	X	-57.915	54
53	MP3C	Z	33.438	54
54	MP3C	Mx	0	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
55	MP1A	X	-35.681	45
56	MP1A	Z	20.601	45
57	MP1A	Mx	-.018	45
58	MP1B	X	-35.681	45
59	MP1B	Z	20.601	45
60	MP1B	Mx	.018	45
61	MP1C	X	-47.371	45
62	MP1C	Z	27.35	45
63	MP1C	Mx	0	45
64	MP2A	X	-43.513	45
65	MP2A	Z	25.122	45
66	MP2A	Mx	-.022	45
67	MP2B	X	-43.513	45
68	MP2B	Z	25.122	45
69	MP2B	Mx	.022	45
70	MP2C	X	-57.151	45
71	MP2C	Z	32.996	45
72	MP2C	Mx	0	45
73	MP2A	X	-14.919	84
74	MP2A	Z	8.613	84
75	MP2A	Mx	-.007	84
76	MP2B	X	-14.919	84
77	MP2B	Z	8.613	84
78	MP2B	Mx	.007	84
79	MP2C	X	-26.284	84
80	MP2C	Z	15.175	84
81	MP2C	Mx	0	84
82	M113	X	-73.655	12
83	M113	Z	42.525	12
84	M113	Mx	0	12
85	M113	X	-73.655	12
86	M113	Z	42.525	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-41.113	18
2	MP2A	Z	0	18
3	MP2A	Mx	.021	18
4	MP2A	X	-41.113	66
5	MP2A	Z	0	66
6	MP2A	Mx	.021	66
7	MP2B	X	-82.138	18
8	MP2B	Z	0	18
9	MP2B	Mx	-.062	18
10	MP2B	X	-82.138	66
11	MP2B	Z	0	66
12	MP2B	Mx	-.062	66
13	MP2C	X	-82.138	18
14	MP2C	Z	0	18
15	MP2C	Mx	.021	18
16	MP2C	X	-82.138	66
17	MP2C	Z	0	66
18	MP2C	Mx	.021	66
19	MP2A	X	-94.254	18
20	MP2A	Z	0	18
21	MP2A	Mx	.047	18
22	MP2A	X	-94.254	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
23	MP2A	Z	0	66
24	MP2A	Mx	.047	66
25	MP2B	X	-130.096	18
26	MP2B	Z	0	18
27	MP2B	Mx	.033	18
28	MP2B	X	-130.096	66
29	MP2B	Z	0	66
30	MP2B	Mx	.033	66
31	MP2C	X	-130.096	18
32	MP2C	Z	0	18
33	MP2C	Mx	-.098	18
34	MP2C	X	-130.096	66
35	MP2C	Z	0	66
36	MP2C	Mx	-.098	66
37	MP3A	X	-25.757	30
38	MP3A	Z	0	30
39	MP3A	Mx	.013	30
40	MP3A	X	-25.757	54
41	MP3A	Z	0	54
42	MP3A	Mx	.013	54
43	MP3B	X	-56.595	30
44	MP3B	Z	0	30
45	MP3B	Mx	-.014	30
46	MP3B	X	-56.595	54
47	MP3B	Z	0	54
48	MP3B	Mx	-.014	54
49	MP3C	X	-56.595	30
50	MP3C	Z	0	30
51	MP3C	Mx	-.014	30
52	MP3C	X	-56.595	54
53	MP3C	Z	0	54
54	MP3C	Mx	-.014	54
55	MP1A	X	-36.702	45
56	MP1A	Z	0	45
57	MP1A	Mx	-.018	45
58	MP1B	X	-50.2	45
59	MP1B	Z	0	45
60	MP1B	Mx	.013	45
61	MP1C	X	-50.2	45
62	MP1C	Z	0	45
63	MP1C	Mx	.013	45
64	MP2A	X	-44.995	45
65	MP2A	Z	0	45
66	MP2A	Mx	-.022	45
67	MP2B	X	-60.743	45
68	MP2B	Z	0	45
69	MP2B	Mx	.015	45
70	MP2C	X	-60.743	45
71	MP2C	Z	0	45
72	MP2C	Mx	.015	45
73	MP2A	X	-12.853	84
74	MP2A	Z	0	84
75	MP2A	Mx	-.006	84
76	MP2B	X	-25.975	84
77	MP2B	Z	0	84
78	MP2B	Mx	.006	84
79	MP2C	X	-25.975	84
80	MP2C	Z	0	84
81	MP2C	Mx	.006	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
82	M113	X	-91.755	12
83	M113	Z	0	12
84	M113	Mx	0	12
85	M113	X	-91.755	12
86	M113	Z	0	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-47.448	18
2	MP2A	Z	-27.394	18
3	MP2A	Mx	.04	18
4	MP2A	X	-47.448	66
5	MP2A	Z	-27.394	66
6	MP2A	Mx	.04	66
7	MP2B	X	-82.977	18
8	MP2B	Z	-47.907	18
9	MP2B	Mx	-.056	18
10	MP2B	X	-82.977	66
11	MP2B	Z	-47.907	66
12	MP2B	Mx	-.056	66
13	MP2C	X	-47.448	18
14	MP2C	Z	-27.394	18
15	MP2C	Mx	-.008	18
16	MP2C	X	-47.448	66
17	MP2C	Z	-27.394	66
18	MP2C	Mx	-.008	66
19	MP2A	X	-91.973	18
20	MP2A	Z	-53.101	18
21	MP2A	Mx	.015	18
22	MP2A	X	-91.973	66
23	MP2A	Z	-53.101	66
24	MP2A	Mx	.015	66
25	MP2B	X	-123.013	18
26	MP2B	Z	-71.022	18
27	MP2B	Mx	.083	18
28	MP2B	X	-123.013	66
29	MP2B	Z	-71.022	66
30	MP2B	Mx	.083	66
31	MP2C	X	-91.973	18
32	MP2C	Z	-53.101	18
33	MP2C	Mx	-.077	18
34	MP2C	X	-91.973	66
35	MP2C	Z	-53.101	66
36	MP2C	Mx	-.077	66
37	MP3A	X	-31.208	30
38	MP3A	Z	-18.018	30
39	MP3A	Mx	.016	30
40	MP3A	X	-31.208	54
41	MP3A	Z	-18.018	54
42	MP3A	Mx	.016	54
43	MP3B	X	-57.915	30
44	MP3B	Z	-33.438	30
45	MP3B	Mx	0	30
46	MP3B	X	-57.915	54
47	MP3B	Z	-33.438	54
48	MP3B	Mx	0	54
49	MP3C	X	-31.208	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
50	MP3C	Z	-18.018	30
51	MP3C	Mx	-.016	30
52	MP3C	X	-31.208	54
53	MP3C	Z	-18.018	54
54	MP3C	Mx	-.016	54
55	MP1A	X	-35.681	45
56	MP1A	Z	-20.601	45
57	MP1A	Mx	-.018	45
58	MP1B	X	-47.371	45
59	MP1B	Z	-27.35	45
60	MP1B	Mx	0	45
61	MP1C	X	-35.681	45
62	MP1C	Z	-20.601	45
63	MP1C	Mx	.018	45
64	MP2A	X	-43.513	45
65	MP2A	Z	-25.122	45
66	MP2A	Mx	-.022	45
67	MP2B	X	-57.151	45
68	MP2B	Z	-32.996	45
69	MP2B	Mx	0	45
70	MP2C	X	-43.513	45
71	MP2C	Z	-25.122	45
72	MP2C	Mx	.022	45
73	MP2A	X	-14.919	84
74	MP2A	Z	-8.613	84
75	MP2A	Mx	-.007	84
76	MP2B	X	-26.284	84
77	MP2B	Z	-15.175	84
78	MP2B	Mx	0	84
79	MP2C	X	-14.919	84
80	MP2C	Z	-8.613	84
81	MP2C	Mx	.007	84
82	M113	X	-91.076	12
83	M113	Z	-52.582	12
84	M113	Mx	0	12
85	M113	X	-91.076	12
86	M113	Z	-52.582	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-41.069	18
2	MP2A	Z	-71.134	18
3	MP2A	Mx	.062	18
4	MP2A	X	-41.069	66
5	MP2A	Z	-71.134	66
6	MP2A	Mx	.062	66
7	MP2B	X	-41.069	18
8	MP2B	Z	-71.134	18
9	MP2B	Mx	-.021	18
10	MP2B	X	-41.069	66
11	MP2B	Z	-71.134	66
12	MP2B	Mx	-.021	66
13	MP2C	X	-20.557	18
14	MP2C	Z	-35.605	18
15	MP2C	Mx	-.021	18
16	MP2C	X	-20.557	66
17	MP2C	Z	-35.605	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
18	MP2C	Mx	-.021	66
19	MP2A	X	-65.048	18
20	MP2A	Z	-112.666	18
21	MP2A	Mx	-.033	18
22	MP2A	X	-65.048	66
23	MP2A	Z	-112.666	66
24	MP2A	Mx	-.033	66
25	MP2B	X	-65.048	18
26	MP2B	Z	-112.666	18
27	MP2B	Mx	.098	18
28	MP2B	X	-65.048	66
29	MP2B	Z	-112.666	66
30	MP2B	Mx	.098	66
31	MP2C	X	-47.127	18
32	MP2C	Z	-81.627	18
33	MP2C	Mx	-.047	18
34	MP2C	X	-47.127	66
35	MP2C	Z	-81.627	66
36	MP2C	Mx	-.047	66
37	MP3A	X	-28.298	30
38	MP3A	Z	-49.013	30
39	MP3A	Mx	.014	30
40	MP3A	X	-28.298	54
41	MP3A	Z	-49.013	54
42	MP3A	Mx	.014	54
43	MP3B	X	-28.298	30
44	MP3B	Z	-49.013	30
45	MP3B	Mx	.014	30
46	MP3B	X	-28.298	54
47	MP3B	Z	-49.013	54
48	MP3B	Mx	.014	54
49	MP3C	X	-12.878	30
50	MP3C	Z	-22.306	30
51	MP3C	Mx	-.013	30
52	MP3C	X	-12.878	54
53	MP3C	Z	-22.306	54
54	MP3C	Mx	-.013	54
55	MP1A	X	-25.1	45
56	MP1A	Z	-43.475	45
57	MP1A	Mx	-.013	45
58	MP1B	X	-25.1	45
59	MP1B	Z	-43.475	45
60	MP1B	Mx	-.013	45
61	MP1C	X	-18.351	45
62	MP1C	Z	-31.785	45
63	MP1C	Mx	.018	45
64	MP2A	X	-30.372	45
65	MP2A	Z	-52.605	45
66	MP2A	Mx	-.015	45
67	MP2B	X	-30.372	45
68	MP2B	Z	-52.605	45
69	MP2B	Mx	-.015	45
70	MP2C	X	-22.498	45
71	MP2C	Z	-38.967	45
72	MP2C	Mx	.022	45
73	MP2A	X	-12.988	84
74	MP2A	Z	-22.495	84
75	MP2A	Mx	-.006	84
76	MP2B	X	-12.988	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
77	MP2B	Z	-22.495	84
78	MP2B	Mx	-.006	84
79	MP2C	X	-6.426	84
80	MP2C	Z	-11.131	84
81	MP2C	Mx	.006	84
82	M113	X	-55.935	12
83	M113	Z	-96.882	12
84	M113	Mx	0	12
85	M113	X	-55.935	12
86	M113	Z	-96.882	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	18
2	MP2A	Z	-29.627	18
3	MP2A	Mx	.017	18
4	MP2A	X	0	66
5	MP2A	Z	-29.627	66
6	MP2A	Mx	.017	66
7	MP2B	X	0	18
8	MP2B	Z	-22.707	18
9	MP2B	Mx	.003	18
10	MP2B	X	0	66
11	MP2B	Z	-22.707	66
12	MP2B	Mx	.003	66
13	MP2C	X	0	18
14	MP2C	Z	-22.707	18
15	MP2C	Mx	-.016	18
16	MP2C	X	0	66
17	MP2C	Z	-22.707	66
18	MP2C	Mx	-.016	66
19	MP2A	X	0	18
20	MP2A	Z	-29.627	18
21	MP2A	Mx	-.017	18
22	MP2A	X	0	66
23	MP2A	Z	-29.627	66
24	MP2A	Mx	-.017	66
25	MP2B	X	0	18
26	MP2B	Z	-22.707	18
27	MP2B	Mx	.016	18
28	MP2B	X	0	66
29	MP2B	Z	-22.707	66
30	MP2B	Mx	.016	66
31	MP2C	X	0	18
32	MP2C	Z	-22.707	18
33	MP2C	Mx	-.003	18
34	MP2C	X	0	66
35	MP2C	Z	-22.707	66
36	MP2C	Mx	-.003	66
37	MP3A	X	0	30
38	MP3A	Z	-14.387	30
39	MP3A	Mx	0	30
40	MP3A	X	0	54
41	MP3A	Z	-14.387	54
42	MP3A	Mx	0	54
43	MP3B	X	0	30
44	MP3B	Z	-8.138	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
45	MP3B	Mx	.004	30
46	MP3B	X	0	54
47	MP3B	Z	-8.138	54
48	MP3B	Mx	.004	54
49	MP3C	X	0	30
50	MP3C	Z	-8.138	30
51	MP3C	Mx	-.004	30
52	MP3C	X	0	54
53	MP3C	Z	-8.138	54
54	MP3C	Mx	-.004	54
55	MP1A	X	0	45
56	MP1A	Z	-14.835	45
57	MP1A	Mx	0	45
58	MP1B	X	0	45
59	MP1B	Z	-11.437	45
60	MP1B	Mx	-.005	45
61	MP1C	X	0	45
62	MP1C	Z	-11.437	45
63	MP1C	Mx	.005	45
64	MP2A	X	0	45
65	MP2A	Z	-14.835	45
66	MP2A	Mx	0	45
67	MP2B	X	0	45
68	MP2B	Z	-11.573	45
69	MP2B	Mx	-.005	45
70	MP2C	X	0	45
71	MP2C	Z	-11.573	45
72	MP2C	Mx	.005	45
73	MP2A	X	0	84
74	MP2A	Z	-7.348	84
75	MP2A	Mx	0	84
76	MP2B	X	0	84
77	MP2B	Z	-4.563	84
78	MP2B	Mx	-.002	84
79	MP2C	X	0	84
80	MP2C	Z	-4.563	84
81	MP2C	Mx	.002	84
82	M113	X	0	12
83	M113	Z	-28.873	12
84	M113	Mx	0	12
85	M113	X	0	12
86	M113	Z	-28.873	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	13.66	18
2	MP2A	Z	-23.66	18
3	MP2A	Mx	.007	18
4	MP2A	X	13.66	66
5	MP2A	Z	-23.66	66
6	MP2A	Mx	.007	66
7	MP2B	X	10.201	18
8	MP2B	Z	-17.668	18
9	MP2B	Mx	.01	18
10	MP2B	X	10.201	66
11	MP2B	Z	-17.668	66
12	MP2B	Mx	.01	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP2C	X	13.66	18
14	MP2C	Z	-23.66	18
15	MP2C	Mx	-.021	18
16	MP2C	X	13.66	66
17	MP2C	Z	-23.66	66
18	MP2C	Mx	-.021	66
19	MP2A	X	13.66	18
20	MP2A	Z	-23.66	18
21	MP2A	Mx	-.021	18
22	MP2A	X	13.66	66
23	MP2A	Z	-23.66	66
24	MP2A	Mx	-.021	66
25	MP2B	X	10.201	18
26	MP2B	Z	-17.668	18
27	MP2B	Mx	.01	18
28	MP2B	X	10.201	66
29	MP2B	Z	-17.668	66
30	MP2B	Mx	.01	66
31	MP2C	X	13.66	18
32	MP2C	Z	-23.66	18
33	MP2C	Mx	.007	18
34	MP2C	X	13.66	66
35	MP2C	Z	-23.66	66
36	MP2C	Mx	.007	66
37	MP3A	X	6.152	30
38	MP3A	Z	-10.655	30
39	MP3A	Mx	-.003	30
40	MP3A	X	6.152	54
41	MP3A	Z	-10.655	54
42	MP3A	Mx	-.003	54
43	MP3B	X	3.027	30
44	MP3B	Z	-5.244	30
45	MP3B	Mx	.003	30
46	MP3B	X	3.027	54
47	MP3B	Z	-5.244	54
48	MP3B	Mx	.003	54
49	MP3C	X	6.152	30
50	MP3C	Z	-10.655	30
51	MP3C	Mx	-.003	30
52	MP3C	X	6.152	54
53	MP3C	Z	-10.655	54
54	MP3C	Mx	-.003	54
55	MP1A	X	6.851	45
56	MP1A	Z	-11.867	45
57	MP1A	Mx	.003	45
58	MP1B	X	5.152	45
59	MP1B	Z	-8.924	45
60	MP1B	Mx	-.005	45
61	MP1C	X	6.851	45
62	MP1C	Z	-11.867	45
63	MP1C	Mx	.003	45
64	MP2A	X	6.874	45
65	MP2A	Z	-11.906	45
66	MP2A	Mx	.003	45
67	MP2B	X	5.243	45
68	MP2B	Z	-9.081	45
69	MP2B	Mx	-.005	45
70	MP2C	X	6.874	45
71	MP2C	Z	-11.906	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
72	MP2C	Mx	.003	45
73	MP2A	X	3.21	84
74	MP2A	Z	-5.56	84
75	MP2A	Mx	.002	84
76	MP2B	X	1.817	84
77	MP2B	Z	-3.147	84
78	MP2B	Mx	-.002	84
79	MP2C	X	3.21	84
80	MP2C	Z	-5.56	84
81	MP2C	Mx	.002	84
82	M113	X	12.767	12
83	M113	Z	-22.113	12
84	M113	Mx	0	12
85	M113	X	12.767	12
86	M113	Z	-22.113	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	19.665	18
2	MP2A	Z	-11.354	18
3	MP2A	Mx	-.003	18
4	MP2A	X	19.665	66
5	MP2A	Z	-11.354	66
6	MP2A	Mx	-.003	66
7	MP2B	X	19.665	18
8	MP2B	Z	-11.354	18
9	MP2B	Mx	.016	18
10	MP2B	X	19.665	66
11	MP2B	Z	-11.354	66
12	MP2B	Mx	.016	66
13	MP2C	X	25.658	18
14	MP2C	Z	-14.813	18
15	MP2C	Mx	-.017	18
16	MP2C	X	25.658	66
17	MP2C	Z	-14.813	66
18	MP2C	Mx	-.017	66
19	MP2A	X	19.665	18
20	MP2A	Z	-11.354	18
21	MP2A	Mx	-.016	18
22	MP2A	X	19.665	66
23	MP2A	Z	-11.354	66
24	MP2A	Mx	-.016	66
25	MP2B	X	19.665	18
26	MP2B	Z	-11.354	18
27	MP2B	Mx	.003	18
28	MP2B	X	19.665	66
29	MP2B	Z	-11.354	66
30	MP2B	Mx	.003	66
31	MP2C	X	25.658	18
32	MP2C	Z	-14.813	18
33	MP2C	Mx	.017	18
34	MP2C	X	25.658	66
35	MP2C	Z	-14.813	66
36	MP2C	Mx	.017	66
37	MP3A	X	7.047	30
38	MP3A	Z	-4.069	30
39	MP3A	Mx	-.004	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
40	MP3A	X	7.047	54
41	MP3A	Z	-4.069	54
42	MP3A	Mx	-.004	54
43	MP3B	X	7.047	30
44	MP3B	Z	-4.069	30
45	MP3B	Mx	.004	30
46	MP3B	X	7.047	54
47	MP3B	Z	-4.069	54
48	MP3B	Mx	.004	54
49	MP3C	X	12.459	30
50	MP3C	Z	-7.193	30
51	MP3C	Mx	0	30
52	MP3C	X	12.459	54
53	MP3C	Z	-7.193	54
54	MP3C	Mx	0	54
55	MP1A	X	9.905	45
56	MP1A	Z	-5.719	45
57	MP1A	Mx	.005	45
58	MP1B	X	9.905	45
59	MP1B	Z	-5.719	45
60	MP1B	Mx	-.005	45
61	MP1C	X	12.848	45
62	MP1C	Z	-7.418	45
63	MP1C	Mx	0	45
64	MP2A	X	10.023	45
65	MP2A	Z	-5.787	45
66	MP2A	Mx	.005	45
67	MP2B	X	10.023	45
68	MP2B	Z	-5.787	45
69	MP2B	Mx	-.005	45
70	MP2C	X	12.848	45
71	MP2C	Z	-7.418	45
72	MP2C	Mx	0	45
73	MP2A	X	3.951	84
74	MP2A	Z	-2.281	84
75	MP2A	Mx	.002	84
76	MP2B	X	3.951	84
77	MP2B	Z	-2.281	84
78	MP2B	Mx	-.002	84
79	MP2C	X	6.364	84
80	MP2C	Z	-3.674	84
81	MP2C	Mx	0	84
82	M113	X	20.667	12
83	M113	Z	-11.932	12
84	M113	Mx	0	12
85	M113	X	20.667	12
86	M113	Z	-11.932	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	20.401	18
2	MP2A	Z	0	18
3	MP2A	Mx	-.01	18
4	MP2A	X	20.401	66
5	MP2A	Z	0	66
6	MP2A	Mx	-.01	66
7	MP2B	X	27.32	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
8	MP2B	Z	0	18
9	MP2B	Mx	.021	18
10	MP2B	X	27.32	66
11	MP2B	Z	0	66
12	MP2B	Mx	.021	66
13	MP2C	X	27.32	18
14	MP2C	Z	0	18
15	MP2C	Mx	-.007	18
16	MP2C	X	27.32	66
17	MP2C	Z	0	66
18	MP2C	Mx	-.007	66
19	MP2A	X	20.401	18
20	MP2A	Z	0	18
21	MP2A	Mx	-.01	18
22	MP2A	X	20.401	66
23	MP2A	Z	0	66
24	MP2A	Mx	-.01	66
25	MP2B	X	27.32	18
26	MP2B	Z	0	18
27	MP2B	Mx	-.007	18
28	MP2B	X	27.32	66
29	MP2B	Z	0	66
30	MP2B	Mx	-.007	66
31	MP2C	X	27.32	18
32	MP2C	Z	0	18
33	MP2C	Mx	.021	18
34	MP2C	X	27.32	66
35	MP2C	Z	0	66
36	MP2C	Mx	.021	66
37	MP3A	X	6.055	30
38	MP3A	Z	0	30
39	MP3A	Mx	-.003	30
40	MP3A	X	6.055	54
41	MP3A	Z	0	54
42	MP3A	Mx	-.003	54
43	MP3B	X	12.304	30
44	MP3B	Z	0	30
45	MP3B	Mx	.003	30
46	MP3B	X	12.304	54
47	MP3B	Z	0	54
48	MP3B	Mx	.003	54
49	MP3C	X	12.304	30
50	MP3C	Z	0	30
51	MP3C	Mx	.003	30
52	MP3C	X	12.304	54
53	MP3C	Z	0	54
54	MP3C	Mx	.003	54
55	MP1A	X	10.305	45
56	MP1A	Z	0	45
57	MP1A	Mx	.005	45
58	MP1B	X	13.703	45
59	MP1B	Z	0	45
60	MP1B	Mx	-.003	45
61	MP1C	X	13.703	45
62	MP1C	Z	0	45
63	MP1C	Mx	-.003	45
64	MP2A	X	10.486	45
65	MP2A	Z	0	45
66	MP2A	Mx	.005	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
67	MP2B	X	13.748	45
68	MP2B	Z	0	45
69	MP2B	Mx	-.003	45
70	MP2C	X	13.748	45
71	MP2C	Z	0	45
72	MP2C	Mx	-.003	45
73	MP2A	X	3.634	84
74	MP2A	Z	0	84
75	MP2A	Mx	.002	84
76	MP2B	X	6.42	84
77	MP2B	Z	0	84
78	MP2B	Mx	-.002	84
79	MP2C	X	6.42	84
80	MP2C	Z	0	84
81	MP2C	Mx	-.002	84
82	M113	X	25.534	12
83	M113	Z	0	12
84	M113	Mx	0	12
85	M113	X	25.534	12
86	M113	Z	0	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	19.665	18
2	MP2A	Z	11.354	18
3	MP2A	Mx	-.016	18
4	MP2A	X	19.665	66
5	MP2A	Z	11.354	66
6	MP2A	Mx	-.016	66
7	MP2B	X	25.658	18
8	MP2B	Z	14.813	18
9	MP2B	Mx	.017	18
10	MP2B	X	25.658	66
11	MP2B	Z	14.813	66
12	MP2B	Mx	.017	66
13	MP2C	X	19.665	18
14	MP2C	Z	11.354	18
15	MP2C	Mx	.003	18
16	MP2C	X	19.665	66
17	MP2C	Z	11.354	66
18	MP2C	Mx	.003	66
19	MP2A	X	19.665	18
20	MP2A	Z	11.354	18
21	MP2A	Mx	-.003	18
22	MP2A	X	19.665	66
23	MP2A	Z	11.354	66
24	MP2A	Mx	-.003	66
25	MP2B	X	25.658	18
26	MP2B	Z	14.813	18
27	MP2B	Mx	-.017	18
28	MP2B	X	25.658	66
29	MP2B	Z	14.813	66
30	MP2B	Mx	-.017	66
31	MP2C	X	19.665	18
32	MP2C	Z	11.354	18
33	MP2C	Mx	.016	18
34	MP2C	X	19.665	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
35	MP2C	Z	11.354	66
36	MP2C	Mx	.016	66
37	MP3A	X	7.047	30
38	MP3A	Z	4.069	30
39	MP3A	Mx	-.004	30
40	MP3A	X	7.047	54
41	MP3A	Z	4.069	54
42	MP3A	Mx	-.004	54
43	MP3B	X	12.459	30
44	MP3B	Z	7.193	30
45	MP3B	Mx	0	30
46	MP3B	X	12.459	54
47	MP3B	Z	7.193	54
48	MP3B	Mx	0	54
49	MP3C	X	7.047	30
50	MP3C	Z	4.069	30
51	MP3C	Mx	.004	30
52	MP3C	X	7.047	54
53	MP3C	Z	4.069	54
54	MP3C	Mx	.004	54
55	MP1A	X	9.905	45
56	MP1A	Z	5.719	45
57	MP1A	Mx	.005	45
58	MP1B	X	12.848	45
59	MP1B	Z	7.418	45
60	MP1B	Mx	0	45
61	MP1C	X	9.905	45
62	MP1C	Z	5.719	45
63	MP1C	Mx	-.005	45
64	MP2A	X	10.023	45
65	MP2A	Z	5.787	45
66	MP2A	Mx	.005	45
67	MP2B	X	12.848	45
68	MP2B	Z	7.418	45
69	MP2B	Mx	0	45
70	MP2C	X	10.023	45
71	MP2C	Z	5.787	45
72	MP2C	Mx	-.005	45
73	MP2A	X	3.951	84
74	MP2A	Z	2.281	84
75	MP2A	Mx	.002	84
76	MP2B	X	6.364	84
77	MP2B	Z	3.674	84
78	MP2B	Mx	0	84
79	MP2C	X	3.951	84
80	MP2C	Z	2.281	84
81	MP2C	Mx	-.002	84
82	M113	X	25.004	12
83	M113	Z	14.436	12
84	M113	Mx	0	12
85	M113	X	25.004	12
86	M113	Z	14.436	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	13.66	18
2	MP2A	Z	23.66	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
3	MP2A	Mx	-.021	18
4	MP2A	X	13.66	66
5	MP2A	Z	23.66	66
6	MP2A	Mx	-.021	66
7	MP2B	X	13.66	18
8	MP2B	Z	23.66	18
9	MP2B	Mx	.007	18
10	MP2B	X	13.66	66
11	MP2B	Z	23.66	66
12	MP2B	Mx	.007	66
13	MP2C	X	10.201	18
14	MP2C	Z	17.668	18
15	MP2C	Mx	.01	18
16	MP2C	X	10.201	66
17	MP2C	Z	17.668	66
18	MP2C	Mx	.01	66
19	MP2A	X	13.66	18
20	MP2A	Z	23.66	18
21	MP2A	Mx	.007	18
22	MP2A	X	13.66	66
23	MP2A	Z	23.66	66
24	MP2A	Mx	.007	66
25	MP2B	X	13.66	18
26	MP2B	Z	23.66	18
27	MP2B	Mx	-.021	18
28	MP2B	X	13.66	66
29	MP2B	Z	23.66	66
30	MP2B	Mx	-.021	66
31	MP2C	X	10.201	18
32	MP2C	Z	17.668	18
33	MP2C	Mx	.01	18
34	MP2C	X	10.201	66
35	MP2C	Z	17.668	66
36	MP2C	Mx	.01	66
37	MP3A	X	6.152	30
38	MP3A	Z	10.655	30
39	MP3A	Mx	-.003	30
40	MP3A	X	6.152	54
41	MP3A	Z	10.655	54
42	MP3A	Mx	-.003	54
43	MP3B	X	6.152	30
44	MP3B	Z	10.655	30
45	MP3B	Mx	-.003	30
46	MP3B	X	6.152	54
47	MP3B	Z	10.655	54
48	MP3B	Mx	-.003	54
49	MP3C	X	3.027	30
50	MP3C	Z	5.244	30
51	MP3C	Mx	.003	30
52	MP3C	X	3.027	54
53	MP3C	Z	5.244	54
54	MP3C	Mx	.003	54
55	MP1A	X	6.851	45
56	MP1A	Z	11.867	45
57	MP1A	Mx	.003	45
58	MP1B	X	6.851	45
59	MP1B	Z	11.867	45
60	MP1B	Mx	.003	45
61	MP1C	X	5.152	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
62	MP1C	Z	8.924	45
63	MP1C	Mx	-.005	45
64	MP2A	X	6.874	45
65	MP2A	Z	11.906	45
66	MP2A	Mx	.003	45
67	MP2B	X	6.874	45
68	MP2B	Z	11.906	45
69	MP2B	Mx	.003	45
70	MP2C	X	5.243	45
71	MP2C	Z	9.081	45
72	MP2C	Mx	-.005	45
73	MP2A	X	3.21	84
74	MP2A	Z	5.56	84
75	MP2A	Mx	.002	84
76	MP2B	X	3.21	84
77	MP2B	Z	5.56	84
78	MP2B	Mx	.002	84
79	MP2C	X	1.817	84
80	MP2C	Z	3.147	84
81	MP2C	Mx	-.002	84
82	M113	X	15.271	12
83	M113	Z	26.45	12
84	M113	Mx	0	12
85	M113	X	15.271	12
86	M113	Z	26.45	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	18
2	MP2A	Z	29.627	18
3	MP2A	Mx	-.017	18
4	MP2A	X	0	66
5	MP2A	Z	29.627	66
6	MP2A	Mx	-.017	66
7	MP2B	X	0	18
8	MP2B	Z	22.707	18
9	MP2B	Mx	-.003	18
10	MP2B	X	0	66
11	MP2B	Z	22.707	66
12	MP2B	Mx	-.003	66
13	MP2C	X	0	18
14	MP2C	Z	22.707	18
15	MP2C	Mx	.016	18
16	MP2C	X	0	66
17	MP2C	Z	22.707	66
18	MP2C	Mx	.016	66
19	MP2A	X	0	18
20	MP2A	Z	29.627	18
21	MP2A	Mx	.017	18
22	MP2A	X	0	66
23	MP2A	Z	29.627	66
24	MP2A	Mx	.017	66
25	MP2B	X	0	18
26	MP2B	Z	22.707	18
27	MP2B	Mx	-.016	18
28	MP2B	X	0	66
29	MP2B	Z	22.707	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
30	MP2B	Mx	-.016	66
31	MP2C	X	0	18
32	MP2C	Z	22.707	18
33	MP2C	Mx	.003	18
34	MP2C	X	0	66
35	MP2C	Z	22.707	66
36	MP2C	Mx	.003	66
37	MP3A	X	0	30
38	MP3A	Z	14.387	30
39	MP3A	Mx	0	30
40	MP3A	X	0	54
41	MP3A	Z	14.387	54
42	MP3A	Mx	0	54
43	MP3B	X	0	30
44	MP3B	Z	8.138	30
45	MP3B	Mx	-.004	30
46	MP3B	X	0	54
47	MP3B	Z	8.138	54
48	MP3B	Mx	-.004	54
49	MP3C	X	0	30
50	MP3C	Z	8.138	30
51	MP3C	Mx	.004	30
52	MP3C	X	0	54
53	MP3C	Z	8.138	54
54	MP3C	Mx	.004	54
55	MP1A	X	0	45
56	MP1A	Z	14.835	45
57	MP1A	Mx	0	45
58	MP1B	X	0	45
59	MP1B	Z	11.437	45
60	MP1B	Mx	.005	45
61	MP1C	X	0	45
62	MP1C	Z	11.437	45
63	MP1C	Mx	-.005	45
64	MP2A	X	0	45
65	MP2A	Z	14.835	45
66	MP2A	Mx	0	45
67	MP2B	X	0	45
68	MP2B	Z	11.573	45
69	MP2B	Mx	.005	45
70	MP2C	X	0	45
71	MP2C	Z	11.573	45
72	MP2C	Mx	-.005	45
73	MP2A	X	0	84
74	MP2A	Z	7.348	84
75	MP2A	Mx	0	84
76	MP2B	X	0	84
77	MP2B	Z	4.563	84
78	MP2B	Mx	.002	84
79	MP2C	X	0	84
80	MP2C	Z	4.563	84
81	MP2C	Mx	-.002	84
82	M113	X	0	12
83	M113	Z	28.873	12
84	M113	Mx	0	12
85	M113	X	0	12
86	M113	Z	28.873	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-13.66	18
2	MP2A	Z	23.66	18
3	MP2A	Mx	-.007	18
4	MP2A	X	-13.66	66
5	MP2A	Z	23.66	66
6	MP2A	Mx	-.007	66
7	MP2B	X	-10.201	18
8	MP2B	Z	17.668	18
9	MP2B	Mx	-.01	18
10	MP2B	X	-10.201	66
11	MP2B	Z	17.668	66
12	MP2B	Mx	-.01	66
13	MP2C	X	-13.66	18
14	MP2C	Z	23.66	18
15	MP2C	Mx	.021	18
16	MP2C	X	-13.66	66
17	MP2C	Z	23.66	66
18	MP2C	Mx	.021	66
19	MP2A	X	-13.66	18
20	MP2A	Z	23.66	18
21	MP2A	Mx	.021	18
22	MP2A	X	-13.66	66
23	MP2A	Z	23.66	66
24	MP2A	Mx	.021	66
25	MP2B	X	-10.201	18
26	MP2B	Z	17.668	18
27	MP2B	Mx	-.01	18
28	MP2B	X	-10.201	66
29	MP2B	Z	17.668	66
30	MP2B	Mx	-.01	66
31	MP2C	X	-13.66	18
32	MP2C	Z	23.66	18
33	MP2C	Mx	-.007	18
34	MP2C	X	-13.66	66
35	MP2C	Z	23.66	66
36	MP2C	Mx	-.007	66
37	MP3A	X	-6.152	30
38	MP3A	Z	10.655	30
39	MP3A	Mx	.003	30
40	MP3A	X	-6.152	54
41	MP3A	Z	10.655	54
42	MP3A	Mx	.003	54
43	MP3B	X	-3.027	30
44	MP3B	Z	5.244	30
45	MP3B	Mx	-.003	30
46	MP3B	X	-3.027	54
47	MP3B	Z	5.244	54
48	MP3B	Mx	-.003	54
49	MP3C	X	-6.152	30
50	MP3C	Z	10.655	30
51	MP3C	Mx	.003	30
52	MP3C	X	-6.152	54
53	MP3C	Z	10.655	54
54	MP3C	Mx	.003	54
55	MP1A	X	-6.851	45
56	MP1A	Z	11.867	45
57	MP1A	Mx	-.003	45
58	MP1B	X	-5.152	45
59	MP1B	Z	8.924	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
60	MP1B	Mx	.005	45
61	MP1C	X	-6.851	45
62	MP1C	Z	11.867	45
63	MP1C	Mx	-.003	45
64	MP2A	X	-6.874	45
65	MP2A	Z	11.906	45
66	MP2A	Mx	-.003	45
67	MP2B	X	-5.243	45
68	MP2B	Z	9.081	45
69	MP2B	Mx	.005	45
70	MP2C	X	-6.874	45
71	MP2C	Z	11.906	45
72	MP2C	Mx	-.003	45
73	MP2A	X	-3.21	84
74	MP2A	Z	5.56	84
75	MP2A	Mx	-.002	84
76	MP2B	X	-1.817	84
77	MP2B	Z	3.147	84
78	MP2B	Mx	.002	84
79	MP2C	X	-3.21	84
80	MP2C	Z	5.56	84
81	MP2C	Mx	-.002	84
82	M113	X	-12.767	12
83	M113	Z	22.113	12
84	M113	Mx	0	12
85	M113	X	-12.767	12
86	M113	Z	22.113	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-19.665	18
2	MP2A	Z	11.354	18
3	MP2A	Mx	.003	18
4	MP2A	X	-19.665	66
5	MP2A	Z	11.354	66
6	MP2A	Mx	.003	66
7	MP2B	X	-19.665	18
8	MP2B	Z	11.354	18
9	MP2B	Mx	-.016	18
10	MP2B	X	-19.665	66
11	MP2B	Z	11.354	66
12	MP2B	Mx	-.016	66
13	MP2C	X	-25.658	18
14	MP2C	Z	14.813	18
15	MP2C	Mx	.017	18
16	MP2C	X	-25.658	66
17	MP2C	Z	14.813	66
18	MP2C	Mx	.017	66
19	MP2A	X	-19.665	18
20	MP2A	Z	11.354	18
21	MP2A	Mx	.016	18
22	MP2A	X	-19.665	66
23	MP2A	Z	11.354	66
24	MP2A	Mx	.016	66
25	MP2B	X	-19.665	18
26	MP2B	Z	11.354	18
27	MP2B	Mx	-.003	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
28	MP2B	X	-19.665	66
29	MP2B	Z	11.354	66
30	MP2B	Mx	-.003	66
31	MP2C	X	-25.658	18
32	MP2C	Z	14.813	18
33	MP2C	Mx	-.017	18
34	MP2C	X	-25.658	66
35	MP2C	Z	14.813	66
36	MP2C	Mx	-.017	66
37	MP3A	X	-7.047	30
38	MP3A	Z	4.069	30
39	MP3A	Mx	.004	30
40	MP3A	X	-7.047	54
41	MP3A	Z	4.069	54
42	MP3A	Mx	.004	54
43	MP3B	X	-7.047	30
44	MP3B	Z	4.069	30
45	MP3B	Mx	-.004	30
46	MP3B	X	-7.047	54
47	MP3B	Z	4.069	54
48	MP3B	Mx	-.004	54
49	MP3C	X	-12.459	30
50	MP3C	Z	7.193	30
51	MP3C	Mx	0	30
52	MP3C	X	-12.459	54
53	MP3C	Z	7.193	54
54	MP3C	Mx	0	54
55	MP1A	X	-9.905	45
56	MP1A	Z	5.719	45
57	MP1A	Mx	-.005	45
58	MP1B	X	-9.905	45
59	MP1B	Z	5.719	45
60	MP1B	Mx	.005	45
61	MP1C	X	-12.848	45
62	MP1C	Z	7.418	45
63	MP1C	Mx	0	45
64	MP2A	X	-10.023	45
65	MP2A	Z	5.787	45
66	MP2A	Mx	-.005	45
67	MP2B	X	-10.023	45
68	MP2B	Z	5.787	45
69	MP2B	Mx	.005	45
70	MP2C	X	-12.848	45
71	MP2C	Z	7.418	45
72	MP2C	Mx	0	45
73	MP2A	X	-3.951	84
74	MP2A	Z	2.281	84
75	MP2A	Mx	-.002	84
76	MP2B	X	-3.951	84
77	MP2B	Z	2.281	84
78	MP2B	Mx	.002	84
79	MP2C	X	-6.364	84
80	MP2C	Z	3.674	84
81	MP2C	Mx	0	84
82	M113	X	-20.667	12
83	M113	Z	11.932	12
84	M113	Mx	0	12
85	M113	X	-20.667	12
86	M113	Z	11.932	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-20.401	18
2	MP2A	Z	0	18
3	MP2A	Mx	.01	18
4	MP2A	X	-20.401	66
5	MP2A	Z	0	66
6	MP2A	Mx	.01	66
7	MP2B	X	-27.32	18
8	MP2B	Z	0	18
9	MP2B	Mx	-.021	18
10	MP2B	X	-27.32	66
11	MP2B	Z	0	66
12	MP2B	Mx	-.021	66
13	MP2C	X	-27.32	18
14	MP2C	Z	0	18
15	MP2C	Mx	.007	18
16	MP2C	X	-27.32	66
17	MP2C	Z	0	66
18	MP2C	Mx	.007	66
19	MP2A	X	-20.401	18
20	MP2A	Z	0	18
21	MP2A	Mx	.01	18
22	MP2A	X	-20.401	66
23	MP2A	Z	0	66
24	MP2A	Mx	.01	66
25	MP2B	X	-27.32	18
26	MP2B	Z	0	18
27	MP2B	Mx	.007	18
28	MP2B	X	-27.32	66
29	MP2B	Z	0	66
30	MP2B	Mx	.007	66
31	MP2C	X	-27.32	18
32	MP2C	Z	0	18
33	MP2C	Mx	-.021	18
34	MP2C	X	-27.32	66
35	MP2C	Z	0	66
36	MP2C	Mx	-.021	66
37	MP3A	X	-6.055	30
38	MP3A	Z	0	30
39	MP3A	Mx	.003	30
40	MP3A	X	-6.055	54
41	MP3A	Z	0	54
42	MP3A	Mx	.003	54
43	MP3B	X	-12.304	30
44	MP3B	Z	0	30
45	MP3B	Mx	-.003	30
46	MP3B	X	-12.304	54
47	MP3B	Z	0	54
48	MP3B	Mx	-.003	54
49	MP3C	X	-12.304	30
50	MP3C	Z	0	30
51	MP3C	Mx	-.003	30
52	MP3C	X	-12.304	54
53	MP3C	Z	0	54
54	MP3C	Mx	-.003	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
55	MP1A	X	-10.305	45
56	MP1A	Z	0	45
57	MP1A	Mx	-.005	45
58	MP1B	X	-13.703	45
59	MP1B	Z	0	45
60	MP1B	Mx	.003	45
61	MP1C	X	-13.703	45
62	MP1C	Z	0	45
63	MP1C	Mx	.003	45
64	MP2A	X	-10.486	45
65	MP2A	Z	0	45
66	MP2A	Mx	-.005	45
67	MP2B	X	-13.748	45
68	MP2B	Z	0	45
69	MP2B	Mx	.003	45
70	MP2C	X	-13.748	45
71	MP2C	Z	0	45
72	MP2C	Mx	.003	45
73	MP2A	X	-3.634	84
74	MP2A	Z	0	84
75	MP2A	Mx	-.002	84
76	MP2B	X	-6.42	84
77	MP2B	Z	0	84
78	MP2B	Mx	.002	84
79	MP2C	X	-6.42	84
80	MP2C	Z	0	84
81	MP2C	Mx	.002	84
82	M113	X	-25.534	12
83	M113	Z	0	12
84	M113	Mx	0	12
85	M113	X	-25.534	12
86	M113	Z	0	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-19.665	18
2	MP2A	Z	-11.354	18
3	MP2A	Mx	.016	18
4	MP2A	X	-19.665	66
5	MP2A	Z	-11.354	66
6	MP2A	Mx	.016	66
7	MP2B	X	-25.658	18
8	MP2B	Z	-14.813	18
9	MP2B	Mx	-.017	18
10	MP2B	X	-25.658	66
11	MP2B	Z	-14.813	66
12	MP2B	Mx	-.017	66
13	MP2C	X	-19.665	18
14	MP2C	Z	-11.354	18
15	MP2C	Mx	-.003	18
16	MP2C	X	-19.665	66
17	MP2C	Z	-11.354	66
18	MP2C	Mx	-.003	66
19	MP2A	X	-19.665	18
20	MP2A	Z	-11.354	18
21	MP2A	Mx	.003	18
22	MP2A	X	-19.665	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
23	MP2A	Z	-11.354	66
24	MP2A	Mx	.003	66
25	MP2B	X	-25.658	18
26	MP2B	Z	-14.813	18
27	MP2B	Mx	.017	18
28	MP2B	X	-25.658	66
29	MP2B	Z	-14.813	66
30	MP2B	Mx	.017	66
31	MP2C	X	-19.665	18
32	MP2C	Z	-11.354	18
33	MP2C	Mx	-.016	18
34	MP2C	X	-19.665	66
35	MP2C	Z	-11.354	66
36	MP2C	Mx	-.016	66
37	MP3A	X	-7.047	30
38	MP3A	Z	-4.069	30
39	MP3A	Mx	.004	30
40	MP3A	X	-7.047	54
41	MP3A	Z	-4.069	54
42	MP3A	Mx	.004	54
43	MP3B	X	-12.459	30
44	MP3B	Z	-7.193	30
45	MP3B	Mx	0	30
46	MP3B	X	-12.459	54
47	MP3B	Z	-7.193	54
48	MP3B	Mx	0	54
49	MP3C	X	-7.047	30
50	MP3C	Z	-4.069	30
51	MP3C	Mx	-.004	30
52	MP3C	X	-7.047	54
53	MP3C	Z	-4.069	54
54	MP3C	Mx	-.004	54
55	MP1A	X	-9.905	45
56	MP1A	Z	-5.719	45
57	MP1A	Mx	-.005	45
58	MP1B	X	-12.848	45
59	MP1B	Z	-7.418	45
60	MP1B	Mx	0	45
61	MP1C	X	-9.905	45
62	MP1C	Z	-5.719	45
63	MP1C	Mx	.005	45
64	MP2A	X	-10.023	45
65	MP2A	Z	-5.787	45
66	MP2A	Mx	-.005	45
67	MP2B	X	-12.848	45
68	MP2B	Z	-7.418	45
69	MP2B	Mx	0	45
70	MP2C	X	-10.023	45
71	MP2C	Z	-5.787	45
72	MP2C	Mx	.005	45
73	MP2A	X	-3.951	84
74	MP2A	Z	-2.281	84
75	MP2A	Mx	-.002	84
76	MP2B	X	-6.364	84
77	MP2B	Z	-3.674	84
78	MP2B	Mx	0	84
79	MP2C	X	-3.951	84
80	MP2C	Z	-2.281	84
81	MP2C	Mx	.002	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
82	M113	X	-25.004	12
83	M113	Z	-14.436	12
84	M113	Mx	0	12
85	M113	X	-25.004	12
86	M113	Z	-14.436	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-13.66	18
2	MP2A	Z	-23.66	18
3	MP2A	Mx	.021	18
4	MP2A	X	-13.66	66
5	MP2A	Z	-23.66	66
6	MP2A	Mx	.021	66
7	MP2B	X	-13.66	18
8	MP2B	Z	-23.66	18
9	MP2B	Mx	-.007	18
10	MP2B	X	-13.66	66
11	MP2B	Z	-23.66	66
12	MP2B	Mx	-.007	66
13	MP2C	X	-10.201	18
14	MP2C	Z	-17.668	18
15	MP2C	Mx	-.01	18
16	MP2C	X	-10.201	66
17	MP2C	Z	-17.668	66
18	MP2C	Mx	-.01	66
19	MP2A	X	-13.66	18
20	MP2A	Z	-23.66	18
21	MP2A	Mx	-.007	18
22	MP2A	X	-13.66	66
23	MP2A	Z	-23.66	66
24	MP2A	Mx	-.007	66
25	MP2B	X	-13.66	18
26	MP2B	Z	-23.66	18
27	MP2B	Mx	.021	18
28	MP2B	X	-13.66	66
29	MP2B	Z	-23.66	66
30	MP2B	Mx	.021	66
31	MP2C	X	-10.201	18
32	MP2C	Z	-17.668	18
33	MP2C	Mx	-.01	18
34	MP2C	X	-10.201	66
35	MP2C	Z	-17.668	66
36	MP2C	Mx	-.01	66
37	MP3A	X	-6.152	30
38	MP3A	Z	-10.655	30
39	MP3A	Mx	.003	30
40	MP3A	X	-6.152	54
41	MP3A	Z	-10.655	54
42	MP3A	Mx	.003	54
43	MP3B	X	-6.152	30
44	MP3B	Z	-10.655	30
45	MP3B	Mx	.003	30
46	MP3B	X	-6.152	54
47	MP3B	Z	-10.655	54
48	MP3B	Mx	.003	54
49	MP3C	X	-3.027	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
50	MP3C	Z	-5.244	30
51	MP3C	Mx	-.003	30
52	MP3C	X	-3.027	54
53	MP3C	Z	-5.244	54
54	MP3C	Mx	-.003	54
55	MP1A	X	-6.851	45
56	MP1A	Z	-11.867	45
57	MP1A	Mx	-.003	45
58	MP1B	X	-6.851	45
59	MP1B	Z	-11.867	45
60	MP1B	Mx	-.003	45
61	MP1C	X	-5.152	45
62	MP1C	Z	-8.924	45
63	MP1C	Mx	.005	45
64	MP2A	X	-6.874	45
65	MP2A	Z	-11.906	45
66	MP2A	Mx	-.003	45
67	MP2B	X	-6.874	45
68	MP2B	Z	-11.906	45
69	MP2B	Mx	-.003	45
70	MP2C	X	-5.243	45
71	MP2C	Z	-9.081	45
72	MP2C	Mx	.005	45
73	MP2A	X	-3.21	84
74	MP2A	Z	-5.56	84
75	MP2A	Mx	-.002	84
76	MP2B	X	-3.21	84
77	MP2B	Z	-5.56	84
78	MP2B	Mx	-.002	84
79	MP2C	X	-1.817	84
80	MP2C	Z	-3.147	84
81	MP2C	Mx	.002	84
82	M113	X	-15.271	12
83	M113	Z	-26.45	12
84	M113	Mx	0	12
85	M113	X	-15.271	12
86	M113	Z	-26.45	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	18
2	MP2A	Z	-6.52	18
3	MP2A	Mx	.004	18
4	MP2A	X	0	66
5	MP2A	Z	-6.52	66
6	MP2A	Mx	.004	66
7	MP2B	X	0	18
8	MP2B	Z	-3.728	18
9	MP2B	Mx	.000527	18
10	MP2B	X	0	66
11	MP2B	Z	-3.728	66
12	MP2B	Mx	.000527	66
13	MP2C	X	0	18
14	MP2C	Z	-3.728	18
15	MP2C	Mx	-.003	18
16	MP2C	X	0	66
17	MP2C	Z	-3.728	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
18	MP2C	Mx	-.003	66
19	MP2A	X	0	18
20	MP2A	Z	-9.666	18
21	MP2A	Mx	-.006	18
22	MP2A	X	0	66
23	MP2A	Z	-9.666	66
24	MP2A	Mx	-.006	66
25	MP2B	X	0	18
26	MP2B	Z	-7.227	18
27	MP2B	Mx	.005	18
28	MP2B	X	0	66
29	MP2B	Z	-7.227	66
30	MP2B	Mx	.005	66
31	MP2C	X	0	18
32	MP2C	Z	-7.227	18
33	MP2C	Mx	-.001	18
34	MP2C	X	0	66
35	MP2C	Z	-7.227	66
36	MP2C	Mx	-.001	66
37	MP3A	X	0	30
38	MP3A	Z	-4.551	30
39	MP3A	Mx	0	30
40	MP3A	X	0	54
41	MP3A	Z	-4.551	54
42	MP3A	Mx	0	54
43	MP3B	X	0	30
44	MP3B	Z	-2.452	30
45	MP3B	Mx	.001	30
46	MP3B	X	0	54
47	MP3B	Z	-2.452	54
48	MP3B	Mx	.001	54
49	MP3C	X	0	30
50	MP3C	Z	-2.452	30
51	MP3C	Mx	-.001	30
52	MP3C	X	0	54
53	MP3C	Z	-2.452	54
54	MP3C	Mx	-.001	54
55	MP1A	X	0	45
56	MP1A	Z	-3.722	45
57	MP1A	Mx	0	45
58	MP1B	X	0	45
59	MP1B	Z	-2.804	45
60	MP1B	Mx	-.001	45
61	MP1C	X	0	45
62	MP1C	Z	-2.804	45
63	MP1C	Mx	.001	45
64	MP2A	X	0	45
65	MP2A	Z	-4.491	45
66	MP2A	Mx	0	45
67	MP2B	X	0	45
68	MP2B	Z	-3.419	45
69	MP2B	Mx	-.001	45
70	MP2C	X	0	45
71	MP2C	Z	-3.419	45
72	MP2C	Mx	.001	45
73	MP2A	X	0	84
74	MP2A	Z	-2.065	84
75	MP2A	Mx	0	84
76	MP2B	X	0	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
77	MP2B	Z	-1.172	84
78	MP2B	Mx	-.000507	84
79	MP2C	X	0	84
80	MP2C	Z	-1.172	84
81	MP2C	Mx	.000507	84
82	M113	X	0	12
83	M113	Z	-7.157	12
84	M113	Mx	0	12
85	M113	X	0	12
86	M113	Z	-7.157	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	2.795	18
2	MP2A	Z	-4.841	18
3	MP2A	Mx	.001	18
4	MP2A	X	2.795	66
5	MP2A	Z	-4.841	66
6	MP2A	Mx	.001	66
7	MP2B	X	1.399	18
8	MP2B	Z	-2.423	18
9	MP2B	Mx	.001	18
10	MP2B	X	1.399	66
11	MP2B	Z	-2.423	66
12	MP2B	Mx	.001	66
13	MP2C	X	2.795	18
14	MP2C	Z	-4.841	18
15	MP2C	Mx	-.004	18
16	MP2C	X	2.795	66
17	MP2C	Z	-4.841	66
18	MP2C	Mx	-.004	66
19	MP2A	X	4.427	18
20	MP2A	Z	-7.667	18
21	MP2A	Mx	-.007	18
22	MP2A	X	4.427	66
23	MP2A	Z	-7.667	66
24	MP2A	Mx	-.007	66
25	MP2B	X	3.207	18
26	MP2B	Z	-5.555	18
27	MP2B	Mx	.003	18
28	MP2B	X	3.207	66
29	MP2B	Z	-5.555	66
30	MP2B	Mx	.003	66
31	MP2C	X	4.427	18
32	MP2C	Z	-7.667	18
33	MP2C	Mx	.002	18
34	MP2C	X	4.427	66
35	MP2C	Z	-7.667	66
36	MP2C	Mx	.002	66
37	MP3A	X	1.926	30
38	MP3A	Z	-3.335	30
39	MP3A	Mx	-.000963	30
40	MP3A	X	1.926	54
41	MP3A	Z	-3.335	54
42	MP3A	Mx	-.000963	54
43	MP3B	X	.876	30
44	MP3B	Z	-1.518	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
45	MP3B	Mx	.000876	30
46	MP3B	X	.876	54
47	MP3B	Z	-1.518	54
48	MP3B	Mx	.000876	54
49	MP3C	X	1.926	30
50	MP3C	Z	-3.335	30
51	MP3C	Mx	-.000963	30
52	MP3C	X	1.926	54
53	MP3C	Z	-3.335	54
54	MP3C	Mx	-.000963	54
55	MP1A	X	1.708	45
56	MP1A	Z	-2.959	45
57	MP1A	Mx	.000854	45
58	MP1B	X	1.249	45
59	MP1B	Z	-2.163	45
60	MP1B	Mx	-.001	45
61	MP1C	X	1.708	45
62	MP1C	Z	-2.959	45
63	MP1C	Mx	.000854	45
64	MP2A	X	2.067	45
65	MP2A	Z	-3.58	45
66	MP2A	Mx	.001	45
67	MP2B	X	1.531	45
68	MP2B	Z	-2.652	45
69	MP2B	Mx	-.002	45
70	MP2C	X	2.067	45
71	MP2C	Z	-3.58	45
72	MP2C	Mx	.001	45
73	MP2A	X	.884	84
74	MP2A	Z	-1.531	84
75	MP2A	Mx	.000442	84
76	MP2B	X	.437	84
77	MP2B	Z	-.757	84
78	MP2B	Mx	-.000437	84
79	MP2C	X	.884	84
80	MP2C	Z	-1.531	84
81	MP2C	Mx	.000442	84
82	M113	X	3.122	12
83	M113	Z	-5.408	12
84	M113	Mx	0	12
85	M113	X	3.122	12
86	M113	Z	-5.408	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	3.229	18
2	MP2A	Z	-1.864	18
3	MP2A	Mx	-.000527	18
4	MP2A	X	3.229	66
5	MP2A	Z	-1.864	66
6	MP2A	Mx	-.000527	66
7	MP2B	X	3.229	18
8	MP2B	Z	-1.864	18
9	MP2B	Mx	.003	18
10	MP2B	X	3.229	66
11	MP2B	Z	-1.864	66
12	MP2B	Mx	.003	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
13	MP2C	X	5.647	18
14	MP2C	Z	-3.26	18
15	MP2C	Mx	-.004	18
16	MP2C	X	5.647	66
17	MP2C	Z	-3.26	66
18	MP2C	Mx	-.004	66
19	MP2A	X	6.259	18
20	MP2A	Z	-3.614	18
21	MP2A	Mx	-.005	18
22	MP2A	X	6.259	66
23	MP2A	Z	-3.614	66
24	MP2A	Mx	-.005	66
25	MP2B	X	6.259	18
26	MP2B	Z	-3.614	18
27	MP2B	Mx	.001	18
28	MP2B	X	6.259	66
29	MP2B	Z	-3.614	66
30	MP2B	Mx	.001	66
31	MP2C	X	8.371	18
32	MP2C	Z	-4.833	18
33	MP2C	Mx	.006	18
34	MP2C	X	8.371	66
35	MP2C	Z	-4.833	66
36	MP2C	Mx	.006	66
37	MP3A	X	2.124	30
38	MP3A	Z	-1.226	30
39	MP3A	Mx	-.001	30
40	MP3A	X	2.124	54
41	MP3A	Z	-1.226	54
42	MP3A	Mx	-.001	54
43	MP3B	X	2.124	30
44	MP3B	Z	-1.226	30
45	MP3B	Mx	.001	30
46	MP3B	X	2.124	54
47	MP3B	Z	-1.226	54
48	MP3B	Mx	.001	54
49	MP3C	X	3.941	30
50	MP3C	Z	-2.276	30
51	MP3C	Mx	0	30
52	MP3C	X	3.941	54
53	MP3C	Z	-2.276	54
54	MP3C	Mx	0	54
55	MP1A	X	2.428	45
56	MP1A	Z	-1.402	45
57	MP1A	Mx	.001	45
58	MP1B	X	2.428	45
59	MP1B	Z	-1.402	45
60	MP1B	Mx	-.001	45
61	MP1C	X	3.224	45
62	MP1C	Z	-1.861	45
63	MP1C	Mx	0	45
64	MP2A	X	2.961	45
65	MP2A	Z	-1.71	45
66	MP2A	Mx	.001	45
67	MP2B	X	2.961	45
68	MP2B	Z	-1.71	45
69	MP2B	Mx	-.001	45
70	MP2C	X	3.889	45
71	MP2C	Z	-2.246	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
72	MP2C	Mx	0	45
73	MP2A	X	1.015	84
74	MP2A	Z	-.586	84
75	MP2A	Mx	.000508	84
76	MP2B	X	1.015	84
77	MP2B	Z	-.586	84
78	MP2B	Mx	-.000507	84
79	MP2C	X	1.789	84
80	MP2C	Z	-1.033	84
81	MP2C	Mx	0	84
82	M113	X	5.012	12
83	M113	Z	-2.894	12
84	M113	Mx	0	12
85	M113	X	5.012	12
86	M113	Z	-2.894	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	2.798	18
2	MP2A	Z	0	18
3	MP2A	Mx	-.001	18
4	MP2A	X	2.798	66
5	MP2A	Z	0	66
6	MP2A	Mx	-.001	66
7	MP2B	X	5.59	18
8	MP2B	Z	0	18
9	MP2B	Mx	.004	18
10	MP2B	X	5.59	66
11	MP2B	Z	0	66
12	MP2B	Mx	.004	66
13	MP2C	X	5.59	18
14	MP2C	Z	0	18
15	MP2C	Mx	-.001	18
16	MP2C	X	5.59	66
17	MP2C	Z	0	66
18	MP2C	Mx	-.001	66
19	MP2A	X	6.414	18
20	MP2A	Z	0	18
21	MP2A	Mx	-.003	18
22	MP2A	X	6.414	66
23	MP2A	Z	0	66
24	MP2A	Mx	-.003	66
25	MP2B	X	8.853	18
26	MP2B	Z	0	18
27	MP2B	Mx	-.002	18
28	MP2B	X	8.853	66
29	MP2B	Z	0	66
30	MP2B	Mx	-.002	66
31	MP2C	X	8.853	18
32	MP2C	Z	0	18
33	MP2C	Mx	.007	18
34	MP2C	X	8.853	66
35	MP2C	Z	0	66
36	MP2C	Mx	.007	66
37	MP3A	X	1.753	30
38	MP3A	Z	0	30
39	MP3A	Mx	-.000876	30

