



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

January 27, 2022

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

RE: **Notice of Exempt Modification for Verizon Wireless: 468219**
Crown Site ID#845993
12 Nepaug Road, Burlington, CT 06013
Latitude: 41° 46' 56.86" / Longitude: -72° 59' 22.68"

Dear Ms. Bachman:

Verizon currently maintains twelve (12) antennas at the 99-foot mount level on the existing 130-foot monopole tower, located at 12 Nepaug Road, Burlington, CT. The property is owned by Regional School District #10. The tower is owned by Crown Castle. Verizon now intends to replace twelve (12) antennas and ancillary 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:

Installed New:

- (3) Andrew LNX 6514DS-A1M Antenna
- (3) Samsung MT6407 77A Antenna
- (3) Commscope NHHSS-65B-R2BTO
- (3) Commscope NHH-65B-R2B
- (1) Lucent KS24019 L112A GPS
- (3) Samsung CBRS RRH RT4401-48A
- (3) Samsung B2/B66A RRH-BR049
- (3) Samsung B5/B13 RRH BR04C

Remove:

- (6) Antel LPA 80080/4CF – Antennas
- (6) Andrew JAHH 658 R38- Antennas
- (3) Alcatel Lucent UHIE B66A RRH 4x45
- (3) Alcatel Lucent B13 RRH 4x30
- (3) Nokia AHCA Radio

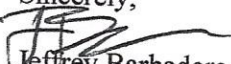
The facility was approved by the Connecticut Siting Council on February 18, 2004 in Docket No 268. The decision limited the height of the structure to 120'. No extension is proposed as part of this exempt modification and therefore this modification complies with the aforementioned approval.

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, Zoning Enforcement Officer, Town of Branford, Reginal School District #10, 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 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
Site Acquisition Specialist
1800 W. Park Drive
Westborough, MA 01581
(781) 970-0053
Jeff.Barbadora@crowncastle.com

Melanie A. Bachman

Page 3

Attachments

cc:

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

Jerry Burns, Zoning Enforcement Officer
Town of Burlington
200 Spielman Highway
Burlington, CT 06013
860-673-6789

Reginal School District #10, Property Owner
24 Lyon Road
Burlington, CT 06013
860-673-2538

Crown Castle, Tower Owner.

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

TOWN OF BURLINGTON CONNECTICUT GIS & Real Property Information 200 Spielman Highway Burlington, CT 06013 ph 860.673.6789

Property Search

Name: ex. Smith [input field]

House No: [input field with 12]

Street: NEPAUG RD [dropdown menu]

Parcel Id: ex. 12-06-16 [input field]



Detailed Parcel Information

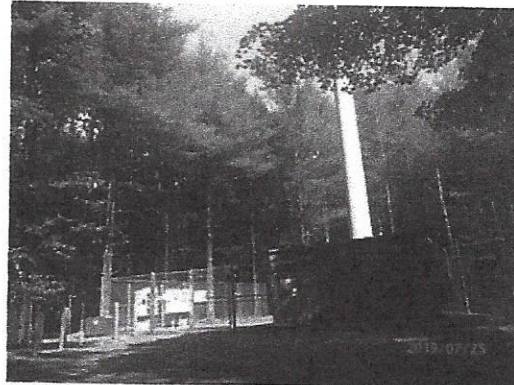
GIS ID 5-11-17-A

Parcel ID 5-11-17-A

Owner REGIONAL SCHOOL DISTRICT #10

Location 12 NEPAUG RD

MAILING ADDRESS 24 LYON ROAD BURLINGTON CT 06013



Quick Links: Quick Map Summary Card Assessor Tax Map FEMA Firm Panel

Information Updates

GIS Parcel Maps Updated October 2020

Property Info Data Updated Nightly

Current Parcel Count 3,997 +/-

Scroll Down For Complete Property Detail

PARCEL VALUATIONS

	Appraised Value	Assessed Value
Buildings	0	0
Land	135500	94850

REPORT AN ISSUE

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12 NEPAUG RD

Location 12 NEPAUG RD

Mblu 5/11 / 17/A /

Acct# 30303110

Owner REGIONAL SCHOOL DISTRICT
#10

PBN

Assessment \$94,850

Appraisal \$135,500

PID 2391

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2018	\$0	\$135,500	\$135,500

Assessment			
Valuation Year	Improvements	Land	Total
2018	\$0	\$94,850	\$94,850

Owner of Record

Owner REGIONAL SCHOOL DISTRICT #10
Co-Owner
Address 24 LYON ROAD
 BURLINGTON, CT 06013

Sale Price \$0
Certificate
Book & Page 0360/0463
Sale Date 09/11/2019

Ownership History

Ownership History				
Owner	Sale Price	Certificate	Book & Page	Sale Date
REGIONAL SCHOOL DISTRICT #10	\$0		0360/0463	09/11/2019
WEAVER AUDREY S TR AND HERBERT F EST OF	\$0		0345/0798	11/10/2016
WEAVER AUDREY S TR AND HERBERT F EST OF	\$0		0345/0797	11/10/2016
WEAVER TRUSTEE AUDREY S OF THE AUDREY S	\$0		0280/0489	08/07/2008
WEAVER AUDREY S AND	\$0		0274/0105	10/22/2007

Building Information

Building 1 : Section 1

Year Built:

Living Area: 0

Replacement Cost: \$0

Building Percent Good:

Replacement Cost

Less Depreciation: \$0

Building Photo



(<http://images.vgsi.com/photos/BurlingtonCTPhotos//00\00\93\56.jpg>)

Building Layout

([ParcelSketch.ashx?pid=2391&bid=2353](#))

Building Attributes	
Field	Description
Style	Vacant Land
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Num Kitchens	
Cndtn	
Usrflid 103	
Usrflid 104	
Usrflid 105	
Usrflid 106	
Usrflid 107	
Num Park	
Fireplaces	

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

Usrflid 108	
Usrflid 101	
Usrflid 102	
Usrflid 100	
Usrflid 300	
Usrflid 301	

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code 9030
 Description Municipal Mdl-00
 Zone R44
 Neighborhood 3000
 Alt Land Appr No
 Category

Land Line Valuation

Size (Acres) 6.94
 Frontage
 Depth
 Assessed Value \$94,850
 Appraised Value \$135,500

Outbuildings

Outbuildings	Legend
No Data for Outbuildings	

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$0	\$135,500	\$135,500
2018	\$0	\$125,600	\$125,600
2017	\$0	\$269,100	\$269,100

Assessment			
Valuation Year	Improvements	Land	Total
2019	\$0	\$94,850	\$94,850
2018	\$0	\$87,920	\$87,920
2017	\$0	\$188,370	\$188,370

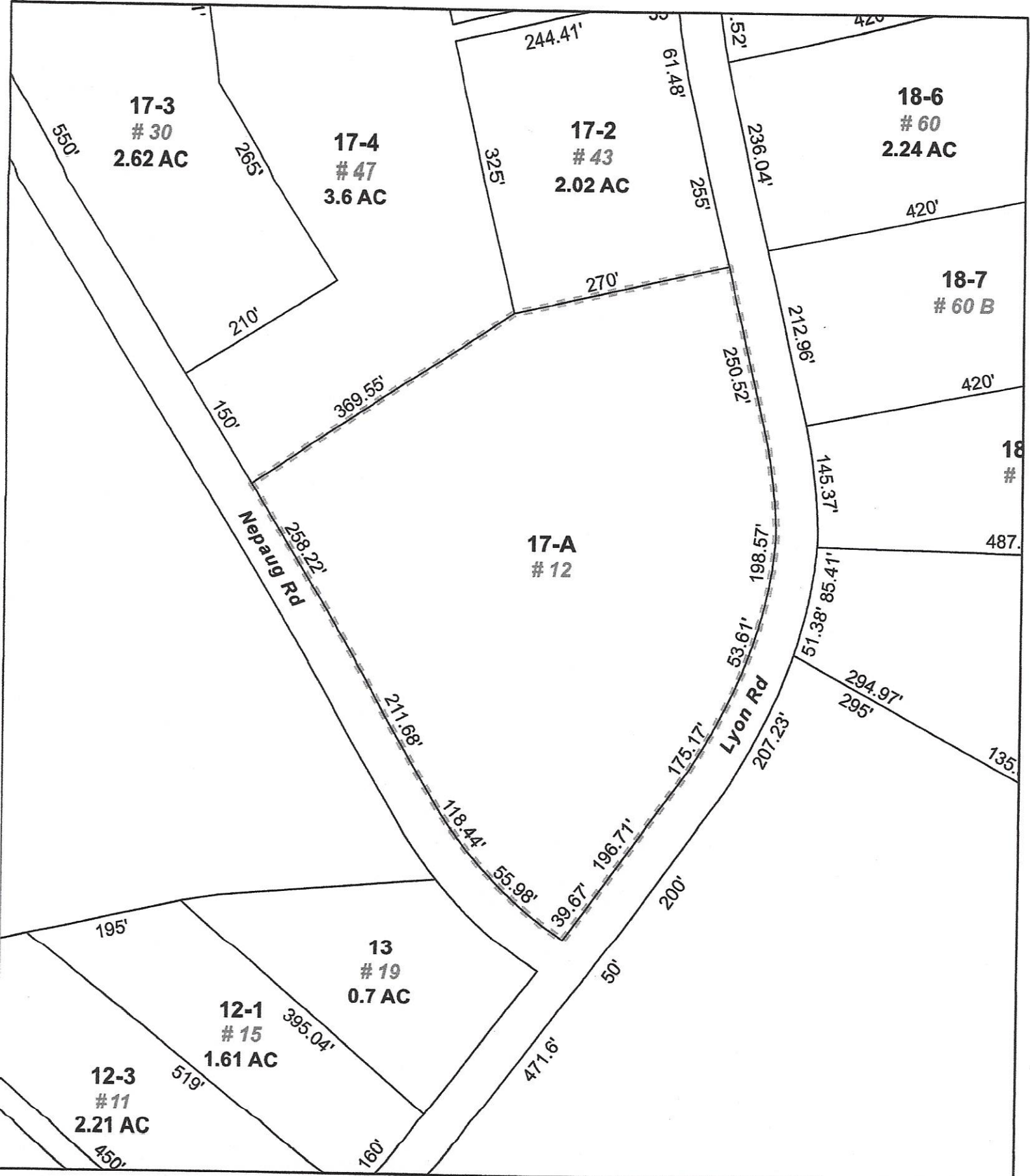


Town of Burlington, Connecticut. Assessment Parcel Map
Map-Block-Lot

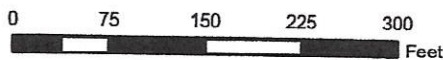
5-11-17-A

Address:

12 NEPAUG RD



1 inch = 150 feet



Disclaimer: This map is for informational purposes only. All information is subject to verification by any user. The Town of Burlington and its mapping contractors assume no legal responsibility for the information contained herein.

Map Produced: October 2020

Date: June 23, 2021



Black & Veatch Corp.
6800 W. 115th St., Suite 2292
Overland Park, KS 66211
(913) 458-6909

Subject: Structural Analysis Report

Carrier Designation: Verizon Wireless Co-Locate
Site Number: 468219
Site Name: BURLINGTON W CT

Crown Castle Designation: BU Number: 845993
Site Name: BURLINGTON-NEPAUG ROAD
JDE Job Number: 673168
Work Order Number: 1982578
Order Number: 574538 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 - 57.8%

This analysis utilizes an ultimate 3-second gust wind speed of 120 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Angkoon Pansit

Respectfully submitted by:

Ping Jiang, P.E.
Professional Engineer

Digitally signed by
Jiang, Ping
DN: CN=Jiang,
Ping, O=Black
Veatch, C=US
Date: 2021.06.24
23:14:48-05'00'



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1) INTRODUCTION

This tower is a 120 ft Monopole tower designed by Engineered Endeavors, Inc.

2) ANALYSIS CRITERIA

TIA-222 Revision: TIA-222-H
 Risk Category: II
 Wind Speed: 120 mph
 Exposure Category: B
 Topographic Factor: 1
 Ice Thickness: 1.5 in
 Wind Speed with Ice: 50 mph
 Service Wind Speed: 60 mph

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	8 1	1-5/8 1/2
	99.0	1	cci tower mounts (v2.1)	Platform Mount [LP 602-1_KCKR]		
		3	commscope	LNx-6514DS-A1M w/ Mount Pipe		
		3	commscope	NHH-65B-R2B		
		3	commscope	NHHSS-65B-R2B		
		3	commscope	BASMNT-SBS-1-2 Bracket		
		2	raycap	RRFDC-3315-PF-48		
		3	samsung telecommunications	CBRS RT4401-48A		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		

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	3	cci antennas	HPA65R-BU6A w/ Mount Pipe	1 2 2 2 12 1	3/8 1/2 3/4 7/8 1-5/8 2
		1	cci tower mounts (v2.1)	Platform Mount [LP 1201-1_HR-1]		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 8843 B2/B66A		
		1	gps	GPS_A		
		3	kathrein	80010965K w/ Mount Pipe		
		3	powerwave technologies	7770.00 w/ Mount Pipe		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		6	powerwave technologies	LGP13519		
		6	powerwave technologies	LGP21401		
		2	raycap	DC6-48-60-18-8F		
109.0	111.0	1	lucent	KS24019-L112A	3 1	1-1/4 7/8
	110.0	3	alcatel lucent	PCS 1900MHz 4x45W-65MHz		
		6	alcatel lucent	RRH2X50-800		
		3	alcatel lucent	TD-RRH8X20-25		
	109.0	3	kmw communications	ETCR-654L12H6 w/ Mount Pipe		
109.0	1	cci tower mounts (v2.1)	Platform Mount [LP 1201-1_KCKR]			
88.0	90.0	3	ericsson	AIR 32 B2A/B66AA w/ Mount Pipe	8	1-5/8
		3	ericsson	ERICSSON AIR 21 B4A B2P w/ Mount Pipe		
		3	ericsson	RADIO 4449 B12/B71		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
	88.0	1	cci tower mounts (v2.1)	Miscellaneous [NA 507-1]		
		1	cci tower mounts (v2.1)	T-Arm Mount [TA 602-3]		
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 8.1.1.0), 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	TP28.93x22.69x0.1875	1	-10.08	1014.80	19.0	Pass
L2	97 - 48	Pole	TP39.7x27.5729x0.25	2	-27.49	1867.11	55.4	Pass
L3	48 - 0	Pole	TP51.04x38.0569x0.3125	3	-40.13	3090.62	57.8	Pass
							Summary	
						Pole (L3)	57.8	Pass
						Rating =	57.8	Pass

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

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	50.3	Pass
	Base Plate		38.9	Pass
1	Base Foundation (Structure)	0	47.4	Pass
	Base Foundation (Soil Interaction)		43.3	Pass

Structure Rating (max from all components) =	57.8%
---	--------------

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.