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
40	MP3A	X	1.753	54
41	MP3A	Z	0	54
42	MP3A	Mx	-.000876	54
43	MP3B	X	3.851	30
44	MP3B	Z	0	30
45	MP3B	Mx	.000963	30
46	MP3B	X	3.851	54
47	MP3B	Z	0	54
48	MP3B	Mx	.000963	54
49	MP3C	X	3.851	30
50	MP3C	Z	0	30
51	MP3C	Mx	.000963	30
52	MP3C	X	3.851	54
53	MP3C	Z	0	54
54	MP3C	Mx	.000963	54
55	MP1A	X	2.498	45
56	MP1A	Z	0	45
57	MP1A	Mx	.001	45
58	MP1B	X	3.416	45
59	MP1B	Z	0	45
60	MP1B	Mx	-.000854	45
61	MP1C	X	3.416	45
62	MP1C	Z	0	45
63	MP1C	Mx	-.000854	45
64	MP2A	X	3.062	45
65	MP2A	Z	0	45
66	MP2A	Mx	.002	45
67	MP2B	X	4.134	45
68	MP2B	Z	0	45
69	MP2B	Mx	-.001	45
70	MP2C	X	4.134	45
71	MP2C	Z	0	45
72	MP2C	Mx	-.001	45
73	MP2A	X	.875	84
74	MP2A	Z	0	84
75	MP2A	Mx	.000438	84
76	MP2B	X	1.768	84
77	MP2B	Z	0	84
78	MP2B	Mx	-.000442	84
79	MP2C	X	1.768	84
80	MP2C	Z	0	84
81	MP2C	Mx	-.000442	84
82	M113	X	6.244	12
83	M113	Z	0	12
84	M113	Mx	0	12
85	M113	X	6.244	12
86	M113	Z	0	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	3.229	18
2	MP2A	Z	1.864	18
3	MP2A	Mx	-.003	18
4	MP2A	X	3.229	66
5	MP2A	Z	1.864	66
6	MP2A	Mx	-.003	66
7	MP2B	X	5.647	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
8	MP2B	Z	3.26	18
9	MP2B	Mx	.004	18
10	MP2B	X	5.647	66
11	MP2B	Z	3.26	66
12	MP2B	Mx	.004	66
13	MP2C	X	3.229	18
14	MP2C	Z	1.864	18
15	MP2C	Mx	.000527	18
16	MP2C	X	3.229	66
17	MP2C	Z	1.864	66
18	MP2C	Mx	.000527	66
19	MP2A	X	6.259	18
20	MP2A	Z	3.614	18
21	MP2A	Mx	-.001	18
22	MP2A	X	6.259	66
23	MP2A	Z	3.614	66
24	MP2A	Mx	-.001	66
25	MP2B	X	8.371	18
26	MP2B	Z	4.833	18
27	MP2B	Mx	-.006	18
28	MP2B	X	8.371	66
29	MP2B	Z	4.833	66
30	MP2B	Mx	-.006	66
31	MP2C	X	6.259	18
32	MP2C	Z	3.614	18
33	MP2C	Mx	.005	18
34	MP2C	X	6.259	66
35	MP2C	Z	3.614	66
36	MP2C	Mx	.005	66
37	MP3A	X	2.124	30
38	MP3A	Z	1.226	30
39	MP3A	Mx	-.001	30
40	MP3A	X	2.124	54
41	MP3A	Z	1.226	54
42	MP3A	Mx	-.001	54
43	MP3B	X	3.941	30
44	MP3B	Z	2.276	30
45	MP3B	Mx	0	30
46	MP3B	X	3.941	54
47	MP3B	Z	2.276	54
48	MP3B	Mx	0	54
49	MP3C	X	2.124	30
50	MP3C	Z	1.226	30
51	MP3C	Mx	.001	30
52	MP3C	X	2.124	54
53	MP3C	Z	1.226	54
54	MP3C	Mx	.001	54
55	MP1A	X	2.428	45
56	MP1A	Z	1.402	45
57	MP1A	Mx	.001	45
58	MP1B	X	3.224	45
59	MP1B	Z	1.861	45
60	MP1B	Mx	0	45
61	MP1C	X	2.428	45
62	MP1C	Z	1.402	45
63	MP1C	Mx	-.001	45
64	MP2A	X	2.961	45
65	MP2A	Z	1.71	45
66	MP2A	Mx	.001	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
67	MP2B	X	3.889	45
68	MP2B	Z	2.246	45
69	MP2B	Mx	0	45
70	MP2C	X	2.961	45
71	MP2C	Z	1.71	45
72	MP2C	Mx	-.001	45
73	MP2A	X	1.015	84
74	MP2A	Z	.586	84
75	MP2A	Mx	.000508	84
76	MP2B	X	1.789	84
77	MP2B	Z	1.033	84
78	MP2B	Mx	0	84
79	MP2C	X	1.015	84
80	MP2C	Z	.586	84
81	MP2C	Mx	-.000507	84
82	M113	X	6.198	12
83	M113	Z	3.578	12
84	M113	Mx	0	12
85	M113	X	6.198	12
86	M113	Z	3.578	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	2.795	18
2	MP2A	Z	4.841	18
3	MP2A	Mx	-.004	18
4	MP2A	X	2.795	66
5	MP2A	Z	4.841	66
6	MP2A	Mx	-.004	66
7	MP2B	X	2.795	18
8	MP2B	Z	4.841	18
9	MP2B	Mx	.001	18
10	MP2B	X	2.795	66
11	MP2B	Z	4.841	66
12	MP2B	Mx	.001	66
13	MP2C	X	1.399	18
14	MP2C	Z	2.423	18
15	MP2C	Mx	.001	18
16	MP2C	X	1.399	66
17	MP2C	Z	2.423	66
18	MP2C	Mx	.001	66
19	MP2A	X	4.427	18
20	MP2A	Z	7.667	18
21	MP2A	Mx	.002	18
22	MP2A	X	4.427	66
23	MP2A	Z	7.667	66
24	MP2A	Mx	.002	66
25	MP2B	X	4.427	18
26	MP2B	Z	7.667	18
27	MP2B	Mx	-.007	18
28	MP2B	X	4.427	66
29	MP2B	Z	7.667	66
30	MP2B	Mx	-.007	66
31	MP2C	X	3.207	18
32	MP2C	Z	5.555	18
33	MP2C	Mx	.003	18
34	MP2C	X	3.207	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
35	MP2C	Z	5.555	66
36	MP2C	Mx	.003	66
37	MP3A	X	1.926	30
38	MP3A	Z	3.335	30
39	MP3A	Mx	-.000963	30
40	MP3A	X	1.926	54
41	MP3A	Z	3.335	54
42	MP3A	Mx	-.000963	54
43	MP3B	X	1.926	30
44	MP3B	Z	3.335	30
45	MP3B	Mx	-.000963	30
46	MP3B	X	1.926	54
47	MP3B	Z	3.335	54
48	MP3B	Mx	-.000963	54
49	MP3C	X	.876	30
50	MP3C	Z	1.518	30
51	MP3C	Mx	.000876	30
52	MP3C	X	.876	54
53	MP3C	Z	1.518	54
54	MP3C	Mx	.000876	54
55	MP1A	X	1.708	45
56	MP1A	Z	2.959	45
57	MP1A	Mx	.000854	45
58	MP1B	X	1.708	45
59	MP1B	Z	2.959	45
60	MP1B	Mx	.000854	45
61	MP1C	X	1.249	45
62	MP1C	Z	2.163	45
63	MP1C	Mx	-.001	45
64	MP2A	X	2.067	45
65	MP2A	Z	3.58	45
66	MP2A	Mx	.001	45
67	MP2B	X	2.067	45
68	MP2B	Z	3.58	45
69	MP2B	Mx	.001	45
70	MP2C	X	1.531	45
71	MP2C	Z	2.652	45
72	MP2C	Mx	-.002	45
73	MP2A	X	.884	84
74	MP2A	Z	1.531	84
75	MP2A	Mx	.000442	84
76	MP2B	X	.884	84
77	MP2B	Z	1.531	84
78	MP2B	Mx	.000442	84
79	MP2C	X	.437	84
80	MP2C	Z	.757	84
81	MP2C	Mx	-.000437	84
82	M113	X	3.807	12
83	M113	Z	6.593	12
84	M113	Mx	0	12
85	M113	X	3.807	12
86	M113	Z	6.593	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	0	18
2	MP2A	Z	6.52	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
3	MP2A	Mx	-.004	18
4	MP2A	X	0	66
5	MP2A	Z	6.52	66
6	MP2A	Mx	-.004	66
7	MP2B	X	0	18
8	MP2B	Z	3.728	18
9	MP2B	Mx	-.000527	18
10	MP2B	X	0	66
11	MP2B	Z	3.728	66
12	MP2B	Mx	-.000527	66
13	MP2C	X	0	18
14	MP2C	Z	3.728	18
15	MP2C	Mx	.003	18
16	MP2C	X	0	66
17	MP2C	Z	3.728	66
18	MP2C	Mx	.003	66
19	MP2A	X	0	18
20	MP2A	Z	9.666	18
21	MP2A	Mx	.006	18
22	MP2A	X	0	66
23	MP2A	Z	9.666	66
24	MP2A	Mx	.006	66
25	MP2B	X	0	18
26	MP2B	Z	7.227	18
27	MP2B	Mx	-.005	18
28	MP2B	X	0	66
29	MP2B	Z	7.227	66
30	MP2B	Mx	-.005	66
31	MP2C	X	0	18
32	MP2C	Z	7.227	18
33	MP2C	Mx	.001	18
34	MP2C	X	0	66
35	MP2C	Z	7.227	66
36	MP2C	Mx	.001	66
37	MP3A	X	0	30
38	MP3A	Z	4.551	30
39	MP3A	Mx	0	30
40	MP3A	X	0	54
41	MP3A	Z	4.551	54
42	MP3A	Mx	0	54
43	MP3B	X	0	30
44	MP3B	Z	2.452	30
45	MP3B	Mx	-.001	30
46	MP3B	X	0	54
47	MP3B	Z	2.452	54
48	MP3B	Mx	-.001	54
49	MP3C	X	0	30
50	MP3C	Z	2.452	30
51	MP3C	Mx	.001	30
52	MP3C	X	0	54
53	MP3C	Z	2.452	54
54	MP3C	Mx	.001	54
55	MP1A	X	0	45
56	MP1A	Z	3.722	45
57	MP1A	Mx	0	45
58	MP1B	X	0	45
59	MP1B	Z	2.804	45
60	MP1B	Mx	.001	45
61	MP1C	X	0	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
62	MP1C	Z	2.804	45
63	MP1C	Mx	-.001	45
64	MP2A	X	0	45
65	MP2A	Z	4.491	45
66	MP2A	Mx	0	45
67	MP2B	X	0	45
68	MP2B	Z	3.419	45
69	MP2B	Mx	.001	45
70	MP2C	X	0	45
71	MP2C	Z	3.419	45
72	MP2C	Mx	-.001	45
73	MP2A	X	0	84
74	MP2A	Z	2.065	84
75	MP2A	Mx	0	84
76	MP2B	X	0	84
77	MP2B	Z	1.172	84
78	MP2B	Mx	.000507	84
79	MP2C	X	0	84
80	MP2C	Z	1.172	84
81	MP2C	Mx	-.000507	84
82	M113	X	0	12
83	M113	Z	7.157	12
84	M113	Mx	0	12
85	M113	X	0	12
86	M113	Z	7.157	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-2.795	18
2	MP2A	Z	4.841	18
3	MP2A	Mx	-.001	18
4	MP2A	X	-2.795	66
5	MP2A	Z	4.841	66
6	MP2A	Mx	-.001	66
7	MP2B	X	-1.399	18
8	MP2B	Z	2.423	18
9	MP2B	Mx	-.001	18
10	MP2B	X	-1.399	66
11	MP2B	Z	2.423	66
12	MP2B	Mx	-.001	66
13	MP2C	X	-2.795	18
14	MP2C	Z	4.841	18
15	MP2C	Mx	.004	18
16	MP2C	X	-2.795	66
17	MP2C	Z	4.841	66
18	MP2C	Mx	.004	66
19	MP2A	X	-4.427	18
20	MP2A	Z	7.667	18
21	MP2A	Mx	.007	18
22	MP2A	X	-4.427	66
23	MP2A	Z	7.667	66
24	MP2A	Mx	.007	66
25	MP2B	X	-3.207	18
26	MP2B	Z	5.555	18
27	MP2B	Mx	-.003	18
28	MP2B	X	-3.207	66
29	MP2B	Z	5.555	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
30	MP2B	Mx	-.003	66
31	MP2C	X	-4.427	18
32	MP2C	Z	7.667	18
33	MP2C	Mx	-.002	18
34	MP2C	X	-4.427	66
35	MP2C	Z	7.667	66
36	MP2C	Mx	-.002	66
37	MP3A	X	-1.926	30
38	MP3A	Z	3.335	30
39	MP3A	Mx	.000963	30
40	MP3A	X	-1.926	54
41	MP3A	Z	3.335	54
42	MP3A	Mx	.000963	54
43	MP3B	X	-.876	30
44	MP3B	Z	1.518	30
45	MP3B	Mx	-.000876	30
46	MP3B	X	-.876	54
47	MP3B	Z	1.518	54
48	MP3B	Mx	-.000876	54
49	MP3C	X	-1.926	30
50	MP3C	Z	3.335	30
51	MP3C	Mx	.000963	30
52	MP3C	X	-1.926	54
53	MP3C	Z	3.335	54
54	MP3C	Mx	.000963	54
55	MP1A	X	-1.708	45
56	MP1A	Z	2.959	45
57	MP1A	Mx	-.000854	45
58	MP1B	X	-1.249	45
59	MP1B	Z	2.163	45
60	MP1B	Mx	.001	45
61	MP1C	X	-1.708	45
62	MP1C	Z	2.959	45
63	MP1C	Mx	-.000854	45
64	MP2A	X	-2.067	45
65	MP2A	Z	3.58	45
66	MP2A	Mx	-.001	45
67	MP2B	X	-1.531	45
68	MP2B	Z	2.652	45
69	MP2B	Mx	.002	45
70	MP2C	X	-2.067	45
71	MP2C	Z	3.58	45
72	MP2C	Mx	-.001	45
73	MP2A	X	-.884	84
74	MP2A	Z	1.531	84
75	MP2A	Mx	-.000442	84
76	MP2B	X	-.437	84
77	MP2B	Z	.757	84
78	MP2B	Mx	.000437	84
79	MP2C	X	-.884	84
80	MP2C	Z	1.531	84
81	MP2C	Mx	-.000442	84
82	M113	X	-3.122	12
83	M113	Z	5.408	12
84	M113	Mx	0	12
85	M113	X	-3.122	12
86	M113	Z	5.408	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-3.229	18
2	MP2A	Z	1.864	18
3	MP2A	Mx	.000527	18
4	MP2A	X	-3.229	66
5	MP2A	Z	1.864	66
6	MP2A	Mx	.000527	66
7	MP2B	X	-3.229	18
8	MP2B	Z	1.864	18
9	MP2B	Mx	-.003	18
10	MP2B	X	-3.229	66
11	MP2B	Z	1.864	66
12	MP2B	Mx	-.003	66
13	MP2C	X	-5.647	18
14	MP2C	Z	3.26	18
15	MP2C	Mx	.004	18
16	MP2C	X	-5.647	66
17	MP2C	Z	3.26	66
18	MP2C	Mx	.004	66
19	MP2A	X	-6.259	18
20	MP2A	Z	3.614	18
21	MP2A	Mx	.005	18
22	MP2A	X	-6.259	66
23	MP2A	Z	3.614	66
24	MP2A	Mx	.005	66
25	MP2B	X	-6.259	18
26	MP2B	Z	3.614	18
27	MP2B	Mx	-.001	18
28	MP2B	X	-6.259	66
29	MP2B	Z	3.614	66
30	MP2B	Mx	-.001	66
31	MP2C	X	-8.371	18
32	MP2C	Z	4.833	18
33	MP2C	Mx	-.006	18
34	MP2C	X	-8.371	66
35	MP2C	Z	4.833	66
36	MP2C	Mx	-.006	66
37	MP3A	X	-2.124	30
38	MP3A	Z	1.226	30
39	MP3A	Mx	.001	30
40	MP3A	X	-2.124	54
41	MP3A	Z	1.226	54
42	MP3A	Mx	.001	54
43	MP3B	X	-2.124	30
44	MP3B	Z	1.226	30
45	MP3B	Mx	-.001	30
46	MP3B	X	-2.124	54
47	MP3B	Z	1.226	54
48	MP3B	Mx	-.001	54
49	MP3C	X	-3.941	30
50	MP3C	Z	2.276	30
51	MP3C	Mx	0	30
52	MP3C	X	-3.941	54
53	MP3C	Z	2.276	54
54	MP3C	Mx	0	54
55	MP1A	X	-2.428	45
56	MP1A	Z	1.402	45
57	MP1A	Mx	-.001	45
58	MP1B	X	-2.428	45
59	MP1B	Z	1.402	45

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
60	MP1B	Mx	.001	45
61	MP1C	X	-3.224	45
62	MP1C	Z	1.861	45
63	MP1C	Mx	0	45
64	MP2A	X	-2.961	45
65	MP2A	Z	1.71	45
66	MP2A	Mx	-.001	45
67	MP2B	X	-2.961	45
68	MP2B	Z	1.71	45
69	MP2B	Mx	.001	45
70	MP2C	X	-3.889	45
71	MP2C	Z	2.246	45
72	MP2C	Mx	0	45
73	MP2A	X	-1.015	84
74	MP2A	Z	.586	84
75	MP2A	Mx	-.000508	84
76	MP2B	X	-1.015	84
77	MP2B	Z	.586	84
78	MP2B	Mx	.000507	84
79	MP2C	X	-1.789	84
80	MP2C	Z	1.033	84
81	MP2C	Mx	0	84
82	M113	X	-5.012	12
83	M113	Z	2.894	12
84	M113	Mx	0	12
85	M113	X	-5.012	12
86	M113	Z	2.894	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-2.798	18
2	MP2A	Z	0	18
3	MP2A	Mx	.001	18
4	MP2A	X	-2.798	66
5	MP2A	Z	0	66
6	MP2A	Mx	.001	66
7	MP2B	X	-5.59	18
8	MP2B	Z	0	18
9	MP2B	Mx	-.004	18
10	MP2B	X	-5.59	66
11	MP2B	Z	0	66
12	MP2B	Mx	-.004	66
13	MP2C	X	-5.59	18
14	MP2C	Z	0	18
15	MP2C	Mx	.001	18
16	MP2C	X	-5.59	66
17	MP2C	Z	0	66
18	MP2C	Mx	.001	66
19	MP2A	X	-6.414	18
20	MP2A	Z	0	18
21	MP2A	Mx	.003	18
22	MP2A	X	-6.414	66
23	MP2A	Z	0	66
24	MP2A	Mx	.003	66
25	MP2B	X	-8.853	18
26	MP2B	Z	0	18
27	MP2B	Mx	.002	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
28	MP2B	X	-8.853	66
29	MP2B	Z	0	66
30	MP2B	Mx	.002	66
31	MP2C	X	-8.853	18
32	MP2C	Z	0	18
33	MP2C	Mx	-.007	18
34	MP2C	X	-8.853	66
35	MP2C	Z	0	66
36	MP2C	Mx	-.007	66
37	MP3A	X	-1.753	30
38	MP3A	Z	0	30
39	MP3A	Mx	.000876	30
40	MP3A	X	-1.753	54
41	MP3A	Z	0	54
42	MP3A	Mx	.000876	54
43	MP3B	X	-3.851	30
44	MP3B	Z	0	30
45	MP3B	Mx	-.000963	30
46	MP3B	X	-3.851	54
47	MP3B	Z	0	54
48	MP3B	Mx	-.000963	54
49	MP3C	X	-3.851	30
50	MP3C	Z	0	30
51	MP3C	Mx	-.000963	30
52	MP3C	X	-3.851	54
53	MP3C	Z	0	54
54	MP3C	Mx	-.000963	54
55	MP1A	X	-2.498	45
56	MP1A	Z	0	45
57	MP1A	Mx	-.001	45
58	MP1B	X	-3.416	45
59	MP1B	Z	0	45
60	MP1B	Mx	.000854	45
61	MP1C	X	-3.416	45
62	MP1C	Z	0	45
63	MP1C	Mx	.000854	45
64	MP2A	X	-3.062	45
65	MP2A	Z	0	45
66	MP2A	Mx	-.002	45
67	MP2B	X	-4.134	45
68	MP2B	Z	0	45
69	MP2B	Mx	.001	45
70	MP2C	X	-4.134	45
71	MP2C	Z	0	45
72	MP2C	Mx	.001	45
73	MP2A	X	-.875	84
74	MP2A	Z	0	84
75	MP2A	Mx	-.000438	84
76	MP2B	X	-1.768	84
77	MP2B	Z	0	84
78	MP2B	Mx	.000442	84
79	MP2C	X	-1.768	84
80	MP2C	Z	0	84
81	MP2C	Mx	.000442	84
82	M113	X	-6.244	12
83	M113	Z	0	12
84	M113	Mx	0	12
85	M113	X	-6.244	12
86	M113	Z	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-3.229	18
2	MP2A	Z	-1.864	18
3	MP2A	Mx	.003	18
4	MP2A	X	-3.229	66
5	MP2A	Z	-1.864	66
6	MP2A	Mx	.003	66
7	MP2B	X	-5.647	18
8	MP2B	Z	-3.26	18
9	MP2B	Mx	-.004	18
10	MP2B	X	-5.647	66
11	MP2B	Z	-3.26	66
12	MP2B	Mx	-.004	66
13	MP2C	X	-3.229	18
14	MP2C	Z	-1.864	18
15	MP2C	Mx	-.000527	18
16	MP2C	X	-3.229	66
17	MP2C	Z	-1.864	66
18	MP2C	Mx	-.000527	66
19	MP2A	X	-6.259	18
20	MP2A	Z	-3.614	18
21	MP2A	Mx	.001	18
22	MP2A	X	-6.259	66
23	MP2A	Z	-3.614	66
24	MP2A	Mx	.001	66
25	MP2B	X	-8.371	18
26	MP2B	Z	-4.833	18
27	MP2B	Mx	.006	18
28	MP2B	X	-8.371	66
29	MP2B	Z	-4.833	66
30	MP2B	Mx	.006	66
31	MP2C	X	-6.259	18
32	MP2C	Z	-3.614	18
33	MP2C	Mx	-.005	18
34	MP2C	X	-6.259	66
35	MP2C	Z	-3.614	66
36	MP2C	Mx	-.005	66
37	MP3A	X	-2.124	30
38	MP3A	Z	-1.226	30
39	MP3A	Mx	.001	30
40	MP3A	X	-2.124	54
41	MP3A	Z	-1.226	54
42	MP3A	Mx	.001	54
43	MP3B	X	-3.941	30
44	MP3B	Z	-2.276	30
45	MP3B	Mx	0	30
46	MP3B	X	-3.941	54
47	MP3B	Z	-2.276	54
48	MP3B	Mx	0	54
49	MP3C	X	-2.124	30
50	MP3C	Z	-1.226	30
51	MP3C	Mx	-.001	30
52	MP3C	X	-2.124	54
53	MP3C	Z	-1.226	54
54	MP3C	Mx	-.001	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
55	MP1A	X	-2.428	45
56	MP1A	Z	-1.402	45
57	MP1A	Mx	-.001	45
58	MP1B	X	-3.224	45
59	MP1B	Z	-1.861	45
60	MP1B	Mx	0	45
61	MP1C	X	-2.428	45
62	MP1C	Z	-1.402	45
63	MP1C	Mx	.001	45
64	MP2A	X	-2.961	45
65	MP2A	Z	-1.71	45
66	MP2A	Mx	-.001	45
67	MP2B	X	-3.889	45
68	MP2B	Z	-2.246	45
69	MP2B	Mx	0	45
70	MP2C	X	-2.961	45
71	MP2C	Z	-1.71	45
72	MP2C	Mx	.001	45
73	MP2A	X	-1.015	84
74	MP2A	Z	-.586	84
75	MP2A	Mx	-.000508	84
76	MP2B	X	-1.789	84
77	MP2B	Z	-1.033	84
78	MP2B	Mx	0	84
79	MP2C	X	-1.015	84
80	MP2C	Z	-.586	84
81	MP2C	Mx	.000507	84
82	M113	X	-6.198	12
83	M113	Z	-3.578	12
84	M113	Mx	0	12
85	M113	X	-6.198	12
86	M113	Z	-3.578	12
87	M113	Mx	0	12

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-2.795	18
2	MP2A	Z	-4.841	18
3	MP2A	Mx	.004	18
4	MP2A	X	-2.795	66
5	MP2A	Z	-4.841	66
6	MP2A	Mx	.004	66
7	MP2B	X	-2.795	18
8	MP2B	Z	-4.841	18
9	MP2B	Mx	-.001	18
10	MP2B	X	-2.795	66
11	MP2B	Z	-4.841	66
12	MP2B	Mx	-.001	66
13	MP2C	X	-1.399	18
14	MP2C	Z	-2.423	18
15	MP2C	Mx	-.001	18
16	MP2C	X	-1.399	66
17	MP2C	Z	-2.423	66
18	MP2C	Mx	-.001	66
19	MP2A	X	-4.427	18
20	MP2A	Z	-7.667	18
21	MP2A	Mx	-.002	18
22	MP2A	X	-4.427	66

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
23	MP2A	Z	-7.667	66
24	MP2A	Mx	-.002	66
25	MP2B	X	-4.427	18
26	MP2B	Z	-7.667	18
27	MP2B	Mx	.007	18
28	MP2B	X	-4.427	66
29	MP2B	Z	-7.667	66
30	MP2B	Mx	.007	66
31	MP2C	X	-3.207	18
32	MP2C	Z	-5.555	18
33	MP2C	Mx	-.003	18
34	MP2C	X	-3.207	66
35	MP2C	Z	-5.555	66
36	MP2C	Mx	-.003	66
37	MP3A	X	-1.926	30
38	MP3A	Z	-3.335	30
39	MP3A	Mx	.000963	30
40	MP3A	X	-1.926	54
41	MP3A	Z	-3.335	54
42	MP3A	Mx	.000963	54
43	MP3B	X	-1.926	30
44	MP3B	Z	-3.335	30
45	MP3B	Mx	.000963	30
46	MP3B	X	-1.926	54
47	MP3B	Z	-3.335	54
48	MP3B	Mx	.000963	54
49	MP3C	X	-.876	30
50	MP3C	Z	-1.518	30
51	MP3C	Mx	-.000876	30
52	MP3C	X	-.876	54
53	MP3C	Z	-1.518	54
54	MP3C	Mx	-.000876	54
55	MP1A	X	-1.708	45
56	MP1A	Z	-2.959	45
57	MP1A	Mx	-.000854	45
58	MP1B	X	-1.708	45
59	MP1B	Z	-2.959	45
60	MP1B	Mx	-.000854	45
61	MP1C	X	-1.249	45
62	MP1C	Z	-2.163	45
63	MP1C	Mx	.001	45
64	MP2A	X	-2.067	45
65	MP2A	Z	-3.58	45
66	MP2A	Mx	-.001	45
67	MP2B	X	-2.067	45
68	MP2B	Z	-3.58	45
69	MP2B	Mx	-.001	45
70	MP2C	X	-1.531	45
71	MP2C	Z	-2.652	45
72	MP2C	Mx	.002	45
73	MP2A	X	-.884	84
74	MP2A	Z	-1.531	84
75	MP2A	Mx	-.000442	84
76	MP2B	X	-.884	84
77	MP2B	Z	-1.531	84
78	MP2B	Mx	-.000442	84
79	MP2C	X	-.437	84
80	MP2C	Z	-.757	84
81	MP2C	Mx	.000437	84

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
82	M113	X	-3.807	12
83	M113	Z	-6.593	12
84	M113	Mx	0	12
85	M113	X	-3.807	12
86	M113	Z	-6.593	12
87	M113	Mx	0	12

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M127	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M88	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Y	0	18
2	MP2A	My	0	18
3	MP2A	Mz	0	18
4	MP2A	Y	0	66
5	MP2A	My	0	66
6	MP2A	Mz	0	66
7	MP2B	Y	0	18
8	MP2B	My	0	18
9	MP2B	Mz	0	18
10	MP2B	Y	0	66
11	MP2B	My	0	66
12	MP2B	Mz	0	66
13	MP2C	Y	0	18
14	MP2C	My	0	18
15	MP2C	Mz	0	18
16	MP2C	Y	0	66
17	MP2C	My	0	66
18	MP2C	Mz	0	66
19	MP2A	Y	0	18
20	MP2A	My	0	18
21	MP2A	Mz	0	18
22	MP2A	Y	0	66
23	MP2A	My	0	66
24	MP2A	Mz	0	66
25	MP2B	Y	0	18
26	MP2B	My	0	18
27	MP2B	Mz	0	18
28	MP2B	Y	0	66
29	MP2B	My	0	66
30	MP2B	Mz	0	66
31	MP2C	Y	0	18

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
32	MP2C	My	0	18
33	MP2C	Mz	0	18
34	MP2C	Y	0	66
35	MP2C	My	0	66
36	MP2C	Mz	0	66
37	MP3A	Y	0	30
38	MP3A	My	0	30
39	MP3A	Mz	0	30
40	MP3A	Y	0	54
41	MP3A	My	0	54
42	MP3A	Mz	0	54
43	MP3B	Y	0	30
44	MP3B	My	0	30
45	MP3B	Mz	0	30
46	MP3B	Y	0	54
47	MP3B	My	0	54
48	MP3B	Mz	0	54
49	MP3C	Y	0	30
50	MP3C	My	0	30
51	MP3C	Mz	0	30
52	MP3C	Y	0	54
53	MP3C	My	0	54
54	MP3C	Mz	0	54
55	MP1A	Y	0	45
56	MP1A	My	0	45
57	MP1A	Mz	0	45
58	MP1B	Y	0	45
59	MP1B	My	0	45
60	MP1B	Mz	0	45
61	MP1C	Y	0	45
62	MP1C	My	0	45
63	MP1C	Mz	0	45
64	MP2A	Y	0	45
65	MP2A	My	0	45
66	MP2A	Mz	0	45
67	MP2B	Y	0	45
68	MP2B	My	0	45
69	MP2B	Mz	0	45
70	MP2C	Y	0	45
71	MP2C	My	0	45
72	MP2C	Mz	0	45
73	MP2A	Y	0	84
74	MP2A	My	0	84
75	MP2A	Mz	0	84
76	MP2B	Y	0	84
77	MP2B	My	0	84
78	MP2B	Mz	0	84
79	MP2C	Y	0	84
80	MP2C	My	0	84
81	MP2C	Mz	0	84
82	M113	Y	0	12
83	M113	My	0	12
84	M113	Mz	0	12
85	M113	Y	0	12
86	M113	My	0	12
87	M113	Mz	0	12

Member Point Loads (BLC 82 : Antenna Eh (0 Deg))

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

Member Point Loads (BLC 82 : Antenna Eh (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	Z	-.655	18
2	MP2A	Mx	.000382	18
3	MP2A	Z	-.655	66
4	MP2A	Mx	.000382	66
5	MP2B	Z	-.655	18
6	MP2B	Mx	9.3e-5	18
7	MP2B	Z	-.655	66
8	MP2B	Mx	9.3e-5	66
9	MP2C	Z	-.655	18
10	MP2C	Mx	-.000475	18
11	MP2C	Z	-.655	66
12	MP2C	Mx	-.000475	66
13	MP2A	Z	-.969	18
14	MP2A	Mx	-.000565	18
15	MP2A	Z	-.969	66
16	MP2A	Mx	-.000565	66
17	MP2B	Z	-.969	18
18	MP2B	Mx	.000702	18
19	MP2B	Z	-.969	66
20	MP2B	Mx	.000702	66
21	MP2C	Z	-.969	18
22	MP2C	Mx	-.000137	18
23	MP2C	Z	-.969	66
24	MP2C	Mx	-.000137	66
25	MP3A	Z	-.86	30
26	MP3A	Mx	0	30
27	MP3A	Z	-.86	54
28	MP3A	Mx	0	54
29	MP3B	Z	-.86	30
30	MP3B	Mx	.000372	30
31	MP3B	Z	-.86	54
32	MP3B	Mx	.000372	54
33	MP3C	Z	-.86	30
34	MP3C	Mx	-.000372	30
35	MP3C	Z	-.86	54
36	MP3C	Mx	-.000372	54
37	MP1A	Z	-2.241	45
38	MP1A	Mx	0	45
39	MP1B	Z	-2.241	45
40	MP1B	Mx	-.00097	45
41	MP1C	Z	-2.241	45
42	MP1C	Mx	.00097	45
43	MP2A	Z	-2.373	45
44	MP2A	Mx	0	45
45	MP2B	Z	-2.373	45
46	MP2B	Mx	-.001	45
47	MP2C	Z	-2.373	45
48	MP2C	Mx	.001	45
49	MP2A	Z	-.462	84
50	MP2A	Mx	0	84
51	MP2B	Z	-.462	84
52	MP2B	Mx	-.0002	84
53	MP2C	Z	-.462	84
54	MP2C	Mx	.0002	84
55	M113	Z	-.96	12
56	M113	Mx	0	12
57	M113	Z	-.96	12
58	M113	Mx	0	12

Member Point Loads (BLC 83 : Antenna Eh (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	.655	18
2	MP2A	Mx	-.000328	18
3	MP2A	X	.655	66
4	MP2A	Mx	-.000328	66
5	MP2B	X	.655	18
6	MP2B	Mx	.000495	18
7	MP2B	X	.655	66
8	MP2B	Mx	.000495	66
9	MP2C	X	.655	18
10	MP2C	Mx	-.000167	18
11	MP2C	X	.655	66
12	MP2C	Mx	-.000167	66
13	MP2A	X	.969	18
14	MP2A	Mx	-.000485	18
15	MP2A	X	.969	66
16	MP2A	Mx	-.000485	66
17	MP2B	X	.969	18
18	MP2B	Mx	-.000247	18
19	MP2B	X	.969	66
20	MP2B	Mx	-.000247	66
21	MP2C	X	.969	18
22	MP2C	Mx	.000732	18
23	MP2C	X	.969	66
24	MP2C	Mx	.000732	66
25	MP3A	X	.86	30
26	MP3A	Mx	-.00043	30
27	MP3A	X	.86	54
28	MP3A	Mx	-.00043	54
29	MP3B	X	.86	30
30	MP3B	Mx	.000215	30
31	MP3B	X	.86	54
32	MP3B	Mx	.000215	54
33	MP3C	X	.86	30
34	MP3C	Mx	.000215	30
35	MP3C	X	.86	54
36	MP3C	Mx	.000215	54
37	MP1A	X	2.241	45
38	MP1A	Mx	.001	45
39	MP1B	X	2.241	45
40	MP1B	Mx	-.00056	45
41	MP1C	X	2.241	45
42	MP1C	Mx	-.00056	45
43	MP2A	X	2.373	45
44	MP2A	Mx	.001	45
45	MP2B	X	2.373	45
46	MP2B	Mx	-.000593	45
47	MP2C	X	2.373	45
48	MP2C	Mx	-.000593	45
49	MP2A	X	.462	84
50	MP2A	Mx	.000231	84
51	MP2B	X	.462	84
52	MP2B	Mx	-.000116	84
53	MP2C	X	.462	84
54	MP2C	Mx	-.000116	84
55	M113	X	.96	12
56	M113	Mx	0	12
57	M113	X	.96	12
58	M113	Mx	0	12