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

Antenna Mount Analysis Report with Hardware Upgrades

Mount Analysis

SMART Tool Project #: 10058870
Maser Consulting Connecticut Project #: 21777719A

July 2, 2021

Site Information

Site ID: 468219-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 Mount

FUZE ID # 16272335

Analysis Results

Platform Mount: **45.2% Pass***

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

*****Contractor PMI Requirements:**

Included at the end of this MA report

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

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

Report Prepared By: Chuanjiao Hu



Digitally signed by Justin Linette
Date: 2021.07.02 15:48:37-04'00'

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 May 24, 2021
Mount Mapping Report	Structural Components, Site ID: 21777719, dated April 14, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 115 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 : 0.178 S_1 : 0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
96.50	99.00	3	Commscope	LNx-6514DS-A1M	Added
		3	Commscope	NHH-65B-R2B	
		3	Commscope	NHHSS-65B-R2BT0	
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Samsung	CBRS RRH - RT4401-48A	
		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 Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Grating Angle	11.8 %	Pass
Lower Standoff Arm	13.3 %	Pass
Lower Inner Cross Arm	15.9 %	Pass
Lower Outer Cross Arm	15.7 %	Pass
Lower Face Horizontal	12.8 %	Pass
Handrail	26.9 %	Pass
Mount Pipe	31.0 %	Pass
Kicker Angles	11.9 %	Pass
Vertical Pipe	18.6 %	Pass
Handrail Corner Plate	30.5 %	Pass
Equipment Pipe	45.2 %	Pass
Mount Connection	31.9 %	Pass

Structure Rating – (Controlling Utilization of all Components)	45.2%
---	--------------

Recommendation:

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

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

Site Name: **BURLINGTON W CT**
 Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density
	(MHz)		(watts)	(watts)	(feet)	(mW/cm ²)
VZW 700	751	4	689	2756	99	0.0101
VZW CDMA	869	2	402	804	99	0.0030
VZW Cellular	869	4	700	2800	99	0.0103
VZW PCS	1980	4	1496	5984	99	0.0220
VZW AWS	2125	4	1500	6000	99	0.0220
VZW CBAND	3730	4	6531	26124	99	0.0959
VZW CBRS	3625	4	12	48	99	0.0002

Total Percentage of Maximum Permissible Exposure

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI

**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council

MHz = Megahertz

mW/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

Maximum Permissible Exposure*	Fraction of MPE
(mW/cm ²)	(%)
0.5007	2.02%
0.5793	0.51%
0.5793	1.77%
1.0000	2.20%
1.0000	2.20%
1.0000	9.59%
1.0000	0.02%
	18.30%

//IEEE C95.1-1992

il's November 10, 2015 Memorandum for Exempt Modification filings

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TO Town of Burlington
Jerry Burns, Zoning Enf. Officer
200 Spielman Highway
BURLINGTON, CT, US, 06013

REFERENCE 799001.7680

SHIPPER REFERENCE 799001.7680

SHIP DATE Thu 1/27/2022 06:20 PM

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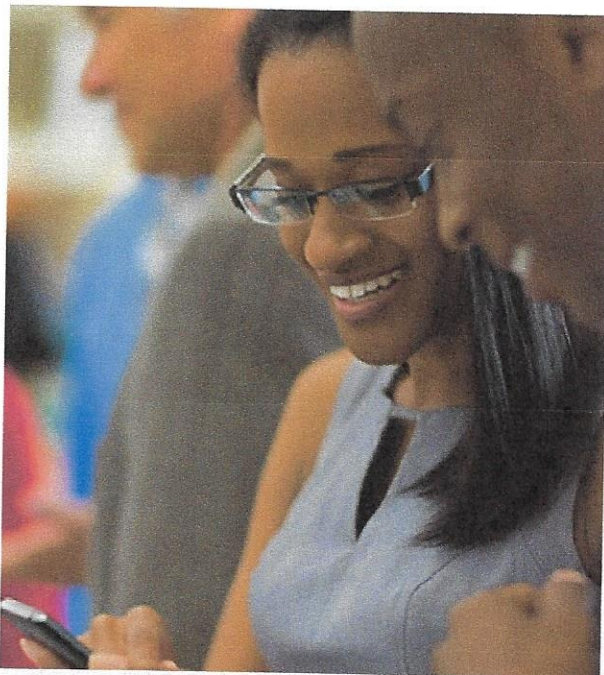
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TO Town of Burlington
Douglas Thompson, First Selectman
200 Spielman Highway
BURLINGTON, CT, US, 06013

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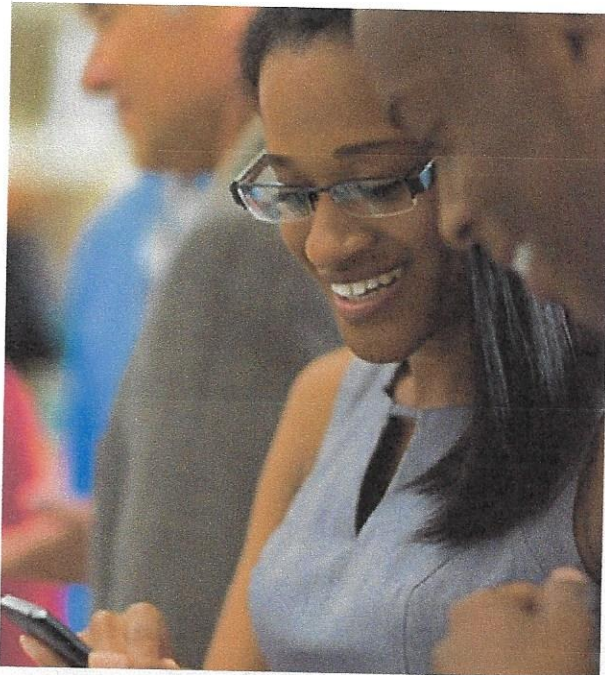
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FROM Jeff Barbadora
1800 W. Park Drive
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TO Reginal School District #10
Property Owner
24 Lyon Road
BURLINGTON, CT, US, 06013

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SHIPPER REFERENCE 799001.7680

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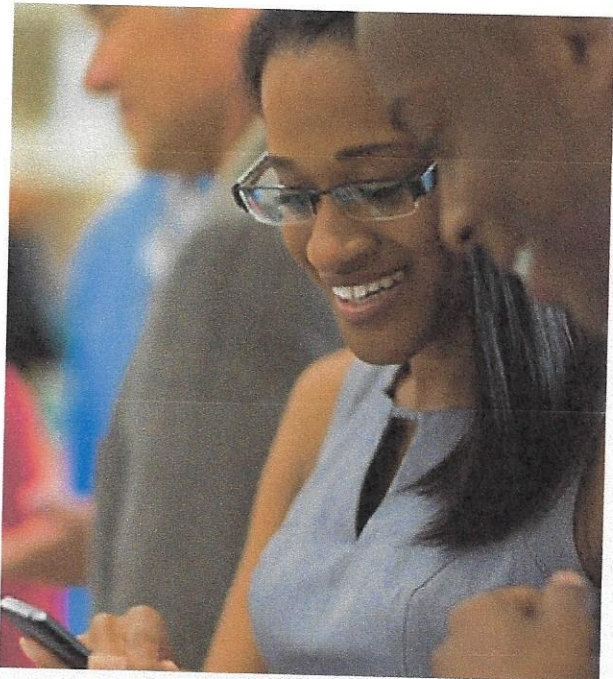
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Date: **June 23, 2021**



Black & Veatch Corp.
6800 W. 115th St., Suite 2292
Overland Park, KS 66211
(913) 458-6909

Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 468219
Site Name: BURLINGTON W CT

Crown Castle Designation: **BU Number:** 845993
Site Name: BURLINGTON-NEPAUG ROAD
JDE Job Number: 673168
Work Order Number: 1982578
Order Number: 574538 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 - 57.8%

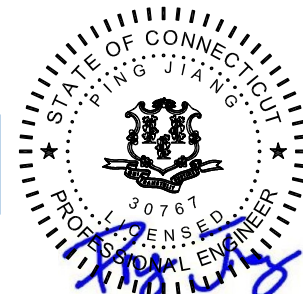
This analysis utilizes an ultimate 3-second gust wind speed of 120 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Angkoon Pansit

Respectfully submitted by:

Ping Jiang, P.E.
Professional Engineer

Digitally signed by
Jiang, Ping
DN: CN="Jiang,
Ping", O=Black
Veatch, C=US
Date: 2021.06.24
23:14:48-05'00'



Jun 24, 2021

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1) INTRODUCTION

This tower is a 120 ft Monopole tower designed by Engineered Endeavors, Inc.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	120 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

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	8 1	1-5/8 1/2
	99.0	1	cci tower mounts (v2.1)	Platform Mount [LP 602-1_KCKR]		
		3	commscope	LNx-6514DS-A1M w/ Mount Pipe		
		3	commscope	NHH-65B-R2B		
		3	commscope	NHHSS-65B-R2B		
		3	commscope	BASMNT-SBS-1-2 Bracket		
		2	raycap	RRFDC-3315-PF-48		
		3	samsung telecommunications	CBRS RT4401-48A		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		

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	3	cci antennas	HPA65R-BU6A w/ Mount Pipe	1 2 2 2 12 1	3/8 1/2 3/4 7/8 1-5/8 2
		1	cci tower mounts (v2.1)	Platform Mount [LP 1201-1_HR-1]		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 8843 B2/B66A		
		1	gps	GPS_A		
		3	kathrein	80010965K w/ Mount Pipe		
		3	powerwave technologies	7770.00 w/ Mount Pipe		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		6	powerwave technologies	LGP13519		
		6	powerwave technologies	LGP21401		
		2	raycap	DC6-48-60-18-8F		
109.0	111.0	1	lucent	KS24019-L112A	3 1	1-1/4 7/8
	110.0	3	alcatel lucent	PCS 1900MHz 4x45W-65MHz		
		6	alcatel lucent	RRH2X50-800		
		3	alcatel lucent	TD-RRH8X20-25		
	109.0	3	kmw communications	ETCR-654L 12H6 w/ Mount Pipe		
109.0	1	cci tower mounts (v2.1)	Platform Mount [LP 1201-1_KCKR]			
88.0	90.0	3	ericsson	AIR 32 B2A/B66AA w/ Mount Pipe	8	1-5/8
		3	ericsson	ERICSSON AIR 21 B4A B2P w/ Mount Pipe		
		3	ericsson	RADIO 4449 B12/B71		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
	88.0	1	cci tower mounts (v2.1)	Miscellaneous [NA 507-1]		
		1	cci tower mounts (v2.1)	T-Arm Mount [TA 602-3]		
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 8.1.1.0), 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	TP28.93x22.69x0.1875	1	-10.08	1014.80	19.0	Pass
L2	97 - 48	Pole	TP39.7x27.5729x0.25	2	-27.49	1867.11	55.4	Pass
L3	48 - 0	Pole	TP51.04x38.0569x0.3125	3	-40.13	3090.62	57.8	Pass
							Summary	
						Pole (L3)	57.8	Pass
						Rating =	57.8	Pass

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

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	50.3	Pass
	Base Plate		38.9	Pass
1	Base Foundation (Structure)	0	47.4	Pass
	Base Foundation (Soil Interaction)		43.3	Pass

Structure Rating (max from all components) =	57.8%
---	--------------

Notes:

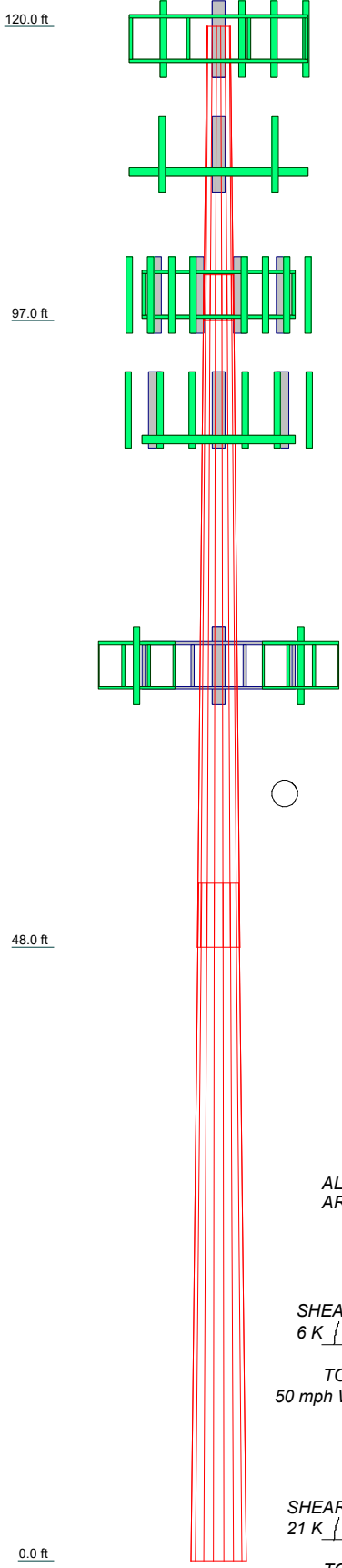
- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity. Rating per TIA-222-H Section 15.5.

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	27.5729	38.0569
Bot Dia (in)	28.9300	39.7000	51.0400
Grade		A572-65	
Weight (K)	1.2	4.7	7.9



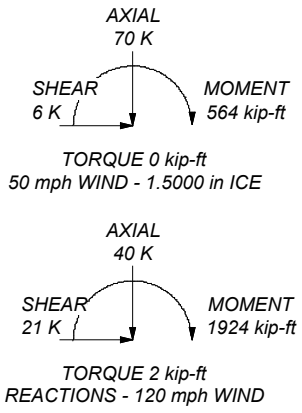
MATERIAL STRENGTH

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 120 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 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: 57.8%

ALL REACTIONS ARE FACTORED



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 6800 W. 115th St., Suite 2292
 Overland Park, KS 66211
 Phone: (913) 458-6909
 FAX:

Job: Burlington - Nepaug Road (BU# 845993)		
Project: 406642 (845993.1982578)		
Client: Crown Castle	Drawn by: pan94203	App'd:
Code: TIA-222-H	Date: 06/23/21	Scale: NTS
Path:		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: 826.00 ft.
- Basic wind speed of 120 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 1.5000 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 Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification ✓ Use Code Stress Ratios ✓ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile Include Bolts In Member Capacity Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric	Distribute Leg Loads As Uniform Assume Legs Pinned ✓ Assume Rigid Index Plate ✓ Use Clear Spans For Wind Area Use Clear Spans For KL/r Retension Guys To Initial Tension ✓ Bypass Mast Stability Checks ✓ Use Azimuth Dish Coefficients ✓ Project Wind Area of Appurt. Autocalc Torque Arm Areas Add IBC .6D+W Combination Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs	Use ASCE 10 X-Brace Ly Rules Calculate Redundant Bracing Forces Ignore Redundant Members in FEA SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation ✓ Consider Feed Line Torque Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption <div style="text-align: center; background-color: #e0e0e0; padding: 2px;">Poles</div> ✓ Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets ✓ Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known
--	---	---

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	120.00-97.00	23.00	3.62	18	22.6900	28.9300	0.1875	0.7500	A572-65 (65 ksi)
L2	97.00-48.00	52.62	4.96	18	27.5729	39.7000	0.2500	1.0000	A572-65 (65 ksi)
L3	48.00-0.00	52.96		18	38.0569	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
	29.3474	17.1054	1785.3331	10.2036	14.6964	121.4807	3573.0155	8.5543	4.7617	25.396
L2	28.8068	21.6807	2044.8606	9.6996	14.0070	145.9882	4092.4119	10.8424	4.4128	17.651
	40.2739	31.3036	6154.9624	14.0048	20.1676	305.1906	12318.0236	15.6548	6.5472	26.189
L3	39.8305	37.4377	6738.3194	13.3993	19.3329	348.5416	13485.5052	18.7224	6.1480	19.674
	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 _r	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontal 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 Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Clear Spacing in	Width or Diameter r in	Perimeter r in	Weight plf

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _A A _A ft ² /ft	Weight plf	

** 119R ** FIBER-GUARD/FLEX 2``(2)	A	No	No	Inside Pole	119.00 - 2.75	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.22 0.22 0.22 0.22
LDF4-50A(1/2)	A	No	No	Inside Pole	119.00 - 2.75	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.15 0.15 0.15 0.15
LDF5-50A(7/8)	A	No	No	Inside Pole	119.00 - 2.75	2	No Ice	0.00	0.33

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _{AA} ft ² /ft	Weight plf
							1/2" Ice	0.00	0.33
							1" Ice	0.00	0.33
							2" Ice	0.00	0.33
LDF7-50A(1-5/8)	A	No	No	Inside Pole	119.00 - 2.75	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
FB-L98B-034-XXX(3/8)	A	No	No	Inside Pole	119.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
							2" Ice	0.00	0.06
WR-VG86ST-BRD(3/4)	A	No	No	Inside Pole	119.00 - 0.00	2	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
							2" Ice	0.00	0.58
** 109E **									
HB114-08U3M12-XXXF(7/8)	C	No	No	Inside Pole	109.00 - 10.50	1	No Ice	0.00	0.68
							1/2" Ice	0.00	0.68
							1" Ice	0.00	0.68
							2" Ice	0.00	0.68
HB114-1-08U4-M5F(1-1/4)	C	No	No	Inside Pole	109.00 - 10.50	3	No Ice	0.00	1.30
							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30
							2" Ice	0.00	1.30
** 99P **									
LDF4-50A(1/2)	C	No	No	Inside Pole	99.00 - 6.50	1	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15
LDF7-50A(1-5/8)	C	No	No	Inside Pole	99.00 - 6.50	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
HB158-1-08U8-S8J18(1-5/8)	C	No	No	Inside Pole	99.00 - 6.50	2	No Ice	0.00	1.30
							1/2" Ice	0.00	1.30
							1" Ice	0.00	1.30
							2" Ice	0.00	1.30
** 88R **									
LDF7-50A(1-5/8)	B	No	No	Inside Pole	88.00 - 10.50	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	B	No	No	Inside Pole	88.00 - 10.50	1	No Ice	0.00	1.07
							1/2" Ice	0.00	1.07
							1" Ice	0.00	1.07
							2" Ice	0.00	1.07
HCS 6X12 4AWG(1-5/8)	B	No	No	Inside Pole	88.00 - 0.00	1	No Ice	0.00	2.40
							1/2" Ice	0.00	2.40
							1" Ice	0.00	2.40
							2" Ice	0.00	2.40
** 70R **									
CU12PSM9P8XXX (1-3/8)	A	No	No	Inside Pole	70.00 - 0.00	1	No Ice	0.00	1.66
							1/2" Ice	0.00	1.66
							1" Ice	0.00	1.66
							2" Ice	0.00	1.66

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
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Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	120.00-97.00	A	0.000	0.000	0.000	0.000	0.27
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.07
L2	97.00-48.00	A	0.000	0.000	0.000	0.000	0.64
		B	0.000	0.000	0.000	0.000	0.34
		C	0.000	0.000	0.000	0.000	0.60
L3	48.00-0.00	A	0.000	0.000	0.000	0.000	0.64
		B	0.000	0.000	0.000	0.000	0.34
		C	0.000	0.000	0.000	0.000	0.49

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	120.00-97.00	A	1.436	0.000	0.000	0.000	0.000	0.27
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.07
L2	97.00-48.00	A	1.378	0.000	0.000	0.000	0.000	0.64
		B		0.000	0.000	0.000	0.000	0.34
		C		0.000	0.000	0.000	0.000	0.60
L3	48.00-0.00	A	1.231	0.000	0.000	0.000	0.000	0.64
		B		0.000	0.000	0.000	0.000	0.34
		C		0.000	0.000	0.000	0.000	0.49

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 Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K	
119P									
7770.00 w/ Mount Pipe	A	From Leg	4.00	0.00	119.00	No Ice	5.75	4.25	0.06
			0.00			1/2" Ice	6.18	5.01	0.10
			0.00			1" Ice	6.61	5.71	0.16
						2" Ice	7.49	7.16	0.29
(2) 7770.00 w/ Mount Pipe	B	From Leg	4.00	0.00	119.00	No Ice	5.75	4.25	0.06
			0.00			1/2" Ice	6.18	5.01	0.10
			0.00			1" Ice	6.61	5.71	0.16
						2" Ice	7.49	7.16	0.29

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight	
			Horz	Lateral						ft
			ft	ft	°	ft	ft ²	ft ²	K	
GPS_A	A	From Leg	4.00	0.00	0.00	119.00	No Ice	0.26	0.26	0.00
			0.00	0.00			1/2"	0.32	0.32	0.00
			0.00	0.00			Ice	0.39	0.39	0.01
							1" Ice	0.56	0.56	0.02
							2" Ice			
80010965K w/ Mount Pipe	A	From Leg	4.00	0.00	0.00	119.00	No Ice	12.26	5.79	0.16
			0.00	0.00			1/2"	13.03	6.47	0.25
			0.00	0.00			Ice	13.80	7.17	0.35
							1" Ice	15.41	8.60	0.59
							2" Ice			
80010965K w/ Mount Pipe	B	From Leg	4.00	0.00	0.00	119.00	No Ice	12.26	5.79	0.16
			0.00	0.00			1/2"	13.03	6.47	0.25
			0.00	0.00			Ice	13.80	7.17	0.35
							1" Ice	15.41	8.60	0.59
							2" Ice			
80010965K w/ Mount Pipe	C	From Leg	4.00	0.00	0.00	119.00	No Ice	12.26	5.79	0.16
			0.00	0.00			1/2"	13.03	6.47	0.25
			0.00	0.00			Ice	13.80	7.17	0.35
							1" Ice	15.41	8.60	0.59
							2" Ice			
HPA65R-BU6A w/ Mount Pipe	A	From Leg	4.00	0.00	0.00	119.00	No Ice	8.09	7.19	0.08
			0.00	0.00			1/2"	8.64	8.36	0.15
			0.00	0.00			Ice	9.16	9.24	0.23
							1" Ice	10.22	11.05	0.41
							2" Ice			
HPA65R-BU6A w/ Mount Pipe	B	From Leg	4.00	0.00	0.00	119.00	No Ice	8.09	7.19	0.08
			0.00	0.00			1/2"	8.64	8.36	0.15
			0.00	0.00			Ice	9.16	9.24	0.23
							1" Ice	10.22	11.05	0.41
							2" Ice			
HPA65R-BU6A w/ Mount Pipe	C	From Leg	4.00	0.00	0.00	119.00	No Ice	8.09	7.19	0.08
			0.00	0.00			1/2"	8.64	8.36	0.15
			0.00	0.00			Ice	9.16	9.24	0.23
							1" Ice	10.22	11.05	0.41
							2" Ice			
DC6-48-60-18-8F	A	From Leg	1.00	0.00	0.00	119.00	No Ice	0.92	0.92	0.02
			0.00	0.00			1/2"	1.46	1.46	0.04
			0.00	0.00			Ice	1.64	1.64	0.06
							1" Ice	2.04	2.04	0.11
							2" Ice			
(2) LGP21401	A	From Leg	4.00	0.00	0.00	119.00	No Ice	1.10	0.35	0.01
			0.00	0.00			1/2"	1.24	0.44	0.02
			0.00	0.00			Ice	1.38	0.54	0.03
							1" Ice	1.69	0.77	0.05
							2" Ice			
(2) LGP21401	B	From Leg	4.00	0.00	0.00	119.00	No Ice	1.10	0.35	0.01
			0.00	0.00			1/2"	1.24	0.44	0.02
			0.00	0.00			Ice	1.38	0.54	0.03
							1" Ice	1.69	0.77	0.05
							2" Ice			
(2) LGP21401	C	From Leg	4.00	0.00	0.00	119.00	No Ice	1.10	0.35	0.01
			0.00	0.00			1/2"	1.24	0.44	0.02
			0.00	0.00			Ice	1.38	0.54	0.03
							1" Ice	1.69	0.77	0.05
							2" Ice			
(2) LGP13519	A	From Leg	4.00	0.00	0.00	119.00	No Ice	0.29	0.18	0.01
			0.00	0.00			1/2"	0.36	0.24	0.01
			0.00	0.00			Ice	0.44	0.31	0.01
							1" Ice	0.62	0.47	0.02
							2" Ice			
(2) LGP13519	B	From Leg	4.00	0.00	0.00	119.00	No Ice	0.29	0.18	0.01
			0.00	0.00			1/2"	0.36	0.24	0.01
			0.00	0.00			Ice	0.44	0.31	0.01
							1" Ice	0.62	0.47	0.02
							2" Ice			