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	Y	-5.361	-5.361	0	%100
2	M7	Y	-5.361	-5.361	0	%100
3	M8	Y	-5.361	-5.361	0	%100
4	M21	Y	-5.361	-5.361	0	%100
5	M22	Y	-5.361	-5.361	0	%100
6	M23	Y	-5.361	-5.361	0	%100
7	M31	Y	-10.638	-10.638	0	%100
8	M32	Y	-7.285	-7.285	0	%100
9	M33	Y	-7.285	-7.285	0	%100
10	M34	Y	-7.285	-7.285	0	%100
11	M35	Y	-7.285	-7.285	0	%100
12	M36	Y	-5.361	-5.361	0	%100
13	M37	Y	-5.361	-5.361	0	%100
14	M38	Y	-5.361	-5.361	0	%100
15	M46	Y	-7.285	-7.285	0	%100
16	M47	Y	-7.285	-7.285	0	%100
17	M1	Y	-7.285	-7.285	0	%100
18	M58	Y	-4.098	-4.098	0	%100
19	M70	Y	-4.098	-4.098	0	%100
20	M82	Y	-4.098	-4.098	0	%100
21	MP1A	Y	-5.425	-5.425	0	%100
22	M132A	Y	-7.285	-7.285	0	%100
23	M133A	Y	-7.285	-7.285	0	%100
24	M134A	Y	-7.285	-7.285	0	%100
25	M135A	Y	-7.285	-7.285	0	%100
26	M140	Y	-7.285	-7.285	0	%100
27	M141	Y	-7.285	-7.285	0	%100
28	M142	Y	-7.285	-7.285	0	%100
29	M143	Y	-7.285	-7.285	0	%100
30	M125	Y	-7.465	-7.465	0	%100
31	M127A	Y	-6.275	-6.275	0	%100
32	M128A	Y	-6.275	-6.275	0	%100
33	M129	Y	-6.275	-6.275	0	%100
34	M127B	Y	-6.979	-6.979	0	%100
35	M128B	Y	-6.979	-6.979	0	%100
36	M129A	Y	-6.979	-6.979	0	%100
37	M99	Y	-10.638	-10.638	0	%100
38	M100A	Y	-7.465	-7.465	0	%100
39	M101A	Y	-10.638	-10.638	0	%100
40	M102	Y	-7.465	-7.465	0	%100
41	MP2A	Y	-5.425	-5.425	0	%100
42	MP3A	Y	-5.425	-5.425	0	%100
43	MP1C	Y	-5.425	-5.425	0	%100
44	MP2C	Y	-5.425	-5.425	0	%100
45	MP3C	Y	-5.425	-5.425	0	%100
46	MP1B	Y	-5.425	-5.425	0	%100
47	MP2B	Y	-5.425	-5.425	0	%100
48	MP3B	Y	-5.425	-5.425	0	%100
49	M113	Y	-4.744	-4.744	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	0	0	0	%100
2	M6	Z	-2.733	-2.733	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-2.192	-2.192	0	%100
5	M8	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
6	M8	Z	-10.998	-10.998	0	%100
7	M21	X	0	0	0	%100
8	M21	Z	-10.998	-10.998	0	%100
9	M22	X	0	0	0	%100
10	M22	Z	-2.192	-2.192	0	%100
11	M23	X	0	0	0	%100
12	M23	Z	-2.733	-2.733	0	%100
13	M31	X	0	0	0	%100
14	M31	Z	0	0	0	%100
15	M32	X	0	0	0	%100
16	M32	Z	-8.811	-8.811	0	%100
17	M33	X	0	0	0	%100
18	M33	Z	-8.811	-8.811	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	-7.854	-7.854	0	%100
21	M35	X	0	0	0	%100
22	M35	Z	-7.854	-7.854	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	-2.766	-2.766	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	-8.767	-8.767	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	-2.766	-2.766	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	-2.757	-2.757	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	-2.757	-2.757	0	%100
33	M1	X	0	0	0	%100
34	M1	Z	-11.028	-11.028	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	-6.705	-6.705	0	%100
37	M70	X	0	0	0	%100
38	M70	Z	-1.676	-1.676	0	%100
39	M82	X	0	0	0	%100
40	M82	Z	-1.676	-1.676	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	-10.146	-10.146	0	%100
43	M132A	X	0	0	0	%100
44	M132A	Z	-2.203	-2.203	0	%100
45	M133A	X	0	0	0	%100
46	M133A	Z	-2.203	-2.203	0	%100
47	M134A	X	0	0	0	%100
48	M134A	Z	-1.963	-1.963	0	%100
49	M135A	X	0	0	0	%100
50	M135A	Z	-1.963	-1.963	0	%100
51	M140	X	0	0	0	%100
52	M140	Z	-2.203	-2.203	0	%100
53	M141	X	0	0	0	%100
54	M141	Z	-2.203	-2.203	0	%100
55	M142	X	0	0	0	%100
56	M142	Z	-1.963	-1.963	0	%100
57	M143	X	0	0	0	%100
58	M143	Z	-1.963	-1.963	0	%100
59	M125	X	0	0	0	%100
60	M125	Z	-3.672	-3.672	0	%100
61	M127A	X	0	0	0	%100
62	M127A	Z	-9.215	-9.215	0	%100
63	M128A	X	0	0	0	%100
64	M128A	Z	-9.215	-9.215	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
65	M129	X	0	0	0	%100
66	M129	Z	-9.215	-9.215	0	%100
67	M127B	X	0	0	0	%100
68	M127B	Z	-.403	-.403	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	-.403	-.403	0	%100
71	M129A	X	0	0	0	%100
72	M129A	Z	-1.612	-1.612	0	%100
73	M99	X	0	0	0	%100
74	M99	Z	-6.245	-6.245	0	%100
75	M100A	X	0	0	0	%100
76	M100A	Z	-9.649	-9.649	0	%100
77	M101A	X	0	0	0	%100
78	M101A	Z	-6.245	-6.245	0	%100
79	M102	X	0	0	0	%100
80	M102	Z	-9.649	-9.649	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-10.146	-10.146	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-10.146	-10.146	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-10.146	-10.146	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	-10.146	-10.146	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-10.146	-10.146	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	-10.146	-10.146	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	-10.146	-10.146	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-10.146	-10.146	0	%100
97	M113	X	0	0	0	%100
98	M113	Z	-7.638	-7.638	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	1.6e-5	1.6e-5	0	%100
2	M6	Z	-2.8e-5	-2.8e-5	0	%100
3	M7	X	3.288	3.288	0	%100
4	M7	Z	-5.695	-5.695	0	%100
5	M8	X	4.132	4.132	0	%100
6	M8	Z	-7.157	-7.157	0	%100
7	M21	X	4.116	4.116	0	%100
8	M21	Z	-7.129	-7.129	0	%100
9	M22	X	0	0	0	%100
10	M22	Z	0	0	0	%100
11	M23	X	4.116	4.116	0	%100
12	M23	Z	-7.129	-7.129	0	%100
13	M31	X	1.041	1.041	0	%100
14	M31	Z	-1.803	-1.803	0	%100
15	M32	X	3.304	3.304	0	%100
16	M32	Z	-5.723	-5.723	0	%100
17	M33	X	3.304	3.304	0	%100
18	M33	Z	-5.723	-5.723	0	%100
19	M34	X	2.945	2.945	0	%100
20	M34	Z	-5.101	-5.101	0	%100
21	M35	X	2.945	2.945	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
22	M35	Z	-5.101	-5.101	0	%100
23	M36	X	4.132	4.132	0	%100
24	M36	Z	-7.157	-7.157	0	%100
25	M37	X	3.288	3.288	0	%100
26	M37	Z	-5.695	-5.695	0	%100
27	M38	X	1.6e-5	1.6e-5	0	%100
28	M38	Z	-2.8e-5	-2.8e-5	0	%100
29	M46	X	4.136	4.136	0	%100
30	M46	Z	-7.163	-7.163	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	0	0	0	%100
33	M1	X	4.136	4.136	0	%100
34	M1	Z	-7.163	-7.163	0	%100
35	M58	X	2.514	2.514	0	%100
36	M58	Z	-4.355	-4.355	0	%100
37	M70	X	2.514	2.514	0	%100
38	M70	Z	-4.355	-4.355	0	%100
39	M82	X	0	0	0	%100
40	M82	Z	0	0	0	%100
41	MP1A	X	5.073	5.073	0	%100
42	MP1A	Z	-8.787	-8.787	0	%100
43	M132A	X	3.304	3.304	0	%100
44	M132A	Z	-5.723	-5.723	0	%100
45	M133A	X	3.304	3.304	0	%100
46	M133A	Z	-5.723	-5.723	0	%100
47	M134A	X	2.945	2.945	0	%100
48	M134A	Z	-5.101	-5.101	0	%100
49	M135A	X	2.945	2.945	0	%100
50	M135A	Z	-5.101	-5.101	0	%100
51	M140	X	0	0	0	%100
52	M140	Z	0	0	0	%100
53	M141	X	0	0	0	%100
54	M141	Z	0	0	0	%100
55	M142	X	0	0	0	%100
56	M142	Z	0	0	0	%100
57	M143	X	0	0	0	%100
58	M143	Z	0	0	0	%100
59	M125	X	2.832	2.832	0	%100
60	M125	Z	-4.905	-4.905	0	%100
61	M127A	X	4.607	4.607	0	%100
62	M127A	Z	-7.98	-7.98	0	%100
63	M128A	X	4.607	4.607	0	%100
64	M128A	Z	-7.98	-7.98	0	%100
65	M129	X	4.607	4.607	0	%100
66	M129	Z	-7.98	-7.98	0	%100
67	M127B	X	0	0	0	%100
68	M127B	Z	0	0	0	%100
69	M128B	X	.605	.605	0	%100
70	M128B	Z	-1.047	-1.047	0	%100
71	M129A	X	.605	.605	0	%100
72	M129A	Z	-1.047	-1.047	0	%100
73	M99	X	1.041	1.041	0	%100
74	M99	Z	-1.803	-1.803	0	%100
75	M100A	X	2.832	2.832	0	%100
76	M100A	Z	-4.905	-4.905	0	%100
77	M101A	X	4.163	4.163	0	%100
78	M101A	Z	-7.211	-7.211	0	%100
79	M102	X	5.821	5.821	0	%100
80	M102	Z	-10.082	-10.082	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
81	MP2A	X	5.073	5.073	0	%100
82	MP2A	Z	-8.787	-8.787	0	%100
83	MP3A	X	5.073	5.073	0	%100
84	MP3A	Z	-8.787	-8.787	0	%100
85	MP1C	X	5.073	5.073	0	%100
86	MP1C	Z	-8.787	-8.787	0	%100
87	MP2C	X	5.073	5.073	0	%100
88	MP2C	Z	-8.787	-8.787	0	%100
89	MP3C	X	5.073	5.073	0	%100
90	MP3C	Z	-8.787	-8.787	0	%100
91	MP1B	X	5.073	5.073	0	%100
92	MP1B	Z	-8.787	-8.787	0	%100
93	MP2B	X	5.073	5.073	0	%100
94	MP2B	Z	-8.787	-8.787	0	%100
95	MP3B	X	5.073	5.073	0	%100
96	MP3B	Z	-8.787	-8.787	0	%100
97	M113	X	3.819	3.819	0	%100
98	M113	Z	-6.615	-6.615	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	2.395	2.395	0	%100
2	M6	Z	-1.383	-1.383	0	%100
3	M7	X	7.593	7.593	0	%100
4	M7	Z	-4.384	-4.384	0	%100
5	M8	X	2.395	2.395	0	%100
6	M8	Z	-1.383	-1.383	0	%100
7	M21	X	2.367	2.367	0	%100
8	M21	Z	-1.367	-1.367	0	%100
9	M22	X	1.898	1.898	0	%100
10	M22	Z	-1.096	-1.096	0	%100
11	M23	X	9.524	9.524	0	%100
12	M23	Z	-5.499	-5.499	0	%100
13	M31	X	5.408	5.408	0	%100
14	M31	Z	-3.122	-3.122	0	%100
15	M32	X	1.908	1.908	0	%100
16	M32	Z	-1.101	-1.101	0	%100
17	M33	X	1.908	1.908	0	%100
18	M33	Z	-1.101	-1.101	0	%100
19	M34	X	1.7	1.7	0	%100
20	M34	Z	-.982	-.982	0	%100
21	M35	X	1.7	1.7	0	%100
22	M35	Z	-.982	-.982	0	%100
23	M36	X	9.524	9.524	0	%100
24	M36	Z	-5.499	-5.499	0	%100
25	M37	X	1.898	1.898	0	%100
26	M37	Z	-1.096	-1.096	0	%100
27	M38	X	2.367	2.367	0	%100
28	M38	Z	-1.367	-1.367	0	%100
29	M46	X	9.551	9.551	0	%100
30	M46	Z	-5.514	-5.514	0	%100
31	M47	X	2.388	2.388	0	%100
32	M47	Z	-1.379	-1.379	0	%100
33	M1	X	2.388	2.388	0	%100
34	M1	Z	-1.379	-1.379	0	%100
35	M58	X	1.452	1.452	0	%100
36	M58	Z	-.838	-.838	0	%100
37	M70	X	5.807	5.807	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
38	M70	Z	-3.353	-3.353	0	%100
39	M82	X	1.452	1.452	0	%100
40	M82	Z	-.838	-.838	0	%100
41	MP1A	X	8.787	8.787	0	%100
42	MP1A	Z	-5.073	-5.073	0	%100
43	M132A	X	7.63	7.63	0	%100
44	M132A	Z	-4.405	-4.405	0	%100
45	M133A	X	7.63	7.63	0	%100
46	M133A	Z	-4.405	-4.405	0	%100
47	M134A	X	6.801	6.801	0	%100
48	M134A	Z	-3.927	-3.927	0	%100
49	M135A	X	6.801	6.801	0	%100
50	M135A	Z	-3.927	-3.927	0	%100
51	M140	X	1.908	1.908	0	%100
52	M140	Z	-1.101	-1.101	0	%100
53	M141	X	1.908	1.908	0	%100
54	M141	Z	-1.101	-1.101	0	%100
55	M142	X	1.7	1.7	0	%100
56	M142	Z	-.982	-.982	0	%100
57	M143	X	1.7	1.7	0	%100
58	M143	Z	-.982	-.982	0	%100
59	M125	X	8.356	8.356	0	%100
60	M125	Z	-4.824	-4.824	0	%100
61	M127A	X	7.98	7.98	0	%100
62	M127A	Z	-4.607	-4.607	0	%100
63	M128A	X	7.98	7.98	0	%100
64	M128A	Z	-4.607	-4.607	0	%100
65	M129	X	7.98	7.98	0	%100
66	M129	Z	-4.607	-4.607	0	%100
67	M127B	X	.349	.349	0	%100
68	M127B	Z	-.202	-.202	0	%100
69	M128B	X	1.396	1.396	0	%100
70	M128B	Z	-.806	-.806	0	%100
71	M129A	X	.349	.349	0	%100
72	M129A	Z	-.202	-.202	0	%100
73	M99	X	0	0	0	%100
74	M99	Z	0	0	0	%100
75	M100A	X	3.18	3.18	0	%100
76	M100A	Z	-1.836	-1.836	0	%100
77	M101A	X	5.408	5.408	0	%100
78	M101A	Z	-3.122	-3.122	0	%100
79	M102	X	8.356	8.356	0	%100
80	M102	Z	-4.824	-4.824	0	%100
81	MP2A	X	8.787	8.787	0	%100
82	MP2A	Z	-5.073	-5.073	0	%100
83	MP3A	X	8.787	8.787	0	%100
84	MP3A	Z	-5.073	-5.073	0	%100
85	MP1C	X	8.787	8.787	0	%100
86	MP1C	Z	-5.073	-5.073	0	%100
87	MP2C	X	8.787	8.787	0	%100
88	MP2C	Z	-5.073	-5.073	0	%100
89	MP3C	X	8.787	8.787	0	%100
90	MP3C	Z	-5.073	-5.073	0	%100
91	MP1B	X	8.787	8.787	0	%100
92	MP1B	Z	-5.073	-5.073	0	%100
93	MP2B	X	8.787	8.787	0	%100
94	MP2B	Z	-5.073	-5.073	0	%100
95	MP3B	X	8.787	8.787	0	%100
96	MP3B	Z	-5.073	-5.073	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
97	M113	X	6.615	6.615	0	%100
98	M113	Z	-3.819	-3.819	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	8.264	8.264	0	%100
2	M6	Z	0	0	0	%100
3	M7	X	6.576	6.576	0	%100
4	M7	Z	0	0	0	%100
5	M8	X	3.2e-5	3.2e-5	0	%100
6	M8	Z	0	0	0	%100
7	M21	X	3.2e-5	3.2e-5	0	%100
8	M21	Z	0	0	0	%100
9	M22	X	6.576	6.576	0	%100
10	M22	Z	0	0	0	%100
11	M23	X	8.264	8.264	0	%100
12	M23	Z	0	0	0	%100
13	M31	X	8.326	8.326	0	%100
14	M31	Z	0	0	0	%100
15	M32	X	0	0	0	%100
16	M32	Z	0	0	0	%100
17	M33	X	0	0	0	%100
18	M33	Z	0	0	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	0	0	0	%100
21	M35	X	0	0	0	%100
22	M35	Z	0	0	0	%100
23	M36	X	8.232	8.232	0	%100
24	M36	Z	0	0	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	0	0	0	%100
27	M38	X	8.232	8.232	0	%100
28	M38	Z	0	0	0	%100
29	M46	X	8.271	8.271	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	8.271	8.271	0	%100
32	M47	Z	0	0	0	%100
33	M1	X	0	0	0	%100
34	M1	Z	0	0	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	0	0	0	%100
37	M70	X	5.029	5.029	0	%100
38	M70	Z	0	0	0	%100
39	M82	X	5.029	5.029	0	%100
40	M82	Z	0	0	0	%100
41	MP1A	X	10.146	10.146	0	%100
42	MP1A	Z	0	0	0	%100
43	M132A	X	6.608	6.608	0	%100
44	M132A	Z	0	0	0	%100
45	M133A	X	6.608	6.608	0	%100
46	M133A	Z	0	0	0	%100
47	M134A	X	5.89	5.89	0	%100
48	M134A	Z	0	0	0	%100
49	M135A	X	5.89	5.89	0	%100
50	M135A	Z	0	0	0	%100
51	M140	X	6.608	6.608	0	%100
52	M140	Z	0	0	0	%100
53	M141	X	6.608	6.608	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
54	M141	Z	0	0	0	%100
55	M142	X	5.89	5.89	0	%100
56	M142	Z	0	0	0	%100
57	M143	X	5.89	5.89	0	%100
58	M143	Z	0	0	0	%100
59	M125	X	11.641	11.641	0	%100
60	M125	Z	0	0	0	%100
61	M127A	X	9.215	9.215	0	%100
62	M127A	Z	0	0	0	%100
63	M128A	X	9.215	9.215	0	%100
64	M128A	Z	0	0	0	%100
65	M129	X	9.215	9.215	0	%100
66	M129	Z	0	0	0	%100
67	M127B	X	1.209	1.209	0	%100
68	M127B	Z	0	0	0	%100
69	M128B	X	1.209	1.209	0	%100
70	M128B	Z	0	0	0	%100
71	M129A	X	0	0	0	%100
72	M129A	Z	0	0	0	%100
73	M99	X	2.082	2.082	0	%100
74	M99	Z	0	0	0	%100
75	M100A	X	5.664	5.664	0	%100
76	M100A	Z	0	0	0	%100
77	M101A	X	2.082	2.082	0	%100
78	M101A	Z	0	0	0	%100
79	M102	X	5.664	5.664	0	%100
80	M102	Z	0	0	0	%100
81	MP2A	X	10.146	10.146	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	10.146	10.146	0	%100
84	MP3A	Z	0	0	0	%100
85	MP1C	X	10.146	10.146	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	10.146	10.146	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	10.146	10.146	0	%100
90	MP3C	Z	0	0	0	%100
91	MP1B	X	10.146	10.146	0	%100
92	MP1B	Z	0	0	0	%100
93	MP2B	X	10.146	10.146	0	%100
94	MP2B	Z	0	0	0	%100
95	MP3B	X	10.146	10.146	0	%100
96	MP3B	Z	0	0	0	%100
97	M113	X	7.638	7.638	0	%100
98	M113	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	9.524	9.524	0	%100
2	M6	Z	5.499	5.499	0	%100
3	M7	X	1.898	1.898	0	%100
4	M7	Z	1.096	1.096	0	%100
5	M8	X	2.367	2.367	0	%100
6	M8	Z	1.367	1.367	0	%100
7	M21	X	2.395	2.395	0	%100
8	M21	Z	1.383	1.383	0	%100
9	M22	X	7.593	7.593	0	%100
10	M22	Z	4.384	4.384	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
11	M23	X	2.395	2.395	0	%100
12	M23	Z	1.383	1.383	0	%100
13	M31	X	5.408	5.408	0	%100
14	M31	Z	3.122	3.122	0	%100
15	M32	X	1.908	1.908	0	%100
16	M32	Z	1.101	1.101	0	%100
17	M33	X	1.908	1.908	0	%100
18	M33	Z	1.101	1.101	0	%100
19	M34	X	1.7	1.7	0	%100
20	M34	Z	.982	.982	0	%100
21	M35	X	1.7	1.7	0	%100
22	M35	Z	.982	.982	0	%100
23	M36	X	2.367	2.367	0	%100
24	M36	Z	1.367	1.367	0	%100
25	M37	X	1.898	1.898	0	%100
26	M37	Z	1.096	1.096	0	%100
27	M38	X	9.524	9.524	0	%100
28	M38	Z	5.499	5.499	0	%100
29	M46	X	2.388	2.388	0	%100
30	M46	Z	1.379	1.379	0	%100
31	M47	X	9.551	9.551	0	%100
32	M47	Z	5.514	5.514	0	%100
33	M1	X	2.388	2.388	0	%100
34	M1	Z	1.379	1.379	0	%100
35	M58	X	1.452	1.452	0	%100
36	M58	Z	.838	.838	0	%100
37	M70	X	1.452	1.452	0	%100
38	M70	Z	.838	.838	0	%100
39	M82	X	5.807	5.807	0	%100
40	M82	Z	3.353	3.353	0	%100
41	MP1A	X	8.787	8.787	0	%100
42	MP1A	Z	5.073	5.073	0	%100
43	M132A	X	1.908	1.908	0	%100
44	M132A	Z	1.101	1.101	0	%100
45	M133A	X	1.908	1.908	0	%100
46	M133A	Z	1.101	1.101	0	%100
47	M134A	X	1.7	1.7	0	%100
48	M134A	Z	.982	.982	0	%100
49	M135A	X	1.7	1.7	0	%100
50	M135A	Z	.982	.982	0	%100
51	M140	X	7.63	7.63	0	%100
52	M140	Z	4.405	4.405	0	%100
53	M141	X	7.63	7.63	0	%100
54	M141	Z	4.405	4.405	0	%100
55	M142	X	6.801	6.801	0	%100
56	M142	Z	3.927	3.927	0	%100
57	M143	X	6.801	6.801	0	%100
58	M143	Z	3.927	3.927	0	%100
59	M125	X	8.356	8.356	0	%100
60	M125	Z	4.824	4.824	0	%100
61	M127A	X	7.98	7.98	0	%100
62	M127A	Z	4.607	4.607	0	%100
63	M128A	X	7.98	7.98	0	%100
64	M128A	Z	4.607	4.607	0	%100
65	M129	X	7.98	7.98	0	%100
66	M129	Z	4.607	4.607	0	%100
67	M127B	X	1.396	1.396	0	%100
68	M127B	Z	.806	.806	0	%100
69	M128B	X	.349	.349	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
70	M128B	Z	.202	.202	0	%100
71	M129A	X	.349	.349	0	%100
72	M129A	Z	.202	.202	0	%100
73	M99	X	5.408	5.408	0	%100
74	M99	Z	3.122	3.122	0	%100
75	M100A	X	8.356	8.356	0	%100
76	M100A	Z	4.824	4.824	0	%100
77	M101A	X	0	0	0	%100
78	M101A	Z	0	0	0	%100
79	M102	X	3.18	3.18	0	%100
80	M102	Z	1.836	1.836	0	%100
81	MP2A	X	8.787	8.787	0	%100
82	MP2A	Z	5.073	5.073	0	%100
83	MP3A	X	8.787	8.787	0	%100
84	MP3A	Z	5.073	5.073	0	%100
85	MP1C	X	8.787	8.787	0	%100
86	MP1C	Z	5.073	5.073	0	%100
87	MP2C	X	8.787	8.787	0	%100
88	MP2C	Z	5.073	5.073	0	%100
89	MP3C	X	8.787	8.787	0	%100
90	MP3C	Z	5.073	5.073	0	%100
91	MP1B	X	8.787	8.787	0	%100
92	MP1B	Z	5.073	5.073	0	%100
93	MP2B	X	8.787	8.787	0	%100
94	MP2B	Z	5.073	5.073	0	%100
95	MP3B	X	8.787	8.787	0	%100
96	MP3B	Z	5.073	5.073	0	%100
97	M113	X	6.615	6.615	0	%100
98	M113	Z	3.819	3.819	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	4.116	4.116	0	%100
2	M6	Z	7.129	7.129	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M8	X	4.116	4.116	0	%100
6	M8	Z	7.129	7.129	0	%100
7	M21	X	4.132	4.132	0	%100
8	M21	Z	7.157	7.157	0	%100
9	M22	X	3.288	3.288	0	%100
10	M22	Z	5.695	5.695	0	%100
11	M23	X	1.6e-5	1.6e-5	0	%100
12	M23	Z	2.8e-5	2.8e-5	0	%100
13	M31	X	1.041	1.041	0	%100
14	M31	Z	1.803	1.803	0	%100
15	M32	X	3.304	3.304	0	%100
16	M32	Z	5.723	5.723	0	%100
17	M33	X	3.304	3.304	0	%100
18	M33	Z	5.723	5.723	0	%100
19	M34	X	2.945	2.945	0	%100
20	M34	Z	5.101	5.101	0	%100
21	M35	X	2.945	2.945	0	%100
22	M35	Z	5.101	5.101	0	%100
23	M36	X	1.6e-5	1.6e-5	0	%100
24	M36	Z	2.8e-5	2.8e-5	0	%100
25	M37	X	3.288	3.288	0	%100
26	M37	Z	5.695	5.695	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
27	M38	X	4.132	4.132	0	%100
28	M38	Z	7.157	7.157	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	4.136	4.136	0	%100
32	M47	Z	7.163	7.163	0	%100
33	M1	X	4.136	4.136	0	%100
34	M1	Z	7.163	7.163	0	%100
35	M58	X	2.514	2.514	0	%100
36	M58	Z	4.355	4.355	0	%100
37	M70	X	0	0	0	%100
38	M70	Z	0	0	0	%100
39	M82	X	2.514	2.514	0	%100
40	M82	Z	4.355	4.355	0	%100
41	MP1A	X	5.073	5.073	0	%100
42	MP1A	Z	8.787	8.787	0	%100
43	M132A	X	0	0	0	%100
44	M132A	Z	0	0	0	%100
45	M133A	X	0	0	0	%100
46	M133A	Z	0	0	0	%100
47	M134A	X	0	0	0	%100
48	M134A	Z	0	0	0	%100
49	M135A	X	0	0	0	%100
50	M135A	Z	0	0	0	%100
51	M140	X	3.304	3.304	0	%100
52	M140	Z	5.723	5.723	0	%100
53	M141	X	3.304	3.304	0	%100
54	M141	Z	5.723	5.723	0	%100
55	M142	X	2.945	2.945	0	%100
56	M142	Z	5.101	5.101	0	%100
57	M143	X	2.945	2.945	0	%100
58	M143	Z	5.101	5.101	0	%100
59	M125	X	2.832	2.832	0	%100
60	M125	Z	4.905	4.905	0	%100
61	M127A	X	4.607	4.607	0	%100
62	M127A	Z	7.98	7.98	0	%100
63	M128A	X	4.607	4.607	0	%100
64	M128A	Z	7.98	7.98	0	%100
65	M129	X	4.607	4.607	0	%100
66	M129	Z	7.98	7.98	0	%100
67	M127B	X	.605	.605	0	%100
68	M127B	Z	1.047	1.047	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	0	0	0	%100
71	M129A	X	.605	.605	0	%100
72	M129A	Z	1.047	1.047	0	%100
73	M99	X	4.163	4.163	0	%100
74	M99	Z	7.211	7.211	0	%100
75	M100A	X	5.821	5.821	0	%100
76	M100A	Z	10.082	10.082	0	%100
77	M101A	X	1.041	1.041	0	%100
78	M101A	Z	1.803	1.803	0	%100
79	M102	X	2.832	2.832	0	%100
80	M102	Z	4.905	4.905	0	%100
81	MP2A	X	5.073	5.073	0	%100
82	MP2A	Z	8.787	8.787	0	%100
83	MP3A	X	5.073	5.073	0	%100
84	MP3A	Z	8.787	8.787	0	%100
85	MP1C	X	5.073	5.073	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
86	MP1C	Z	8.787	8.787	0	%100
87	MP2C	X	5.073	5.073	0	%100
88	MP2C	Z	8.787	8.787	0	%100
89	MP3C	X	5.073	5.073	0	%100
90	MP3C	Z	8.787	8.787	0	%100
91	MP1B	X	5.073	5.073	0	%100
92	MP1B	Z	8.787	8.787	0	%100
93	MP2B	X	5.073	5.073	0	%100
94	MP2B	Z	8.787	8.787	0	%100
95	MP3B	X	5.073	5.073	0	%100
96	MP3B	Z	8.787	8.787	0	%100
97	M113	X	3.819	3.819	0	%100
98	M113	Z	6.615	6.615	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	0	0	0	%100
2	M6	Z	2.733	2.733	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	2.192	2.192	0	%100
5	M8	X	0	0	0	%100
6	M8	Z	10.998	10.998	0	%100
7	M21	X	0	0	0	%100
8	M21	Z	10.998	10.998	0	%100
9	M22	X	0	0	0	%100
10	M22	Z	2.192	2.192	0	%100
11	M23	X	0	0	0	%100
12	M23	Z	2.733	2.733	0	%100
13	M31	X	0	0	0	%100
14	M31	Z	0	0	0	%100
15	M32	X	0	0	0	%100
16	M32	Z	8.811	8.811	0	%100
17	M33	X	0	0	0	%100
18	M33	Z	8.811	8.811	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	7.854	7.854	0	%100
21	M35	X	0	0	0	%100
22	M35	Z	7.854	7.854	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	2.766	2.766	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	8.767	8.767	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	2.766	2.766	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	2.757	2.757	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	2.757	2.757	0	%100
33	M1	X	0	0	0	%100
34	M1	Z	11.028	11.028	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	6.705	6.705	0	%100
37	M70	X	0	0	0	%100
38	M70	Z	1.676	1.676	0	%100
39	M82	X	0	0	0	%100
40	M82	Z	1.676	1.676	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	10.146	10.146	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
43	M132A	X	0	0	0	%100
44	M132A	Z	2.203	2.203	0	%100
45	M133A	X	0	0	0	%100
46	M133A	Z	2.203	2.203	0	%100
47	M134A	X	0	0	0	%100
48	M134A	Z	1.963	1.963	0	%100
49	M135A	X	0	0	0	%100
50	M135A	Z	1.963	1.963	0	%100
51	M140	X	0	0	0	%100
52	M140	Z	2.203	2.203	0	%100
53	M141	X	0	0	0	%100
54	M141	Z	2.203	2.203	0	%100
55	M142	X	0	0	0	%100
56	M142	Z	1.963	1.963	0	%100
57	M143	X	0	0	0	%100
58	M143	Z	1.963	1.963	0	%100
59	M125	X	0	0	0	%100
60	M125	Z	3.672	3.672	0	%100
61	M127A	X	0	0	0	%100
62	M127A	Z	9.215	9.215	0	%100
63	M128A	X	0	0	0	%100
64	M128A	Z	9.215	9.215	0	%100
65	M129	X	0	0	0	%100
66	M129	Z	9.215	9.215	0	%100
67	M127B	X	0	0	0	%100
68	M127B	Z	.403	.403	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	.403	.403	0	%100
71	M129A	X	0	0	0	%100
72	M129A	Z	1.612	1.612	0	%100
73	M99	X	0	0	0	%100
74	M99	Z	6.245	6.245	0	%100
75	M100A	X	0	0	0	%100
76	M100A	Z	9.649	9.649	0	%100
77	M101A	X	0	0	0	%100
78	M101A	Z	6.245	6.245	0	%100
79	M102	X	0	0	0	%100
80	M102	Z	9.649	9.649	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	10.146	10.146	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	10.146	10.146	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	10.146	10.146	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	10.146	10.146	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	10.146	10.146	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	10.146	10.146	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	10.146	10.146	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	10.146	10.146	0	%100
97	M113	X	0	0	0	%100
98	M113	Z	7.638	7.638	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-1.6e-5	-1.6e-5	0	%100
2	M6	Z	2.8e-5	2.8e-5	0	%100
3	M7	X	-3.288	-3.288	0	%100
4	M7	Z	5.695	5.695	0	%100
5	M8	X	-4.132	-4.132	0	%100
6	M8	Z	7.157	7.157	0	%100
7	M21	X	-4.116	-4.116	0	%100
8	M21	Z	7.129	7.129	0	%100
9	M22	X	0	0	0	%100
10	M22	Z	0	0	0	%100
11	M23	X	-4.116	-4.116	0	%100
12	M23	Z	7.129	7.129	0	%100
13	M31	X	-1.041	-1.041	0	%100
14	M31	Z	1.803	1.803	0	%100
15	M32	X	-3.304	-3.304	0	%100
16	M32	Z	5.723	5.723	0	%100
17	M33	X	-3.304	-3.304	0	%100
18	M33	Z	5.723	5.723	0	%100
19	M34	X	-2.945	-2.945	0	%100
20	M34	Z	5.101	5.101	0	%100
21	M35	X	-2.945	-2.945	0	%100
22	M35	Z	5.101	5.101	0	%100
23	M36	X	-4.132	-4.132	0	%100
24	M36	Z	7.157	7.157	0	%100
25	M37	X	-3.288	-3.288	0	%100
26	M37	Z	5.695	5.695	0	%100
27	M38	X	-1.6e-5	-1.6e-5	0	%100
28	M38	Z	2.8e-5	2.8e-5	0	%100
29	M46	X	-4.136	-4.136	0	%100
30	M46	Z	7.163	7.163	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	0	0	0	%100
33	M1	X	-4.136	-4.136	0	%100
34	M1	Z	7.163	7.163	0	%100
35	M58	X	-2.514	-2.514	0	%100
36	M58	Z	4.355	4.355	0	%100
37	M70	X	-2.514	-2.514	0	%100
38	M70	Z	4.355	4.355	0	%100
39	M82	X	0	0	0	%100
40	M82	Z	0	0	0	%100
41	MP1A	X	-5.073	-5.073	0	%100
42	MP1A	Z	8.787	8.787	0	%100
43	M132A	X	-3.304	-3.304	0	%100
44	M132A	Z	5.723	5.723	0	%100
45	M133A	X	-3.304	-3.304	0	%100
46	M133A	Z	5.723	5.723	0	%100
47	M134A	X	-2.945	-2.945	0	%100
48	M134A	Z	5.101	5.101	0	%100
49	M135A	X	-2.945	-2.945	0	%100
50	M135A	Z	5.101	5.101	0	%100
51	M140	X	0	0	0	%100
52	M140	Z	0	0	0	%100
53	M141	X	0	0	0	%100
54	M141	Z	0	0	0	%100
55	M142	X	0	0	0	%100
56	M142	Z	0	0	0	%100
57	M143	X	0	0	0	%100
58	M143	Z	0	0	0	%100
59	M125	X	-2.832	-2.832	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
60	M125	Z	4.905	4.905	0	%100
61	M127A	X	-4.607	-4.607	0	%100
62	M127A	Z	7.98	7.98	0	%100
63	M128A	X	-4.607	-4.607	0	%100
64	M128A	Z	7.98	7.98	0	%100
65	M129	X	-4.607	-4.607	0	%100
66	M129	Z	7.98	7.98	0	%100
67	M127B	X	0	0	0	%100
68	M127B	Z	0	0	0	%100
69	M128B	X	-.605	-.605	0	%100
70	M128B	Z	1.047	1.047	0	%100
71	M129A	X	-.605	-.605	0	%100
72	M129A	Z	1.047	1.047	0	%100
73	M99	X	-1.041	-1.041	0	%100
74	M99	Z	1.803	1.803	0	%100
75	M100A	X	-2.832	-2.832	0	%100
76	M100A	Z	4.905	4.905	0	%100
77	M101A	X	-4.163	-4.163	0	%100
78	M101A	Z	7.211	7.211	0	%100
79	M102	X	-5.821	-5.821	0	%100
80	M102	Z	10.082	10.082	0	%100
81	MP2A	X	-5.073	-5.073	0	%100
82	MP2A	Z	8.787	8.787	0	%100
83	MP3A	X	-5.073	-5.073	0	%100
84	MP3A	Z	8.787	8.787	0	%100
85	MP1C	X	-5.073	-5.073	0	%100
86	MP1C	Z	8.787	8.787	0	%100
87	MP2C	X	-5.073	-5.073	0	%100
88	MP2C	Z	8.787	8.787	0	%100
89	MP3C	X	-5.073	-5.073	0	%100
90	MP3C	Z	8.787	8.787	0	%100
91	MP1B	X	-5.073	-5.073	0	%100
92	MP1B	Z	8.787	8.787	0	%100
93	MP2B	X	-5.073	-5.073	0	%100
94	MP2B	Z	8.787	8.787	0	%100
95	MP3B	X	-5.073	-5.073	0	%100
96	MP3B	Z	8.787	8.787	0	%100
97	M113	X	-3.819	-3.819	0	%100
98	M113	Z	6.615	6.615	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-2.395	-2.395	0	%100
2	M6	Z	1.383	1.383	0	%100
3	M7	X	-7.593	-7.593	0	%100
4	M7	Z	4.384	4.384	0	%100
5	M8	X	-2.395	-2.395	0	%100
6	M8	Z	1.383	1.383	0	%100
7	M21	X	-2.367	-2.367	0	%100
8	M21	Z	1.367	1.367	0	%100
9	M22	X	-1.898	-1.898	0	%100
10	M22	Z	1.096	1.096	0	%100
11	M23	X	-9.524	-9.524	0	%100
12	M23	Z	5.499	5.499	0	%100
13	M31	X	-5.408	-5.408	0	%100
14	M31	Z	3.122	3.122	0	%100
15	M32	X	-1.908	-1.908	0	%100
16	M32	Z	1.101	1.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
17	M33	X	-1.908	-1.908	0	%100
18	M33	Z	1.101	1.101	0	%100
19	M34	X	-1.7	-1.7	0	%100
20	M34	Z	.982	.982	0	%100
21	M35	X	-1.7	-1.7	0	%100
22	M35	Z	.982	.982	0	%100
23	M36	X	-9.524	-9.524	0	%100
24	M36	Z	5.499	5.499	0	%100
25	M37	X	-1.898	-1.898	0	%100
26	M37	Z	1.096	1.096	0	%100
27	M38	X	-2.367	-2.367	0	%100
28	M38	Z	1.367	1.367	0	%100
29	M46	X	-9.551	-9.551	0	%100
30	M46	Z	5.514	5.514	0	%100
31	M47	X	-2.388	-2.388	0	%100
32	M47	Z	1.379	1.379	0	%100
33	M1	X	-2.388	-2.388	0	%100
34	M1	Z	1.379	1.379	0	%100
35	M58	X	-1.452	-1.452	0	%100
36	M58	Z	.838	.838	0	%100
37	M70	X	-5.807	-5.807	0	%100
38	M70	Z	3.353	3.353	0	%100
39	M82	X	-1.452	-1.452	0	%100
40	M82	Z	.838	.838	0	%100
41	MP1A	X	-8.787	-8.787	0	%100
42	MP1A	Z	5.073	5.073	0	%100
43	M132A	X	-7.63	-7.63	0	%100
44	M132A	Z	4.405	4.405	0	%100
45	M133A	X	-7.63	-7.63	0	%100
46	M133A	Z	4.405	4.405	0	%100
47	M134A	X	-6.801	-6.801	0	%100
48	M134A	Z	3.927	3.927	0	%100
49	M135A	X	-6.801	-6.801	0	%100
50	M135A	Z	3.927	3.927	0	%100
51	M140	X	-1.908	-1.908	0	%100
52	M140	Z	1.101	1.101	0	%100
53	M141	X	-1.908	-1.908	0	%100
54	M141	Z	1.101	1.101	0	%100
55	M142	X	-1.7	-1.7	0	%100
56	M142	Z	.982	.982	0	%100
57	M143	X	-1.7	-1.7	0	%100
58	M143	Z	.982	.982	0	%100
59	M125	X	-8.356	-8.356	0	%100
60	M125	Z	4.824	4.824	0	%100
61	M127A	X	-7.98	-7.98	0	%100
62	M127A	Z	4.607	4.607	0	%100
63	M128A	X	-7.98	-7.98	0	%100
64	M128A	Z	4.607	4.607	0	%100
65	M129	X	-7.98	-7.98	0	%100
66	M129	Z	4.607	4.607	0	%100
67	M127B	X	-.349	-.349	0	%100
68	M127B	Z	.202	.202	0	%100
69	M128B	X	-1.396	-1.396	0	%100
70	M128B	Z	.806	.806	0	%100
71	M129A	X	-.349	-.349	0	%100
72	M129A	Z	.202	.202	0	%100
73	M99	X	0	0	0	%100
74	M99	Z	0	0	0	%100
75	M100A	X	-3.18	-3.18	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
76	M100A	Z	1.836	1.836	0	%100
77	M101A	X	-5.408	-5.408	0	%100
78	M101A	Z	3.122	3.122	0	%100
79	M102	X	-8.356	-8.356	0	%100
80	M102	Z	4.824	4.824	0	%100
81	MP2A	X	-8.787	-8.787	0	%100
82	MP2A	Z	5.073	5.073	0	%100
83	MP3A	X	-8.787	-8.787	0	%100
84	MP3A	Z	5.073	5.073	0	%100
85	MP1C	X	-8.787	-8.787	0	%100
86	MP1C	Z	5.073	5.073	0	%100
87	MP2C	X	-8.787	-8.787	0	%100
88	MP2C	Z	5.073	5.073	0	%100
89	MP3C	X	-8.787	-8.787	0	%100
90	MP3C	Z	5.073	5.073	0	%100
91	MP1B	X	-8.787	-8.787	0	%100
92	MP1B	Z	5.073	5.073	0	%100
93	MP2B	X	-8.787	-8.787	0	%100
94	MP2B	Z	5.073	5.073	0	%100
95	MP3B	X	-8.787	-8.787	0	%100
96	MP3B	Z	5.073	5.073	0	%100
97	M113	X	-6.615	-6.615	0	%100
98	M113	Z	3.819	3.819	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-8.264	-8.264	0	%100
2	M6	Z	0	0	0	%100
3	M7	X	-6.576	-6.576	0	%100
4	M7	Z	0	0	0	%100
5	M8	X	-3.2e-5	-3.2e-5	0	%100
6	M8	Z	0	0	0	%100
7	M21	X	-3.2e-5	-3.2e-5	0	%100
8	M21	Z	0	0	0	%100
9	M22	X	-6.576	-6.576	0	%100
10	M22	Z	0	0	0	%100
11	M23	X	-8.264	-8.264	0	%100
12	M23	Z	0	0	0	%100
13	M31	X	-8.326	-8.326	0	%100
14	M31	Z	0	0	0	%100
15	M32	X	0	0	0	%100
16	M32	Z	0	0	0	%100
17	M33	X	0	0	0	%100
18	M33	Z	0	0	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	0	0	0	%100
21	M35	X	0	0	0	%100
22	M35	Z	0	0	0	%100
23	M36	X	-8.232	-8.232	0	%100
24	M36	Z	0	0	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	0	0	0	%100
27	M38	X	-8.232	-8.232	0	%100
28	M38	Z	0	0	0	%100
29	M46	X	-8.271	-8.271	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	-8.271	-8.271	0	%100
32	M47	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
33	M1	X	0	0	0	%100
34	M1	Z	0	0	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	0	0	0	%100
37	M70	X	-5.029	-5.029	0	%100
38	M70	Z	0	0	0	%100
39	M82	X	-5.029	-5.029	0	%100
40	M82	Z	0	0	0	%100
41	MP1A	X	-10.146	-10.146	0	%100
42	MP1A	Z	0	0	0	%100
43	M132A	X	-6.608	-6.608	0	%100
44	M132A	Z	0	0	0	%100
45	M133A	X	-6.608	-6.608	0	%100
46	M133A	Z	0	0	0	%100
47	M134A	X	-5.89	-5.89	0	%100
48	M134A	Z	0	0	0	%100
49	M135A	X	-5.89	-5.89	0	%100
50	M135A	Z	0	0	0	%100
51	M140	X	-6.608	-6.608	0	%100
52	M140	Z	0	0	0	%100
53	M141	X	-6.608	-6.608	0	%100
54	M141	Z	0	0	0	%100
55	M142	X	-5.89	-5.89	0	%100
56	M142	Z	0	0	0	%100
57	M143	X	-5.89	-5.89	0	%100
58	M143	Z	0	0	0	%100
59	M125	X	-11.641	-11.641	0	%100
60	M125	Z	0	0	0	%100
61	M127A	X	-9.215	-9.215	0	%100
62	M127A	Z	0	0	0	%100
63	M128A	X	-9.215	-9.215	0	%100
64	M128A	Z	0	0	0	%100
65	M129	X	-9.215	-9.215	0	%100
66	M129	Z	0	0	0	%100
67	M127B	X	-1.209	-1.209	0	%100
68	M127B	Z	0	0	0	%100
69	M128B	X	-1.209	-1.209	0	%100
70	M128B	Z	0	0	0	%100
71	M129A	X	0	0	0	%100
72	M129A	Z	0	0	0	%100
73	M99	X	-2.082	-2.082	0	%100
74	M99	Z	0	0	0	%100
75	M100A	X	-5.664	-5.664	0	%100
76	M100A	Z	0	0	0	%100
77	M101A	X	-2.082	-2.082	0	%100
78	M101A	Z	0	0	0	%100
79	M102	X	-5.664	-5.664	0	%100
80	M102	Z	0	0	0	%100
81	MP2A	X	-10.146	-10.146	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-10.146	-10.146	0	%100
84	MP3A	Z	0	0	0	%100
85	MP1C	X	-10.146	-10.146	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	-10.146	-10.146	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	-10.146	-10.146	0	%100
90	MP3C	Z	0	0	0	%100
91	MP1B	X	-10.146	-10.146	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
92	MP1B	Z	0	0	0	%100
93	MP2B	X	-10.146	-10.146	0	%100
94	MP2B	Z	0	0	0	%100
95	MP3B	X	-10.146	-10.146	0	%100
96	MP3B	Z	0	0	0	%100
97	M113	X	-7.638	-7.638	0	%100
98	M113	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-9.524	-9.524	0	%100
2	M6	Z	-5.499	-5.499	0	%100
3	M7	X	-1.898	-1.898	0	%100
4	M7	Z	-1.096	-1.096	0	%100
5	M8	X	-2.367	-2.367	0	%100
6	M8	Z	-1.367	-1.367	0	%100
7	M21	X	-2.395	-2.395	0	%100
8	M21	Z	-1.383	-1.383	0	%100
9	M22	X	-7.593	-7.593	0	%100
10	M22	Z	-4.384	-4.384	0	%100
11	M23	X	-2.395	-2.395	0	%100
12	M23	Z	-1.383	-1.383	0	%100
13	M31	X	-5.408	-5.408	0	%100
14	M31	Z	-3.122	-3.122	0	%100
15	M32	X	-1.908	-1.908	0	%100
16	M32	Z	-1.101	-1.101	0	%100
17	M33	X	-1.908	-1.908	0	%100
18	M33	Z	-1.101	-1.101	0	%100
19	M34	X	-1.7	-1.7	0	%100
20	M34	Z	-.982	-.982	0	%100
21	M35	X	-1.7	-1.7	0	%100
22	M35	Z	-.982	-.982	0	%100
23	M36	X	-2.367	-2.367	0	%100
24	M36	Z	-1.367	-1.367	0	%100
25	M37	X	-1.898	-1.898	0	%100
26	M37	Z	-1.096	-1.096	0	%100
27	M38	X	-9.524	-9.524	0	%100
28	M38	Z	-5.499	-5.499	0	%100
29	M46	X	-2.388	-2.388	0	%100
30	M46	Z	-1.379	-1.379	0	%100
31	M47	X	-9.551	-9.551	0	%100
32	M47	Z	-5.514	-5.514	0	%100
33	M1	X	-2.388	-2.388	0	%100
34	M1	Z	-1.379	-1.379	0	%100
35	M58	X	-1.452	-1.452	0	%100
36	M58	Z	-.838	-.838	0	%100
37	M70	X	-1.452	-1.452	0	%100
38	M70	Z	-.838	-.838	0	%100
39	M82	X	-5.807	-5.807	0	%100
40	M82	Z	-3.353	-3.353	0	%100
41	MP1A	X	-8.787	-8.787	0	%100
42	MP1A	Z	-5.073	-5.073	0	%100
43	M132A	X	-1.908	-1.908	0	%100
44	M132A	Z	-1.101	-1.101	0	%100
45	M133A	X	-1.908	-1.908	0	%100
46	M133A	Z	-1.101	-1.101	0	%100
47	M134A	X	-1.7	-1.7	0	%100
48	M134A	Z	-.982	-.982	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
49	M135A	X	-1.7	-1.7	0	%100
50	M135A	Z	-.982	-.982	0	%100
51	M140	X	-7.63	-7.63	0	%100
52	M140	Z	-4.405	-4.405	0	%100
53	M141	X	-7.63	-7.63	0	%100
54	M141	Z	-4.405	-4.405	0	%100
55	M142	X	-6.801	-6.801	0	%100
56	M142	Z	-3.927	-3.927	0	%100
57	M143	X	-6.801	-6.801	0	%100
58	M143	Z	-3.927	-3.927	0	%100
59	M125	X	-8.356	-8.356	0	%100
60	M125	Z	-4.824	-4.824	0	%100
61	M127A	X	-7.98	-7.98	0	%100
62	M127A	Z	-4.607	-4.607	0	%100
63	M128A	X	-7.98	-7.98	0	%100
64	M128A	Z	-4.607	-4.607	0	%100
65	M129	X	-7.98	-7.98	0	%100
66	M129	Z	-4.607	-4.607	0	%100
67	M127B	X	-1.396	-1.396	0	%100
68	M127B	Z	-.806	-.806	0	%100
69	M128B	X	-.349	-.349	0	%100
70	M128B	Z	-.202	-.202	0	%100
71	M129A	X	-.349	-.349	0	%100
72	M129A	Z	-.202	-.202	0	%100
73	M99	X	-5.408	-5.408	0	%100
74	M99	Z	-3.122	-3.122	0	%100
75	M100A	X	-8.356	-8.356	0	%100
76	M100A	Z	-4.824	-4.824	0	%100
77	M101A	X	0	0	0	%100
78	M101A	Z	0	0	0	%100
79	M102	X	-3.18	-3.18	0	%100
80	M102	Z	-1.836	-1.836	0	%100
81	MP2A	X	-8.787	-8.787	0	%100
82	MP2A	Z	-5.073	-5.073	0	%100
83	MP3A	X	-8.787	-8.787	0	%100
84	MP3A	Z	-5.073	-5.073	0	%100
85	MP1C	X	-8.787	-8.787	0	%100
86	MP1C	Z	-5.073	-5.073	0	%100
87	MP2C	X	-8.787	-8.787	0	%100
88	MP2C	Z	-5.073	-5.073	0	%100
89	MP3C	X	-8.787	-8.787	0	%100
90	MP3C	Z	-5.073	-5.073	0	%100
91	MP1B	X	-8.787	-8.787	0	%100
92	MP1B	Z	-5.073	-5.073	0	%100
93	MP2B	X	-8.787	-8.787	0	%100
94	MP2B	Z	-5.073	-5.073	0	%100
95	MP3B	X	-8.787	-8.787	0	%100
96	MP3B	Z	-5.073	-5.073	0	%100
97	M113	X	-6.615	-6.615	0	%100
98	M113	Z	-3.819	-3.819	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-4.116	-4.116	0	%100
2	M6	Z	-7.129	-7.129	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M8	X	-4.116	-4.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
6	M8	Z	-7.129	-7.129	0	%100
7	M21	X	-4.132	-4.132	0	%100
8	M21	Z	-7.157	-7.157	0	%100
9	M22	X	-3.288	-3.288	0	%100
10	M22	Z	-5.695	-5.695	0	%100
11	M23	X	-1.6e-5	-1.6e-5	0	%100
12	M23	Z	-2.8e-5	-2.8e-5	0	%100
13	M31	X	-1.041	-1.041	0	%100
14	M31	Z	-1.803	-1.803	0	%100
15	M32	X	-3.304	-3.304	0	%100
16	M32	Z	-5.723	-5.723	0	%100
17	M33	X	-3.304	-3.304	0	%100
18	M33	Z	-5.723	-5.723	0	%100
19	M34	X	-2.945	-2.945	0	%100
20	M34	Z	-5.101	-5.101	0	%100
21	M35	X	-2.945	-2.945	0	%100
22	M35	Z	-5.101	-5.101	0	%100
23	M36	X	-1.6e-5	-1.6e-5	0	%100
24	M36	Z	-2.8e-5	-2.8e-5	0	%100
25	M37	X	-3.288	-3.288	0	%100
26	M37	Z	-5.695	-5.695	0	%100
27	M38	X	-4.132	-4.132	0	%100
28	M38	Z	-7.157	-7.157	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	-4.136	-4.136	0	%100
32	M47	Z	-7.163	-7.163	0	%100
33	M1	X	-4.136	-4.136	0	%100
34	M1	Z	-7.163	-7.163	0	%100
35	M58	X	-2.514	-2.514	0	%100
36	M58	Z	-4.355	-4.355	0	%100
37	M70	X	0	0	0	%100
38	M70	Z	0	0	0	%100
39	M82	X	-2.514	-2.514	0	%100
40	M82	Z	-4.355	-4.355	0	%100
41	MP1A	X	-5.073	-5.073	0	%100
42	MP1A	Z	-8.787	-8.787	0	%100
43	M132A	X	0	0	0	%100
44	M132A	Z	0	0	0	%100
45	M133A	X	0	0	0	%100
46	M133A	Z	0	0	0	%100
47	M134A	X	0	0	0	%100
48	M134A	Z	0	0	0	%100
49	M135A	X	0	0	0	%100
50	M135A	Z	0	0	0	%100
51	M140	X	-3.304	-3.304	0	%100
52	M140	Z	-5.723	-5.723	0	%100
53	M141	X	-3.304	-3.304	0	%100
54	M141	Z	-5.723	-5.723	0	%100
55	M142	X	-2.945	-2.945	0	%100
56	M142	Z	-5.101	-5.101	0	%100
57	M143	X	-2.945	-2.945	0	%100
58	M143	Z	-5.101	-5.101	0	%100
59	M125	X	-2.832	-2.832	0	%100
60	M125	Z	-4.905	-4.905	0	%100
61	M127A	X	-4.607	-4.607	0	%100
62	M127A	Z	-7.98	-7.98	0	%100
63	M128A	X	-4.607	-4.607	0	%100
64	M128A	Z	-7.98	-7.98	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
65	M129	X	-4.607	-4.607	0	%100
66	M129	Z	-7.98	-7.98	0	%100
67	M127B	X	-.605	-.605	0	%100
68	M127B	Z	-1.047	-1.047	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	0	0	0	%100
71	M129A	X	-.605	-.605	0	%100
72	M129A	Z	-1.047	-1.047	0	%100
73	M99	X	-4.163	-4.163	0	%100
74	M99	Z	-7.211	-7.211	0	%100
75	M100A	X	-5.821	-5.821	0	%100
76	M100A	Z	-10.082	-10.082	0	%100
77	M101A	X	-1.041	-1.041	0	%100
78	M101A	Z	-1.803	-1.803	0	%100
79	M102	X	-2.832	-2.832	0	%100
80	M102	Z	-4.905	-4.905	0	%100
81	MP2A	X	-5.073	-5.073	0	%100
82	MP2A	Z	-8.787	-8.787	0	%100
83	MP3A	X	-5.073	-5.073	0	%100
84	MP3A	Z	-8.787	-8.787	0	%100
85	MP1C	X	-5.073	-5.073	0	%100
86	MP1C	Z	-8.787	-8.787	0	%100
87	MP2C	X	-5.073	-5.073	0	%100
88	MP2C	Z	-8.787	-8.787	0	%100
89	MP3C	X	-5.073	-5.073	0	%100
90	MP3C	Z	-8.787	-8.787	0	%100
91	MP1B	X	-5.073	-5.073	0	%100
92	MP1B	Z	-8.787	-8.787	0	%100
93	MP2B	X	-5.073	-5.073	0	%100
94	MP2B	Z	-8.787	-8.787	0	%100
95	MP3B	X	-5.073	-5.073	0	%100
96	MP3B	Z	-8.787	-8.787	0	%100
97	M113	X	-3.819	-3.819	0	%100
98	M113	Z	-6.615	-6.615	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	0	0	0	%100
2	M6	Z	-.844	-.844	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-.674	-.674	0	%100
5	M8	X	0	0	0	%100
6	M8	Z	-3.398	-3.398	0	%100
7	M21	X	0	0	0	%100
8	M21	Z	-3.398	-3.398	0	%100
9	M22	X	0	0	0	%100
10	M22	Z	-.674	-.674	0	%100
11	M23	X	0	0	0	%100
12	M23	Z	-.844	-.844	0	%100
13	M31	X	0	0	0	%100
14	M31	Z	0	0	0	%100
15	M32	X	0	0	0	%100
16	M32	Z	-2.911	-2.911	0	%100
17	M33	X	0	0	0	%100
18	M33	Z	-2.911	-2.911	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	-2.509	-2.509	0	%100
21	M35	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
22	M35	Z	-2.509	-2.509	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	-.854	-.854	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	-2.695	-2.695	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	-.854	-.854	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	-.893	-.893	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	-.893	-.893	0	%100
33	M1	X	0	0	0	%100
34	M1	Z	-3.57	-3.57	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	-2.753	-2.753	0	%100
37	M70	X	0	0	0	%100
38	M70	Z	-.688	-.688	0	%100
39	M82	X	0	0	0	%100
40	M82	Z	-.688	-.688	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	-3.403	-3.403	0	%100
43	M132A	X	0	0	0	%100
44	M132A	Z	-.728	-.728	0	%100
45	M133A	X	0	0	0	%100
46	M133A	Z	-.728	-.728	0	%100
47	M134A	X	0	0	0	%100
48	M134A	Z	-.627	-.627	0	%100
49	M135A	X	0	0	0	%100
50	M135A	Z	-.627	-.627	0	%100
51	M140	X	0	0	0	%100
52	M140	Z	-.728	-.728	0	%100
53	M141	X	0	0	0	%100
54	M141	Z	-.728	-.728	0	%100
55	M142	X	0	0	0	%100
56	M142	Z	-.627	-.627	0	%100
57	M143	X	0	0	0	%100
58	M143	Z	-.627	-.627	0	%100
59	M125	X	0	0	0	%100
60	M125	Z	-.954	-.954	0	%100
61	M127A	X	0	0	0	%100
62	M127A	Z	-3.028	-3.028	0	%100
63	M128A	X	0	0	0	%100
64	M128A	Z	-3.028	-3.028	0	%100
65	M129	X	0	0	0	%100
66	M129	Z	-3.028	-3.028	0	%100
67	M127B	X	0	0	0	%100
68	M127B	Z	-.385	-.385	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	-.385	-.385	0	%100
71	M129A	X	0	0	0	%100
72	M129A	Z	-1.54	-1.54	0	%100
73	M99	X	0	0	0	%100
74	M99	Z	-2.293	-2.293	0	%100
75	M100A	X	0	0	0	%100
76	M100A	Z	-2.939	-2.939	0	%100
77	M101A	X	0	0	0	%100
78	M101A	Z	-2.293	-2.293	0	%100
79	M102	X	0	0	0	%100
80	M102	Z	-2.939	-2.939	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-3.403	-3.403	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-3.403	-3.403	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-3.403	-3.403	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	-3.403	-3.403	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-3.403	-3.403	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	-3.403	-3.403	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	-3.403	-3.403	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-3.403	-3.403	0	%100
97	M113	X	0	0	0	%100
98	M113	Z	-2.835	-2.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	5e-6	5e-6	0	%100
2	M6	Z	-9e-6	-9e-6	0	%100
3	M7	X	1.011	1.011	0	%100
4	M7	Z	-1.751	-1.751	0	%100
5	M8	X	1.277	1.277	0	%100
6	M8	Z	-2.211	-2.211	0	%100
7	M21	X	1.272	1.272	0	%100
8	M21	Z	-2.203	-2.203	0	%100
9	M22	X	0	0	0	%100
10	M22	Z	0	0	0	%100
11	M23	X	1.272	1.272	0	%100
12	M23	Z	-2.203	-2.203	0	%100
13	M31	X	.382	.382	0	%100
14	M31	Z	-.662	-.662	0	%100
15	M32	X	1.091	1.091	0	%100
16	M32	Z	-1.891	-1.891	0	%100
17	M33	X	1.091	1.091	0	%100
18	M33	Z	-1.891	-1.891	0	%100
19	M34	X	.941	.941	0	%100
20	M34	Z	-1.63	-1.63	0	%100
21	M35	X	.941	.941	0	%100
22	M35	Z	-1.63	-1.63	0	%100
23	M36	X	1.277	1.277	0	%100
24	M36	Z	-2.211	-2.211	0	%100
25	M37	X	1.011	1.011	0	%100
26	M37	Z	-1.751	-1.751	0	%100
27	M38	X	5e-6	5e-6	0	%100
28	M38	Z	-9e-6	-9e-6	0	%100
29	M46	X	1.339	1.339	0	%100
30	M46	Z	-2.319	-2.319	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	0	0	0	%100
33	M1	X	1.339	1.339	0	%100
34	M1	Z	-2.319	-2.319	0	%100
35	M58	X	1.032	1.032	0	%100
36	M58	Z	-1.788	-1.788	0	%100
37	M70	X	1.032	1.032	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
38	M70	Z	-1.788	-1.788	0	%100
39	M82	X	0	0	0	%100
40	M82	Z	0	0	0	%100
41	MP1A	X	1.702	1.702	0	%100
42	MP1A	Z	-2.947	-2.947	0	%100
43	M132A	X	1.091	1.091	0	%100
44	M132A	Z	-1.891	-1.891	0	%100
45	M133A	X	1.091	1.091	0	%100
46	M133A	Z	-1.891	-1.891	0	%100
47	M134A	X	.941	.941	0	%100
48	M134A	Z	-1.63	-1.63	0	%100
49	M135A	X	.941	.941	0	%100
50	M135A	Z	-1.63	-1.63	0	%100
51	M140	X	0	0	0	%100
52	M140	Z	0	0	0	%100
53	M141	X	0	0	0	%100
54	M141	Z	0	0	0	%100
55	M142	X	0	0	0	%100
56	M142	Z	0	0	0	%100
57	M143	X	0	0	0	%100
58	M143	Z	0	0	0	%100
59	M125	X	.808	.808	0	%100
60	M125	Z	-1.399	-1.399	0	%100
61	M127A	X	1.514	1.514	0	%100
62	M127A	Z	-2.622	-2.622	0	%100
63	M128A	X	1.514	1.514	0	%100
64	M128A	Z	-2.622	-2.622	0	%100
65	M129	X	1.514	1.514	0	%100
66	M129	Z	-2.622	-2.622	0	%100
67	M127B	X	0	0	0	%100
68	M127B	Z	0	0	0	%100
69	M128B	X	.578	.578	0	%100
70	M128B	Z	-1	-1	0	%100
71	M129A	X	.578	.578	0	%100
72	M129A	Z	-1	-1	0	%100
73	M99	X	.382	.382	0	%100
74	M99	Z	-.662	-.662	0	%100
75	M100A	X	.808	.808	0	%100
76	M100A	Z	-1.399	-1.399	0	%100
77	M101A	X	1.529	1.529	0	%100
78	M101A	Z	-2.648	-2.648	0	%100
79	M102	X	1.8	1.8	0	%100
80	M102	Z	-3.118	-3.118	0	%100
81	MP2A	X	1.702	1.702	0	%100
82	MP2A	Z	-2.947	-2.947	0	%100
83	MP3A	X	1.702	1.702	0	%100
84	MP3A	Z	-2.947	-2.947	0	%100
85	MP1C	X	1.702	1.702	0	%100
86	MP1C	Z	-2.947	-2.947	0	%100
87	MP2C	X	1.702	1.702	0	%100
88	MP2C	Z	-2.947	-2.947	0	%100
89	MP3C	X	1.702	1.702	0	%100
90	MP3C	Z	-2.947	-2.947	0	%100
91	MP1B	X	1.702	1.702	0	%100
92	MP1B	Z	-2.947	-2.947	0	%100
93	MP2B	X	1.702	1.702	0	%100
94	MP2B	Z	-2.947	-2.947	0	%100
95	MP3B	X	1.702	1.702	0	%100
96	MP3B	Z	-2.947	-2.947	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
97	M113	X	1.417	1.417	0	%100
98	M113	Z	-2.455	-2.455	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	.74	.74	0	%100
2	M6	Z	-.427	-.427	0	%100
3	M7	X	2.334	2.334	0	%100
4	M7	Z	-1.348	-1.348	0	%100
5	M8	X	.74	.74	0	%100
6	M8	Z	-.427	-.427	0	%100
7	M21	X	.731	.731	0	%100
8	M21	Z	-.422	-.422	0	%100
9	M22	X	.584	.584	0	%100
10	M22	Z	-.337	-.337	0	%100
11	M23	X	2.943	2.943	0	%100
12	M23	Z	-1.699	-1.699	0	%100
13	M31	X	1.986	1.986	0	%100
14	M31	Z	-1.146	-1.146	0	%100
15	M32	X	.63	.63	0	%100
16	M32	Z	-.364	-.364	0	%100
17	M33	X	.63	.63	0	%100
18	M33	Z	-.364	-.364	0	%100
19	M34	X	.543	.543	0	%100
20	M34	Z	-.314	-.314	0	%100
21	M35	X	.543	.543	0	%100
22	M35	Z	-.314	-.314	0	%100
23	M36	X	2.943	2.943	0	%100
24	M36	Z	-1.699	-1.699	0	%100
25	M37	X	.584	.584	0	%100
26	M37	Z	-.337	-.337	0	%100
27	M38	X	.731	.731	0	%100
28	M38	Z	-.422	-.422	0	%100
29	M46	X	3.092	3.092	0	%100
30	M46	Z	-1.785	-1.785	0	%100
31	M47	X	.773	.773	0	%100
32	M47	Z	-.446	-.446	0	%100
33	M1	X	.773	.773	0	%100
34	M1	Z	-.446	-.446	0	%100
35	M58	X	.596	.596	0	%100
36	M58	Z	-.344	-.344	0	%100
37	M70	X	2.384	2.384	0	%100
38	M70	Z	-1.376	-1.376	0	%100
39	M82	X	.596	.596	0	%100
40	M82	Z	-.344	-.344	0	%100
41	MP1A	X	2.947	2.947	0	%100
42	MP1A	Z	-1.702	-1.702	0	%100
43	M132A	X	2.521	2.521	0	%100
44	M132A	Z	-1.455	-1.455	0	%100
45	M133A	X	2.521	2.521	0	%100
46	M133A	Z	-1.455	-1.455	0	%100
47	M134A	X	2.173	2.173	0	%100
48	M134A	Z	-1.254	-1.254	0	%100
49	M135A	X	2.173	2.173	0	%100
50	M135A	Z	-1.254	-1.254	0	%100
51	M140	X	.63	.63	0	%100
52	M140	Z	-.364	-.364	0	%100
53	M141	X	.63	.63	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
54	M141	Z	-.364	-.364	0	%100
55	M142	X	.543	.543	0	%100
56	M142	Z	-.314	-.314	0	%100
57	M143	X	.543	.543	0	%100
58	M143	Z	-.314	-.314	0	%100
59	M125	X	2.545	2.545	0	%100
60	M125	Z	-1.469	-1.469	0	%100
61	M127A	X	2.622	2.622	0	%100
62	M127A	Z	-1.514	-1.514	0	%100
63	M128A	X	2.622	2.622	0	%100
64	M128A	Z	-1.514	-1.514	0	%100
65	M129	X	2.622	2.622	0	%100
66	M129	Z	-1.514	-1.514	0	%100
67	M127B	X	.333	.333	0	%100
68	M127B	Z	-.193	-.193	0	%100
69	M128B	X	1.334	1.334	0	%100
70	M128B	Z	-.77	-.77	0	%100
71	M129A	X	.333	.333	0	%100
72	M129A	Z	-.193	-.193	0	%100
73	M99	X	0	0	0	%100
74	M99	Z	0	0	0	%100
75	M100A	X	.826	.826	0	%100
76	M100A	Z	-.477	-.477	0	%100
77	M101A	X	1.986	1.986	0	%100
78	M101A	Z	-1.146	-1.146	0	%100
79	M102	X	2.545	2.545	0	%100
80	M102	Z	-1.469	-1.469	0	%100
81	MP2A	X	2.947	2.947	0	%100
82	MP2A	Z	-1.702	-1.702	0	%100
83	MP3A	X	2.947	2.947	0	%100
84	MP3A	Z	-1.702	-1.702	0	%100
85	MP1C	X	2.947	2.947	0	%100
86	MP1C	Z	-1.702	-1.702	0	%100
87	MP2C	X	2.947	2.947	0	%100
88	MP2C	Z	-1.702	-1.702	0	%100
89	MP3C	X	2.947	2.947	0	%100
90	MP3C	Z	-1.702	-1.702	0	%100
91	MP1B	X	2.947	2.947	0	%100
92	MP1B	Z	-1.702	-1.702	0	%100
93	MP2B	X	2.947	2.947	0	%100
94	MP2B	Z	-1.702	-1.702	0	%100
95	MP3B	X	2.947	2.947	0	%100
96	MP3B	Z	-1.702	-1.702	0	%100
97	M113	X	2.455	2.455	0	%100
98	M113	Z	-1.417	-1.417	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	2.553	2.553	0	%100
2	M6	Z	0	0	0	%100
3	M7	X	2.021	2.021	0	%100
4	M7	Z	0	0	0	%100
5	M8	X	1e-5	1e-5	0	%100
6	M8	Z	0	0	0	%100
7	M21	X	1e-5	1e-5	0	%100
8	M21	Z	0	0	0	%100
9	M22	X	2.021	2.021	0	%100
10	M22	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
11	M23	X	2.553	2.553	0	%100
12	M23	Z	0	0	0	%100
13	M31	X	3.057	3.057	0	%100
14	M31	Z	0	0	0	%100
15	M32	X	0	0	0	%100
16	M32	Z	0	0	0	%100
17	M33	X	0	0	0	%100
18	M33	Z	0	0	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	0	0	0	%100
21	M35	X	0	0	0	%100
22	M35	Z	0	0	0	%100
23	M36	X	2.543	2.543	0	%100
24	M36	Z	0	0	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	0	0	0	%100
27	M38	X	2.543	2.543	0	%100
28	M38	Z	0	0	0	%100
29	M46	X	2.678	2.678	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	2.678	2.678	0	%100
32	M47	Z	0	0	0	%100
33	M1	X	0	0	0	%100
34	M1	Z	0	0	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	0	0	0	%100
37	M70	X	2.065	2.065	0	%100
38	M70	Z	0	0	0	%100
39	M82	X	2.065	2.065	0	%100
40	M82	Z	0	0	0	%100
41	MP1A	X	3.403	3.403	0	%100
42	MP1A	Z	0	0	0	%100
43	M132A	X	2.183	2.183	0	%100
44	M132A	Z	0	0	0	%100
45	M133A	X	2.183	2.183	0	%100
46	M133A	Z	0	0	0	%100
47	M134A	X	1.882	1.882	0	%100
48	M134A	Z	0	0	0	%100
49	M135A	X	1.882	1.882	0	%100
50	M135A	Z	0	0	0	%100
51	M140	X	2.183	2.183	0	%100
52	M140	Z	0	0	0	%100
53	M141	X	2.183	2.183	0	%100
54	M141	Z	0	0	0	%100
55	M142	X	1.882	1.882	0	%100
56	M142	Z	0	0	0	%100
57	M143	X	1.882	1.882	0	%100
58	M143	Z	0	0	0	%100
59	M125	X	3.601	3.601	0	%100
60	M125	Z	0	0	0	%100
61	M127A	X	3.028	3.028	0	%100
62	M127A	Z	0	0	0	%100
63	M128A	X	3.028	3.028	0	%100
64	M128A	Z	0	0	0	%100
65	M129	X	3.028	3.028	0	%100
66	M129	Z	0	0	0	%100
67	M127B	X	1.155	1.155	0	%100
68	M127B	Z	0	0	0	%100
69	M128B	X	1.155	1.155	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
70	M128B	Z	0	0	0	%100
71	M129A	X	0	0	0	%100
72	M129A	Z	0	0	0	%100
73	M99	X	.764	.764	0	%100
74	M99	Z	0	0	0	%100
75	M100A	X	1.616	1.616	0	%100
76	M100A	Z	0	0	0	%100
77	M101A	X	.764	.764	0	%100
78	M101A	Z	0	0	0	%100
79	M102	X	1.616	1.616	0	%100
80	M102	Z	0	0	0	%100
81	MP2A	X	3.403	3.403	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	3.403	3.403	0	%100
84	MP3A	Z	0	0	0	%100
85	MP1C	X	3.403	3.403	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	3.403	3.403	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	3.403	3.403	0	%100
90	MP3C	Z	0	0	0	%100
91	MP1B	X	3.403	3.403	0	%100
92	MP1B	Z	0	0	0	%100
93	MP2B	X	3.403	3.403	0	%100
94	MP2B	Z	0	0	0	%100
95	MP3B	X	3.403	3.403	0	%100
96	MP3B	Z	0	0	0	%100
97	M113	X	2.835	2.835	0	%100
98	M113	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	2.943	2.943	0	%100
2	M6	Z	1.699	1.699	0	%100
3	M7	X	.584	.584	0	%100
4	M7	Z	.337	.337	0	%100
5	M8	X	.731	.731	0	%100
6	M8	Z	.422	.422	0	%100
7	M21	X	.74	.74	0	%100
8	M21	Z	.427	.427	0	%100
9	M22	X	2.334	2.334	0	%100
10	M22	Z	1.348	1.348	0	%100
11	M23	X	.74	.74	0	%100
12	M23	Z	.427	.427	0	%100
13	M31	X	1.986	1.986	0	%100
14	M31	Z	1.146	1.146	0	%100
15	M32	X	.63	.63	0	%100
16	M32	Z	.364	.364	0	%100
17	M33	X	.63	.63	0	%100
18	M33	Z	.364	.364	0	%100
19	M34	X	.543	.543	0	%100
20	M34	Z	.314	.314	0	%100
21	M35	X	.543	.543	0	%100
22	M35	Z	.314	.314	0	%100
23	M36	X	.731	.731	0	%100
24	M36	Z	.422	.422	0	%100
25	M37	X	.584	.584	0	%100
26	M37	Z	.337	.337	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
27	M38	X	2.943	2.943	0	%100
28	M38	Z	1.699	1.699	0	%100
29	M46	X	.773	.773	0	%100
30	M46	Z	.446	.446	0	%100
31	M47	X	3.092	3.092	0	%100
32	M47	Z	1.785	1.785	0	%100
33	M1	X	.773	.773	0	%100
34	M1	Z	.446	.446	0	%100
35	M58	X	.596	.596	0	%100
36	M58	Z	.344	.344	0	%100
37	M70	X	.596	.596	0	%100
38	M70	Z	.344	.344	0	%100
39	M82	X	2.384	2.384	0	%100
40	M82	Z	1.376	1.376	0	%100
41	MP1A	X	2.947	2.947	0	%100
42	MP1A	Z	1.702	1.702	0	%100
43	M132A	X	.63	.63	0	%100
44	M132A	Z	.364	.364	0	%100
45	M133A	X	.63	.63	0	%100
46	M133A	Z	.364	.364	0	%100
47	M134A	X	.543	.543	0	%100
48	M134A	Z	.314	.314	0	%100
49	M135A	X	.543	.543	0	%100
50	M135A	Z	.314	.314	0	%100
51	M140	X	2.521	2.521	0	%100
52	M140	Z	1.455	1.455	0	%100
53	M141	X	2.521	2.521	0	%100
54	M141	Z	1.455	1.455	0	%100
55	M142	X	2.173	2.173	0	%100
56	M142	Z	1.254	1.254	0	%100
57	M143	X	2.173	2.173	0	%100
58	M143	Z	1.254	1.254	0	%100
59	M125	X	2.545	2.545	0	%100
60	M125	Z	1.469	1.469	0	%100
61	M127A	X	2.622	2.622	0	%100
62	M127A	Z	1.514	1.514	0	%100
63	M128A	X	2.622	2.622	0	%100
64	M128A	Z	1.514	1.514	0	%100
65	M129	X	2.622	2.622	0	%100
66	M129	Z	1.514	1.514	0	%100
67	M127B	X	1.334	1.334	0	%100
68	M127B	Z	.77	.77	0	%100
69	M128B	X	.333	.333	0	%100
70	M128B	Z	.193	.193	0	%100
71	M129A	X	.333	.333	0	%100
72	M129A	Z	.193	.193	0	%100
73	M99	X	1.986	1.986	0	%100
74	M99	Z	1.146	1.146	0	%100
75	M100A	X	2.545	2.545	0	%100
76	M100A	Z	1.469	1.469	0	%100
77	M101A	X	0	0	0	%100
78	M101A	Z	0	0	0	%100
79	M102	X	.826	.826	0	%100
80	M102	Z	.477	.477	0	%100
81	MP2A	X	2.947	2.947	0	%100
82	MP2A	Z	1.702	1.702	0	%100
83	MP3A	X	2.947	2.947	0	%100
84	MP3A	Z	1.702	1.702	0	%100
85	MP1C	X	2.947	2.947	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
86	MP1C	Z	1.702	1.702	0	%100
87	MP2C	X	2.947	2.947	0	%100
88	MP2C	Z	1.702	1.702	0	%100
89	MP3C	X	2.947	2.947	0	%100
90	MP3C	Z	1.702	1.702	0	%100
91	MP1B	X	2.947	2.947	0	%100
92	MP1B	Z	1.702	1.702	0	%100
93	MP2B	X	2.947	2.947	0	%100
94	MP2B	Z	1.702	1.702	0	%100
95	MP3B	X	2.947	2.947	0	%100
96	MP3B	Z	1.702	1.702	0	%100
97	M113	X	2.455	2.455	0	%100
98	M113	Z	1.417	1.417	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	1.272	1.272	0	%100
2	M6	Z	2.203	2.203	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M8	X	1.272	1.272	0	%100
6	M8	Z	2.203	2.203	0	%100
7	M21	X	1.277	1.277	0	%100
8	M21	Z	2.211	2.211	0	%100
9	M22	X	1.011	1.011	0	%100
10	M22	Z	1.751	1.751	0	%100
11	M23	X	5e-6	5e-6	0	%100
12	M23	Z	9e-6	9e-6	0	%100
13	M31	X	.382	.382	0	%100
14	M31	Z	.662	.662	0	%100
15	M32	X	1.091	1.091	0	%100
16	M32	Z	1.891	1.891	0	%100
17	M33	X	1.091	1.091	0	%100
18	M33	Z	1.891	1.891	0	%100
19	M34	X	.941	.941	0	%100
20	M34	Z	1.63	1.63	0	%100
21	M35	X	.941	.941	0	%100
22	M35	Z	1.63	1.63	0	%100
23	M36	X	5e-6	5e-6	0	%100
24	M36	Z	9e-6	9e-6	0	%100
25	M37	X	1.011	1.011	0	%100
26	M37	Z	1.751	1.751	0	%100
27	M38	X	1.277	1.277	0	%100
28	M38	Z	2.211	2.211	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	1.339	1.339	0	%100
32	M47	Z	2.319	2.319	0	%100
33	M1	X	1.339	1.339	0	%100
34	M1	Z	2.319	2.319	0	%100
35	M58	X	1.032	1.032	0	%100
36	M58	Z	1.788	1.788	0	%100
37	M70	X	0	0	0	%100
38	M70	Z	0	0	0	%100
39	M82	X	1.032	1.032	0	%100