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight	
			Horz	Lateral						Vert
			ft	ft	°	ft	ft ²	ft ²	K	
(2) LGP13519	C	From Leg	4.00	0.00	0.00	119.00	No Ice	0.29	0.18	0.01
			0.00	0.00			1/2"	0.36	0.24	0.01
			0.00	0.00			Ice	0.44	0.31	0.01
							1" Ice	0.62	0.47	0.02
							2" Ice			
DC6-48-60-18-8F	A	From Leg	1.00	0.00	0.00	119.00	No Ice	0.92	0.92	0.02
			0.00	0.00			1/2"	1.46	1.46	0.04
			0.00	0.00			Ice	1.64	1.64	0.06
							1" Ice	2.04	2.04	0.11
							2" Ice			
RRUS 8843 B2/B66A	A	From Leg	4.00	0.00	0.00	119.00	No Ice	1.64	1.35	0.07
			0.00	0.00			1/2"	1.80	1.50	0.09
			0.00	0.00			Ice	1.97	1.65	0.11
							1" Ice	2.32	1.99	0.16
							2" Ice			
RRUS 8843 B2/B66A	B	From Leg	4.00	0.00	0.00	119.00	No Ice	1.64	1.35	0.07
			0.00	0.00			1/2"	1.80	1.50	0.09
			0.00	0.00			Ice	1.97	1.65	0.11
							1" Ice	2.32	1.99	0.16
							2" Ice			
RRUS 8843 B2/B66A	C	From Leg	4.00	0.00	0.00	119.00	No Ice	1.64	1.35	0.07
			0.00	0.00			1/2"	1.80	1.50	0.09
			0.00	0.00			Ice	1.97	1.65	0.11
							1" Ice	2.32	1.99	0.16
							2" Ice			
RRUS 4449 B5/B12	B	From Leg	4.00	0.00	0.00	119.00	No Ice	1.97	1.41	0.07
			0.00	0.00			1/2"	2.14	1.56	0.09
			0.00	0.00			Ice	2.33	1.73	0.11
							1" Ice	2.72	2.07	0.16
							2" Ice			
(2) RRUS 4449 B5/B12	C	From Leg	4.00	0.00	0.00	119.00	No Ice	1.97	1.41	0.07
			0.00	0.00			1/2"	2.14	1.56	0.09
			0.00	0.00			Ice	2.33	1.73	0.11
							1" Ice	2.72	2.07	0.16
							2" Ice			
4' x 3" Pipe Mount	A	From Leg	0.50	0.00	0.00	119.00	No Ice	1.00	1.00	0.03
			0.00	0.00			1/2"	1.25	1.25	0.04
			0.00	0.00			Ice	1.50	1.50	0.05
							1" Ice	2.05	2.05	0.08
							2" Ice			
4' x 3" Pipe Mount	B	From Leg	0.50	0.00	0.00	119.00	No Ice	1.00	1.00	0.03
			0.00	0.00			1/2"	1.25	1.25	0.04
			0.00	0.00			Ice	1.50	1.50	0.05
							1" Ice	2.05	2.05	0.08
							2" Ice			
4' x 3" Pipe Mount	C	From Leg	0.50	0.00	0.00	119.00	No Ice	1.00	1.00	0.03
			0.00	0.00			1/2"	1.25	1.25	0.04
			0.00	0.00			Ice	1.50	1.50	0.05
							1" Ice	2.05	2.05	0.08
							2" Ice			
6' x 2" Mount Pipe	A	From Leg	4.00	0.00	0.00	119.00	No Ice	1.43	1.43	0.02
			0.00	0.00			1/2"	1.92	1.92	0.03
			0.00	0.00			Ice	2.29	2.29	0.05
							1" Ice	3.06	3.06	0.09
							2" Ice			
(2) 6' x 2" Mount Pipe	C	From Leg	4.00	0.00	0.00	119.00	No Ice	1.43	1.43	0.02
			0.00	0.00			1/2"	1.92	1.92	0.03
			0.00	0.00			Ice	2.29	2.29	0.05
							1" Ice	3.06	3.06	0.09
							2" Ice			
Platform Mount [LP 1201-1_HR-1]	B	None			0.00	119.00	No Ice	26.39	26.39	2.36
							1/2"	31.40	31.40	3.06
							Ice	36.20	36.20	3.86
							1" Ice	45.40	45.40	5.76
							2" Ice			

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
*** 109 R ***									
ETCR-654L12H6 w/ Mount Pipe	A	From Leg	4.00	0.00	109.00	No Ice	10.90	4.61	0.10
			0.00			1/2"	11.57	5.18	0.19
			1.00			Ice	12.24	5.77	0.28
						1" Ice	13.64	7.00	0.51
						2" Ice			
ETCR-654L12H6 w/ Mount Pipe	B	From Leg	4.00	0.00	109.00	No Ice	10.90	4.61	0.10
			0.00			1/2"	11.57	5.18	0.19
			1.00			Ice	12.24	5.77	0.28
						1" Ice	13.64	7.00	0.51
						2" Ice			
ETCR-654L12H6 w/ Mount Pipe	C	From Leg	4.00	0.00	109.00	No Ice	10.90	4.61	0.10
			0.00			1/2"	11.57	5.18	0.19
			1.00			Ice	12.24	5.77	0.28
						1" Ice	13.64	7.00	0.51
						2" Ice			
KS24019-L112A	B	From Leg	4.00	0.00	109.00	No Ice	0.14	0.14	0.01
			0.00			1/2"	0.20	0.20	0.01
			2.00			Ice	0.26	0.26	0.01
						1" Ice	0.41	0.41	0.02
						2" Ice			
TD-RRH8X20-25	A	From Leg	4.00	0.00	109.00	No Ice	4.05	1.53	0.07
			0.00			1/2"	4.30	1.71	0.10
			1.00			Ice	4.56	1.90	0.13
						1" Ice	5.10	2.30	0.20
						2" Ice			
TD-RRH8X20-25	B	From Leg	4.00	0.00	109.00	No Ice	4.05	1.53	0.07
			0.00			1/2"	4.30	1.71	0.10
			1.00			Ice	4.56	1.90	0.13
						1" Ice	5.10	2.30	0.20
						2" Ice			
TD-RRH8X20-25	C	From Leg	4.00	0.00	109.00	No Ice	4.05	1.53	0.07
			0.00			1/2"	4.30	1.71	0.10
			1.00			Ice	4.56	1.90	0.13
						1" Ice	5.10	2.30	0.20
						2" Ice			
PCS 1900MHz 4x45W-65MHz	A	From Leg	4.00	0.00	109.00	No Ice	2.32	2.24	0.06
			0.00			1/2"	2.53	2.44	0.08
			1.00			Ice	2.74	2.65	0.11
						1" Ice	3.19	3.09	0.17
						2" Ice			
PCS 1900MHz 4x45W-65MHz	B	From Leg	4.00	0.00	109.00	No Ice	2.32	2.24	0.06
			0.00			1/2"	2.53	2.44	0.08
			1.00			Ice	2.74	2.65	0.11
						1" Ice	3.19	3.09	0.17
						2" Ice			
PCS 1900MHz 4x45W-65MHz	C	From Leg	4.00	0.00	109.00	No Ice	2.32	2.24	0.06
			0.00			1/2"	2.53	2.44	0.08
			1.00			Ice	2.74	2.65	0.11
						1" Ice	3.19	3.09	0.17
						2" Ice			
(2) RRH2X50-800	A	From Leg	4.00	0.00	109.00	No Ice	1.70	1.28	0.05
			0.00			1/2"	1.86	1.43	0.07
			1.00			Ice	2.03	1.58	0.09
						1" Ice	2.40	1.91	0.14
						2" Ice			
(2) RRH2X50-800	B	From Leg	4.00	0.00	109.00	No Ice	1.70	1.28	0.05
			0.00			1/2"	1.86	1.43	0.07
			1.00			Ice	2.03	1.58	0.09
						1" Ice	2.40	1.91	0.14
						2" Ice			
(2) RRH2X50-800	C	From Leg	4.00	0.00	109.00	No Ice	1.70	1.28	0.05
			0.00			1/2"	1.86	1.43	0.07
			1.00			Ice	2.03	1.58	0.09
						1" Ice	2.40	1.91	0.14
						2" Ice			

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C _A A _{Front} ft ²	C _A A _{Side} ft ²	Weight K	
(3) 6' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	109.00	2" Ice			
						No Ice	1.43	1.43	0.02
						1/2"	1.92	1.92	0.03
						Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
(3) 6' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	109.00	2" Ice			
						No Ice	1.43	1.43	0.02
						1/2"	1.92	1.92	0.03
						Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
(3) 6' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	109.00	2" Ice			
						No Ice	1.43	1.43	0.02
						1/2"	1.92	1.92	0.03
						Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
Platform Mount [LP 1201-1_KCKR]	C	None		0.00	109.00	2" Ice			
						No Ice	29.60	29.60	2.38
						1/2"	36.33	36.33	3.07
						Ice	43.26	43.26	3.86
						1" Ice	57.72	57.72	5.75
*** 99 R *** LNX-6514DS-A1M w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	99.00	2" Ice			
						No Ice	4.09	3.30	0.06
						1/2"	4.49	3.68	0.13
						Ice	4.89	4.06	0.20
						1" Ice	5.71	4.87	0.38
LNX-6514DS-A1M w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	99.00	2" Ice			
						No Ice	4.09	3.30	0.06
						1/2"	4.49	3.68	0.13
						Ice	4.89	4.06	0.20
						1" Ice	5.71	4.87	0.38
LNX-6514DS-A1M w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	99.00	2" Ice			
						No Ice	4.09	3.30	0.06
						1/2"	4.49	3.68	0.13
						Ice	4.89	4.06	0.20
						1" Ice	5.71	4.87	0.38
MT6407-77A w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.00	99.00	2" Ice			
						No Ice	4.91	2.68	0.10
						1/2"	5.26	3.14	0.14
						Ice	5.61	3.62	0.18
						1" Ice	6.36	4.63	0.29
MT6407-77A w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.00	99.00	2" Ice			
						No Ice	4.91	2.68	0.10
						1/2"	5.26	3.14	0.14
						Ice	5.61	3.62	0.18
						1" Ice	6.36	4.63	0.29
MT6407-77A w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.00	99.00	2" Ice			
						No Ice	4.91	2.68	0.10
						1/2"	5.26	3.14	0.14
						Ice	5.61	3.62	0.18
						1" Ice	6.36	4.63	0.29
NHHSS-65B-R2B	A	From Leg	4.00 0.00 0.00	0.00	99.00	2" Ice			
						No Ice	3.97	2.38	0.07
						1/2"	4.36	2.75	0.12
						Ice	4.76	3.12	0.17
						1" Ice	5.58	3.90	0.30
NHHSS-65B-R2B	B	From Leg	4.00 0.00 0.00	0.00	99.00	2" Ice			
						No Ice	3.97	2.38	0.07
						1/2"	4.36	2.75	0.12
						Ice	4.76	3.12	0.17
						1" Ice	5.58	3.90	0.30
NHHSS-65B-R2B	C	From Leg	4.00 0.00 0.00	0.00	99.00	2" Ice			
						No Ice	3.97	2.38	0.07
						1/2"	4.36	2.75	0.12
						Ice	4.76	3.12	0.17

Description	Face or Leg	Offset Type	Offsets:			Azimuth Adjustment	Placement	C _A A _{Front}	C _A A _{Side}	Weight
			Horz	Lateral	Vert					
			ft	ft	ft	°	ft	ft ²	ft ²	K
NHH-65B-R2B	A	From Leg	4.00	0.00	99.00	0.00	1" Ice	5.58	3.90	0.30
							2" Ice	4.16	2.49	0.04
							No Ice	4.56	2.88	0.09
							1/2" Ice	4.98	3.27	0.15
							1" Ice	5.84	4.08	0.28
NHH-65B-R2B	B	From Leg	4.00	0.00	99.00	0.00	2" Ice	4.16	2.49	0.04
							No Ice	4.56	2.88	0.09
							1/2" Ice	4.98	3.27	0.15
							1" Ice	5.84	4.08	0.28
							2" Ice	4.16	2.49	0.04
NHH-65B-R2B	C	From Leg	4.00	0.00	99.00	0.00	No Ice	4.16	2.49	0.04
							1/2" Ice	4.56	2.88	0.09
							Ice	4.98	3.27	0.15
							1" Ice	5.84	4.08	0.28
							2" Ice	4.16	2.49	0.04
KS24019-L112A	B	From Leg	4.00	0.00	99.00	0.00	No Ice	0.14	0.14	0.01
							1/2" Ice	0.20	0.20	0.01
							Ice	0.26	0.26	0.01
							1" Ice	0.41	0.41	0.02
							2" Ice	0.14	0.14	0.01
(3) CBRS RT4401-48A	A	From Leg	4.00	0.00	99.00	0.00	No Ice	0.99	0.50	0.02
							1/2" Ice	1.12	0.60	0.03
							Ice	1.26	0.70	0.04
							1" Ice	1.55	0.94	0.06
							2" Ice	0.99	0.50	0.02
RFV01U-D1A	A	From Leg	4.00	0.00	99.00	0.00	No Ice	1.88	1.25	0.08
							1/2" Ice	2.05	1.39	0.10
							Ice	2.22	1.54	0.12
							1" Ice	2.60	1.86	0.18
							2" Ice	1.88	1.25	0.08
(2) RFV01U-D1A	B	From Leg	4.00	0.00	99.00	0.00	No Ice	1.88	1.25	0.08
							1/2" Ice	2.05	1.39	0.10
							Ice	2.22	1.54	0.12
							1" Ice	2.60	1.86	0.18
							2" Ice	1.88	1.25	0.08
(2) RFV01U-D2A	B	From Leg	4.00	0.00	99.00	0.00	No Ice	1.88	1.01	0.07
							1/2" Ice	2.05	1.14	0.09
							Ice	2.22	1.28	0.11
							1" Ice	2.60	1.59	0.15
							2" Ice	1.88	1.01	0.07
RFV01U-D2A	C	From Leg	4.00	0.00	99.00	0.00	No Ice	1.88	1.01	0.07
							1/2" Ice	2.05	1.14	0.09
							Ice	2.22	1.28	0.11
							1" Ice	2.60	1.59	0.15
							2" Ice	1.88	1.01	0.07
(2) RRFDC-3315-PF-48	B	From Leg	4.00	0.00	99.00	0.00	No Ice	3.71	2.19	0.02
							1/2" Ice	3.95	2.39	0.05
							Ice	4.20	2.61	0.09
							1" Ice	4.72	3.05	0.17
							2" Ice	3.71	2.19	0.02
BSAMNT-SBS-2-2 Side By Side Bracket	A	From Leg	4.00	0.00	99.00	0.00	No Ice	0.00	0.00	0.07
							1/2" Ice	0.00	0.00	0.09
							Ice	0.00	0.00	0.11
							1" Ice	0.00	0.00	0.15
							2" Ice	0.00	0.00	0.07
BSAMNT-SBS-2-2 Side By Side Bracket	B	From Leg	4.00	0.00	99.00	0.00	No Ice	0.00	0.00	0.07
							1/2" Ice	0.00	0.00	0.09
							Ice	0.00	0.00	0.11
							1" Ice	0.00	0.00	0.15
							2" Ice	0.00	0.00	0.07
BSAMNT-SBS-2-2 Side By Side Bracket	C	From Leg	4.00	0.00	99.00	0.00	No Ice	0.00	0.00	0.07
							1/2" Ice	0.00	0.00	0.09
							Ice	0.00	0.00	0.11
							1" Ice	0.00	0.00	0.15
							2" Ice	0.00	0.00	0.07

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight	
			Horz	Lateral						ft
						ft	ft ²	ft ²	K	
8' x 2" Mount Pipe	A	From Leg	4.00	0.00	0.00	99.00	1" Ice	0.00	0.00	0.15
							2" Ice			
							No Ice	1.90	1.90	0.03
							1/2" Ice	2.73	2.73	0.04
							Ice	3.40	3.40	0.06
8' x 2" Mount Pipe	B	From Leg	4.00	0.00	0.00	99.00	1" Ice	4.40	4.40	0.12
							2" Ice			
							No Ice	1.90	1.90	0.03
							1/2" Ice	2.73	2.73	0.04
							Ice	3.40	3.40	0.06
8' x 2" Mount Pipe	C	From Leg	4.00	0.00	0.00	99.00	1" Ice	4.40	4.40	0.12
							2" Ice			
							No Ice	1.90	1.90	0.03
							1/2" Ice	2.73	2.73	0.04
							Ice	3.40	3.40	0.06
Platform Mount [LP 602-1_KCKR]	C	None			0.00	99.00	1" Ice	4.40	4.40	0.12
							2" Ice			
							No Ice	42.30	42.30	1.62
							1/2" Ice	49.04	49.04	2.38
							Ice	55.87	55.87	3.27
88 R ERICSSON AIR 21 B4A B2P w/ Mount Pipe	A	From Leg	4.00	0.00	0.00	88.00	1" Ice	69.85	69.85	5.40
							2" Ice			
							No Ice	3.14	2.59	0.11
							1/2" Ice	3.45	2.88	0.16
							Ice	3.77	3.19	0.22
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	B	From Leg	4.00	0.00	0.00	88.00	1" Ice	4.43	3.84	0.37
							2" Ice			
							No Ice	3.14	2.59	0.11
							1/2" Ice	3.45	2.88	0.16
							Ice	3.77	3.19	0.22
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	C	From Face	4.00	0.00	0.00	88.00	1" Ice	4.43	3.84	0.37
							2" Ice			
							No Ice	3.14	2.59	0.11
							1/2" Ice	3.45	2.88	0.16
							Ice	3.77	3.19	0.22
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00	0.00	0.00	88.00	1" Ice	4.43	3.84	0.37
							2" Ice			
							No Ice	14.69	6.87	0.19
							1/2" Ice	15.46	7.55	0.31
							Ice	16.23	8.25	0.46
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00	0.00	0.00	88.00	1" Ice	17.82	9.67	0.79
							2" Ice			
							No Ice	14.69	6.87	0.19
							1/2" Ice	15.46	7.55	0.31
							Ice	16.23	8.25	0.46
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00	0.00	0.00	88.00	1" Ice	17.82	9.67	0.79
							2" Ice			
							No Ice	14.69	6.87	0.19
							1/2" Ice	15.46	7.55	0.31
							Ice	16.23	8.25	0.46
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.00	0.00	0.00	88.00	1" Ice	17.82	9.67	0.79
							2" Ice			
							No Ice	3.76	3.15	0.19
							1/2" Ice	4.12	3.49	0.25
							Ice	4.48	3.84	0.32
AIR 32 B2A/B66AA w/ Mount Pipe	B	From Leg	4.00	0.00	0.00	88.00	1" Ice	5.24	4.58	0.48
							2" Ice			
							No Ice	3.76	3.15	0.19
							1/2" Ice	4.12	3.49	0.25
							Ice	4.48	3.84	0.32
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Leg	4.00	0.00	0.00	88.00	1" Ice	5.24	4.58	0.48
							2" Ice			
							No Ice	3.76	3.15	0.19
							1/2" Ice	4.12	3.49	0.25
							Ice	4.48	3.84	0.32

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
			2.00			Ice 4.48	3.84	0.32
						1" Ice 5.24	4.58	0.48
						2" Ice		
RADIO 4449 B12/B71	A	From Leg	4.00	0.00	88.00	No Ice 1.65	1.30	0.08
			0.00			1/2" 1.81	1.44	0.09
			2.00			Ice 1.98	1.60	0.11
						1" Ice 2.34	1.92	0.16
						2" Ice		
RADIO 4449 B12/B71	B	From Leg	4.00	0.00	88.00	No Ice 1.65	1.30	0.08
			0.00			1/2" 1.81	1.44	0.09
			2.00			Ice 1.98	1.60	0.11
						1" Ice 2.34	1.92	0.16
						2" Ice		
RADIO 4449 B12/B71	C	From Leg	4.00	0.00	88.00	No Ice 1.65	1.30	0.08
			0.00			1/2" 1.81	1.44	0.09
			2.00			Ice 1.98	1.60	0.11
						1" Ice 2.34	1.92	0.16
						2" Ice		
T-Arm Mount [TA 602-3]	B	None		0.00	88.00	No Ice 13.40	13.40	0.77
						1/2" 16.44	16.44	1.00
						Ice 19.70	19.70	1.29
						1" Ice 25.86	25.86	2.05
						2" Ice		
Miscellaneous [NA 507-1]	C	None		0.00	88.00	No Ice 4.56	4.56	0.25
						1/2" 6.39	6.39	0.31
						Ice 8.18	8.18	0.40
						1" Ice 11.66	11.66	0.66
						2" Ice		
**								
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00	0.00	70.00	No Ice 8.01	4.23	0.11
			0.00			1/2" 8.52	4.69	0.19
			0.00			Ice 9.04	5.16	0.29
						1" Ice 10.11	6.12	0.52
						2" Ice		
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.00	0.00	70.00	No Ice 8.01	4.23	0.11
			0.00			1/2" 8.52	4.69	0.19
			0.00			Ice 9.04	5.16	0.29
						1" Ice 10.11	6.12	0.52
						2" Ice		
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" 8.52	4.69	0.19
			0.00			Ice 9.04	5.16	0.29
						1" Ice 10.11	6.12	0.52
						2" Ice		
TA08025-B604	A	From Leg	4.00	0.00	70.00	No Ice 1.96	0.98	0.06
			0.00			1/2" 2.14	1.11	0.08
			0.00			Ice 2.32	1.25	0.10
						1" Ice 2.71	1.55	0.15
						2" Ice		
TA08025-B604	B	From Leg	4.00	0.00	70.00	No Ice 1.96	0.98	0.06
			0.00			1/2" 2.14	1.11	0.08
			0.00			Ice 2.32	1.25	0.10
						1" Ice 2.71	1.55	0.15
						2" Ice		
TA08025-B604	C	From Leg	4.00	0.00	70.00	No Ice 1.96	0.98	0.06
			0.00			1/2" 2.14	1.11	0.08
			0.00			Ice 2.32	1.25	0.10
						1" Ice 2.71	1.55	0.15
						2" Ice		
TA08025-B605	A	From Leg	4.00	0.00	70.00	No Ice 1.96	1.13	0.08
			0.00			1/2" 2.14	1.27	0.09
			0.00			Ice 2.32	1.41	0.11
						1" Ice 2.71	1.72	0.16
						2" Ice		
TA08025-B605	B	From Leg	4.00	0.00	70.00	No Ice 1.96	1.13	0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K	
			0.00			1/2"	2.14	1.27	0.09
			0.00			Ice	2.32	1.41	0.11
						1" Ice	2.71	1.72	0.16
						2" Ice			
TA08025-B605	C	From Leg	4.00	0.00	70.00	No Ice	1.96	1.13	0.08
			0.00			1/2"	2.14	1.27	0.09
			0.00			Ice	2.32	1.41	0.11
						1" Ice	2.71	1.72	0.16
						2" Ice			
RDIDC-9181-PF-48	A	From Leg	4.00	0.00	70.00	No Ice	2.01	1.17	0.02
			0.00			1/2"	2.19	1.31	0.04
			0.00			Ice	2.37	1.46	0.06
						1" Ice	2.76	1.78	0.11
						2" Ice			
(2) 8' x 2" Mount Pipe	A	From Leg	4.00	0.00	70.00	No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
						1" Ice	4.40	4.40	0.12
						2" Ice			
(2) 8' x 2" Mount Pipe	B	From Leg	4.00	0.00	70.00	No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
						1" Ice	4.40	4.40	0.12
						2" Ice			
(2) 8' x 2" Mount Pipe	C	From Leg	4.00	0.00	70.00	No Ice	1.90	1.90	0.03
			0.00			1/2"	2.73	2.73	0.04
			0.00			Ice	3.40	3.40	0.06
						1" Ice	4.40	4.40	0.12
						2" Ice			
Commscope MC-PK8-DSH	C	None		0.00	70.00	No Ice	34.24	34.24	1.75
						1/2"	62.95	62.95	2.10
						Ice	91.66	91.66	2.45
						1" Ice	149.08	149.08	3.15
						2" Ice			

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

Comb. No.	Description
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
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	20	0.00	-0.00	0.00
			Max. Compression	26	-21.35	-0.92	-0.80
			Max. Mx	8	-10.09	-113.78	-1.27
			Max. My	14	-10.09	-0.80	-113.76
			Max. Vy	8	8.27	-113.78	-1.27
			Max. Vx	14	8.24	-0.80	-113.76
L2	97 - 48	Pole	Max. Torque	17			0.97
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.52	-6.18	-2.37
			Max. Mx	8	-27.49	-855.10	-7.08
			Max. My	14	-27.49	-8.11	-851.83
			Max. Vy	8	18.81	-855.10	-7.08
L3	48 - 0	Pole	Max. Vx	14	18.79	-8.11	-851.83
			Max. Torque	5			-1.98
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-69.61	-6.30	-2.42
			Max. Mx	8	-40.13	-1914.77	-12.82
			Max. My	14	-40.13	-13.87	-1910.50
		Max. Vy	8	21.19	-1914.77	-12.82	
		Max. Vx	14	21.17	-13.87	-1910.50	
		Max. Torque	3			-1.94	

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	31	69.61	-5.32	-3.08
	Max. H _x	20	40.15	21.16	0.10
	Max. H _z	2	40.15	0.10	21.14
	Max. M _x	2	1907.94	0.10	21.14
	Max. M _z	8	1914.77	-21.16	-0.10
	Max. Torsion	15	1.93	-0.10	-21.14
	Min. Vert	5	30.11	-10.49	18.25
	Min. H _x	9	30.11	-21.16	-0.10
	Min. H _z	14	40.15	-0.10	-21.14
	Min. M _x	14	-1910.50	-0.10	-21.14
	Min. M _z	20	-1910.08	21.16	0.10
	Min. Torsion	3	-1.93	0.10	21.14

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturing Moment, M _x kip-ft	Overturing Moment, M _z kip-ft	Torque kip-ft
Dead Only	33.46	0.00	0.00	1.02	-1.87	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	40.15	-0.10	-21.14	-1907.94	9.20	1.92
0.9 Dead+1.0 Wind 0 deg - No Ice	30.11	-0.10	-21.14	-1887.03	9.68	1.93
1.2 Dead+1.0 Wind 30 deg - No Ice	40.15	10.49	-18.25	-1646.40	-948.57	1.89
0.9 Dead+1.0 Wind 30 deg - No Ice	30.11	10.49	-18.25	-1628.40	-937.42	1.90
1.2 Dead+1.0 Wind 60 deg - No Ice	40.15	18.27	-10.48	-943.35	-1652.80	1.34
0.9 Dead+1.0 Wind 60 deg - No Ice	30.11	18.27	-10.48	-933.18	-1633.79	1.35
1.2 Dead+1.0 Wind 90 deg - No Ice	40.15	21.16	0.10	12.82	-1914.77	0.44
0.9 Dead+1.0 Wind 90 deg - No Ice	30.11	21.16	0.10	12.34	-1892.84	0.44
1.2 Dead+1.0 Wind 120 deg - No Ice	40.15	18.37	10.66	965.88	-1664.31	-0.58
0.9 Dead+1.0 Wind 120 deg - No Ice	30.11	18.37	10.66	954.79	-1645.17	-0.58
1.2 Dead+1.0 Wind 150 deg - No Ice	40.15	10.67	18.36	1660.47	-968.54	-1.44
0.9 Dead+1.0 Wind 150 deg - No Ice	30.11	10.67	18.36	1641.65	-957.14	-1.45
1.2 Dead+1.0 Wind 180 deg - No Ice	40.15	0.10	21.14	1910.50	-13.87	-1.92
0.9 Dead+1.0 Wind 180 deg - No Ice	30.11	0.10	21.14	1888.90	-13.11	-1.93
1.2 Dead+1.0 Wind 210 deg - No Ice	40.15	-10.49	18.25	1648.95	943.90	-1.88
0.9 Dead+1.0 Wind 210 deg - No Ice	30.11	-10.49	18.25	1630.27	933.99	-1.89
1.2 Dead+1.0 Wind 240 deg - No Ice	40.15	-18.27	10.48	945.90	1648.12	-1.34
0.9 Dead+1.0 Wind 240 deg - No Ice	30.11	-18.27	10.48	935.05	1630.36	-1.35
1.2 Dead+1.0 Wind 270 deg - No Ice	40.15	-21.16	-0.10	-10.26	1910.08	-0.44
0.9 Dead+1.0 Wind 270 deg - No Ice	30.11	-21.16	-0.10	-10.46	1889.40	-0.44
1.2 Dead+1.0 Wind 300 deg - No Ice	40.15	-18.37	-10.66	-963.31	1659.64	0.58
0.9 Dead+1.0 Wind 300 deg - No Ice	30.11	-18.37	-10.66	-952.90	1641.74	0.58
1.2 Dead+1.0 Wind 330 deg - No Ice	40.15	-10.67	-18.36	-1657.91	963.87	1.44