40	M82	Z	1.788	1.788	0	%100
41	MP1A	X	1.702	1.702	0	%100
42	MP1A	Z	2.947	2.947	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
43	M132A	X	0	0	0	%100
44	M132A	Z	0	0	0	%100
45	M133A	X	0	0	0	%100
46	M133A	Z	0	0	0	%100
47	M134A	X	0	0	0	%100
48	M134A	Z	0	0	0	%100
49	M135A	X	0	0	0	%100
50	M135A	Z	0	0	0	%100
51	M140	X	1.091	1.091	0	%100
52	M140	Z	1.891	1.891	0	%100
53	M141	X	1.091	1.091	0	%100
54	M141	Z	1.891	1.891	0	%100
55	M142	X	.941	.941	0	%100
56	M142	Z	1.63	1.63	0	%100
57	M143	X	.941	.941	0	%100
58	M143	Z	1.63	1.63	0	%100
59	M125	X	.808	.808	0	%100
60	M125	Z	1.399	1.399	0	%100
61	M127A	X	1.514	1.514	0	%100
62	M127A	Z	2.622	2.622	0	%100
63	M128A	X	1.514	1.514	0	%100
64	M128A	Z	2.622	2.622	0	%100
65	M129	X	1.514	1.514	0	%100
66	M129	Z	2.622	2.622	0	%100
67	M127B	X	.578	.578	0	%100
68	M127B	Z	1	1	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	0	0	0	%100
71	M129A	X	.578	.578	0	%100
72	M129A	Z	1	1	0	%100
73	M99	X	1.529	1.529	0	%100
74	M99	Z	2.648	2.648	0	%100
75	M100A	X	1.8	1.8	0	%100
76	M100A	Z	3.118	3.118	0	%100
77	M101A	X	.382	.382	0	%100
78	M101A	Z	.662	.662	0	%100
79	M102	X	.808	.808	0	%100
80	M102	Z	1.399	1.399	0	%100
81	MP2A	X	1.702	1.702	0	%100
82	MP2A	Z	2.947	2.947	0	%100
83	MP3A	X	1.702	1.702	0	%100
84	MP3A	Z	2.947	2.947	0	%100
85	MP1C	X	1.702	1.702	0	%100
86	MP1C	Z	2.947	2.947	0	%100
87	MP2C	X	1.702	1.702	0	%100
88	MP2C	Z	2.947	2.947	0	%100
89	MP3C	X	1.702	1.702	0	%100
90	MP3C	Z	2.947	2.947	0	%100
91	MP1B	X	1.702	1.702	0	%100
92	MP1B	Z	2.947	2.947	0	%100
93	MP2B	X	1.702	1.702	0	%100
94	MP2B	Z	2.947	2.947	0	%100
95	MP3B	X	1.702	1.702	0	%100
96	MP3B	Z	2.947	2.947	0	%100
97	M113	X	1.417	1.417	0	%100
98	M113	Z	2.455	2.455	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	0	0	0	%100
2	M6	Z	.844	.844	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	.674	.674	0	%100
5	M8	X	0	0	0	%100
6	M8	Z	3.398	3.398	0	%100
7	M21	X	0	0	0	%100
8	M21	Z	3.398	3.398	0	%100
9	M22	X	0	0	0	%100
10	M22	Z	.674	.674	0	%100
11	M23	X	0	0	0	%100
12	M23	Z	.844	.844	0	%100
13	M31	X	0	0	0	%100
14	M31	Z	0	0	0	%100
15	M32	X	0	0	0	%100
16	M32	Z	2.911	2.911	0	%100
17	M33	X	0	0	0	%100
18	M33	Z	2.911	2.911	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	2.509	2.509	0	%100
21	M35	X	0	0	0	%100
22	M35	Z	2.509	2.509	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	.854	.854	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	2.695	2.695	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	.854	.854	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	.893	.893	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	.893	.893	0	%100
33	M1	X	0	0	0	%100
34	M1	Z	3.57	3.57	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	2.753	2.753	0	%100
37	M70	X	0	0	0	%100
38	M70	Z	.688	.688	0	%100
39	M82	X	0	0	0	%100
40	M82	Z	.688	.688	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	3.403	3.403	0	%100
43	M132A	X	0	0	0	%100
44	M132A	Z	.728	.728	0	%100
45	M133A	X	0	0	0	%100
46	M133A	Z	.728	.728	0	%100
47	M134A	X	0	0	0	%100
48	M134A	Z	.627	.627	0	%100
49	M135A	X	0	0	0	%100
50	M135A	Z	.627	.627	0	%100
51	M140	X	0	0	0	%100
52	M140	Z	.728	.728	0	%100
53	M141	X	0	0	0	%100
54	M141	Z	.728	.728	0	%100
55	M142	X	0	0	0	%100
56	M142	Z	.627	.627	0	%100
57	M143	X	0	0	0	%100
58	M143	Z	.627	.627	0	%100
59	M125	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
60	M125	Z	.954	.954	0	%100
61	M127A	X	0	0	0	%100
62	M127A	Z	3.028	3.028	0	%100
63	M128A	X	0	0	0	%100
64	M128A	Z	3.028	3.028	0	%100
65	M129	X	0	0	0	%100
66	M129	Z	3.028	3.028	0	%100
67	M127B	X	0	0	0	%100
68	M127B	Z	.385	.385	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	.385	.385	0	%100
71	M129A	X	0	0	0	%100
72	M129A	Z	1.54	1.54	0	%100
73	M99	X	0	0	0	%100
74	M99	Z	2.293	2.293	0	%100
75	M100A	X	0	0	0	%100
76	M100A	Z	2.939	2.939	0	%100
77	M101A	X	0	0	0	%100
78	M101A	Z	2.293	2.293	0	%100
79	M102	X	0	0	0	%100
80	M102	Z	2.939	2.939	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	3.403	3.403	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	3.403	3.403	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	3.403	3.403	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	3.403	3.403	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	3.403	3.403	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	3.403	3.403	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	3.403	3.403	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	3.403	3.403	0	%100
97	M113	X	0	0	0	%100
98	M113	Z	2.835	2.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-5e-6	-5e-6	0	%100
2	M6	Z	9e-6	9e-6	0	%100
3	M7	X	-1.011	-1.011	0	%100
4	M7	Z	1.751	1.751	0	%100
5	M8	X	-1.277	-1.277	0	%100
6	M8	Z	2.211	2.211	0	%100
7	M21	X	-1.272	-1.272	0	%100
8	M21	Z	2.203	2.203	0	%100
9	M22	X	0	0	0	%100
10	M22	Z	0	0	0	%100
11	M23	X	-1.272	-1.272	0	%100
12	M23	Z	2.203	2.203	0	%100
13	M31	X	-.382	-.382	0	%100
14	M31	Z	.662	.662	0	%100
15	M32	X	-1.091	-1.091	0	%100
16	M32	Z	1.891	1.891	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
17	M33	X	-1.091	-1.091	0	%100
18	M33	Z	1.891	1.891	0	%100
19	M34	X	-.941	-.941	0	%100
20	M34	Z	1.63	1.63	0	%100
21	M35	X	-.941	-.941	0	%100
22	M35	Z	1.63	1.63	0	%100
23	M36	X	-1.277	-1.277	0	%100
24	M36	Z	2.211	2.211	0	%100
25	M37	X	-1.011	-1.011	0	%100
26	M37	Z	1.751	1.751	0	%100
27	M38	X	-5e-6	-5e-6	0	%100
28	M38	Z	9e-6	9e-6	0	%100
29	M46	X	-1.339	-1.339	0	%100
30	M46	Z	2.319	2.319	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	0	0	0	%100
33	M1	X	-1.339	-1.339	0	%100
34	M1	Z	2.319	2.319	0	%100
35	M58	X	-1.032	-1.032	0	%100
36	M58	Z	1.788	1.788	0	%100
37	M70	X	-1.032	-1.032	0	%100
38	M70	Z	1.788	1.788	0	%100
39	M82	X	0	0	0	%100
40	M82	Z	0	0	0	%100
41	MP1A	X	-1.702	-1.702	0	%100
42	MP1A	Z	2.947	2.947	0	%100
43	M132A	X	-1.091	-1.091	0	%100
44	M132A	Z	1.891	1.891	0	%100
45	M133A	X	-1.091	-1.091	0	%100
46	M133A	Z	1.891	1.891	0	%100
47	M134A	X	-.941	-.941	0	%100
48	M134A	Z	1.63	1.63	0	%100
49	M135A	X	-.941	-.941	0	%100
50	M135A	Z	1.63	1.63	0	%100
51	M140	X	0	0	0	%100
52	M140	Z	0	0	0	%100
53	M141	X	0	0	0	%100
54	M141	Z	0	0	0	%100
55	M142	X	0	0	0	%100
56	M142	Z	0	0	0	%100
57	M143	X	0	0	0	%100
58	M143	Z	0	0	0	%100
59	M125	X	-.808	-.808	0	%100
60	M125	Z	1.399	1.399	0	%100
61	M127A	X	-1.514	-1.514	0	%100
62	M127A	Z	2.622	2.622	0	%100
63	M128A	X	-1.514	-1.514	0	%100
64	M128A	Z	2.622	2.622	0	%100
65	M129	X	-1.514	-1.514	0	%100
66	M129	Z	2.622	2.622	0	%100
67	M127B	X	0	0	0	%100
68	M127B	Z	0	0	0	%100
69	M128B	X	-.578	-.578	0	%100
70	M128B	Z	1	1	0	%100
71	M129A	X	-.578	-.578	0	%100
72	M129A	Z	1	1	0	%100
73	M99	X	-.382	-.382	0	%100
74	M99	Z	.662	.662	0	%100
75	M100A	X	-.808	-.808	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
76	M100A	Z	1.399	1.399	0	%100
77	M101A	X	-1.529	-1.529	0	%100
78	M101A	Z	2.648	2.648	0	%100
79	M102	X	-1.8	-1.8	0	%100
80	M102	Z	3.118	3.118	0	%100
81	MP2A	X	-1.702	-1.702	0	%100
82	MP2A	Z	2.947	2.947	0	%100
83	MP3A	X	-1.702	-1.702	0	%100
84	MP3A	Z	2.947	2.947	0	%100
85	MP1C	X	-1.702	-1.702	0	%100
86	MP1C	Z	2.947	2.947	0	%100
87	MP2C	X	-1.702	-1.702	0	%100
88	MP2C	Z	2.947	2.947	0	%100
89	MP3C	X	-1.702	-1.702	0	%100
90	MP3C	Z	2.947	2.947	0	%100
91	MP1B	X	-1.702	-1.702	0	%100
92	MP1B	Z	2.947	2.947	0	%100
93	MP2B	X	-1.702	-1.702	0	%100
94	MP2B	Z	2.947	2.947	0	%100
95	MP3B	X	-1.702	-1.702	0	%100
96	MP3B	Z	2.947	2.947	0	%100
97	M113	X	-1.417	-1.417	0	%100
98	M113	Z	2.455	2.455	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-.74	-.74	0	%100
2	M6	Z	.427	.427	0	%100
3	M7	X	-2.334	-2.334	0	%100
4	M7	Z	1.348	1.348	0	%100
5	M8	X	-.74	-.74	0	%100
6	M8	Z	.427	.427	0	%100
7	M21	X	-.731	-.731	0	%100
8	M21	Z	.422	.422	0	%100
9	M22	X	-.584	-.584	0	%100
10	M22	Z	.337	.337	0	%100
11	M23	X	-2.943	-2.943	0	%100
12	M23	Z	1.699	1.699	0	%100
13	M31	X	-1.986	-1.986	0	%100
14	M31	Z	1.146	1.146	0	%100
15	M32	X	-.63	-.63	0	%100
16	M32	Z	.364	.364	0	%100
17	M33	X	-.63	-.63	0	%100
18	M33	Z	.364	.364	0	%100
19	M34	X	-.543	-.543	0	%100
20	M34	Z	.314	.314	0	%100
21	M35	X	-.543	-.543	0	%100
22	M35	Z	.314	.314	0	%100
23	M36	X	-2.943	-2.943	0	%100
24	M36	Z	1.699	1.699	0	%100
25	M37	X	-.584	-.584	0	%100
26	M37	Z	.337	.337	0	%100
27	M38	X	-.731	-.731	0	%100
28	M38	Z	.422	.422	0	%100
29	M46	X	-3.092	-3.092	0	%100
30	M46	Z	1.785	1.785	0	%100
31	M47	X	-.773	-.773	0	%100
32	M47	Z	.446	.446	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
33	M1	X	-.773	-.773	0	%100
34	M1	Z	.446	.446	0	%100
35	M58	X	-.596	-.596	0	%100
36	M58	Z	.344	.344	0	%100
37	M70	X	-2.384	-2.384	0	%100
38	M70	Z	1.376	1.376	0	%100
39	M82	X	-.596	-.596	0	%100
40	M82	Z	.344	.344	0	%100
41	MP1A	X	-2.947	-2.947	0	%100
42	MP1A	Z	1.702	1.702	0	%100
43	M132A	X	-2.521	-2.521	0	%100
44	M132A	Z	1.455	1.455	0	%100
45	M133A	X	-2.521	-2.521	0	%100
46	M133A	Z	1.455	1.455	0	%100
47	M134A	X	-2.173	-2.173	0	%100
48	M134A	Z	1.254	1.254	0	%100
49	M135A	X	-2.173	-2.173	0	%100
50	M135A	Z	1.254	1.254	0	%100
51	M140	X	-.63	-.63	0	%100
52	M140	Z	.364	.364	0	%100
53	M141	X	-.63	-.63	0	%100
54	M141	Z	.364	.364	0	%100
55	M142	X	-.543	-.543	0	%100
56	M142	Z	.314	.314	0	%100
57	M143	X	-.543	-.543	0	%100
58	M143	Z	.314	.314	0	%100
59	M125	X	-2.545	-2.545	0	%100
60	M125	Z	1.469	1.469	0	%100
61	M127A	X	-2.622	-2.622	0	%100
62	M127A	Z	1.514	1.514	0	%100
63	M128A	X	-2.622	-2.622	0	%100
64	M128A	Z	1.514	1.514	0	%100
65	M129	X	-2.622	-2.622	0	%100
66	M129	Z	1.514	1.514	0	%100
67	M127B	X	-.333	-.333	0	%100
68	M127B	Z	.193	.193	0	%100
69	M128B	X	-1.334	-1.334	0	%100
70	M128B	Z	.77	.77	0	%100
71	M129A	X	-.333	-.333	0	%100
72	M129A	Z	.193	.193	0	%100
73	M99	X	0	0	0	%100
74	M99	Z	0	0	0	%100
75	M100A	X	-.826	-.826	0	%100
76	M100A	Z	.477	.477	0	%100
77	M101A	X	-1.986	-1.986	0	%100
78	M101A	Z	1.146	1.146	0	%100
79	M102	X	-2.545	-2.545	0	%100
80	M102	Z	1.469	1.469	0	%100
81	MP2A	X	-2.947	-2.947	0	%100
82	MP2A	Z	1.702	1.702	0	%100
83	MP3A	X	-2.947	-2.947	0	%100
84	MP3A	Z	1.702	1.702	0	%100
85	MP1C	X	-2.947	-2.947	0	%100
86	MP1C	Z	1.702	1.702	0	%100
87	MP2C	X	-2.947	-2.947	0	%100
88	MP2C	Z	1.702	1.702	0	%100
89	MP3C	X	-2.947	-2.947	0	%100
90	MP3C	Z	1.702	1.702	0	%100
91	MP1B	X	-2.947	-2.947	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
92	MP1B	Z	1.702	1.702	0	%100
93	MP2B	X	-2.947	-2.947	0	%100
94	MP2B	Z	1.702	1.702	0	%100
95	MP3B	X	-2.947	-2.947	0	%100
96	MP3B	Z	1.702	1.702	0	%100
97	M113	X	-2.455	-2.455	0	%100
98	M113	Z	1.417	1.417	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-2.553	-2.553	0	%100
2	M6	Z	0	0	0	%100
3	M7	X	-2.021	-2.021	0	%100
4	M7	Z	0	0	0	%100
5	M8	X	-1e-5	-1e-5	0	%100
6	M8	Z	0	0	0	%100
7	M21	X	-1e-5	-1e-5	0	%100
8	M21	Z	0	0	0	%100
9	M22	X	-2.021	-2.021	0	%100
10	M22	Z	0	0	0	%100
11	M23	X	-2.553	-2.553	0	%100
12	M23	Z	0	0	0	%100
13	M31	X	-3.057	-3.057	0	%100
14	M31	Z	0	0	0	%100
15	M32	X	0	0	0	%100
16	M32	Z	0	0	0	%100
17	M33	X	0	0	0	%100
18	M33	Z	0	0	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	0	0	0	%100
21	M35	X	0	0	0	%100
22	M35	Z	0	0	0	%100
23	M36	X	-2.543	-2.543	0	%100
24	M36	Z	0	0	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	0	0	0	%100
27	M38	X	-2.543	-2.543	0	%100
28	M38	Z	0	0	0	%100
29	M46	X	-2.678	-2.678	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	-2.678	-2.678	0	%100
32	M47	Z	0	0	0	%100
33	M1	X	0	0	0	%100
34	M1	Z	0	0	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	0	0	0	%100
37	M70	X	-2.065	-2.065	0	%100
38	M70	Z	0	0	0	%100
39	M82	X	-2.065	-2.065	0	%100
40	M82	Z	0	0	0	%100
41	MP1A	X	-3.403	-3.403	0	%100
42	MP1A	Z	0	0	0	%100
43	M132A	X	-2.183	-2.183	0	%100
44	M132A	Z	0	0	0	%100
45	M133A	X	-2.183	-2.183	0	%100
46	M133A	Z	0	0	0	%100
47	M134A	X	-1.882	-1.882	0	%100
48	M134A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
49	M135A	X	-1.882	-1.882	0	%100
50	M135A	Z	0	0	0	%100
51	M140	X	-2.183	-2.183	0	%100
52	M140	Z	0	0	0	%100
53	M141	X	-2.183	-2.183	0	%100
54	M141	Z	0	0	0	%100
55	M142	X	-1.882	-1.882	0	%100
56	M142	Z	0	0	0	%100
57	M143	X	-1.882	-1.882	0	%100
58	M143	Z	0	0	0	%100
59	M125	X	-3.601	-3.601	0	%100
60	M125	Z	0	0	0	%100
61	M127A	X	-3.028	-3.028	0	%100
62	M127A	Z	0	0	0	%100
63	M128A	X	-3.028	-3.028	0	%100
64	M128A	Z	0	0	0	%100
65	M129	X	-3.028	-3.028	0	%100
66	M129	Z	0	0	0	%100
67	M127B	X	-1.155	-1.155	0	%100
68	M127B	Z	0	0	0	%100
69	M128B	X	-1.155	-1.155	0	%100
70	M128B	Z	0	0	0	%100
71	M129A	X	0	0	0	%100
72	M129A	Z	0	0	0	%100
73	M99	X	-.764	-.764	0	%100
74	M99	Z	0	0	0	%100
75	M100A	X	-1.616	-1.616	0	%100
76	M100A	Z	0	0	0	%100
77	M101A	X	-.764	-.764	0	%100
78	M101A	Z	0	0	0	%100
79	M102	X	-1.616	-1.616	0	%100
80	M102	Z	0	0	0	%100
81	MP2A	X	-3.403	-3.403	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-3.403	-3.403	0	%100
84	MP3A	Z	0	0	0	%100
85	MP1C	X	-3.403	-3.403	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	-3.403	-3.403	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	-3.403	-3.403	0	%100
90	MP3C	Z	0	0	0	%100
91	MP1B	X	-3.403	-3.403	0	%100
92	MP1B	Z	0	0	0	%100
93	MP2B	X	-3.403	-3.403	0	%100
94	MP2B	Z	0	0	0	%100
95	MP3B	X	-3.403	-3.403	0	%100
96	MP3B	Z	0	0	0	%100
97	M113	X	-2.835	-2.835	0	%100
98	M113	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-2.943	-2.943	0	%100
2	M6	Z	-1.699	-1.699	0	%100
3	M7	X	-.584	-.584	0	%100
4	M7	Z	-.337	-.337	0	%100
5	M8	X	-.731	-.731	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
6	M8	Z	-.422	-.422	0	%100
7	M21	X	-.74	-.74	0	%100
8	M21	Z	-.427	-.427	0	%100
9	M22	X	-2.334	-2.334	0	%100
10	M22	Z	-1.348	-1.348	0	%100
11	M23	X	-.74	-.74	0	%100
12	M23	Z	-.427	-.427	0	%100
13	M31	X	-1.986	-1.986	0	%100
14	M31	Z	-1.146	-1.146	0	%100
15	M32	X	-.63	-.63	0	%100
16	M32	Z	-.364	-.364	0	%100
17	M33	X	-.63	-.63	0	%100
18	M33	Z	-.364	-.364	0	%100
19	M34	X	-.543	-.543	0	%100
20	M34	Z	-.314	-.314	0	%100
21	M35	X	-.543	-.543	0	%100
22	M35	Z	-.314	-.314	0	%100
23	M36	X	-.731	-.731	0	%100
24	M36	Z	-.422	-.422	0	%100
25	M37	X	-.584	-.584	0	%100
26	M37	Z	-.337	-.337	0	%100
27	M38	X	-2.943	-2.943	0	%100
28	M38	Z	-1.699	-1.699	0	%100
29	M46	X	-.773	-.773	0	%100
30	M46	Z	-.446	-.446	0	%100
31	M47	X	-3.092	-3.092	0	%100
32	M47	Z	-1.785	-1.785	0	%100
33	M1	X	-.773	-.773	0	%100
34	M1	Z	-.446	-.446	0	%100
35	M58	X	-.596	-.596	0	%100
36	M58	Z	-.344	-.344	0	%100
37	M70	X	-.596	-.596	0	%100
38	M70	Z	-.344	-.344	0	%100
39	M82	X	-2.384	-2.384	0	%100
40	M82	Z	-1.376	-1.376	0	%100
41	MP1A	X	-2.947	-2.947	0	%100
42	MP1A	Z	-1.702	-1.702	0	%100
43	M132A	X	-.63	-.63	0	%100
44	M132A	Z	-.364	-.364	0	%100
45	M133A	X	-.63	-.63	0	%100
46	M133A	Z	-.364	-.364	0	%100
47	M134A	X	-.543	-.543	0	%100
48	M134A	Z	-.314	-.314	0	%100
49	M135A	X	-.543	-.543	0	%100
50	M135A	Z	-.314	-.314	0	%100
51	M140	X	-2.521	-2.521	0	%100
52	M140	Z	-1.455	-1.455	0	%100
53	M141	X	-2.521	-2.521	0	%100
54	M141	Z	-1.455	-1.455	0	%100
55	M142	X	-2.173	-2.173	0	%100
56	M142	Z	-1.254	-1.254	0	%100
57	M143	X	-2.173	-2.173	0	%100
58	M143	Z	-1.254	-1.254	0	%100
59	M125	X	-2.545	-2.545	0	%100
60	M125	Z	-1.469	-1.469	0	%100
61	M127A	X	-2.622	-2.622	0	%100
62	M127A	Z	-1.514	-1.514	0	%100
63	M128A	X	-2.622	-2.622	0	%100
64	M128A	Z	-1.514	-1.514	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
65	M129	X	-2.622	-2.622	0	%100
66	M129	Z	-1.514	-1.514	0	%100
67	M127B	X	-1.334	-1.334	0	%100
68	M127B	Z	-.77	-.77	0	%100
69	M128B	X	-.333	-.333	0	%100
70	M128B	Z	-.193	-.193	0	%100
71	M129A	X	-.333	-.333	0	%100
72	M129A	Z	-.193	-.193	0	%100
73	M99	X	-1.986	-1.986	0	%100
74	M99	Z	-1.146	-1.146	0	%100
75	M100A	X	-2.545	-2.545	0	%100
76	M100A	Z	-1.469	-1.469	0	%100
77	M101A	X	0	0	0	%100
78	M101A	Z	0	0	0	%100
79	M102	X	-.826	-.826	0	%100
80	M102	Z	-.477	-.477	0	%100
81	MP2A	X	-2.947	-2.947	0	%100
82	MP2A	Z	-1.702	-1.702	0	%100
83	MP3A	X	-2.947	-2.947	0	%100
84	MP3A	Z	-1.702	-1.702	0	%100
85	MP1C	X	-2.947	-2.947	0	%100
86	MP1C	Z	-1.702	-1.702	0	%100
87	MP2C	X	-2.947	-2.947	0	%100
88	MP2C	Z	-1.702	-1.702	0	%100
89	MP3C	X	-2.947	-2.947	0	%100
90	MP3C	Z	-1.702	-1.702	0	%100
91	MP1B	X	-2.947	-2.947	0	%100
92	MP1B	Z	-1.702	-1.702	0	%100
93	MP2B	X	-2.947	-2.947	0	%100
94	MP2B	Z	-1.702	-1.702	0	%100
95	MP3B	X	-2.947	-2.947	0	%100
96	MP3B	Z	-1.702	-1.702	0	%100
97	M113	X	-2.455	-2.455	0	%100
98	M113	Z	-1.417	-1.417	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-1.272	-1.272	0	%100
2	M6	Z	-2.203	-2.203	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M8	X	-1.272	-1.272	0	%100
6	M8	Z	-2.203	-2.203	0	%100
7	M21	X	-1.277	-1.277	0	%100
8	M21	Z	-2.211	-2.211	0	%100
9	M22	X	-1.011	-1.011	0	%100
10	M22	Z	-1.751	-1.751	0	%100
11	M23	X	-5e-6	-5e-6	0	%100
12	M23	Z	-9e-6	-9e-6	0	%100
13	M31	X	-.382	-.382	0	%100
14	M31	Z	-.662	-.662	0	%100
15	M32	X	-1.091	-1.091	0	%100
16	M32	Z	-1.891	-1.891	0	%100
17	M33	X	-1.091	-1.091	0	%100
18	M33	Z	-1.891	-1.891	0	%100
19	M34	X	-.941	-.941	0	%100
20	M34	Z	-1.63	-1.63	0	%100
21	M35	X	-.941	-.941	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
22	M35	Z	-1.63	-1.63	0	%100
23	M36	X	-5e-6	-5e-6	0	%100
24	M36	Z	-9e-6	-9e-6	0	%100
25	M37	X	-1.011	-1.011	0	%100
26	M37	Z	-1.751	-1.751	0	%100
27	M38	X	-1.277	-1.277	0	%100
28	M38	Z	-2.211	-2.211	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	-1.339	-1.339	0	%100
32	M47	Z	-2.319	-2.319	0	%100
33	M1	X	-1.339	-1.339	0	%100
34	M1	Z	-2.319	-2.319	0	%100
35	M58	X	-1.032	-1.032	0	%100
36	M58	Z	-1.788	-1.788	0	%100
37	M70	X	0	0	0	%100
38	M70	Z	0	0	0	%100
39	M82	X	-1.032	-1.032	0	%100
40	M82	Z	-1.788	-1.788	0	%100
41	MP1A	X	-1.702	-1.702	0	%100
42	MP1A	Z	-2.947	-2.947	0	%100
43	M132A	X	0	0	0	%100
44	M132A	Z	0	0	0	%100
45	M133A	X	0	0	0	%100
46	M133A	Z	0	0	0	%100
47	M134A	X	0	0	0	%100
48	M134A	Z	0	0	0	%100
49	M135A	X	0	0	0	%100
50	M135A	Z	0	0	0	%100
51	M140	X	-1.091	-1.091	0	%100
52	M140	Z	-1.891	-1.891	0	%100
53	M141	X	-1.091	-1.091	0	%100
54	M141	Z	-1.891	-1.891	0	%100
55	M142	X	-.941	-.941	0	%100
56	M142	Z	-1.63	-1.63	0	%100
57	M143	X	-.941	-.941	0	%100
58	M143	Z	-1.63	-1.63	0	%100
59	M125	X	-.808	-.808	0	%100
60	M125	Z	-1.399	-1.399	0	%100
61	M127A	X	-1.514	-1.514	0	%100
62	M127A	Z	-2.622	-2.622	0	%100
63	M128A	X	-1.514	-1.514	0	%100
64	M128A	Z	-2.622	-2.622	0	%100
65	M129	X	-1.514	-1.514	0	%100
66	M129	Z	-2.622	-2.622	0	%100
67	M127B	X	-.578	-.578	0	%100
68	M127B	Z	-1	-1	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	0	0	0	%100
71	M129A	X	-.578	-.578	0	%100
72	M129A	Z	-1	-1	0	%100
73	M99	X	-1.529	-1.529	0	%100
74	M99	Z	-2.648	-2.648	0	%100
75	M100A	X	-1.8	-1.8	0	%100
76	M100A	Z	-3.118	-3.118	0	%100
77	M101A	X	-.382	-.382	0	%100
78	M101A	Z	-.662	-.662	0	%100
79	M102	X	-.808	-.808	0	%100
80	M102	Z	-1.399	-1.399	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
81	MP2A	X	-1.702	-1.702	0	%100
82	MP2A	Z	-2.947	-2.947	0	%100
83	MP3A	X	-1.702	-1.702	0	%100
84	MP3A	Z	-2.947	-2.947	0	%100
85	MP1C	X	-1.702	-1.702	0	%100
86	MP1C	Z	-2.947	-2.947	0	%100
87	MP2C	X	-1.702	-1.702	0	%100
88	MP2C	Z	-2.947	-2.947	0	%100
89	MP3C	X	-1.702	-1.702	0	%100
90	MP3C	Z	-2.947	-2.947	0	%100
91	MP1B	X	-1.702	-1.702	0	%100
92	MP1B	Z	-2.947	-2.947	0	%100
93	MP2B	X	-1.702	-1.702	0	%100
94	MP2B	Z	-2.947	-2.947	0	%100
95	MP3B	X	-1.702	-1.702	0	%100
96	MP3B	Z	-2.947	-2.947	0	%100
97	M113	X	-1.417	-1.417	0	%100
98	M113	Z	-2.455	-2.455	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	0	0	0	%100
2	M6	Z	-.186	-.186	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-.149	-.149	0	%100
5	M8	X	0	0	0	%100
6	M8	Z	-.748	-.748	0	%100
7	M21	X	0	0	0	%100
8	M21	Z	-.748	-.748	0	%100
9	M22	X	0	0	0	%100
10	M22	Z	-.149	-.149	0	%100
11	M23	X	0	0	0	%100
12	M23	Z	-.186	-.186	0	%100
13	M31	X	0	0	0	%100
14	M31	Z	0	0	0	%100
15	M32	X	0	0	0	%100
16	M32	Z	-.6	-.6	0	%100
17	M33	X	0	0	0	%100
18	M33	Z	-.6	-.6	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	-.534	-.534	0	%100
21	M35	X	0	0	0	%100
22	M35	Z	-.534	-.534	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	-.188	-.188	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	-.597	-.597	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	-.188	-.188	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	-.188	-.188	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	-.188	-.188	0	%100
33	M1	X	0	0	0	%100
34	M1	Z	-.751	-.751	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	-.456	-.456	0	%100
37	M70	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
38	M70	Z	-.114	-.114	0	%100
39	M82	X	0	0	0	%100
40	M82	Z	-.114	-.114	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	-.69	-.69	0	%100
43	M132A	X	0	0	0	%100
44	M132A	Z	-.15	-.15	0	%100
45	M133A	X	0	0	0	%100
46	M133A	Z	-.15	-.15	0	%100
47	M134A	X	0	0	0	%100
48	M134A	Z	-.134	-.134	0	%100
49	M135A	X	0	0	0	%100
50	M135A	Z	-.134	-.134	0	%100
51	M140	X	0	0	0	%100
52	M140	Z	-.15	-.15	0	%100
53	M141	X	0	0	0	%100
54	M141	Z	-.15	-.15	0	%100
55	M142	X	0	0	0	%100
56	M142	Z	-.134	-.134	0	%100
57	M143	X	0	0	0	%100
58	M143	Z	-.134	-.134	0	%100
59	M125	X	0	0	0	%100
60	M125	Z	-.25	-.25	0	%100
61	M127A	X	0	0	0	%100
62	M127A	Z	-.627	-.627	0	%100
63	M128A	X	0	0	0	%100
64	M128A	Z	-.627	-.627	0	%100
65	M129	X	0	0	0	%100
66	M129	Z	-.627	-.627	0	%100
67	M127B	X	0	0	0	%100
68	M127B	Z	-.027	-.027	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	-.027	-.027	0	%100
71	M129A	X	0	0	0	%100
72	M129A	Z	-.11	-.11	0	%100
73	M99	X	0	0	0	%100
74	M99	Z	-.425	-.425	0	%100
75	M100A	X	0	0	0	%100
76	M100A	Z	-.657	-.657	0	%100
77	M101A	X	0	0	0	%100
78	M101A	Z	-.425	-.425	0	%100
79	M102	X	0	0	0	%100
80	M102	Z	-.657	-.657	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-.69	-.69	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-.69	-.69	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-.69	-.69	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	-.69	-.69	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-.69	-.69	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	-.69	-.69	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	-.69	-.69	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-.69	-.69	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
97	M113	X	0	0	0	%100
98	M113	Z	-.52	-.52	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	1e-6	1e-6	0	%100
2	M6	Z	-2e-6	-2e-6	0	%100
3	M7	X	.224	.224	0	%100
4	M7	Z	-.388	-.388	0	%100
5	M8	X	.281	.281	0	%100
6	M8	Z	-.487	-.487	0	%100
7	M21	X	.28	.28	0	%100
8	M21	Z	-.485	-.485	0	%100
9	M22	X	0	0	0	%100
10	M22	Z	0	0	0	%100
11	M23	X	.28	.28	0	%100
12	M23	Z	-.485	-.485	0	%100
13	M31	X	.071	.071	0	%100
14	M31	Z	-.123	-.123	0	%100
15	M32	X	.225	.225	0	%100
16	M32	Z	-.389	-.389	0	%100
17	M33	X	.225	.225	0	%100
18	M33	Z	-.389	-.389	0	%100
19	M34	X	.2	.2	0	%100
20	M34	Z	-.347	-.347	0	%100
21	M35	X	.2	.2	0	%100
22	M35	Z	-.347	-.347	0	%100
23	M36	X	.281	.281	0	%100
24	M36	Z	-.487	-.487	0	%100
25	M37	X	.224	.224	0	%100
26	M37	Z	-.388	-.388	0	%100
27	M38	X	1e-6	1e-6	0	%100
28	M38	Z	-2e-6	-2e-6	0	%100
29	M46	X	.281	.281	0	%100
30	M46	Z	-.487	-.487	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	0	0	0	%100
33	M1	X	.281	.281	0	%100
34	M1	Z	-.487	-.487	0	%100
35	M58	X	.171	.171	0	%100
36	M58	Z	-.296	-.296	0	%100
37	M70	X	.171	.171	0	%100
38	M70	Z	-.296	-.296	0	%100
39	M82	X	0	0	0	%100
40	M82	Z	0	0	0	%100
41	MP1A	X	.345	.345	0	%100
42	MP1A	Z	-.598	-.598	0	%100
43	M132A	X	.225	.225	0	%100
44	M132A	Z	-.389	-.389	0	%100
45	M133A	X	.225	.225	0	%100
46	M133A	Z	-.389	-.389	0	%100
47	M134A	X	.2	.2	0	%100
48	M134A	Z	-.347	-.347	0	%100
49	M135A	X	.2	.2	0	%100
50	M135A	Z	-.347	-.347	0	%100
51	M140	X	0	0	0	%100
52	M140	Z	0	0	0	%100
53	M141	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
54	M141	Z	0	0	0	%100
55	M142	X	0	0	0	%100
56	M142	Z	0	0	0	%100
57	M143	X	0	0	0	%100
58	M143	Z	0	0	0	%100
59	M125	X	.193	.193	0	%100
60	M125	Z	-.334	-.334	0	%100
61	M127A	X	.314	.314	0	%100
62	M127A	Z	-.543	-.543	0	%100
63	M128A	X	.314	.314	0	%100
64	M128A	Z	-.543	-.543	0	%100
65	M129	X	.314	.314	0	%100
66	M129	Z	-.543	-.543	0	%100
67	M127B	X	0	0	0	%100
68	M127B	Z	0	0	0	%100
69	M128B	X	.041	.041	0	%100
70	M128B	Z	-.071	-.071	0	%100
71	M129A	X	.041	.041	0	%100
72	M129A	Z	-.071	-.071	0	%100
73	M99	X	.071	.071	0	%100
74	M99	Z	-.123	-.123	0	%100
75	M100A	X	.193	.193	0	%100
76	M100A	Z	-.334	-.334	0	%100
77	M101A	X	.283	.283	0	%100
78	M101A	Z	-.491	-.491	0	%100
79	M102	X	.396	.396	0	%100
80	M102	Z	-.686	-.686	0	%100
81	MP2A	X	.345	.345	0	%100
82	MP2A	Z	-.598	-.598	0	%100
83	MP3A	X	.345	.345	0	%100
84	MP3A	Z	-.598	-.598	0	%100
85	MP1C	X	.345	.345	0	%100
86	MP1C	Z	-.598	-.598	0	%100
87	MP2C	X	.345	.345	0	%100
88	MP2C	Z	-.598	-.598	0	%100
89	MP3C	X	.345	.345	0	%100
90	MP3C	Z	-.598	-.598	0	%100
91	MP1B	X	.345	.345	0	%100
92	MP1B	Z	-.598	-.598	0	%100
93	MP2B	X	.345	.345	0	%100
94	MP2B	Z	-.598	-.598	0	%100
95	MP3B	X	.345	.345	0	%100
96	MP3B	Z	-.598	-.598	0	%100
97	M113	X	.26	.26	0	%100
98	M113	Z	-.45	-.45	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	.163	.163	0	%100
2	M6	Z	-.094	-.094	0	%100
3	M7	X	.517	.517	0	%100
4	M7	Z	-.298	-.298	0	%100
5	M8	X	.163	.163	0	%100
6	M8	Z	-.094	-.094	0	%100
7	M21	X	.161	.161	0	%100
8	M21	Z	-.093	-.093	0	%100
9	M22	X	.129	.129	0	%100
10	M22	Z	-.075	-.075	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
11	M23	X	.648	.648	0	%100
12	M23	Z	-.374	-.374	0	%100
13	M31	X	.368	.368	0	%100
14	M31	Z	-.212	-.212	0	%100
15	M32	X	.13	.13	0	%100
16	M32	Z	-.075	-.075	0	%100
17	M33	X	.13	.13	0	%100
18	M33	Z	-.075	-.075	0	%100
19	M34	X	.116	.116	0	%100
20	M34	Z	-.067	-.067	0	%100
21	M35	X	.116	.116	0	%100
22	M35	Z	-.067	-.067	0	%100
23	M36	X	.648	.648	0	%100
24	M36	Z	-.374	-.374	0	%100
25	M37	X	.129	.129	0	%100
26	M37	Z	-.075	-.075	0	%100
27	M38	X	.161	.161	0	%100
28	M38	Z	-.093	-.093	0	%100
29	M46	X	.65	.65	0	%100
30	M46	Z	-.375	-.375	0	%100
31	M47	X	.162	.162	0	%100
32	M47	Z	-.094	-.094	0	%100
33	M1	X	.162	.162	0	%100
34	M1	Z	-.094	-.094	0	%100
35	M58	X	.099	.099	0	%100
36	M58	Z	-.057	-.057	0	%100
37	M70	X	.395	.395	0	%100
38	M70	Z	-.228	-.228	0	%100
39	M82	X	.099	.099	0	%100
40	M82	Z	-.057	-.057	0	%100
41	MP1A	X	.598	.598	0	%100
42	MP1A	Z	-.345	-.345	0	%100
43	M132A	X	.519	.519	0	%100
44	M132A	Z	-.3	-.3	0	%100
45	M133A	X	.519	.519	0	%100
46	M133A	Z	-.3	-.3	0	%100
47	M134A	X	.463	.463	0	%100
48	M134A	Z	-.267	-.267	0	%100
49	M135A	X	.463	.463	0	%100
50	M135A	Z	-.267	-.267	0	%100
51	M140	X	.13	.13	0	%100
52	M140	Z	-.075	-.075	0	%100
53	M141	X	.13	.13	0	%100
54	M141	Z	-.075	-.075	0	%100
55	M142	X	.116	.116	0	%100
56	M142	Z	-.067	-.067	0	%100
57	M143	X	.116	.116	0	%100
58	M143	Z	-.067	-.067	0	%100
59	M125	X	.569	.569	0	%100
60	M125	Z	-.328	-.328	0	%100
61	M127A	X	.543	.543	0	%100
62	M127A	Z	-.314	-.314	0	%100
63	M128A	X	.543	.543	0	%100
64	M128A	Z	-.314	-.314	0	%100
65	M129	X	.543	.543	0	%100
66	M129	Z	-.314	-.314	0	%100
67	M127B	X	.024	.024	0	%100
68	M127B	Z	-.014	-.014	0	%100
69	M128B	X	.095	.095	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
70	M128B	Z	-.055	-.055	0	%100
71	M129A	X	.024	.024	0	%100
72	M129A	Z	-.014	-.014	0	%100
73	M99	X	0	0	0	%100
74	M99	Z	0	0	0	%100
75	M100A	X	.216	.216	0	%100
76	M100A	Z	-.125	-.125	0	%100
77	M101A	X	.368	.368	0	%100
78	M101A	Z	-.212	-.212	0	%100
79	M102	X	.569	.569	0	%100
80	M102	Z	-.328	-.328	0	%100
81	MP2A	X	.598	.598	0	%100
82	MP2A	Z	-.345	-.345	0	%100
83	MP3A	X	.598	.598	0	%100
84	MP3A	Z	-.345	-.345	0	%100
85	MP1C	X	.598	.598	0	%100
86	MP1C	Z	-.345	-.345	0	%100
87	MP2C	X	.598	.598	0	%100
88	MP2C	Z	-.345	-.345	0	%100
89	MP3C	X	.598	.598	0	%100
90	MP3C	Z	-.345	-.345	0	%100
91	MP1B	X	.598	.598	0	%100
92	MP1B	Z	-.345	-.345	0	%100
93	MP2B	X	.598	.598	0	%100
94	MP2B	Z	-.345	-.345	0	%100
95	MP3B	X	.598	.598	0	%100
96	MP3B	Z	-.345	-.345	0	%100
97	M113	X	.45	.45	0	%100
98	M113	Z	-.26	-.26	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	.562	.562	0	%100
2	M6	Z	0	0	0	%100
3	M7	X	.447	.447	0	%100
4	M7	Z	0	0	0	%100
5	M8	X	2e-6	2e-6	0	%100
6	M8	Z	0	0	0	%100
7	M21	X	2e-6	2e-6	0	%100
8	M21	Z	0	0	0	%100
9	M22	X	.447	.447	0	%100
10	M22	Z	0	0	0	%100
11	M23	X	.562	.562	0	%100
12	M23	Z	0	0	0	%100
13	M31	X	.567	.567	0	%100
14	M31	Z	0	0	0	%100
15	M32	X	0	0	0	%100
16	M32	Z	0	0	0	%100
17	M33	X	0	0	0	%100
18	M33	Z	0	0	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	0	0	0	%100
21	M35	X	0	0	0	%100
22	M35	Z	0	0	0	%100
23	M36	X	.56	.56	0	%100
24	M36	Z	0	0	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
27	M38	X	.56	.56	0	%100
28	M38	Z	0	0	0	%100
29	M46	X	.563	.563	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	.563	.563	0	%100
32	M47	Z	0	0	0	%100
33	M1	X	0	0	0	%100
34	M1	Z	0	0	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	0	0	0	%100
37	M70	X	.342	.342	0	%100
38	M70	Z	0	0	0	%100
39	M82	X	.342	.342	0	%100
40	M82	Z	0	0	0	%100
41	MP1A	X	.69	.69	0	%100
42	MP1A	Z	0	0	0	%100
43	M132A	X	.45	.45	0	%100
44	M132A	Z	0	0	0	%100
45	M133A	X	.45	.45	0	%100
46	M133A	Z	0	0	0	%100
47	M134A	X	.401	.401	0	%100
48	M134A	Z	0	0	0	%100
49	M135A	X	.401	.401	0	%100
50	M135A	Z	0	0	0	%100
51	M140	X	.45	.45	0	%100
52	M140	Z	0	0	0	%100
53	M141	X	.45	.45	0	%100
54	M141	Z	0	0	0	%100
55	M142	X	.401	.401	0	%100
56	M142	Z	0	0	0	%100
57	M143	X	.401	.401	0	%100
58	M143	Z	0	0	0	%100
59	M125	X	.792	.792	0	%100
60	M125	Z	0	0	0	%100
61	M127A	X	.627	.627	0	%100
62	M127A	Z	0	0	0	%100
63	M128A	X	.627	.627	0	%100
64	M128A	Z	0	0	0	%100
65	M129	X	.627	.627	0	%100
66	M129	Z	0	0	0	%100
67	M127B	X	.082	.082	0	%100
68	M127B	Z	0	0	0	%100
69	M128B	X	.082	.082	0	%100
70	M128B	Z	0	0	0	%100
71	M129A	X	0	0	0	%100
72	M129A	Z	0	0	0	%100
73	M99	X	.142	.142	0	%100
74	M99	Z	0	0	0	%100
75	M100A	X	.385	.385	0	%100
76	M100A	Z	0	0	0	%100
77	M101A	X	.142	.142	0	%100
78	M101A	Z	0	0	0	%100
79	M102	X	.385	.385	0	%100
80	M102	Z	0	0	0	%100
81	MP2A	X	.69	.69	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	.69	.69	0	%100
84	MP3A	Z	0	0	0	%100
85	MP1C	X	.69	.69	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
86	MP1C	Z	0	0	0	%100
87	MP2C	X	.69	.69	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	.69	.69	0	%100
90	MP3C	Z	0	0	0	%100
91	MP1B	X	.69	.69	0	%100
92	MP1B	Z	0	0	0	%100
93	MP2B	X	.69	.69	0	%100
94	MP2B	Z	0	0	0	%100
95	MP3B	X	.69	.69	0	%100
96	MP3B	Z	0	0	0	%100
97	M113	X	.52	.52	0	%100
98	M113	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	.648	.648	0	%100
2	M6	Z	.374	.374	0	%100
3	M7	X	.129	.129	0	%100
4	M7	Z	.075	.075	0	%100
5	M8	X	.161	.161	0	%100
6	M8	Z	.093	.093	0	%100
7	M21	X	.163	.163	0	%100
8	M21	Z	.094	.094	0	%100
9	M22	X	.517	.517	0	%100
10	M22	Z	.298	.298	0	%100
11	M23	X	.163	.163	0	%100
12	M23	Z	.094	.094	0	%100
13	M31	X	.368	.368	0	%100
14	M31	Z	.212	.212	0	%100
15	M32	X	.13	.13	0	%100
16	M32	Z	.075	.075	0	%100
17	M33	X	.13	.13	0	%100
18	M33	Z	.075	.075	0	%100
19	M34	X	.116	.116	0	%100
20	M34	Z	.067	.067	0	%100
21	M35	X	.116	.116	0	%100
22	M35	Z	.067	.067	0	%100
23	M36	X	.161	.161	0	%100
24	M36	Z	.093	.093	0	%100
25	M37	X	.129	.129	0	%100
26	M37	Z	.075	.075	0	%100
27	M38	X	.648	.648	0	%100
28	M38	Z	.374	.374	0	%100
29	M46	X	.162	.162	0	%100
30	M46	Z	.094	.094	0	%100
31	M47	X	.65	.65	0	%100
32	M47	Z	.375	.375	0	%100
33	M1	X	.162	.162	0	%100
34	M1	Z	.094	.094	0	%100
35	M58	X	.099	.099	0	%100
36	M58	Z	.057	.057	0	%100
37	M70	X	.099	.099	0	%100
38	M70	Z	.057	.057	0	%100
39	M82	X	.395	.395	0	%100
40	M82	Z	.228	.228	0	%100
41	MP1A	X	.598	.598	0	%100
42	MP1A	Z	.345	.345	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
43	M132A	X	.13	.13	0	%100
44	M132A	Z	.075	.075	0	%100
45	M133A	X	.13	.13	0	%100
46	M133A	Z	.075	.075	0	%100
47	M134A	X	.116	.116	0	%100
48	M134A	Z	.067	.067	0	%100
49	M135A	X	.116	.116	0	%100
50	M135A	Z	.067	.067	0	%100
51	M140	X	.519	.519	0	%100
52	M140	Z	.3	.3	0	%100
53	M141	X	.519	.519	0	%100
54	M141	Z	.3	.3	0	%100
55	M142	X	.463	.463	0	%100
56	M142	Z	.267	.267	0	%100
57	M143	X	.463	.463	0	%100
58	M143	Z	.267	.267	0	%100
59	M125	X	.569	.569	0	%100
60	M125	Z	.328	.328	0	%100
61	M127A	X	.543	.543	0	%100
62	M127A	Z	.314	.314	0	%100
63	M128A	X	.543	.543	0	%100
64	M128A	Z	.314	.314	0	%100
65	M129	X	.543	.543	0	%100
66	M129	Z	.314	.314	0	%100
67	M127B	X	.095	.095	0	%100
68	M127B	Z	.055	.055	0	%100
69	M128B	X	.024	.024	0	%100
70	M128B	Z	.014	.014	0	%100
71	M129A	X	.024	.024	0	%100
72	M129A	Z	.014	.014	0	%100
73	M99	X	.368	.368	0	%100
74	M99	Z	.212	.212	0	%100
75	M100A	X	.569	.569	0	%100
76	M100A	Z	.328	.328	0	%100
77	M101A	X	0	0	0	%100
78	M101A	Z	0	0	0	%100
79	M102	X	.216	.216	0	%100
80	M102	Z	.125	.125	0	%100
81	MP2A	X	.598	.598	0	%100
82	MP2A	Z	.345	.345	0	%100
83	MP3A	X	.598	.598	0	%100
84	MP3A	Z	.345	.345	0	%100
85	MP1C	X	.598	.598	0	%100
86	MP1C	Z	.345	.345	0	%100
87	MP2C	X	.598	.598	0	%100
88	MP2C	Z	.345	.345	0	%100
89	MP3C	X	.598	.598	0	%100
90	MP3C	Z	.345	.345	0	%100
91	MP1B	X	.598	.598	0	%100
92	MP1B	Z	.345	.345	0	%100
93	MP2B	X	.598	.598	0	%100
94	MP2B	Z	.345	.345	0	%100
95	MP3B	X	.598	.598	0	%100
96	MP3B	Z	.345	.345	0	%100
97	M113	X	.45	.45	0	%100
98	M113	Z	.26	.26	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	.28	.28	0	%100
2	M6	Z	.485	.485	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M8	X	.28	.28	0	%100
6	M8	Z	.485	.485	0	%100
7	M21	X	.281	.281	0	%100
8	M21	Z	.487	.487	0	%100
9	M22	X	.224	.224	0	%100
10	M22	Z	.388	.388	0	%100
11	M23	X	1e-6	1e-6	0	%100
12	M23	Z	2e-6	2e-6	0	%100
13	M31	X	.071	.071	0	%100
14	M31	Z	.123	.123	0	%100
15	M32	X	.225	.225	0	%100
16	M32	Z	.389	.389	0	%100
17	M33	X	.225	.225	0	%100
18	M33	Z	.389	.389	0	%100
19	M34	X	.2	.2	0	%100
20	M34	Z	.347	.347	0	%100
21	M35	X	.2	.2	0	%100
22	M35	Z	.347	.347	0	%100
23	M36	X	1e-6	1e-6	0	%100
24	M36	Z	2e-6	2e-6	0	%100
25	M37	X	.224	.224	0	%100
26	M37	Z	.388	.388	0	%100
27	M38	X	.281	.281	0	%100
28	M38	Z	.487	.487	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	.281	.281	0	%100
32	M47	Z	.487	.487	0	%100
33	M1	X	.281	.281	0	%100
34	M1	Z	.487	.487	0	%100
35	M58	X	.171	.171	0	%100
36	M58	Z	.296	.296	0	%100
37	M70	X	0	0	0	%100
38	M70	Z	0	0	0	%100
39	M82	X	.171	.171	0	%100
40	M82	Z	.296	.296	0	%100
41	MP1A	X	.345	.345	0	%100
42	MP1A	Z	.598	.598	0	%100
43	M132A	X	0	0	0	%100
44	M132A	Z	0	0	0	%100
45	M133A	X	0	0	0	%100
46	M133A	Z	0	0	0	%100
47	M134A	X	0	0	0	%100
48	M134A	Z	0	0	0	%100
49	M135A	X	0	0	0	%100
50	M135A	Z	0	0	0	%100
51	M140	X	.225	.225	0	%100
52	M140	Z	.389	.389	0	%100
53	M141	X	.225	.225	0	%100
54	M141	Z	.389	.389	0	%100
55	M142	X	.2	.2	0	%100
56	M142	Z	.347	.347	0	%100
57	M143	X	.2	.2	0	%100
58	M143	Z	.347	.347	0	%100
59	M125	X	.193	.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
60	M125	Z	.334	.334	0	%100
61	M127A	X	.314	.314	0	%100
62	M127A	Z	.543	.543	0	%100
63	M128A	X	.314	.314	0	%100
64	M128A	Z	.543	.543	0	%100
65	M129	X	.314	.314	0	%100
66	M129	Z	.543	.543	0	%100
67	M127B	X	.041	.041	0	%100
68	M127B	Z	.071	.071	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	0	0	0	%100
71	M129A	X	.041	.041	0	%100
72	M129A	Z	.071	.071	0	%100
73	M99	X	.283	.283	0	%100
74	M99	Z	.491	.491	0	%100
75	M100A	X	.396	.396	0	%100
76	M100A	Z	.686	.686	0	%100
77	M101A	X	.071	.071	0	%100
78	M101A	Z	.123	.123	0	%100
79	M102	X	.193	.193	0	%100
80	M102	Z	.334	.334	0	%100
81	MP2A	X	.345	.345	0	%100
82	MP2A	Z	.598	.598	0	%100
83	MP3A	X	.345	.345	0	%100
84	MP3A	Z	.598	.598	0	%100
85	MP1C	X	.345	.345	0	%100
86	MP1C	Z	.598	.598	0	%100
87	MP2C	X	.345	.345	0	%100
88	MP2C	Z	.598	.598	0	%100
89	MP3C	X	.345	.345	0	%100
90	MP3C	Z	.598	.598	0	%100
91	MP1B	X	.345	.345	0	%100
92	MP1B	Z	.598	.598	0	%100
93	MP2B	X	.345	.345	0	%100
94	MP2B	Z	.598	.598	0	%100
95	MP3B	X	.345	.345	0	%100
96	MP3B	Z	.598	.598	0	%100
97	M113	X	.26	.26	0	%100
98	M113	Z	.45	.45	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	0	0	0	%100
2	M6	Z	.186	.186	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	.149	.149	0	%100
5	M8	X	0	0	0	%100
6	M8	Z	.748	.748	0	%100
7	M21	X	0	0	0	%100
8	M21	Z	.748	.748	0	%100
9	M22	X	0	0	0	%100
10	M22	Z	.149	.149	0	%100
11	M23	X	0	0	0	%100
12	M23	Z	.186	.186	0	%100
13	M31	X	0	0	0	%100
14	M31	Z	0	0	0	%100
15	M32	X	0	0	0	%100
16	M32	Z	.6	.6	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
17	M33	X	0	0	0	%100
18	M33	Z	.6	.6	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	.534	.534	0	%100
21	M35	X	0	0	0	%100
22	M35	Z	.534	.534	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	.188	.188	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	.597	.597	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	.188	.188	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	.188	.188	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	.188	.188	0	%100
33	M1	X	0	0	0	%100
34	M1	Z	.751	.751	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	.456	.456	0	%100
37	M70	X	0	0	0	%100
38	M70	Z	.114	.114	0	%100
39	M82	X	0	0	0	%100
40	M82	Z	.114	.114	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	.69	.69	0	%100
43	M132A	X	0	0	0	%100
44	M132A	Z	.15	.15	0	%100
45	M133A	X	0	0	0	%100
46	M133A	Z	.15	.15	0	%100
47	M134A	X	0	0	0	%100
48	M134A	Z	.134	.134	0	%100
49	M135A	X	0	0	0	%100
50	M135A	Z	.134	.134	0	%100
51	M140	X	0	0	0	%100
52	M140	Z	.15	.15	0	%100
53	M141	X	0	0	0	%100
54	M141	Z	.15	.15	0	%100
55	M142	X	0	0	0	%100
56	M142	Z	.134	.134	0	%100
57	M143	X	0	0	0	%100
58	M143	Z	.134	.134	0	%100
59	M125	X	0	0	0	%100
60	M125	Z	.25	.25	0	%100
61	M127A	X	0	0	0	%100
62	M127A	Z	.627	.627	0	%100
63	M128A	X	0	0	0	%100
64	M128A	Z	.627	.627	0	%100
65	M129	X	0	0	0	%100
66	M129	Z	.627	.627	0	%100
67	M127B	X	0	0	0	%100
68	M127B	Z	.027	.027	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	.027	.027	0	%100
71	M129A	X	0	0	0	%100
72	M129A	Z	.11	.11	0	%100
73	M99	X	0	0	0	%100
74	M99	Z	.425	.425	0	%100
75	M100A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
76	M100A	Z	.657	.657	0	%100
77	M101A	X	0	0	0	%100
78	M101A	Z	.425	.425	0	%100
79	M102	X	0	0	0	%100
80	M102	Z	.657	.657	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	.69	.69	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	.69	.69	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	.69	.69	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	.69	.69	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	.69	.69	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	.69	.69	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	.69	.69	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	.69	.69	0	%100
97	M113	X	0	0	0	%100
98	M113	Z	.52	.52	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-1e-6	-1e-6	0	%100
2	M6	Z	2e-6	2e-6	0	%100
3	M7	X	-.224	-.224	0	%100
4	M7	Z	.388	.388	0	%100
5	M8	X	-.281	-.281	0	%100
6	M8	Z	.487	.487	0	%100
7	M21	X	-.28	-.28	0	%100
8	M21	Z	.485	.485	0	%100
9	M22	X	0	0	0	%100
10	M22	Z	0	0	0	%100
11	M23	X	-.28	-.28	0	%100
12	M23	Z	.485	.485	0	%100
13	M31	X	-.071	-.071	0	%100
14	M31	Z	.123	.123	0	%100
15	M32	X	-.225	-.225	0	%100
16	M32	Z	.389	.389	0	%100
17	M33	X	-.225	-.225	0	%100
18	M33	Z	.389	.389	0	%100
19	M34	X	-.2	-.2	0	%100
20	M34	Z	.347	.347	0	%100
21	M35	X	-.2	-.2	0	%100
22	M35	Z	.347	.347	0	%100
23	M36	X	-.281	-.281	0	%100
24	M36	Z	.487	.487	0	%100
25	M37	X	-.224	-.224	0	%100
26	M37	Z	.388	.388	0	%100
27	M38	X	-1e-6	-1e-6	0	%100
28	M38	Z	2e-6	2e-6	0	%100
29	M46	X	-.281	-.281	0	%100
30	M46	Z	.487	.487	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
33	M1	X	-.281	-.281	0	%100
34	M1	Z	.487	.487	0	%100
35	M58	X	-.171	-.171	0	%100
36	M58	Z	.296	.296	0	%100
37	M70	X	-.171	-.171	0	%100
38	M70	Z	.296	.296	0	%100
39	M82	X	0	0	0	%100
40	M82	Z	0	0	0	%100
41	MP1A	X	-.345	-.345	0	%100
42	MP1A	Z	.598	.598	0	%100
43	M132A	X	-.225	-.225	0	%100
44	M132A	Z	.389	.389	0	%100
45	M133A	X	-.225	-.225	0	%100
46	M133A	Z	.389	.389	0	%100
47	M134A	X	-.2	-.2	0	%100
48	M134A	Z	.347	.347	0	%100
49	M135A	X	-.2	-.2	0	%100
50	M135A	Z	.347	.347	0	%100
51	M140	X	0	0	0	%100
52	M140	Z	0	0	0	%100
53	M141	X	0	0	0	%100
54	M141	Z	0	0	0	%100
55	M142	X	0	0	0	%100
56	M142	Z	0	0	0	%100
57	M143	X	0	0	0	%100
58	M143	Z	0	0	0	%100
59	M125	X	-.193	-.193	0	%100
60	M125	Z	.334	.334	0	%100
61	M127A	X	-.314	-.314	0	%100
62	M127A	Z	.543	.543	0	%100
63	M128A	X	-.314	-.314	0	%100
64	M128A	Z	.543	.543	0	%100
65	M129	X	-.314	-.314	0	%100
66	M129	Z	.543	.543	0	%100
67	M127B	X	0	0	0	%100
68	M127B	Z	0	0	0	%100
69	M128B	X	-.041	-.041	0	%100
70	M128B	Z	.071	.071	0	%100
71	M129A	X	-.041	-.041	0	%100
72	M129A	Z	.071	.071	0	%100
73	M99	X	-.071	-.071	0	%100
74	M99	Z	.123	.123	0	%100
75	M100A	X	-.193	-.193	0	%100
76	M100A	Z	.334	.334	0	%100
77	M101A	X	-.283	-.283	0	%100
78	M101A	Z	.491	.491	0	%100
79	M102	X	-.396	-.396	0	%100
80	M102	Z	.686	.686	0	%100
81	MP2A	X	-.345	-.345	0	%100
82	MP2A	Z	.598	.598	0	%100
83	MP3A	X	-.345	-.345	0	%100
84	MP3A	Z	.598	.598	0	%100
85	MP1C	X	-.345	-.345	0	%100
86	MP1C	Z	.598	.598	0	%100
87	MP2C	X	-.345	-.345	0	%100
88	MP2C	Z	.598	.598	0	%100
89	MP3C	X	-.345	-.345	0	%100
90	MP3C	Z	.598	.598	0	%100
91	MP1B	X	-.345	-.345	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
92	MP1B	Z	.598	.598	0	%100
93	MP2B	X	-.345	-.345	0	%100
94	MP2B	Z	.598	.598	0	%100
95	MP3B	X	-.345	-.345	0	%100
96	MP3B	Z	.598	.598	0	%100
97	M113	X	-.26	-.26	0	%100
98	M113	Z	.45	.45	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-.163	-.163	0	%100
2	M6	Z	.094	.094	0	%100
3	M7	X	-.517	-.517	0	%100
4	M7	Z	.298	.298	0	%100
5	M8	X	-.163	-.163	0	%100
6	M8	Z	.094	.094	0	%100
7	M21	X	-.161	-.161	0	%100
8	M21	Z	.093	.093	0	%100
9	M22	X	-.129	-.129	0	%100
10	M22	Z	.075	.075	0	%100
11	M23	X	-.648	-.648	0	%100
12	M23	Z	.374	.374	0	%100
13	M31	X	-.368	-.368	0	%100
14	M31	Z	.212	.212	0	%100
15	M32	X	-.13	-.13	0	%100
16	M32	Z	.075	.075	0	%100
17	M33	X	-.13	-.13	0	%100
18	M33	Z	.075	.075	0	%100
19	M34	X	-.116	-.116	0	%100
20	M34	Z	.067	.067	0	%100
21	M35	X	-.116	-.116	0	%100
22	M35	Z	.067	.067	0	%100
23	M36	X	-.648	-.648	0	%100
24	M36	Z	.374	.374	0	%100
25	M37	X	-.129	-.129	0	%100
26	M37	Z	.075	.075	0	%100
27	M38	X	-.161	-.161	0	%100
28	M38	Z	.093	.093	0	%100
29	M46	X	-.65	-.65	0	%100
30	M46	Z	.375	.375	0	%100
31	M47	X	-.162	-.162	0	%100
32	M47	Z	.094	.094	0	%100
33	M1	X	-.162	-.162	0	%100
34	M1	Z	.094	.094	0	%100
35	M58	X	-.099	-.099	0	%100
36	M58	Z	.057	.057	0	%100
37	M70	X	-.395	-.395	0	%100
38	M70	Z	.228	.228	0	%100
39	M82	X	-.099	-.099	0	%100
40	M82	Z	.057	.057	0	%100
41	MP1A	X	-.598	-.598	0	%100
42	MP1A	Z	.345	.345	0	%100
43	M132A	X	-.519	-.519	0	%100
44	M132A	Z	.3	.3	0	%100
45	M133A	X	-.519	-.519	0	%100
46	M133A	Z	.3	.3	0	%100
47	M134A	X	-.463	-.463	0	%100
48	M134A	Z	.267	.267	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
49	M135A	X	-.463	-.463	0	%100
50	M135A	Z	.267	.267	0	%100
51	M140	X	-.13	-.13	0	%100
52	M140	Z	.075	.075	0	%100
53	M141	X	-.13	-.13	0	%100
54	M141	Z	.075	.075	0	%100
55	M142	X	-.116	-.116	0	%100
56	M142	Z	.067	.067	0	%100
57	M143	X	-.116	-.116	0	%100
58	M143	Z	.067	.067	0	%100
59	M125	X	-.569	-.569	0	%100
60	M125	Z	.328	.328	0	%100
61	M127A	X	-.543	-.543	0	%100
62	M127A	Z	.314	.314	0	%100
63	M128A	X	-.543	-.543	0	%100
64	M128A	Z	.314	.314	0	%100
65	M129	X	-.543	-.543	0	%100
66	M129	Z	.314	.314	0	%100
67	M127B	X	-.024	-.024	0	%100
68	M127B	Z	.014	.014	0	%100
69	M128B	X	-.095	-.095	0	%100
70	M128B	Z	.055	.055	0	%100
71	M129A	X	-.024	-.024	0	%100
72	M129A	Z	.014	.014	0	%100
73	M99	X	0	0	0	%100
74	M99	Z	0	0	0	%100
75	M100A	X	-.216	-.216	0	%100
76	M100A	Z	.125	.125	0	%100
77	M101A	X	-.368	-.368	0	%100
78	M101A	Z	.212	.212	0	%100
79	M102	X	-.569	-.569	0	%100
80	M102	Z	.328	.328	0	%100
81	MP2A	X	-.598	-.598	0	%100
82	MP2A	Z	.345	.345	0	%100
83	MP3A	X	-.598	-.598	0	%100
84	MP3A	Z	.345	.345	0	%100
85	MP1C	X	-.598	-.598	0	%100
86	MP1C	Z	.345	.345	0	%100
87	MP2C	X	-.598	-.598	0	%100
88	MP2C	Z	.345	.345	0	%100
89	MP3C	X	-.598	-.598	0	%100
90	MP3C	Z	.345	.345	0	%100
91	MP1B	X	-.598	-.598	0	%100
92	MP1B	Z	.345	.345	0	%100
93	MP2B	X	-.598	-.598	0	%100
94	MP2B	Z	.345	.345	0	%100
95	MP3B	X	-.598	-.598	0	%100
96	MP3B	Z	.345	.345	0	%100
97	M113	X	-.45	-.45	0	%100
98	M113	Z	.26	.26	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-.562	-.562	0	%100
2	M6	Z	0	0	0	%100
3	M7	X	-.447	-.447	0	%100
4	M7	Z	0	0	0	%100
5	M8	X	-2e-6	-2e-6	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
6	M8	Z	0	0	0	%100
7	M21	X	-2e-6	-2e-6	0	%100
8	M21	Z	0	0	0	%100
9	M22	X	-.447	-.447	0	%100
10	M22	Z	0	0	0	%100
11	M23	X	-.562	-.562	0	%100
12	M23	Z	0	0	0	%100
13	M31	X	-.567	-.567	0	%100
14	M31	Z	0	0	0	%100
15	M32	X	0	0	0	%100
16	M32	Z	0	0	0	%100
17	M33	X	0	0	0	%100
18	M33	Z	0	0	0	%100
19	M34	X	0	0	0	%100
20	M34	Z	0	0	0	%100
21	M35	X	0	0	0	%100
22	M35	Z	0	0	0	%100
23	M36	X	-.56	-.56	0	%100
24	M36	Z	0	0	0	%100
25	M37	X	0	0	0	%100
26	M37	Z	0	0	0	%100
27	M38	X	-.56	-.56	0	%100
28	M38	Z	0	0	0	%100
29	M46	X	-.563	-.563	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	-.563	-.563	0	%100
32	M47	Z	0	0	0	%100
33	M1	X	0	0	0	%100
34	M1	Z	0	0	0	%100
35	M58	X	0	0	0	%100
36	M58	Z	0	0	0	%100
37	M70	X	-.342	-.342	0	%100
38	M70	Z	0	0	0	%100
39	M82	X	-.342	-.342	0	%100
40	M82	Z	0	0	0	%100
41	MP1A	X	-.69	-.69	0	%100
42	MP1A	Z	0	0	0	%100
43	M132A	X	-.45	-.45	0	%100
44	M132A	Z	0	0	0	%100
45	M133A	X	-.45	-.45	0	%100
46	M133A	Z	0	0	0	%100
47	M134A	X	-.401	-.401	0	%100
48	M134A	Z	0	0	0	%100
49	M135A	X	-.401	-.401	0	%100
50	M135A	Z	0	0	0	%100
51	M140	X	-.45	-.45	0	%100
52	M140	Z	0	0	0	%100
53	M141	X	-.45	-.45	0	%100
54	M141	Z	0	0	0	%100
55	M142	X	-.401	-.401	0	%100
56	M142	Z	0	0	0	%100
57	M143	X	-.401	-.401	0	%100
58	M143	Z	0	0	0	%100
59	M125	X	-.792	-.792	0	%100
60	M125	Z	0	0	0	%100
61	M127A	X	-.627	-.627	0	%100
62	M127A	Z	0	0	0	%100
63	M128A	X	-.627	-.627	0	%100
64	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
65	M129	X	-.627	-.627	0	%100
66	M129	Z	0	0	0	%100
67	M127B	X	-.082	-.082	0	%100
68	M127B	Z	0	0	0	%100
69	M128B	X	-.082	-.082	0	%100
70	M128B	Z	0	0	0	%100
71	M129A	X	0	0	0	%100
72	M129A	Z	0	0	0	%100
73	M99	X	-.142	-.142	0	%100
74	M99	Z	0	0	0	%100
75	M100A	X	-.385	-.385	0	%100
76	M100A	Z	0	0	0	%100
77	M101A	X	-.142	-.142	0	%100
78	M101A	Z	0	0	0	%100
79	M102	X	-.385	-.385	0	%100
80	M102	Z	0	0	0	%100
81	MP2A	X	-.69	-.69	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-.69	-.69	0	%100
84	MP3A	Z	0	0	0	%100
85	MP1C	X	-.69	-.69	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	-.69	-.69	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	-.69	-.69	0	%100
90	MP3C	Z	0	0	0	%100
91	MP1B	X	-.69	-.69	0	%100
92	MP1B	Z	0	0	0	%100
93	MP2B	X	-.69	-.69	0	%100
94	MP2B	Z	0	0	0	%100
95	MP3B	X	-.69	-.69	0	%100
96	MP3B	Z	0	0	0	%100
97	M113	X	-.52	-.52	0	%100
98	M113	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-.648	-.648	0	%100
2	M6	Z	-.374	-.374	0	%100
3	M7	X	-.129	-.129	0	%100
4	M7	Z	-.075	-.075	0	%100
5	M8	X	-.161	-.161	0	%100
6	M8	Z	-.093	-.093	0	%100
7	M21	X	-.163	-.163	0	%100
8	M21	Z	-.094	-.094	0	%100
9	M22	X	-.517	-.517	0	%100
10	M22	Z	-.298	-.298	0	%100
11	M23	X	-.163	-.163	0	%100
12	M23	Z	-.094	-.094	0	%100
13	M31	X	-.368	-.368	0	%100
14	M31	Z	-.212	-.212	0	%100
15	M32	X	-.13	-.13	0	%100
16	M32	Z	-.075	-.075	0	%100
17	M33	X	-.13	-.13	0	%100
18	M33	Z	-.075	-.075	0	%100
19	M34	X	-.116	-.116	0	%100
20	M34	Z	-.067	-.067	0	%100
21	M35	X	-.116	-.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
22	M35	Z	-.067	-.067	0	%100
23	M36	X	-.161	-.161	0	%100
24	M36	Z	-.093	-.093	0	%100
25	M37	X	-.129	-.129	0	%100
26	M37	Z	-.075	-.075	0	%100
27	M38	X	-.648	-.648	0	%100
28	M38	Z	-.374	-.374	0	%100
29	M46	X	-.162	-.162	0	%100
30	M46	Z	-.094	-.094	0	%100
31	M47	X	-.65	-.65	0	%100
32	M47	Z	-.375	-.375	0	%100
33	M1	X	-.162	-.162	0	%100
34	M1	Z	-.094	-.094	0	%100
35	M58	X	-.099	-.099	0	%100
36	M58	Z	-.057	-.057	0	%100
37	M70	X	-.099	-.099	0	%100
38	M70	Z	-.057	-.057	0	%100
39	M82	X	-.395	-.395	0	%100
40	M82	Z	-.228	-.228	0	%100
41	MP1A	X	-.598	-.598	0	%100
42	MP1A	Z	-.345	-.345	0	%100
43	M132A	X	-.13	-.13	0	%100
44	M132A	Z	-.075	-.075	0	%100
45	M133A	X	-.13	-.13	0	%100
46	M133A	Z	-.075	-.075	0	%100
47	M134A	X	-.116	-.116	0	%100
48	M134A	Z	-.067	-.067	0	%100
49	M135A	X	-.116	-.116	0	%100
50	M135A	Z	-.067	-.067	0	%100
51	M140	X	-.519	-.519	0	%100
52	M140	Z	-.3	-.3	0	%100
53	M141	X	-.519	-.519	0	%100
54	M141	Z	-.3	-.3	0	%100
55	M142	X	-.463	-.463	0	%100
56	M142	Z	-.267	-.267	0	%100
57	M143	X	-.463	-.463	0	%100
58	M143	Z	-.267	-.267	0	%100
59	M125	X	-.569	-.569	0	%100
60	M125	Z	-.328	-.328	0	%100
61	M127A	X	-.543	-.543	0	%100
62	M127A	Z	-.314	-.314	0	%100
63	M128A	X	-.543	-.543	0	%100
64	M128A	Z	-.314	-.314	0	%100
65	M129	X	-.543	-.543	0	%100
66	M129	Z	-.314	-.314	0	%100
67	M127B	X	-.095	-.095	0	%100
68	M127B	Z	-.055	-.055	0	%100
69	M128B	X	-.024	-.024	0	%100
70	M128B	Z	-.014	-.014	0	%100
71	M129A	X	-.024	-.024	0	%100
72	M129A	Z	-.014	-.014	0	%100
73	M99	X	-.368	-.368	0	%100
74	M99	Z	-.212	-.212	0	%100
75	M100A	X	-.569	-.569	0	%100
76	M100A	Z	-.328	-.328	0	%100
77	M101A	X	0	0	0	%100
78	M101A	Z	0	0	0	%100
79	M102	X	-.216	-.216	0	%100
80	M102	Z	-.125	-.125	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
81	MP2A	X	-.598	-.598	0	%100
82	MP2A	Z	-.345	-.345	0	%100
83	MP3A	X	-.598	-.598	0	%100
84	MP3A	Z	-.345	-.345	0	%100
85	MP1C	X	-.598	-.598	0	%100
86	MP1C	Z	-.345	-.345	0	%100
87	MP2C	X	-.598	-.598	0	%100
88	MP2C	Z	-.345	-.345	0	%100
89	MP3C	X	-.598	-.598	0	%100
90	MP3C	Z	-.345	-.345	0	%100
91	MP1B	X	-.598	-.598	0	%100
92	MP1B	Z	-.345	-.345	0	%100
93	MP2B	X	-.598	-.598	0	%100
94	MP2B	Z	-.345	-.345	0	%100
95	MP3B	X	-.598	-.598	0	%100
96	MP3B	Z	-.345	-.345	0	%100
97	M113	X	-.45	-.45	0	%100
98	M113	Z	-.26	-.26	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	-.28	-.28	0	%100
2	M6	Z	-.485	-.485	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M8	X	-.28	-.28	0	%100
6	M8	Z	-.485	-.485	0	%100
7	M21	X	-.281	-.281	0	%100
8	M21	Z	-.487	-.487	0	%100
9	M22	X	-.224	-.224	0	%100
10	M22	Z	-.388	-.388	0	%100
11	M23	X	-1e-6	-1e-6	0	%100
12	M23	Z	-2e-6	-2e-6	0	%100
13	M31	X	-.071	-.071	0	%100
14	M31	Z	-.123	-.123	0	%100
15	M32	X	-.225	-.225	0	%100
16	M32	Z	-.389	-.389	0	%100
17	M33	X	-.225	-.225	0	%100
18	M33	Z	-.389	-.389	0	%100
19	M34	X	-.2	-.2	0	%100
20	M34	Z	-.347	-.347	0	%100
21	M35	X	-.2	-.2	0	%100
22	M35	Z	-.347	-.347	0	%100
23	M36	X	-1e-6	-1e-6	0	%100
24	M36	Z	-2e-6	-2e-6	0	%100
25	M37	X	-.224	-.224	0	%100
26	M37	Z	-.388	-.388	0	%100
27	M38	X	-.281	-.281	0	%100
28	M38	Z	-.487	-.487	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	-.281	-.281	0	%100
32	M47	Z	-.487	-.487	0	%100
33	M1	X	-.281	-.281	0	%100
34	M1	Z	-.487	-.487	0	%100
35	M58	X	-.171	-.171	0	%100
36	M58	Z	-.296	-.296	0	%100
37	M70	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
38	M70	Z	0	0	0	%100
39	M82	X	-.171	-.171	0	%100
40	M82	Z	-.296	-.296	0	%100
41	MP1A	X	-.345	-.345	0	%100
42	MP1A	Z	-.598	-.598	0	%100
43	M132A	X	0	0	0	%100
44	M132A	Z	0	0	0	%100
45	M133A	X	0	0	0	%100
46	M133A	Z	0	0	0	%100
47	M134A	X	0	0	0	%100
48	M134A	Z	0	0	0	%100
49	M135A	X	0	0	0	%100
50	M135A	Z	0	0	0	%100
51	M140	X	-.225	-.225	0	%100
52	M140	Z	-.389	-.389	0	%100
53	M141	X	-.225	-.225	0	%100
54	M141	Z	-.389	-.389	0	%100
55	M142	X	-.2	-.2	0	%100
56	M142	Z	-.347	-.347	0	%100
57	M143	X	-.2	-.2	0	%100
58	M143	Z	-.347	-.347	0	%100
59	M125	X	-.193	-.193	0	%100
60	M125	Z	-.334	-.334	0	%100
61	M127A	X	-.314	-.314	0	%100
62	M127A	Z	-.543	-.543	0	%100
63	M128A	X	-.314	-.314	0	%100
64	M128A	Z	-.543	-.543	0	%100
65	M129	X	-.314	-.314	0	%100
66	M129	Z	-.543	-.543	0	%100
67	M127B	X	-.041	-.041	0	%100
68	M127B	Z	-.071	-.071	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	0	0	0	%100
71	M129A	X	-.041	-.041	0	%100
72	M129A	Z	-.071	-.071	0	%100
73	M99	X	-.283	-.283	0	%100
74	M99	Z	-.491	-.491	0	%100
75	M100A	X	-.396	-.396	0	%100
76	M100A	Z	-.686	-.686	0	%100
77	M101A	X	-.071	-.071	0	%100
78	M101A	Z	-.123	-.123	0	%100
79	M102	X	-.193	-.193	0	%100
80	M102	Z	-.334	-.334	0	%100
81	MP2A	X	-.345	-.345	0	%100
82	MP2A	Z	-.598	-.598	0	%100
83	MP3A	X	-.345	-.345	0	%100
84	MP3A	Z	-.598	-.598	0	%100
85	MP1C	X	-.345	-.345	0	%100
86	MP1C	Z	-.598	-.598	0	%100
87	MP2C	X	-.345	-.345	0	%100
88	MP2C	Z	-.598	-.598	0	%100
89	MP3C	X	-.345	-.345	0	%100
90	MP3C	Z	-.598	-.598	0	%100
91	MP1B	X	-.345	-.345	0	%100
92	MP1B	Z	-.598	-.598	0	%100
93	MP2B	X	-.345	-.345	0	%100
94	MP2B	Z	-.598	-.598	0	%100
95	MP3B	X	-.345	-.345	0	%100
96	MP3B	Z	-.598	-.598	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
97	M113	X	-.26	-.26	0	%100
98	M113	Z	-.45	-.45	0	%100