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
0.9 Dead+1.0 Wind 330 deg - No Ice	30.11	-10.67	-18.36	-1639.77	953.71	1.45
1.2 Dead+1.0 Ice+1.0 Temp	69.61	0.00	0.00	2.42	-6.30	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	69.61	-0.01	-6.13	-553.32	-4.75	0.44
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	69.61	3.05	-5.30	-478.04	-283.16	0.41
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	69.61	5.30	-3.05	-274.01	-487.42	0.28
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	69.61	6.13	0.01	4.10	-562.78	0.07
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	69.61	5.32	3.08	281.76	-489.06	-0.16
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	69.61	3.08	5.31	484.59	-286.01	-0.34
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	69.61	0.01	6.13	558.23	-8.04	-0.44
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	69.61	-3.05	5.30	482.94	270.38	-0.41
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	69.61	-5.30	3.05	278.91	474.64	-0.28
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	69.61	-6.13	-0.01	0.81	550.00	-0.07
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	69.61	-5.32	-3.08	-276.86	476.28	0.16
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	69.61	-3.08	-5.31	-479.69	273.23	0.34
Dead+Wind 0 deg - Service	33.46	-0.02	-4.98	-445.71	0.77	0.46
Dead+Wind 30 deg - Service	33.46	2.47	-4.30	-384.51	-223.36	0.44
Dead+Wind 60 deg - Service	33.46	4.30	-2.47	-219.99	-388.15	0.31
Dead+Wind 90 deg - Service	33.46	4.98	0.02	3.75	-449.45	0.10
Dead+Wind 120 deg - Service	33.46	4.33	2.51	226.77	-390.84	-0.14
Dead+Wind 150 deg - Service	33.46	2.51	4.33	389.32	-228.03	-0.35
Dead+Wind 180 deg - Service	33.46	0.02	4.98	447.82	-4.63	-0.46
Dead+Wind 210 deg - Service	33.46	-2.47	4.30	386.62	219.49	-0.44
Dead+Wind 240 deg - Service	33.46	-4.30	2.47	222.11	384.28	-0.31
Dead+Wind 270 deg - Service	33.46	-4.98	-0.02	-1.64	445.59	-0.10
Dead+Wind 300 deg - Service	33.46	-4.33	-2.51	-224.66	386.98	0.14
Dead+Wind 330 deg - Service	33.46	-2.51	-4.33	-387.21	224.16	0.35

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-33.46	0.00	0.00	33.46	0.00	0.000%
2	-0.10	-40.15	-21.14	0.10	40.15	21.14	0.000%
3	-0.10	-30.11	-21.14	0.10	30.11	21.14	0.000%
4	10.49	-40.15	-18.25	-10.49	40.15	18.25	0.000%
5	10.49	-30.11	-18.25	-10.49	30.11	18.25	0.000%
6	18.27	-40.15	-10.48	-18.27	40.15	10.48	0.000%
7	18.27	-30.11	-10.48	-18.27	30.11	10.48	0.000%
8	21.16	-40.15	0.10	-21.16	40.15	-0.10	0.000%
9	21.16	-30.11	0.10	-21.16	30.11	-0.10	0.000%
10	18.37	-40.15	10.66	-18.37	40.15	-10.66	0.000%
11	18.37	-30.11	10.66	-18.37	30.11	-10.66	0.000%
12	10.67	-40.15	18.36	-10.67	40.15	-18.36	0.000%
13	10.67	-30.11	18.36	-10.67	30.11	-18.36	0.000%

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
14	0.10	-40.15	21.14	-0.10	40.15	-21.14	0.000%
15	0.10	-30.11	21.14	-0.10	30.11	-21.14	0.000%
16	-10.49	-40.15	18.25	10.49	40.15	-18.25	0.000%
17	-10.49	-30.11	18.25	10.49	30.11	-18.25	0.000%
18	-18.27	-40.15	10.48	18.27	40.15	-10.48	0.000%
19	-18.27	-30.11	10.48	18.27	30.11	-10.48	0.000%
20	-21.16	-40.15	-0.10	21.16	40.15	0.10	0.000%
21	-21.16	-30.11	-0.10	21.16	30.11	0.10	0.000%
22	-18.37	-40.15	-10.66	18.37	40.15	10.66	0.000%
23	-18.37	-30.11	-10.66	18.37	30.11	10.66	0.000%
24	-10.67	-40.15	-18.36	10.67	40.15	18.36	0.000%
25	-10.67	-30.11	-18.36	10.67	30.11	18.36	0.000%
26	0.00	-69.61	0.00	-0.00	69.61	-0.00	0.000%
27	-0.01	-69.61	-6.13	0.01	69.61	6.13	0.000%
28	3.05	-69.61	-5.30	-3.05	69.61	5.30	0.000%
29	5.30	-69.61	-3.05	-5.30	69.61	3.05	0.000%
30	6.13	-69.61	0.01	-6.13	69.61	-0.01	0.000%
31	5.32	-69.61	3.08	-5.32	69.61	-3.08	0.000%
32	3.08	-69.61	5.31	-3.08	69.61	-5.31	0.000%
33	0.01	-69.61	6.13	-0.01	69.61	-6.13	0.000%
34	-3.05	-69.61	5.30	3.05	69.61	-5.30	0.000%
35	-5.30	-69.61	3.05	5.30	69.61	-3.05	0.000%
36	-6.13	-69.61	-0.01	6.13	69.61	0.01	0.000%
37	-5.32	-69.61	-3.08	5.32	69.61	3.08	0.000%
38	-3.08	-69.61	-5.31	3.08	69.61	5.31	0.000%
39	-0.02	-33.46	-4.98	0.02	33.46	4.98	0.000%
40	2.47	-33.46	-4.30	-2.47	33.46	4.30	0.000%
41	4.30	-33.46	-2.47	-4.30	33.46	2.47	0.000%
42	4.98	-33.46	0.02	-4.98	33.46	-0.02	0.000%
43	4.33	-33.46	2.51	-4.33	33.46	-2.51	0.000%
44	2.51	-33.46	4.33	-2.51	33.46	-4.33	0.000%
45	0.02	-33.46	4.98	-0.02	33.46	-4.98	0.000%
46	-2.47	-33.46	4.30	2.47	33.46	-4.30	0.000%
47	-4.30	-33.46	2.47	4.30	33.46	-2.47	0.000%
48	-4.98	-33.46	-0.02	4.98	33.46	0.02	0.000%
49	-4.33	-33.46	-2.51	4.33	33.46	2.51	0.000%
50	-2.51	-33.46	-4.33	2.51	33.46	4.33	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	5	0.00000001	0.00013506
3	Yes	5	0.00000001	0.00006849
4	Yes	5	0.00000001	0.00098543
5	Yes	5	0.00000001	0.00048029
6	Yes	5	0.00000001	0.00085453
7	Yes	5	0.00000001	0.00041236
8	Yes	5	0.00000001	0.00005538
9	Yes	4	0.00000001	0.00065650
10	Yes	5	0.00000001	0.00092447
11	Yes	5	0.00000001	0.00044483
12	Yes	6	0.00000001	0.00005511
13	Yes	5	0.00000001	0.00048561
14	Yes	5	0.00000001	0.00016379
15	Yes	5	0.00000001	0.00008256
16	Yes	5	0.00000001	0.00083443
17	Yes	5	0.00000001	0.00040279
18	Yes	5	0.00000001	0.00095951
19	Yes	5	0.00000001	0.00046719
20	Yes	4	0.00000001	0.00053050
21	Yes	4	0.00000001	0.00032592
22	Yes	5	0.00000001	0.00094854
23	Yes	5	0.00000001	0.00046049

24	Yes	5	0.00000001	0.00087654
25	Yes	5	0.00000001	0.00042324
26	Yes	4	0.00000001	0.00006768
27	Yes	5	0.00000001	0.00031659
28	Yes	5	0.00000001	0.00042147
29	Yes	5	0.00000001	0.00040951
30	Yes	5	0.00000001	0.00032378
31	Yes	5	0.00000001	0.00042524
32	Yes	5	0.00000001	0.00043351
33	Yes	5	0.00000001	0.00032323
34	Yes	5	0.00000001	0.00039566
35	Yes	5	0.00000001	0.00040558
36	Yes	5	0.00000001	0.00030874
37	Yes	5	0.00000001	0.00039717
38	Yes	5	0.00000001	0.00039131
39	Yes	4	0.00000001	0.00014938
40	Yes	4	0.00000001	0.00033112
41	Yes	4	0.00000001	0.00021635
42	Yes	4	0.00000001	0.00005524
43	Yes	4	0.00000001	0.00024530
44	Yes	4	0.00000001	0.00032357
45	Yes	4	0.00000001	0.00015744
46	Yes	4	0.00000001	0.00021490
47	Yes	4	0.00000001	0.00029937
48	Yes	4	0.00000001	0.00004941
49	Yes	4	0.00000001	0.00026539
50	Yes	4	0.00000001	0.00021836

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	120 - 97	12.1188	43	0.84	0.00
L2	100.62 - 48	8.7752	43	0.79	0.00
L3	52.96 - 0	2.4164	43	0.42	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	7770.00 w/ Mount Pipe	43	11.9434	0.84	0.00	51987
109.00	ETCR-654L12H6 w/ Mount Pipe	43	10.1995	0.82	0.00	23630
99.00	LNx-6514DS-A1M w/ Mount Pipe	43	8.5063	0.79	0.00	12734
88.00	ERICSSON AIR 21 B4A B2P w/ Mount Pipe	43	6.7528	0.72	0.00	9269
70.00	MX08FRO665-21 w/ Mount Pipe	43	4.2407	0.58	0.00	6434

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	120 - 97	51.4795	10	3.56	0.02
L2	100.62 - 48	37.3071	10	3.37	0.01
L3	52.96 - 0	10.2910	10	1.81	0.00

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
119.00	7770.00 w/ Mount Pipe	10	50.7362	3.55	0.02	12562
109.00	ETCR-654L12H6 w/ Mount Pipe	10	43.3456	3.47	0.01	5709
99.00	LNx-6514DS-A1M w/ Mount Pipe	10	36.1664	3.34	0.01	3069
88.00	ERICSSON AIR 21 B4A B2P w/ Mount Pipe	10	28.7241	3.07	0.01	2213
70.00	MX08FRO665-21 w/ Mount Pipe	10	18.0501	2.46	0.01	1523

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	120 - 97 (1)	TP28.93x22.69x0.1875	23.00	0.00	0.0	16.520 9	-10.08	966.47	0.010
L2	97 - 48 (2)	TP39.7x27.5729x0.25	52.62	0.00	0.0	30.396 5	-27.49	1778.20	0.015
L3	48 - 0 (3)	TP51.04x38.0569x0.3125	52.96	0.00	0.0	50.315 3	-40.13	2943.45	0.014

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)	TP28.93x22.69x0.1875	114.54	608.22	0.188	0.00	608.22	0.000
L2	97 - 48 (2)	TP39.7x27.5729x0.25	859.90	1521.46	0.565	0.00	1521.46	0.000
L3	48 - 0 (3)	TP51.04x38.0569x0.3125	1924.28	3247.13	0.593	0.00	3247.13	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)	TP28.93x22.69x0.1875	8.30	289.94	0.029	0.23	704.88	0.000
L2	97 - 48 (2)	TP39.7x27.5729x0.25	18.90	533.46	0.035	0.58	1789.61	0.000
L3	48 - 0 (3)	TP51.04x38.0569x0.3125	21.27	883.03	0.024	0.58	3922.84	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	120 - 97 (1)	0.010	0.188	0.000	0.029	0.000	0.200	1.050	4.8.2
L2	97 - 48 (2)	0.015	0.565	0.000	0.035	0.000	0.582	1.050	4.8.2
L3	48 - 0 (3)	0.014	0.593	0.000	0.024	0.000	0.607	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	120 - 97	Pole	TP28.93x22.69x0.1875	1	-10.08	1014.80	19.0	Pass
L2	97 - 48	Pole	TP39.7x27.5729x0.25	2	-27.49	1867.11	55.4	Pass
L3	48 - 0	Pole	TP51.04x38.0569x0.3125	3	-40.13	3090.62	57.8	Pass
Summary								
Pole (L3)							57.8	Pass
RATING =							57.8	Pass

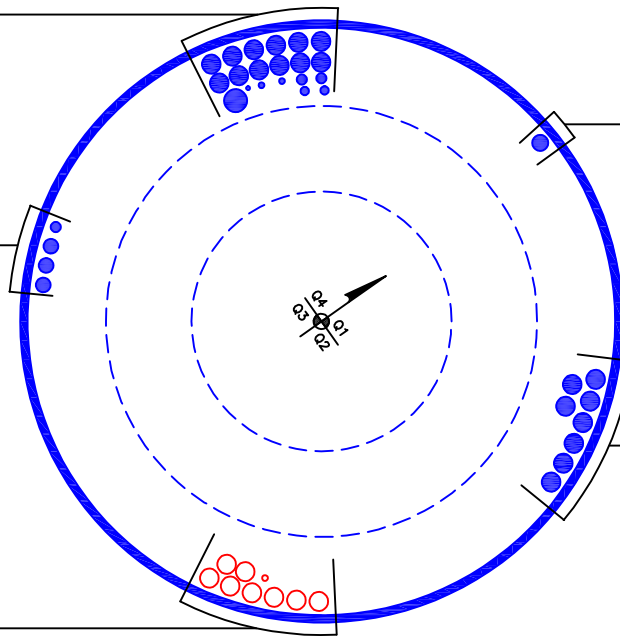
APPENDIX B
BASE LEVEL DRAWING



- (OTHER CONSIDERED EQUIPMENT)
- (1) 3/8" TO 119 FT LEVEL
 - (2) 1/2" TO 119 FT LEVEL
 - (2) 3/4" TO 119 FT LEVEL
 - (2) 7/8" TO 119 FT LEVEL
 - (12) 1-5/8" TO 119 FT LEVEL
 - (1) 2" TO 119 FT LEVEL

- (OTHER CONSIDERED EQUIPMENT)
- (1) 7/8" TO 109 FT LEVEL
 - (3) 1-1/4" TO 109 FT LEVEL

- (PROPOSED EQUIPMENT CONFIGURATION)
- (1) 1/2" TO 99 FT LEVEL
 - (8) 1-5/8" TO 99 FT LEVEL



- (OTHER CONSIDERED EQUIPMENT)
- (1) 1-3/8" TO 70 FT LEVEL

- (OTHER CONSIDERED EQUIPMENT)
- (8) 1-5/8" TO 88 FT LEVEL

APPENDIX C
ADDITIONAL CALCULATIONS

Monopole Base Plate Connection

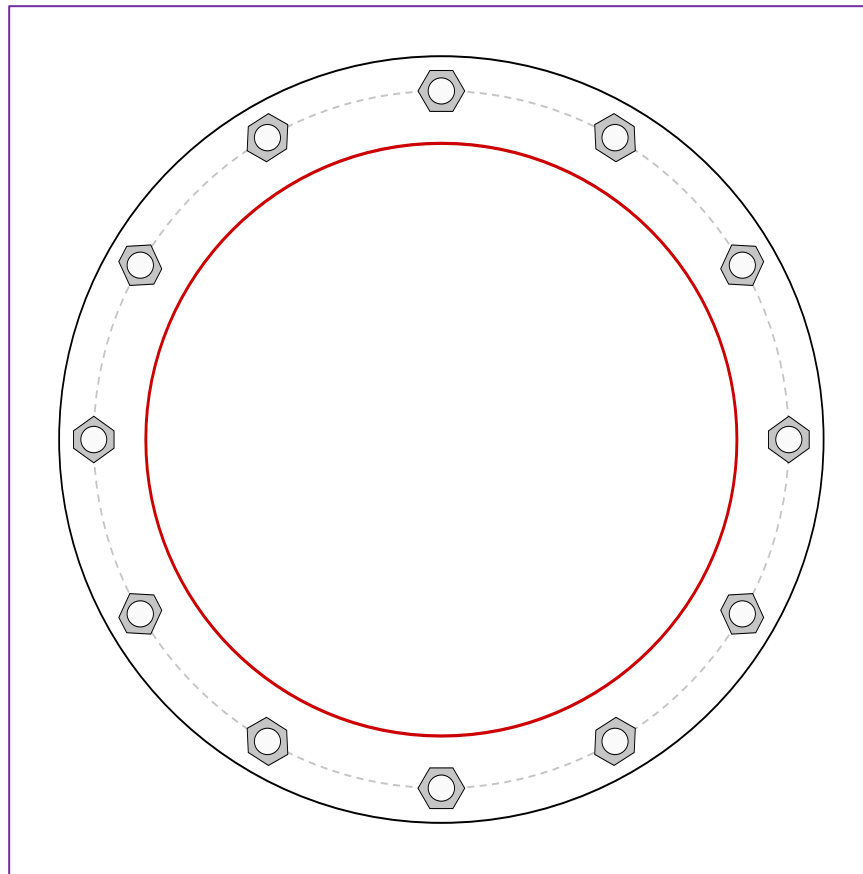


Site Info	
BU #	845993
Site Name	LINGTON - NEPAUG R
Order #	574538 (Rev. 0)

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

Applied Loads	
Moment (kip-ft)	1924.28
Axial Force (kips)	40.13
Shear Force (kips)	21.27

*TIA-222-H Section 15.5 Applied



Connection Properties	Analysis Results
-----------------------	------------------

Anchor Rod Data
(12) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 60" BC
Base Plate Data
66" OD x 2.25" Plate (A572-60; $F_y=60$ ksi, $F_u=75$ ksi)
Stiffener Data
N/A
Pole Data
51.04" x 0.3125" 18-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)

Anchor Rod Summary			<i>(units of kips, kip-in)</i>
$P_{u_c} = 131.56$	$\phi P_{n_c} = 268.39$	Stress Rating	
$V_u = 1.77$	$\phi V_n = 120.77$	50.3%	
$M_u = 4.83$	$\phi M_n = 128.14$	Pass	
Base Plate Summary			
Max Stress (ksi):	22.03	(Flexural)	
Allowable Stress (ksi):	54		
Stress Rating:	38.9%	Pass	

Pier and Pad Foundation



BU #: 845993
 Site Name: BURLINGTON-NEP
 App. Number: 574538 (Rev. 0)

TIA-222 Revision: H
 Tower Type: Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp} :	40.15	kips
Base Shear, V_{u_comp} :	21.24	kips
Moment, M_u :	1924.28	ft-kips
Tower Height, H :	120	ft
BP Dist. Above Fdn, bp_{dist} :	6.25	in

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
<i>Lateral (Sliding) (kips)</i>	156.19	21.24	13.0%	Pass
<i>Bearing Pressure (ksf)</i>	12.00	1.39	11.1%	Pass
<i>Overturning (kip*ft)</i>	4760.35	2060.66	43.3%	Pass
<i>Pier Flexure (Comp.) (kip*ft)</i>	3992.09	1985.88	47.4%	Pass
<i>Pier Compression (kip)</i>	31187.52	65.73	0.2%	Pass
<i>Pad Flexure (kip*ft)</i>	3178.02	692.52	20.8%	Pass
<i>Pad Shear - 1-way (kips)</i>	896.51	107.12	11.4%	Pass
<i>Pad Shear - 2-way (Comp) (ksi)</i>	0.190	0.021	10.4%	Pass
<i>Flexural 2-way (Comp) (kip*ft)</i>	3527.78	1191.53	32.2%	Pass

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} :	3	in

*Rating per TIA-222-H Section 15.5

Structural Rating*:	47.4%
Soil Rating*:	43.3%

Pad Properties		
Depth, D :	5	ft
Pad Width, W_1 :	25	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, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	4	ksi
Dry Concrete Density, δ_c :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	120	pcf
Ultimate Gross Bearing, Q_{ult} :	16.000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	30	degrees
SPT Blow Count, N_{blows} :	27	
Base Friction, μ :	0.45	
Neglected Depth, N :	4.17	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	4	ft

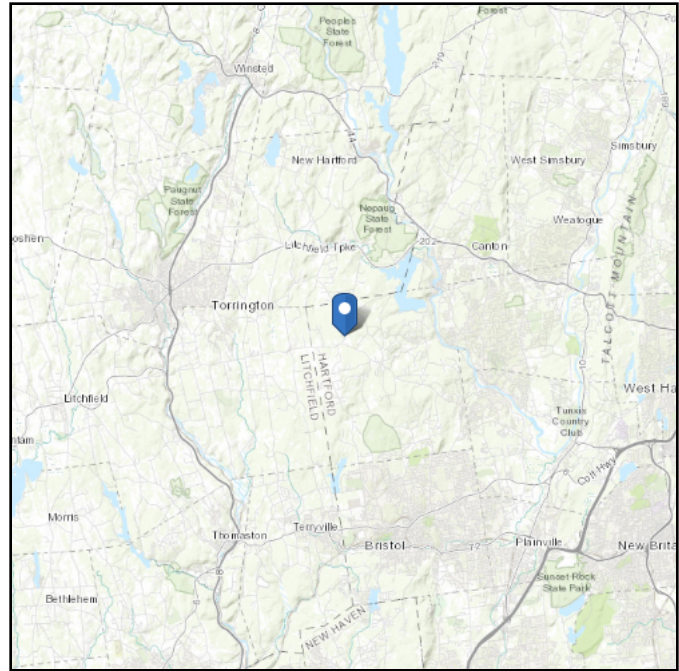
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ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-10
Risk Category: II
Soil Class: D - Stiff Soil

Elevation: 826.42 ft (NAVD 88)
Latitude: 41.782461
Longitude: -72.989633



Wind

Results:

Wind Speed:	118 Vmph 120 mph per jurisdiction requirements
10-year MRI	76 Vmph
25-year MRI	85 Vmph
50-year MRI	90 Vmph
100-year MRI	97 Vmph

Data Source: ASCE/SEI 7-10, Fig. 26.5-1A and Figs. CC-1–CC-4, and Section 26.5.2, incorporating errata of March 12, 2014

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 7-10 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

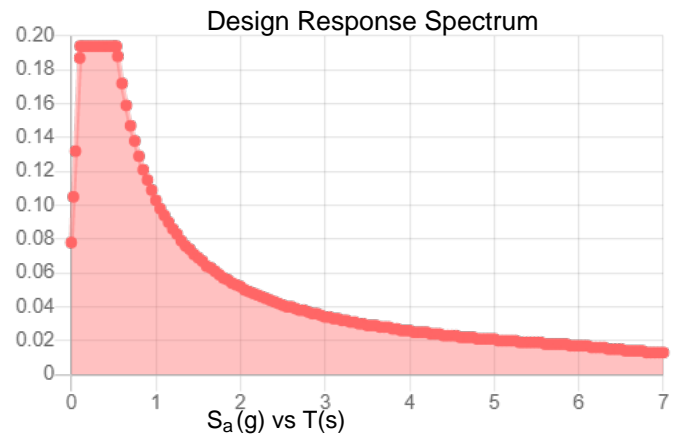
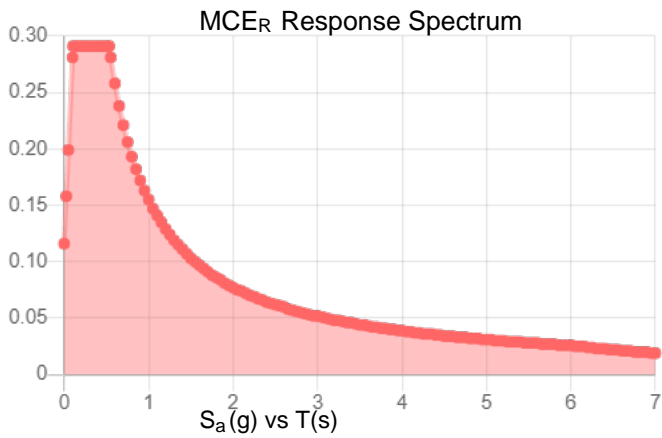
Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class: D - Stiff Soil

Results:

S_s :	0.182	S_{DS} :	0.194
S_1 :	0.064	S_{D1} :	0.103
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.092
S_{MS} :	0.291	PGA_M :	0.147
S_{M1} :	0.155	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Mon Jun 21 2021

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-10, incorporating Supplement 1 and errata of March 31, 2013, and ASCE/SEI 7-10 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-10 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness: 0.75 in.
Concurrent Temperature: 5 F
Gust Speed: 50 mph

Data Source: Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8

Date Accessed: Mon Jun 21 2021

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 50-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.

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

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Maser Consulting Connecticut
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Mt. Laurel, NJ 08054
856.797.0412
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Antenna Mount Analysis Report with Hardware Upgrades

Mount Analysis

SMART Tool Project #: 10058870
Maser Consulting Connecticut Project #: 21777719A

July 2, 2021

Site Information

Site ID: 468219-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 Mount

FUZE ID # 16272335

Analysis Results

Platform Mount: **45.2% Pass***

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

***Contractor PMI Requirements:

Included at the end of this MA report

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

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

Report Prepared By: Chuanjiao Hu



Digitally signed by Justin Linette
Date: 2021.07.02 15:48:37-04'00'

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 May 24, 2021
Mount Mapping Report	Structural Components, Site ID: 21777719, dated April 14, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 115 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 : 0.178 S_1 : 0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
96.50	99.00	3	Commscope	LNX-6514DS-A1M	Added
		3	Commscope	NHH-65B-R2B	
		3	Commscope	NHHSS-65B-R2BT0	
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Samsung	CBRS RRH - RT4401-48A	
		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 Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer’s specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Grating Angle	11.8 %	Pass
Lower Standoff Arm	13.3 %	Pass
Lower Inner Cross Arm	15.9 %	Pass
Lower Outer Cross Arm	15.7 %	Pass
Lower Face Horizontal	12.8 %	Pass
Handrail	26.9 %	Pass
Mount Pipe	31.0 %	Pass
Kicker Angles	11.9 %	Pass
Vertical Pipe	18.6 %	Pass
Handrail Corner Plate	30.5 %	Pass
Equipment Pipe	45.2 %	Pass
Mount Connection	31.9 %	Pass
Structure Rating – (Controlling Utilization of all Components)		45.2%

Recommendation:

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

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

Attachments:

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



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.