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	Y	-1.547	-7.696	0	8.438
2	M6	Y	-7.696	-8.645	8.438	16.875
3	M6	Y	-8.645	-7.147	16.875	25.313
4	M6	Y	-7.147	-6.568	25.313	33.75
5	M6	Y	-6.568	-4.153	33.75	42.188
6	M7	Y	-3.754	-3.754	2.148	14.148
7	M8	Y	-6.275	-8.816	0	10.547
8	M8	Y	-8.816	-10.308	10.547	21.094
9	M8	Y	-10.308	-7.419	21.094	31.641
10	M8	Y	-7.419	-1.199	31.641	42.188
11	M36	Y	-1.199	-7.419	0	10.547
12	M36	Y	-7.419	-10.308	10.547	21.094
13	M36	Y	-10.308	-8.816	21.094	31.641
14	M36	Y	-8.816	-6.275	31.641	42.188
15	M37	Y	-3.754	-3.754	5.29	17.29
16	M38	Y	-4.153	-6.568	0	8.438
17	M38	Y	-6.568	-7.147	8.438	16.875
18	M38	Y	-7.147	-8.645	16.875	25.313
19	M38	Y	-8.645	-7.696	25.313	33.75
20	M38	Y	-7.696	-1.547	33.75	42.188
21	M21	Y	-1.547	-7.696	0	8.438
22	M21	Y	-7.696	-8.645	8.438	16.875
23	M21	Y	-8.645	-7.147	16.875	25.313
24	M21	Y	-7.147	-6.568	25.313	33.75
25	M21	Y	-6.568	-4.153	33.75	42.188
26	M22	Y	-3.754	-3.754	2.148	14.148
27	M23	Y	-6.275	-8.816	0	10.547
28	M23	Y	-8.816	-10.308	10.547	21.094
29	M23	Y	-10.308	-7.419	21.094	31.641
30	M23	Y	-7.419	-1.199	31.641	42.188

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	Y	-2.933	-14.595	0	8.438
2	M6	Y	-14.595	-16.395	8.438	16.875
3	M6	Y	-16.395	-13.555	16.875	25.313
4	M6	Y	-13.555	-12.456	25.313	33.75
5	M6	Y	-12.456	-7.876	33.75	42.188
6	M7	Y	-7.12	-7.12	2.148	14.148
7	M8	Y	-11.901	-16.721	0	10.547
8	M8	Y	-16.721	-19.55	10.547	21.094
9	M8	Y	-19.55	-14.071	21.094	31.641
10	M8	Y	-14.071	-2.273	31.641	42.188
11	M36	Y	-2.273	-14.071	0	10.547
12	M36	Y	-14.071	-19.55	10.547	21.094
13	M36	Y	-19.55	-16.721	21.094	31.641
14	M36	Y	-16.721	-11.901	31.641	42.188
15	M37	Y	-7.12	-7.12	5.29	17.29
16	M38	Y	-7.876	-12.456	0	8.438
17	M38	Y	-12.456	-13.555	8.438	16.875
18	M38	Y	-13.555	-16.395	16.875	25.313
19	M38	Y	-16.395	-14.595	25.313	33.75
20	M38	Y	-14.595	-2.933	33.75	42.188

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
21	M21	Y	-2.933	-14.595	0	8.438
22	M21	Y	-14.595	-16.395	8.438	16.875
23	M21	Y	-16.395	-13.555	16.875	25.313
24	M21	Y	-13.555	-12.456	25.313	33.75
25	M21	Y	-12.456	-7.876	33.75	42.188
26	M22	Y	-7.12	-7.12	2.148	14.148
27	M23	Y	-11.901	-16.721	0	10.547
28	M23	Y	-16.721	-19.55	10.547	21.094
29	M23	Y	-19.55	-14.071	21.094	31.641
30	M23	Y	-14.071	-2.273	31.641	42.188

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	Z	-.046	-.231	0	8.438
2	M6	Z	-.231	-.259	8.438	16.875
3	M6	Z	-.259	-.214	16.875	25.313
4	M6	Z	-.214	-.197	25.313	33.75
5	M6	Z	-.197	-.125	33.75	42.188
6	M7	Z	-.113	-.113	2.148	14.148
7	M8	Z	-.188	-.264	0	10.547
8	M8	Z	-.264	-.309	10.547	21.094
9	M8	Z	-.309	-.223	21.094	31.641
10	M8	Z	-.223	-.036	31.641	42.188
11	M36	Z	-.036	-.223	0	10.547
12	M36	Z	-.223	-.309	10.547	21.094
13	M36	Z	-.309	-.264	21.094	31.641
14	M36	Z	-.264	-.188	31.641	42.188
15	M37	Z	-.113	-.113	5.29	17.29
16	M38	Z	-.125	-.197	0	8.438
17	M38	Z	-.197	-.214	8.438	16.875
18	M38	Z	-.214	-.259	16.875	25.313
19	M38	Z	-.259	-.231	25.313	33.75
20	M38	Z	-.231	-.046	33.75	42.188
21	M21	Z	-.046	-.231	0	8.438
22	M21	Z	-.231	-.259	8.438	16.875
23	M21	Z	-.259	-.214	16.875	25.313
24	M21	Z	-.214	-.197	25.313	33.75
25	M21	Z	-.197	-.125	33.75	42.188
26	M22	Z	-.113	-.113	2.148	14.148
27	M23	Z	-.188	-.264	0	10.547
28	M23	Z	-.264	-.309	10.547	21.094
29	M23	Z	-.309	-.223	21.094	31.641
30	M23	Z	-.223	-.036	31.641	42.188

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M6	X	.046	.231	0	8.438
2	M6	X	.231	.259	8.438	16.875
3	M6	X	.259	.214	16.875	25.313
4	M6	X	.214	.197	25.313	33.75
5	M6	X	.197	.125	33.75	42.188
6	M7	X	.113	.113	2.148	14.148
7	M8	X	.188	.264	0	10.547
8	M8	X	.264	.309	10.547	21.094
9	M8	X	.309	.223	21.094	31.641
10	M8	X	.223	.036	31.641	42.188
11	M36	X	.036	.223	0	10.547
12	M36	X	.223	.309	10.547	21.094

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
13	M36	X	.309	.264	21.094	31.641
14	M36	X	.264	.188	31.641	42.188
15	M37	X	.113	.113	5.29	17.29
16	M38	X	.125	.197	0	8.438
17	M38	X	.197	.214	8.438	16.875
18	M38	X	.214	.259	16.875	25.313
19	M38	X	.259	.231	25.313	33.75
20	M38	X	.231	.046	33.75	42.188
21	M21	X	.046	.231	0	8.438
22	M21	X	.231	.259	8.438	16.875
23	M21	X	.259	.214	16.875	25.313
24	M21	X	.214	.197	25.313	33.75
25	M21	X	.197	.125	33.75	42.188
26	M22	X	.113	.113	2.148	14.148
27	M23	X	.188	.264	0	10.547
28	M23	X	.264	.309	10.547	21.094
29	M23	X	.309	.223	21.094	31.641
30	M23	X	.223	.036	31.641	42.188

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N12	N13	N16	N15	Y	Two Way	-.005
2	N61	N60	N63	N64	Y	Two Way	-.005
3	N36	N37	N40	N39	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N12	N13	N16	N15	Y	Two Way	-.01
2	N61	N60	N63	N64	Y	Two Way	-.01
3	N36	N37	N40	N39	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N12	N13	N16	N15	Y	Two Way	0
2	N61	N60	N63	N64	Y	Two Way	0
3	N36	N37	N40	N39	Y	Two Way	0

Member Area Loads (BLC 85 : Structure Eh (0 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N12	N13	N16	N15	Z	Two Way	-.000156
2	N61	N60	N63	N64	Z	Two Way	-.000156
3	N36	N37	N40	N39	Z	Two Way	-.000156

Member Area Loads (BLC 86 : Structure Eh (90 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N12	N13	N16	N15	X	Two Way	.000156
2	N61	N60	N63	N64	X	Two Way	.000156
3	N36	N37	N40	N39	X	Two Way	.000156

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	N49	max	1274.089	10	506.573	19	4065.094	1	.545	19	1.58	4	.798	4
2		min	-1270.905	4	72.163	1	-1277.202	7	.14	1	-1.577	10	-.794	10
3	N217A	max	23.241	10	1745.767	13	-29.737	7	0	75	0	10	.002	4

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
4		min	-23.235	4	26.311	7	-3593.771	13	0	1	0	4	-.002	10
5	N161A	max	3576.606	9	536.473	15	852.264	1	.585	12	1.62	12	.201	7
6		min	-1128.093	3	56.956	9	-2269.051	7	-.84	6	-1.617	6	-.651	1
7	N163A	max	-15.749	3	1781.679	33	1851.085	33	.001	12	0	6	0	6
8		min	-3206.3	33	20.797	3	9.093	3	-.001	6	0	12	0	12
9	N166	max	1500.894	11	812.446	23	1095.089	12	.868	2	1.787	8	.848	2
10		min	-3994.852	5	-10.971	5	-2533.221	6	-1.185	8	-1.782	2	-.315	8
11	N168	max	3285.931	17	1841.326	17	1897.153	17	.001	2	0	2	0	2
12		min	-178.787	11	-86.425	11	-103.222	11	-.001	8	0	8	0	8
13	Totals:	max	3545.38	10	6317.748	24	3572.224	1						
14		min	-3545.38	4	2346.884	69	-3572.233	7						

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

	Member	Shape	Code C...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [l...	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M113	PIPE_2.0	.360	45	6	.026	45		6	26521.424	32130	1.872	1.872	2...	H1-1b
2	MP2A	PIPE_2.5	.262	70	1	.076	70		3	30038.461	50715	3.596	3.596	2...	H1-1b
3	MP2C	PIPE_2.5	.262	70	9	.075	70		11	30038.461	50715	3.596	3.596	2...	H1-1b
4	MP2B	PIPE_2.5	.261	70	5	.075	70		7	30038.461	50715	3.596	3.596	2...	H1-1b
5	M82	PIPE_1.5	.210	76.562	11	.086	125		11	2941.88	23593.5	1.105	1.105	3...	H1-1b
6	M58	PIPE_1.5	.206	75	7	.086	23.438		7	2941.88	23593.5	1.105	1.105	3...	H1-1b
7	M70	PIPE_1.5	.198	75	3	.086	23.437		3	2941.88	23593.5	1.105	1.105	3...	H1-1b
8	M127B	PL3/8X4 1/2	.166	0	3	.054	17.719	y	3	3359.857	51637.5	.403	4.572	1...	H1-1b
9	M128B	PL3/8X4 1/2	.164	35.437	7	.052	17.719	y	7	3359.857	51637.5	.403	4.572	1...	H1-1b
10	M129A	PL3/8X4 1/2	.161	0	11	.051	17.719	y	11	3359.857	51637.5	.403	4.572	1...	H1-1b
11	M133A	HSS3X3X3	.141	36.219	44	.045	36.219	y	12	73117.09	78246	6.796	6.796	2...	H1-1b
12	M140	HSS3X3X3	.139	36.219	42	.047	36.219	y	2	73117.09	78246	6.796	6.796	2...	H1-1b
13	M132A	HSS3X3X3	.134	36.219	22	.046	36.219	y	6	73117.09	78246	6.796	6.796	1...	H1-1b
14	M32	HSS3X3X3	.133	36.219	14	.043	36.219	y	10	73117.09	78246	6.796	6.796	1...	H1-1b
15	M141	HSS3X3X3	.131	36.219	16	.048	36.219	y	8	73117.09	78246	6.796	6.796	1...	H1-1b
16	M1	HSS3X3X3	.130	75	42	.086	60.938	z	7	24699.743	78246	6.796	6.796	1...	H1-1b
17	M33	HSS3X3X3	.130	36.219	24	.045	36.219	y	4	73117.09	78246	6.796	6.796	1...	H1-1b
18	M129	PIPE_3.0	.125	39.5	6	.059	39.5		6	61530.615	65205	5.749	5.749	1.8	H1-1b
19	M128A	PIPE_3.0	.125	39.5	10	.057	39.5		10	61530.615	65205	5.749	5.749	1...	H1-1b
20	M135A	HSS3X3X4	.122	18.344	33	.076	18.344	y	31	99185.406	101016	8.556	8.556	2...	H1-1b
21	M127A	PIPE_3.0	.121	39.5	2	.060	39.5		2	61530.615	65205	5.749	5.749	1...	H1-1b
22	M134A	HSS3X3X4	.119	18.344	10	.053	3.631	z	6	99185.406	101016	8.556	8.556	1...	H1-1b
23	M34	HSS3X3X4	.117	18.344	2	.052	3.631	z	10	99185.406	101016	8.556	8.556	1...	H1-1b
24	M142	HSS3X3X4	.117	18.344	5	.053	3.631	z	2	99185.406	101016	8.556	8.556	1...	H1-1b
25	M143	HSS3X3X4	.115	18.344	5	.057	3.631	z	8	99185.406	101016	8.556	8.556	1...	H1-1b
26	M35	HSS3X3X4	.113	18.344	1	.057	3.631	z	4	99185.406	101016	8.556	8.556	1...	H1-1b
27	M8	L2x2x3	.108	6.152	31	.049	0	y	22	12594.053	23392.8	.558	1.239	3...	H2-1
28	M101A	HSS6X3X4	.097	0	8	.102	0	y	8	138263.9...	158976	15.215	24.806	2...	H1-1b
29	M102	LL2x2x4x3	.097	48.754	17	.007	0	z	2	43508.827	61236	3.594	2.114	1	H1-1b*
30	M47	HSS3X3X3	.096	76.562	7	.090	89.062	z	5	24699.743	78246	6.796	6.796	2...	H1-1b
31	M100A	LL2x2x4x3	.094	48.754	33	.007	0	z	6	43508.799	61236	3.594	2.114	1	H1-1b*
32	M46	HSS3X3X3	.094	125	11	.088	60.937	z	9	24699.743	78246	6.796	6.796	1...	H1-1b
33	M125	LL2x2x4x3	.092	48.754	13	.007	0	z	10	43508.772	61236	3.594	2.114	1	H1-1b*
34	M21	L2x2x3	.091	36.036	15	.050	42.188	y	16	12594.053	23392.8	.558	1.239	2...	H2-1
35	M6	L2x2x3	.090	36.036	19	.050	36.036	y	19	12594.053	23392.8	.558	1.239	2...	H2-1
36	M36	L2x2x3	.089	36.036	23	.051	36.036	y	23	12594.053	23392.8	.558	1.239	2...	H2-1
37	M22	L2x2x3	.089	9.719	3	.013	0	z	3	20511.512	23392.8	.558	1.239	1...	H2-1
38	M23	L2x2x3	.088	6.152	19	.049	6.152	y	18	12594.053	23392.8	.558	1.239	2...	H2-1
39	M99	HSS6X3X4	.087	0	6	.076	44.516	z	31	138263.9...	158976	15.215	24.806	2...	H1-1b
40	M38	L2x2x3	.087	6.152	15	.047	0	y	14	12594.053	23392.8	.558	1.239	2...	H2-1
41	M31	HSS6X3X4	.085	0	4	.073	0	y	4	138263.9...	158976	15.215	24.806	2...	H1-1b
42	MP3A	PIPE_2.5	.084	70	50	.020	70		2	30038.461	50715	3.596	3.596	2...	H1-1b
43	MP3B	PIPE_2.5	.079	70	7	.019	70		6	30038.461	50715	3.596	3.596	3...	H1-1b

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

	Member	Shape	Code C...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [l...	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
44	MP3C	PIPE_2.5	.078	70	11	.020	70		10	30038.461	50715	3.596	3.596	3....	H1-1b
45	MP1C	PIPE_2.5	.077	70	7	.027	70		11	30038.461	50715	3.596	3.596	2....	H1-1b
46	MP1A	PIPE_2.5	.077	70	11	.028	70		3	30038.461	50715	3.596	3.596	3....	H1-1b
47	M37	L2x2x3	.077	9.719	24	.025	0	y	11	20511.512	23392.8	.558	1.239	1....	H2-1
48	M7	L2x2x3	.076	9.719	20	.027	0	y	31	20511.512	23392.8	.558	1.239	1....	H2-1
49	MP1B	PIPE_2.5	.075	70	3	.028	70		7	30038.461	50715	3.596	3.596	2....	H1-1b

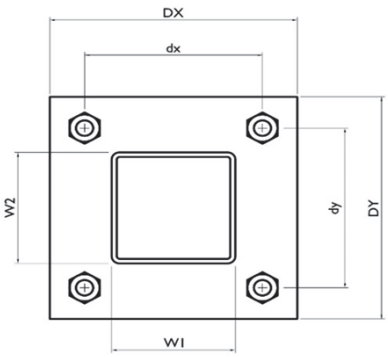
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	11/21/2023
Site Name:	BURLINGTON W CT		
MDG #:	5000382154		
Fuze ID #:	16272335	Page:	1

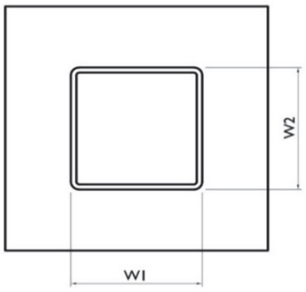
Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	10
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	10
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	1.6
Required Shear Strength / bolt (kips):	0.9
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	**8.3%**



Tower Connection Baseplate Checks	Yes
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	12
Plate Height, D_y (in):	12
W1(in):	6
W2 (in):	3
Member Thickness (in):	0.25
Stiffener location a_1 (in):	
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.625
Length of Yield Line, L_y (in):	9.56
Bolt Eccentricity, e (in):	4.12
M_u (kip-in):	7.11
Phi*M_n (kip-in):	30.24
Plate Bending Utilization:	**23.5%**



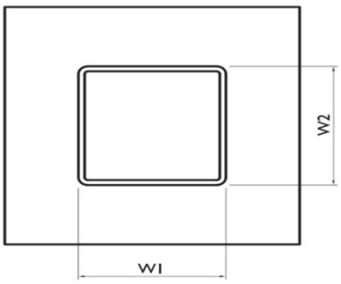
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	11/21/2023
Site Name:	BURLINGTON W CT		
PSLC #:	5000382154		
Fuze ID #:	16272335	Page:	2

Version 1.01

Tower Connection Weld Checks	Yes

Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Weld Size (1/16 in):	4
W1 (in):	6
W2 (in):	3
Weld Total Length (in):	18.00
Z_x (in^3/in):	21.00
Z_y (in^3/in):	30.00
J_p (in^4/in):	121.50
c_x (in)	3.25
c_y (in)	1.75
Required combined strength (kip/in):	0.79
Weld Capacity (kip/in):	5.57
Weld Utilization:	**14.2%**



FOX HILL TELECOM

Radio Frequency Emissions Analysis Report

Prepared for:

Crown Site ID: 845993_Burlington - Nepaug Road

Verizon Wireless Site Name: Burlington W CT

Verizon Wireless FUZE ID: 16272335

Site Address:

12 Nepaug Road

Burlington, CT 06013

April 26, 2024

Fox Hill Telecom Project Number: 240103

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general population allowable limit:	33.80 %

FOX HILL TELECOM

April 26, 2024

Crown Castle
1800 W. Park Drive
Westborough, MA 01581

Emissions Analysis for:

Crown Castle Site: **845993 – Burlington - Nepaug Road**

Verizon Wireless Site: Burlington W CT

Fox Hill Telecom, Inc ("Fox Hill") was directed to analyze the proposed upgrades for Verizon Wireless to the Crown Castle facility located at **12 Nepaug Road, Burlington, CT**, for the purpose of determining whether the emissions from the Proposed Verizon Wireless Antenna Installation, in addition to all existing radio systems located on this property, are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter (μW/cm2). The number of $\mu W/cm^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general population may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general population would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

General population exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu W/cm^2$). The general population exposure limits for the 700 MHz band & the 850 MHz cellular band are approximately 497 $\mu W/cm^2$ and 586 $\mu W/cm^2$ respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS), 3500 MHz (CBRS) and 3700 MHz (C band) frequency bands is 1000 $\mu W/cm^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report the percentage of MPE rather than power density.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were performed for the proposed upgrades to the Crown Castle facility for Verizon Wireless located at **12 Nepaug Road, Burlington, CT**, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65 for far field modeling calculations.

In OET-65, plane wave power densities in the far field of an antenna are calculated by considering antenna gain and reflective waves that would contribute to exposure.

Since the radiation pattern of an antenna has developed in the **far field** region the power gain in specific directions needs to be considered in exposure predictions to yield an Effective Radiated Power (ERP) in each specific direction from the antenna. Also, since the vertical radiation pattern of the antenna is considered, the exposure calculations would most likely be reduced significantly at ground level, resulting in a more realistic estimate of the actual exposure levels. To determine a worst-case scenario at each point along the calculation radials, each point was calculated using the antenna gain value at each angle of incident and compared against the result using an isotropic radiator at the antenna height with the greater of the two used to yield the more pessimistic far field value for each point along the calculation radial.

Additionally, to model a truly "worst case" prediction of exposure levels at or near a surface, such as at ground-level or on a rooftop, reflection off the surface of antenna radiation power can be assumed, resulting in a potential 1.6 times increase in power density in calculating far field power density values.

With these factors considered, the worst case **far field prediction model** utilized in this analysis is determined by the following equation:

Equation 9 per FCC OET65 for Far Field Modeling

$$S = \frac{33.4\ ERP}{R^2}$$

S = Power Density (in μw/cm^2)
ERP = Effective Radiated Power from antenna (watts)
R = Distance from the antenna (meters)

Predicted far field power density values for all carriers identified in this report were calculated 6 feet above the ground level and are displayed as a percentage of the applicable FCC standards. All emissions values for other carriers were calculated using the same Far Field model outlined above, using industry standard radio configurations and frequency band selection based upon available licenses in this geographic area for emissions contribution estimates.

For each Verizon Wireless sector, the following channel counts, frequency bands and power levels were utilized as shown in *Table 1*:

Technology	Frequency Band	Channel Count	Transmit Power per Channel (W)
LTE	700 MHz	4	40
LTE / 5G	850 MHz	4	40
LTE	1900 MHz (PCS)	4	40
LTE	2100 MHz (AWS)	4	40
LTE	3500 MHz (CBRS)	4	25
5G	3700 MHz (C Band)	2	160

Table 1: Channel Data Table

The following **Verizon Wireless** antennas listed in *Table 2 – Antenna Data* were used in the modeling for transmission in the 700 MHz, 850 MHz, 1900 MHz (PCS), 2100 MHz (AWS), 3500 MHz (CBRS) and 3700 MHz (C Band) frequency bands. This is based on feedback from Verizon Wireless regarding anticipated antenna selection. Maximum gain values for all antennas are listed in *Table 3 – Verizon Wireless Inventory and Power Data* below.

Sector	Antenna Number	Antenna Make / Model	Antenna Centerline (ft)
A	1	Commscope NHH-65B-R2B	99
A	2	Commscope NHHSS-65B-R2BT4	99
A	3	Samsung MT6413-77A	99
B	1	Commscope NHH-65B-R2B	99
B	2	Commscope NHHSS-65B-R2BT4	99
B	3	Samsung MT6413-77A	99
C	1	Commscope NHH-65B-R2B	99
C	2	Commscope NHHSS-65B-R2BT4	99
C	3	Samsung MT6413-77A	99

Table 2: Antenna Data

All calculations were done with respect to uncontrolled / general population threshold limits.

RESULTS

Per the calculations completed for the proposed Verizon Wireless configurations *Table 3* shows resulting emissions power levels and percentages of the FCC's allowable general population limit.

Antenna ID	Antenna Make / Model	Frequency Bands	Antenna Gain (dBd)	Channel Count	Total TX Power (W)	ERP (W)	MPE %
Antenna A1	Commscope NHH-65B-R2B	700 MHz / 850 MHz / 1900 MHz (PCS)	12.75 / 12.85 / 15.75	12	480	12,111.28	3.26
Antenna A2	Commscope NHHSS-65B-R2BT4	2100 MHz (AWS) / 3500 MHz (CBRS)	15.85 / 15.88	8	260	10,026.04	1.09
Antenna A3	Samsung MT6413-77A	3700 MHz (C Band)	23.15	2	320	66,092.16	5.29
						Sector A Composite MPE%	**9.64**
Antenna B1	Commscope NHH-65B-R2B	700 MHz / 850 MHz / 1900 MHz (PCS)	12.75 / 12.85 / 15.75	12	480	12,111.28	3.26
Antenna B2	Commscope NHHSS-65B-R2BT4	2100 MHz (AWS) / 3500 MHz (CBRS)	15.85 / 15.88	8	260	10,026.04	1.09
Antenna B3	Samsung MT6413-77A	3700 MHz (C Band)	23.15	2	320	66,092.16	5.29
						Sector B Composite MPE%	**9.64**
Antenna C1	Commscope NHH-65B-R2B	700 MHz / 850 MHz / 1900 MHz (PCS)	12.75 / 12.85 / 15.75	12	480	12,111.28	3.26
Antenna C2	Commscope NHHSS-65B-R2BT4	2100 MHz (AWS) / 3500 MHz (CBRS)	15.85 / 15.88	8	260	10,026.04	1.09
Antenna C3	Samsung MT6413-77A	3700 MHz (C Band)	23.15	2	320	66,092.16	5.29
						Sector C Composite MPE%	**9.64**

Table 3: Verizon Wireless Inventory and Power Data table

Table 4: All Carrier MPE Contributions shows all additional identified carriers on site and their emissions contribution estimates, along with the newly calculated maximum Verizon Wireless far field emissions contributions per this report. FCC OET 65 specifies that for carriers utilizing directional antennas the highest recorded sector value be used for composite site emissions values due to their greatly reduced emissions contributions in the directions of the adjacent sectors. For this site, all three Verizon Wireless sectors have the same configuration yielding the same results for all three sectors. *Table 5* below shows a summary for each Verizon Wireless Sector as well as the composite estimated emissions value for the site.

Site Composite MPE%	
Carrier	**MPE%**
Verizon Wireless – Max Per Sector Value	**9.64 %**
AT&T	7.07 %
Sprint	1.57 %
T-Mobile	7.22 %
Dish Wireless	8.30 %
Site Total MPE %:	**33.80 %**

Table 4: All Carrier MPE Contributions

Verizon Wireless Sector A Total:	9.64 %
Verizon Wireless Sector B Total:	9.64 %
Verizon Wireless Sector C Total:	9.64 %
Site Total:	33.80 %

Table 5: Site MPE Summary

Table 6 below details a breakdown by frequency band and technology for the MPE power values for the maximum calculated Verizon sector(s). For this site, all three Verizon Wireless sectors have the same configuration yielding the same results for all three sectors.

Verizon Wireless _ Frequency Band / Technology Max Power Values (Per Sector)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ($\mu W/cm^2$)	Frequency (MHz)	Allowable MPE ($\mu W/cm^2$)	Calculated % MPE
Verizon Wireless 700 MHz LTE	4	753.46	99	7.06	700 MHz	497	1.42%
Verizon Wireless 850 MHz LTE / 5G	4	771.01	99	6.86	850 MHz	586	1.17%
Verizon Wireless 1900 MHz (PCS) LTE	4	1,503.35	99	6.70	1900 MHz (PCS)	1000	0.67%
Verizon Wireless 2100 MHz (AWS) LTE	4	1,538.37	99	6.70	2100 MHz (AWS)	1000	0.67%
Verizon Wireless 3500 MHz (CBRS) LTE	4	968.14	99	4.20	3500 MHz (CBRS)	1000	0.42%
Verizon Wireless 3700 MHz (C Band) 5G	2	33,046.08	99	52.90	3700 MHz (C Band)	1000	5.29%
						Total:	**9.64 %**

Table 6: Verizon Wireless Maximum Sector MPE Power Values

Summary

All calculations performed for this analysis yielded results that were **within** the allowable limits for general population exposure to RF Emissions.

The anticipated maximum composite contributions from the Verizon Wireless facility as well as the site composite emissions estimates value with regards to compliance with FCC's allowable limits for general population exposure to RF Emissions are shown here:

Verizon Wireless Sector	Power Density Value (%)
Sector A:	9.64 %
Sector B:	9.64 %
Sector C:	9.64 %
Verizon Wireless Maximum Total (per sector):	9.64 %
Site Total:	33.80 %
Site Compliance Status:	**COMPLIANT**

The estimated composite emissions value for this site, assuming all carriers present, is **33.80 %** of the allowable FCC established general population limit sampled at the ground level. This is based upon the far field calculations performed for all carriers identified in this report.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite estimated values calculated were well within the allowable 100% threshold standard per the federal government.

Scott Heffernan
Principal RF Engineer
Fox Hill Telecom, Inc
Worcester, MA 01609
(978)660-3998

verizon

VERIZON SITE NUMBER: 5000382154
VERIZON SITE NAME: BURLINGTON W CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 120'-0"

BUSINESS UNIT #: 845993
SITE ADDRESS: 12 NEPAUG ROAD, BURLINGTON, CT 06013
COUNTY: HARTFORD
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 5G L-SUB6 - CARRIER ADD

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	BURLINGTON-NEPAUG ROAD
SITE ADDRESS:	12 NEPAUG ROAD BURLINGTON, CT 06013
COUNTY:	HARTFORD
MAP/PARCEL #:	5-11-17-A
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.782461° / 41° 46' 56.86" N
LONGITUDE:	-72.989631° / 72° 59' 22.67" W
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	877'
CURRENT ZONING:	R44
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	REGIONAL SCHOOL DISTRICT #10 24 LYON ROAD BURLINGTON, CT 06013
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	NORTHEAST UTILITIES (800) 286-2000
TELCO PROVIDER:	AT&T (800) 321-2000

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 WALTER SMITH WSMITH@BTGRP.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3530 TORINGDON WAY, SUITE 300 CHARLOTTE, NC 28277 ALEXANDER.MABBETT - PROJECT MANAGER ALEXANDER.MABBETT@CROWNCASTLE.COM JASON D'AMICO - CONSTRUCTION MANAGER JASON.DAMICO@CROWNCASTLE.COM
VERIZON CONTACT:	TIMOTHY PARKS TIMOTHY.PARKS@VERIZONWIRELESS.COM

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	EQUIPMENT SCHEDULES
C-4	EQUIPMENT DETAILS
C-5	EQUIPMENT DETAILS
C-6	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR FULL SIZE. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT SMART TOOL VENDOR	https://pmi.vxwsmart.com
PROJECT NUMBER	10214356
VzW LOCATION CODE (PSLC)	468219

*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	Y

VzW APPROVED SMART KIT VENDORS

REFER TO MOUNT MODIFICATION DRAWINGS PAGE FOR VzW SMART KIT APPROVED VENDORS

LOCATION MAP

DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (3140 BERLIN TURNPIKE, NEWINGTON, CT 06111)
HEAD EAST. TURN RIGHT TOWARD DEMING ST. TURN RIGHT ONTO DEMING ST. CONTINUE ONTO RICHARD ST. TURN RIGHT ONTO WILLARD AVE. TURN LEFT ONTO CEDAR ST. TURN RIGHT ONTO FENN RD. TURN LEFT ONTO ELLA GRASSO RD. TURN RIGHT TO MERGE WITH CT-9 N TOWARD I-84. USE THE LEFT LANE TO TAKE EXIT 40A FOR I-84 W TOWARD WATERBURY. MERGE WITH I-84. USE THE RIGHT 2 LANES TO TAKE EXIT 39 TOWARD FARMINGTON/CT-4. CONTINUE ONTO STATE HWY 508. STATE HWY 508 TURNS SLIGHTLY RIGHT AND BECOMES CT-4 W/FARMINGTON AVE. TURN RIGHT ONTO MAIN ST. SLIGHT LEFT ONTO CT-4 W/MAIN ST. TURN LEFT ONTO CT-4. TURN RIGHT ONTO LYON RD. TURN LEFT ONTO NEPAUG RD. DESTINATION WILL BE ON THE RIGHT.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE:	CODE:
BUILDING	2022 CONNECTICUT SBC/2021 IBC
MECHANICAL	2022 CONNECTICUT SBC/2021 IMC
ELECTRICAL	2022 CONNECTICUT SBC/NEC 2020

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	BLACK & VEATCH
DATED:	2/16/24
MOUNT ANALYSIS:	COLLIERS ENGINEERING & DESIGN
DATED:	11/22/23
RFDS REVISION:	-
DATED:	11/21/23
ORDER ID:	662898
REVISION:	0

INSTALLER NOTE:
NO PROPOSED LOADING TO BE ADDED UNTIL MOUNT MODIFICATIONS ARE INSTALLED PER MOUNT ANALYSIS BY COLLIERS ENGINEERING & DESIGN DATED 11/22/23.

CALL CONNECTICUT ONE CALL (800) 922-4455 CBYD.COM CALL 2 WORKING DAYS BEFORE YOU DIG!

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.

TOWER SCOPE OF WORK:
- REMOVE (12) ANTENNAS
- REMOVE (9) RRHs
- REMOVE (1) MOUNT PIPE WITH CROSSOVER HARDWARE
- RELOCATE (2) OVP 6
- INSTALL MOUNT MODIFICATIONS PER MOUNT ANALYSIS BY COLLIERS ENGINEERING & DESIGN DATED 11/22/23
- INSTALL (3) DUAL ANTENNA MOUNTS
- INSTALL (6) ANTENNAS
- INSTALL (3) ANTENNAS WITH INTEGRATED RRH
- INSTALL (9) RRHs
- INSTALL (1) 2 SCH 40 x 4'-0" LONG PIPE W/ CROSSOVER HARDWARE

GROUND SCOPE OF WORK:
- INSTALL (1) RS485-CARD
- INSTALL (6) POWERSHIFT BOOST MODULES
- INSTALL (1) POWERSHIFT CONTROLLER
- INSTALL (6) POWERSHIFT BYPASS MODULES
- INSTALL (1) POWERSHIFT SHELF

NOTE:
PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

B+T GRP
MTS TELECOM, L.L.C.
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
tbeu@btgrp.com

VERIZON SITE NUMBER:
5000382154

BU #: **845993**
BURLINGTON-NEPAUG ROAD

12 NEPAUG ROAD
BURLINGTON, CT 06013

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	ORIG./QA
0	3/22/24	VX	CONSTRUCTION	LR

MTS ENGINEERING P.L.L.C.
BER:2366985
Expires 3/31/24

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER:	REVISION:
T-1	0

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED– NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800–788–7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
2. "LOOK UP" – CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT:
   THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED–STD–10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA–322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH QAS–STD–10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE," CED–STD–10294 "STANDARD FOR INSTALLATION OF MOUNTS AND APPURTENANCES," AND LATEST VERSION OF ANSI/TIA–1019–A–2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
   CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
   CARRIER: VERIZON
   TOWER OWNER: CROWN CASTLE USA INC.
2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CROWN CASTLE.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND CROWN CASTLE PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION AND IS TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA INC.
13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST–IN–PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°f AT TIME OF PLACEMENT.
4. CONCRETE EXPOSED TO FREEZE–THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER–TO–CEMENT RATIO (W/C) OF 0.45.
5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
   #4 BARS AND SMALLER........................40 ksi
   #5 BARS AND LARGER..........................60 ksi
6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
   CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH..........3"
   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 BARS AND LARGER..........2"
   #5 BARS AND SMALLER..........1–1/2"
   CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
   SLAB AND WALLS..........3/4"
   BEAMS AND COLUMNS..........1–1/2"
7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

GREENFIELD GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL–OF–POTENTAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON–ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON–METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON–METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD–WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
   4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
   4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERYIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR–CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
8. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI–CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI–CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP–STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL–CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID–TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID–TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION–TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON–PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER–ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY–COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY–COATED OR NON–CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "VERIZON".
30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE

SYSTEM	CONDUCTOR	COLOR
120/240V, 1Ø	A PHASE	BLACK
	B PHASE	RED
	NEUTRAL	WHITE
	GROUND	GREEN
120/208V, 3Ø	A PHASE	BLACK
	B PHASE	RED
	C PHASE	BLUE
	NEUTRAL	WHITE
	GROUND	GREEN
277/480V, 3Ø	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
	NEUTRAL	GREY
	GROUND	GREEN
DC VOLTAGE	POS (+)	RED**
	NEG (–)	BLACK**

* SEE NEC 210.5(C)(1) AND (2)
** POLARITY MARKED AT TERMINATION

APWA UNIFORM COLOR CODE:

WHITE	PROPOSED EXCAVATION
PINK	TEMPORARY SURVEY MARKINGS
RED	ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES
YELLOW	GAS, OIL, STEAM, PETROLEUM, OR GASEOUS MATERIALS
ORANGE	COMMUNICATION, ALARM OR SIGNAL LINES, CABLES, OR CONDUIT AND TRAFFIC LOOPS
BLUE	POTABLE WATER
PURPLE	RECLAIMED WATER, IRRIGATION, AND SLURRY LINES
GREEN	SEWERS AND DRAIN LINES

ABBREVIATIONS:

ANT	ANTENNA
(E)	EXISTING
FIF	FACILITY INTERFACE FRAME
GEN	GENERATOR
GPS	GLOBAL POSITIONING SYSTEM
GSM	GLOBAL SYSTEM FOR MOBILE
LTE	LONG TERM EVOLUTION
MGB	MASTER GROUND BAR
MW	MICROWAVE
(N)	NEW
NEC	NATIONAL ELECTRIC CODE
(P)	PROPOSED
PP	POWER PLANT
QTY	QUANTITY
RECT	RECTIFIER
RBS	RADIO BASE STATION
RET	REMOTE ELECTRIC TILT
RFDS	RADIO FREQUENCY DATA SHEET
RRH	REMOTE RADIO HEAD
RRU	REMOTE RADIO UNIT
SIAD	SMART INTEGRATED DEVICE
TMA	TOWER MOUNTED AMPLIFIER
TYP	TYPICAL
UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
W.P.	WORK POINT

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

B+T GRP
MTS TELECOM, L.L.C.
1717 S. BOULDER,
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
btwo@btgrp.com

VERIZON SITE NUMBER:
5000382154

BU #: **845993**
BURLINGTON-NEPAUG ROAD

12 NEPAUG ROAD
BURLINGTON, CT 06013

EXISTING 120'-0" MONOPOLE

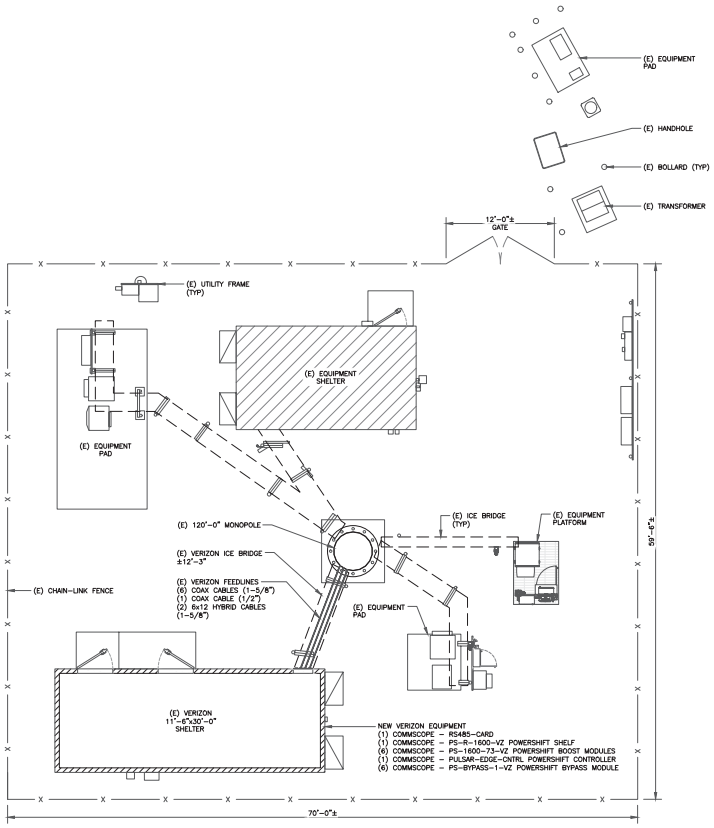
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/22/24	YX	CONSTRUCTION	LR

STATE OF CONNECTICUT PROFESSIONAL ENGINEER No. 23924 LICENSED
3/22/24

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

SHEET NUMBER:	REVISION:
T-2	0



1 SITE PLAN
SCALE: 0 2' 4' 3/16"=1'-0" (FULL SIZE) 3/32"=1'-0" (11x17)

N

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

B+T GRP
MTS TELECOM, L.L.C.
1717 S. BOULDER,
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
tlees@mtgs.com

VERIZON SITE NUMBER:
5000382154

BU #: **845993**
BURLINGTON-NEPAUG ROAD

12 NEPAUG ROAD
BURLINGTON, CT 06013

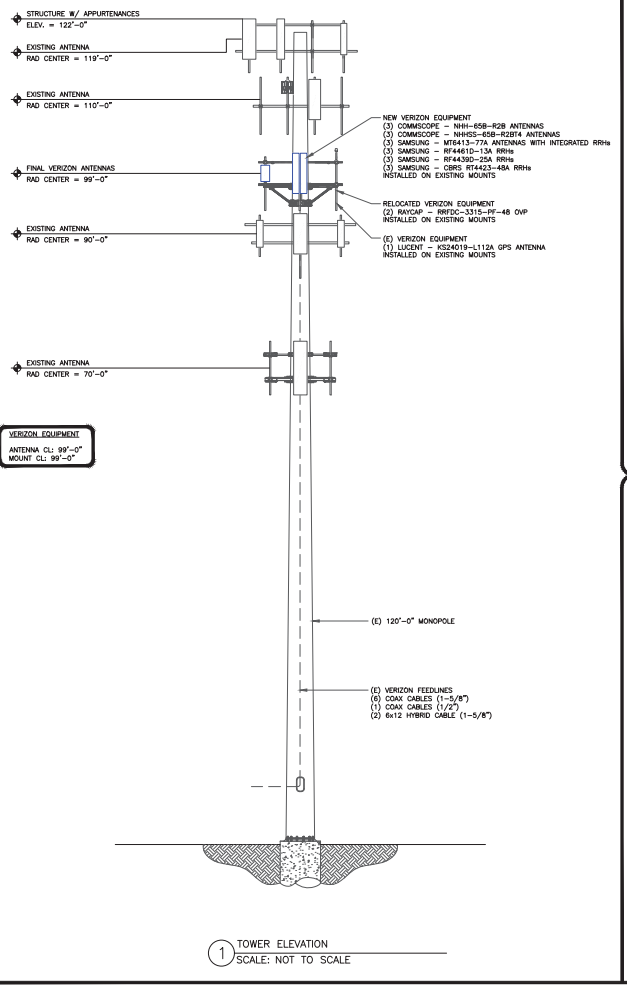
EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV.	DATE	DRWN	DESCRIPTION	CHK./QA
0	3/22/24	VX	CONSTRUCTION	LR

MTS ENGINEERING P.L.L.C.
BER:2369985
Expires 3/31/24

SHEET NUMBER: C-1
REVISION: 0



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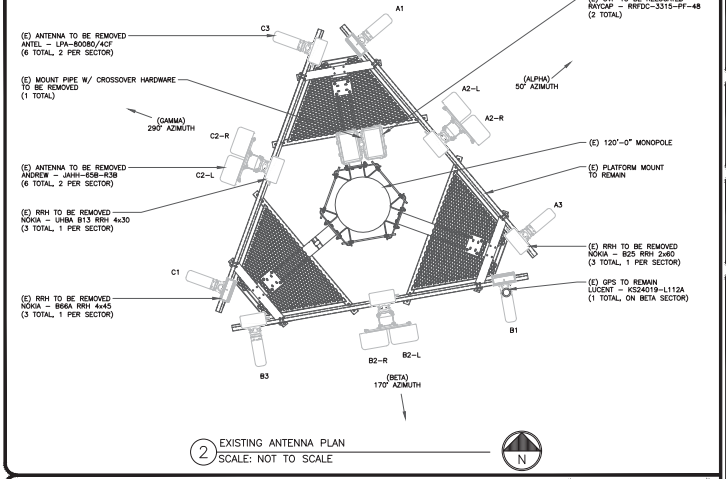

2 EXISTING ANTENNA PLAN
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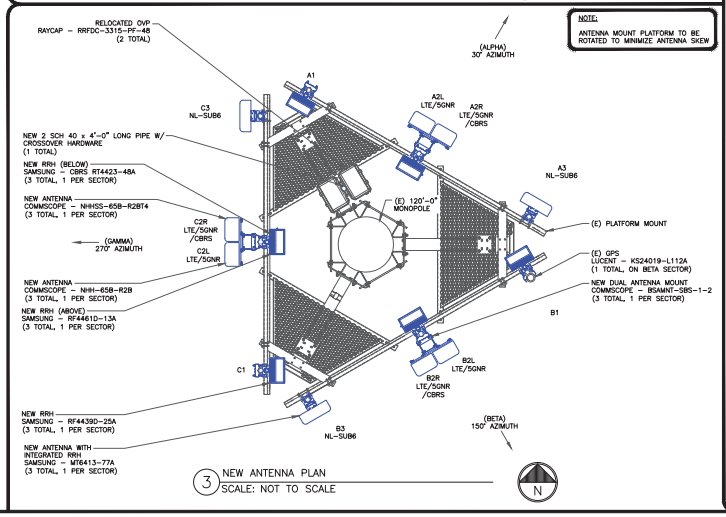


3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

BNT GRP
MTS TELECOM, L.L.C.
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
tlewis@mtsgrp.com

VERIZON SITE NUMBER:
5000382154

BU #: **845993**
BURLINGTON-NEPAUG ROAD

12 NEPAUG ROAD
BURLINGTON, CT 06013

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV.	DATE	DRWN	DESCRIPTION	CHKS./QA
0	3/22/24	VX	CONSTRUCTION	LR

MTS ENGINEERING P.L.L.C.
BER:2366985
Expires 3/31/24

SHEET NUMBER: C-2
REVISION: 0

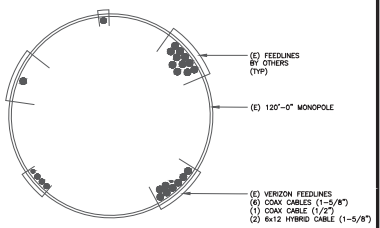
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	–	–	EMPTY MOUNT PIPE	–	–	–	–	RAYCAP	(1) RRFDC-3315-PF-48
A2L	NEW	COMMSCOPE	NHH-65B-R2B	99'-0"	30°	0°	3°/3°/3°/0°	SAMSUNG	(1) RF4461D-13A
A2R	NEW	COMMSCOPE	NHHSS-65B-R2BT4	99'-0"	30°	0°	3°/3°/3°/ 0°/0°/2°	SAMSUNG	(1) RF4439D-25A (1) CBRS RT4423-48A
A3	NEW	SAMSUNG	MT6413-77A	99'-0"	30°	0°	0°	–	INTEGRATED RRH
–	EXISTING	LUCENT	KS24019-L112A	101'-0"	–	–	–	–	–
B1	–	–	EMPTY MOUNT PIPE	–	–	–	–	RAYCAP	(1) RRFDC-3315-PF-48
B2L	NEW	COMMSCOPE	NHH-65B-R2B	99'-0"	150°	0°	3°/3°/3°/0°	SAMSUNG	(1) RF4461D-13A
B2R	NEW	COMMSCOPE	NHHSS-65B-R2BT4	99'-0"	150°	0°	3°/3°/3°/ 0°/0°/2°	SAMSUNG	(1) RF4439D-25A (1) CBRS RT4423-48A
B3	NEW	SAMSUNG	MT6413-77A	99'-0"	150°	0°	0°	–	INTEGRATED RRH
C1	–	–	EMPTY MOUNT PIPE	–	–	–	–	–	–
C2L	NEW	COMMSCOPE	NHH-65B-R2B	99'-0"	270°	0°	2°/2°/2°/0°	SAMSUNG	(1) RF4461D-13A
C2R	NEW	COMMSCOPE	NHHSS-65B-R2BT4	99'-0"	270°	0°	2°/2°/2°/ 0°/0°/2°	SAMSUNG	(1) RF4439D-25A (1) CBRS RT4423-48A
C3	NEW	SAMSUNG	MT6413-77A	99'-0"	270°	0°	0°	–	INTEGRATED RRH

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	149'-0"±	6
EXISTING	COAX	1/2"	151'-0"±	1
EXISTING	HYBRID	1-5/8"	149'-0"±	2
TOTAL CABLE QTY:				9



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

BNT GRP
MTS TELECOM, L.L.C.
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
tlewis@mtsgrp.com

VERIZON SITE NUMBER:
5000382154

BU #: **845993**
BURLINGTON-NEPAUG ROAD

12 NEPAUG ROAD
BURLINGTON, CT 06013

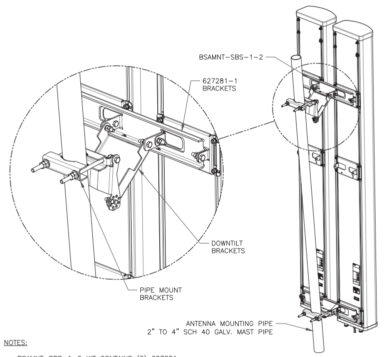
EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV.	DATE	DRWN	DESCRIPTION	DES./QA
0	3/22/24	VX	CONSTRUCTION	LR

MTS ENGINEERING P.L.L.C.
BER:2369985
Expires 3/31/24

SHEET NUMBER: C-3
REVISION: 0

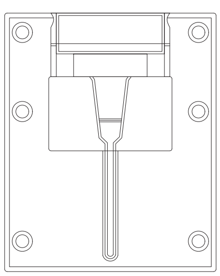


NOTES:

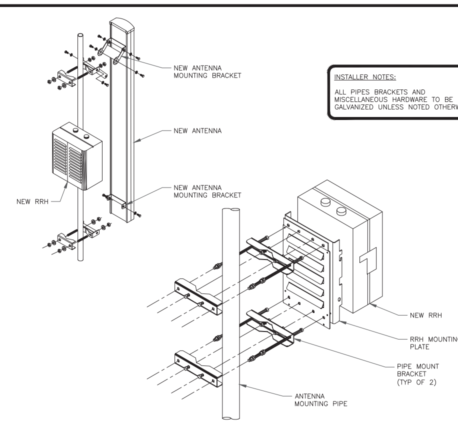
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

1 COMMSCOPE – BSAMNT-SBS-1-2
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE



3 SAMSUNG – EP97-01585A BRACKET DETAIL
SCALE: NOT TO SCALE



INSTALLER NOTES:

ALL PIPES BRACKETS AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
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CLIFTON PARK, NY 12065

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MTS TELECOM, L.L.C.
1717 S. BOULDER,
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
btwo@btgrp.com

VERIZON SITE NUMBER:
5000382154

BU #: **845993**
BURLINGTON-NEPAUG ROAD

12 NEPAUG ROAD
BURLINGTON, CT 06013

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/22/24	YX	CONSTRUCTION	LR

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

SHEET NUMBER: **C-4**
REVISION: **0**

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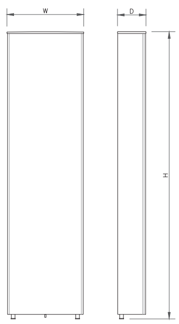
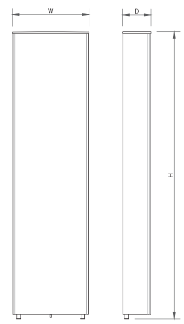


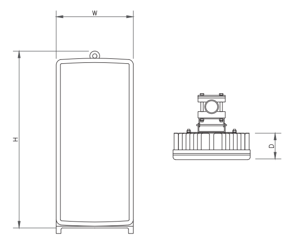
ANTENNA SPECS	
MANUFACTURER	COMMSCOPE
MODEL #	NHH-65B-R2B
WIDTH	11.90"
DEPTH	7.10"
HEIGHT	72.00"
WEIGHT	43.70 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



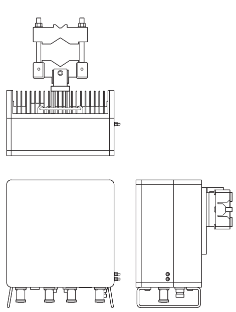
ANTENNA SPECS	
MANUFACTURER	COMMSCOPE
MODEL #	NHHSS-65B-R2BT4
WIDTH	11.85"
DEPTH	7.13"
HEIGHT	71.97"
WEIGHT	64.63 LBS

2 ANTENNA SPECS
SCALE: NOT TO SCALE



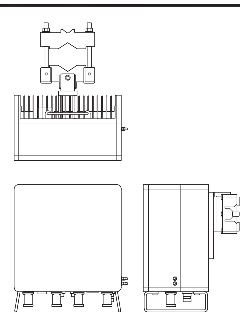
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6413-77A
WIDTH	15.75"
DEPTH	5.51"
HEIGHT	28.90"
WEIGHT	57.30 LBS

3 ANTENNA SPECS
SCALE: NOT TO SCALE



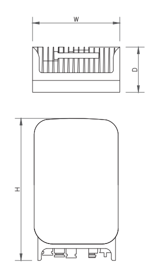
RRU SPECS	
MANUFACTURER	SAMSUNG
MODEL #	RF4461D-13A
WIDTH	14.96"
DEPTH	10.23"
HEIGHT	14.96"
WEIGHT	79.10 LBS

4 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECS	
MANUFACTURER	SAMSUNG
MODEL #	RF4439-25A
WIDTH	14.96"
DEPTH	10.04"
HEIGHT	14.96"
WEIGHT	74.70 LBS

5 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECS	
MANUFACTURER	SAMSUNG
MODEL #	RT4423-48A
WIDTH	8.70"
DEPTH	3.60"
HEIGHT	11.80"
WEIGHT	15.40 LBS

6 RRU SPECS
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
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CLIFTON PARK, NY 12065

B+T GRP
MTS TELECOM, L.L.C.
1717 S. BOULDER,
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
btwo@btgrp.com

VERIZON SITE NUMBER:
5000382154

BU #: **845993**
BURLINGTON-NEPAUG ROAD

12 NEPAUG ROAD
BURLINGTON, CT 06013

EXISTING 120'-0" MONOPOLE

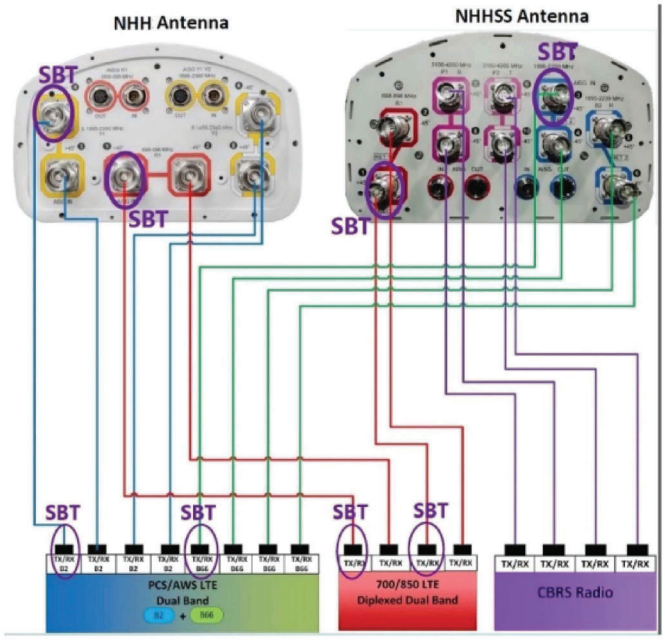
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/22/24	YX	CONSTRUCTION	LR

STATE OF CONNECTICUT
CHAD TUTTLE
No. 23924
LICENSED
PROFESSIONAL ENGINEER
3/22/24

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

SHEET NUMBER: C-5
REVISION: 0



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

BNT GRP
MTS TELECOM, L.L.C.
1717 S. BOULDER,
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630

VERIZON SITE NUMBER:
5000382154

BU #: **845993**
BURLINGTON-NEPAUG ROAD

12 NEPAUG ROAD
BURLINGTON, CT 06013

EXISTING 120'-0" MONOPOLE

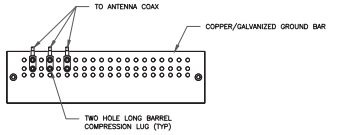
ISSUED FOR:

REV.	DATE	DRWN	DESCRIPTION	CHKD./QA
0	3/22/24	VX	CONSTRUCTION	LR

3/22/24

MTS ENGINEERING P.L.L.C.
BER:2369985
Expires 3/31/24

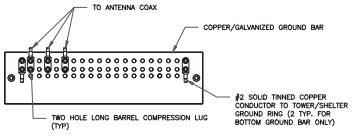
SHEET NUMBER:	REVISION:
C-6	0



NOTES:

1. DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
3. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO ANTENNA MOUNT STEEL.

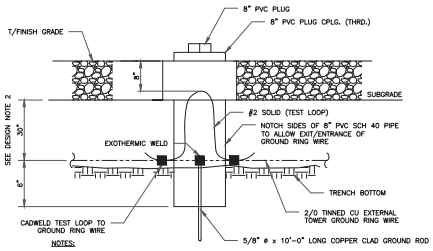
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
2. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
3. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

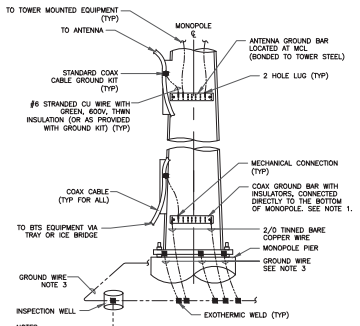
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

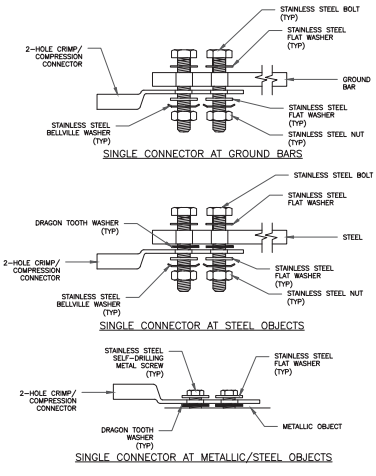
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



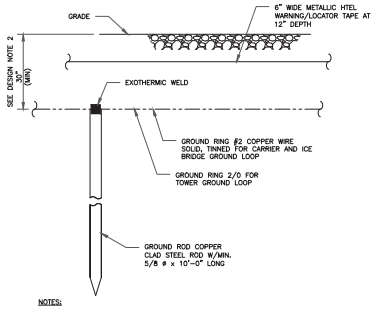
NOTES:

1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. COAXIAL CABLES EXCEEDING 200 FEET ON THE TOWER SHALL HAVE GROUND KITS AT THE MIDPOINT. PROVIDE AS REQUIRED.
2. ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO CROWN CASTLE USA INC. TOWERS. ALL MECHANICAL CONNECTIONS SHALL BE TREATED WITH AN ANTI-OXIDANT COATING.
3. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

BNT GRP
MTS TELECOM, L.L.C.
1717 S. BOULDER,
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
tlewis@mtsgrp.com

VERIZON SITE NUMBER:
5000382154

BU #: **845993**
BURLINGTON-NEPAUG ROAD

12 NEPAUG ROAD
BURLINGTON, CT 06013

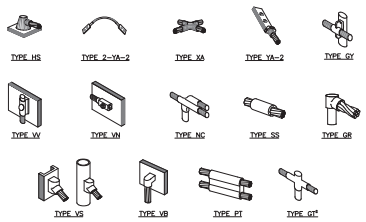
EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV.	DATE	DRWN	DESCRIPTION	DES./QA
0	3/22/24	VX	CONSTRUCTION	LR

MTS ENGINEERING P.L.L.C.
BER:2366985
Expires 3/31/24

SHEET NUMBER: G-1
REVISION: 0

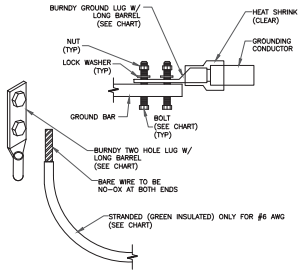


NOTE:

1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

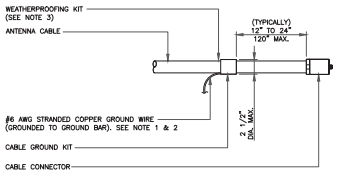
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

1. ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER,GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

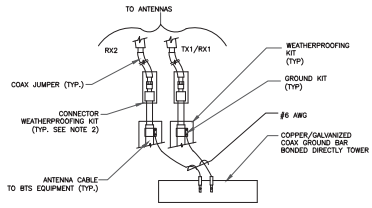
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

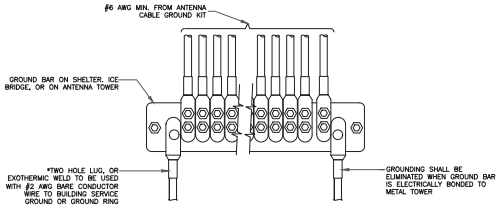
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



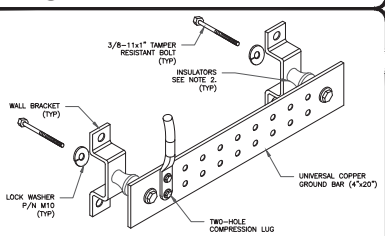
NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



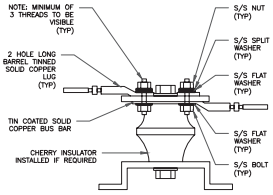
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



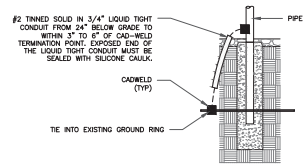
NOTES:

1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAD-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
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MTS TELECOM, L.L.C.
1717 S. BOULDER
SUITE 300
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tlewis@mtsgrp.com

VERIZON SITE NUMBER:
5000382154

BU #: **845993**
BURLINGTON-NEPAUG ROAD

12 NEPAUG ROAD
BURLINGTON, CT 06013

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	3/22/24	VX	CONSTRUCTION	LR

MTS ENGINEERING P.L.L.C.
BER:2366985
Expires 3/31/24

SHEET NUMBER:	REVISION:
G-2	0

THIS CHECK PRINTED ON DOCUCHECK GHOST PAPER AND HAS A GRAPHIC WATERMARK ON REVERSE SIDE

CROWN CASTLE USA INC.
2000 CORPORATE DRIVE
CANONSBURG PA 15317
724-416-2000

JPMorgan Chase Bank, N.A.
DALLAS TX
32-61/1110

2958117

SIX HUNDRED TWENTY FIVE AND 00/100********** DATE 04/26/24 $*******625.00

Pay To The Order Of Connecticut Siting Council
Ten Franklin Square
New Britain CT 06051

2695915

VP and Controller

VOID AFTER 180 DAYS

⑈2958117⑈ ⑆111000614⑆ 1034104531⑈

Check No 2958117
Check Date 04/26/24

Stub 1 of 1

CKRQ 845993 662898 ZN APP	04/25/24	Invoice Summ	625.00		625.00
			625.00		625.00

Burlington