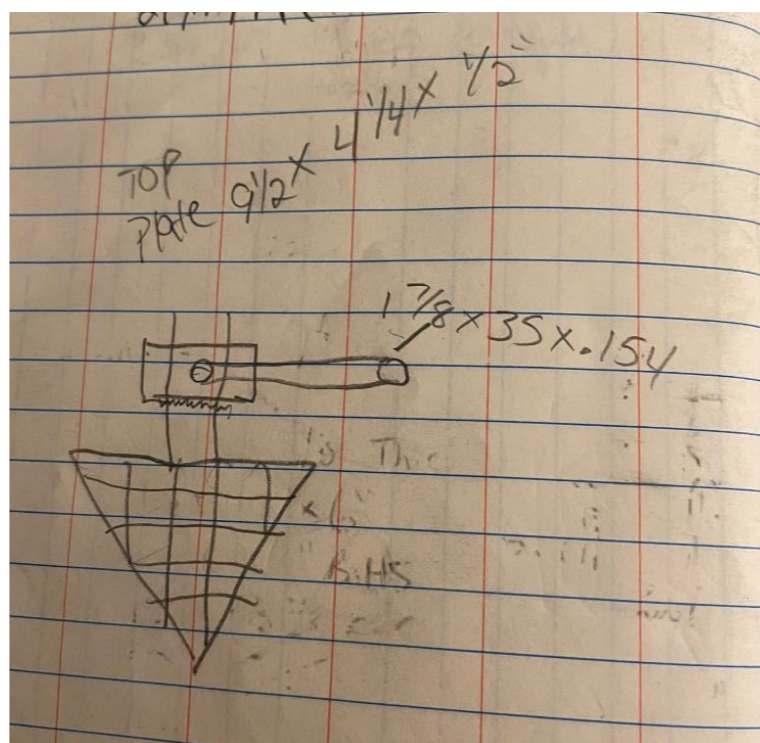
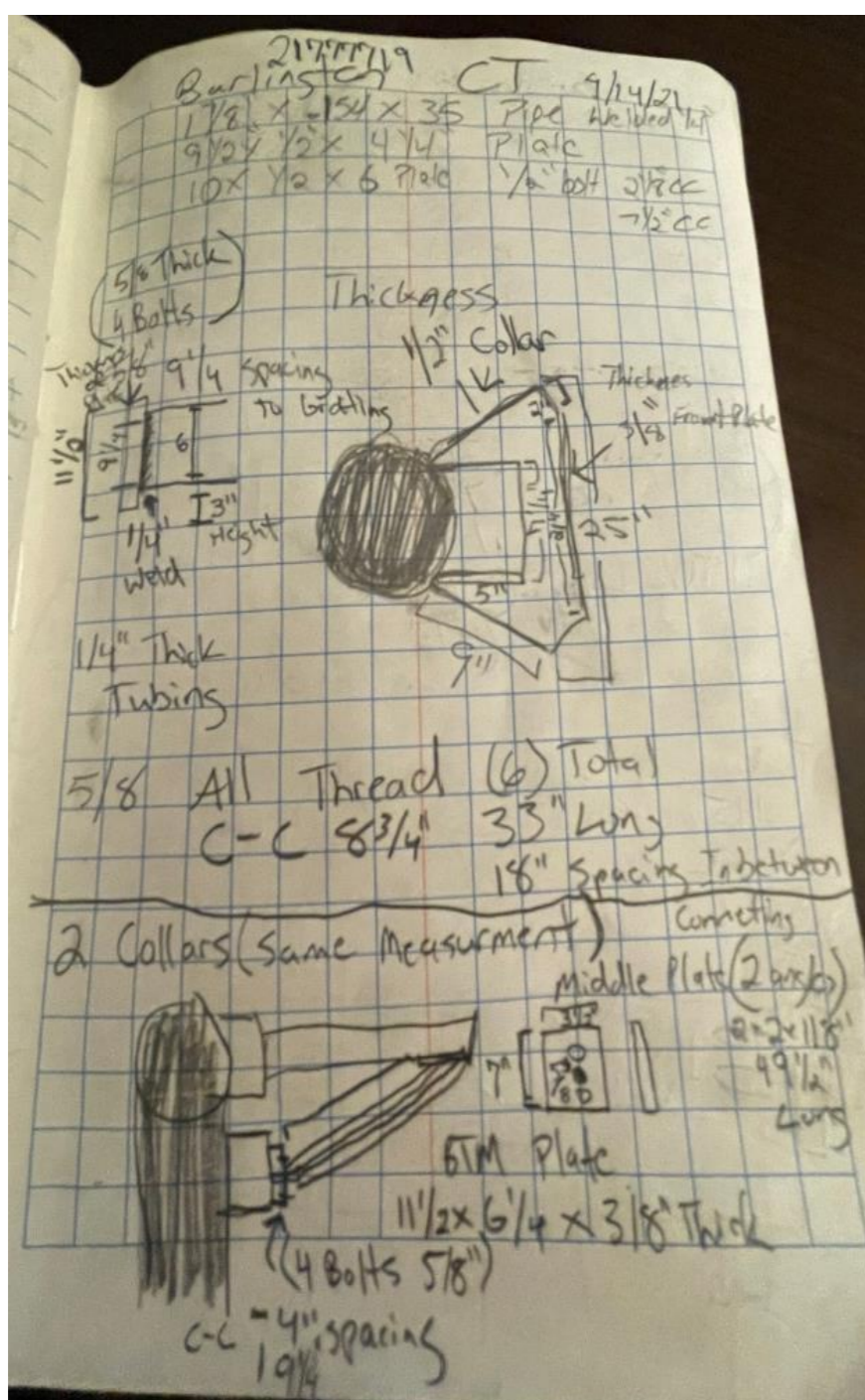
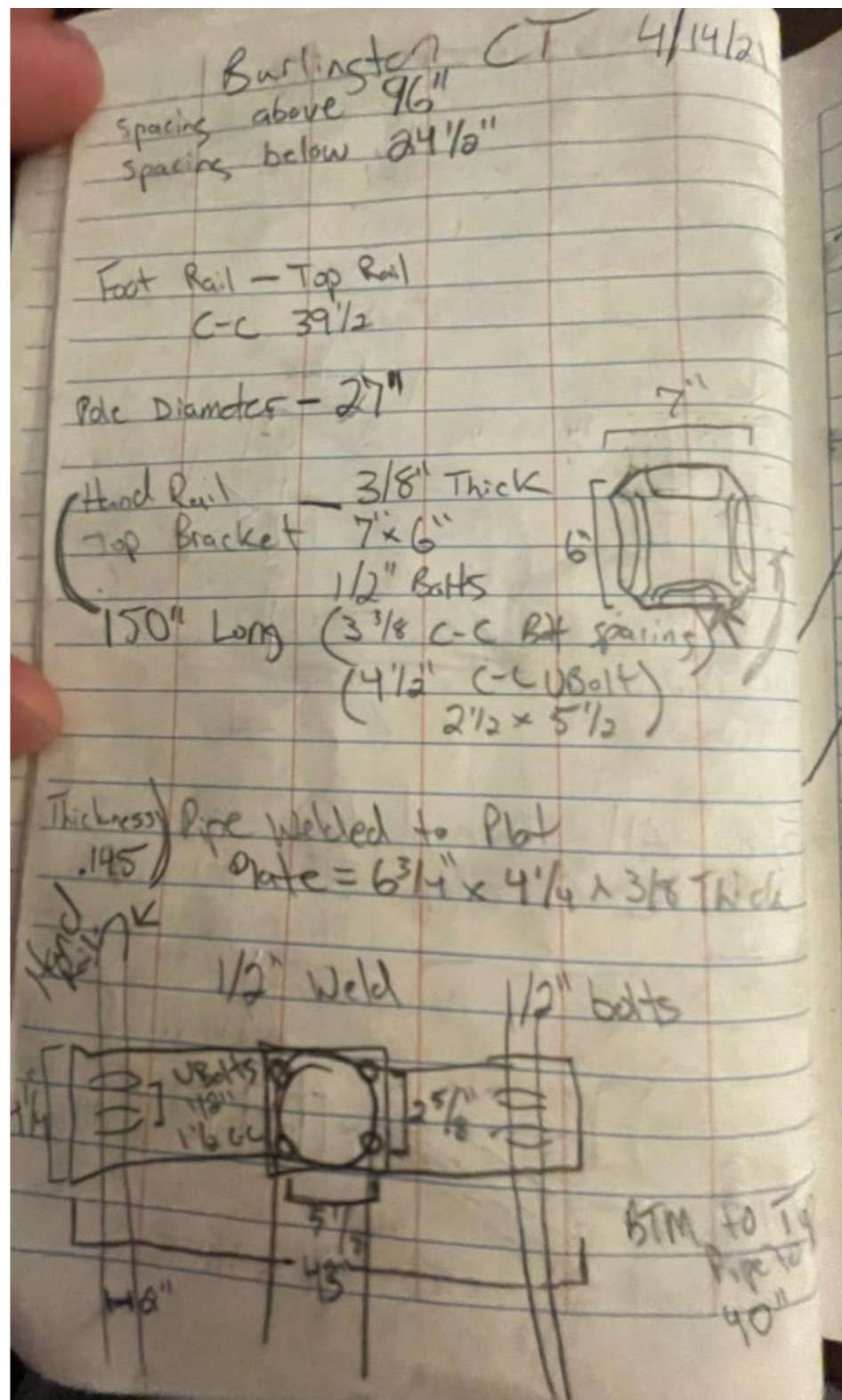
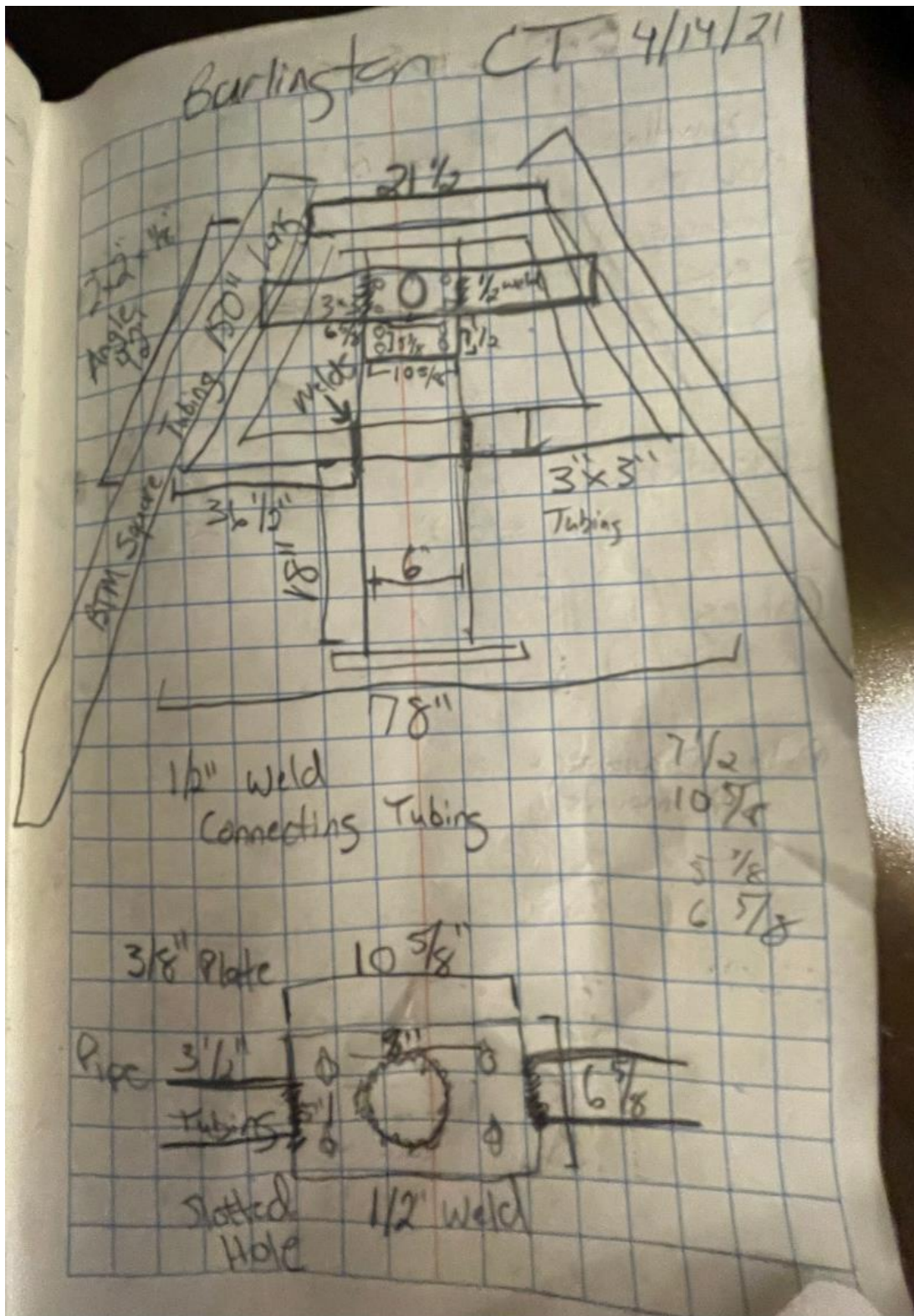
Antenna Mount Mapping Form (PATENT PENDING)

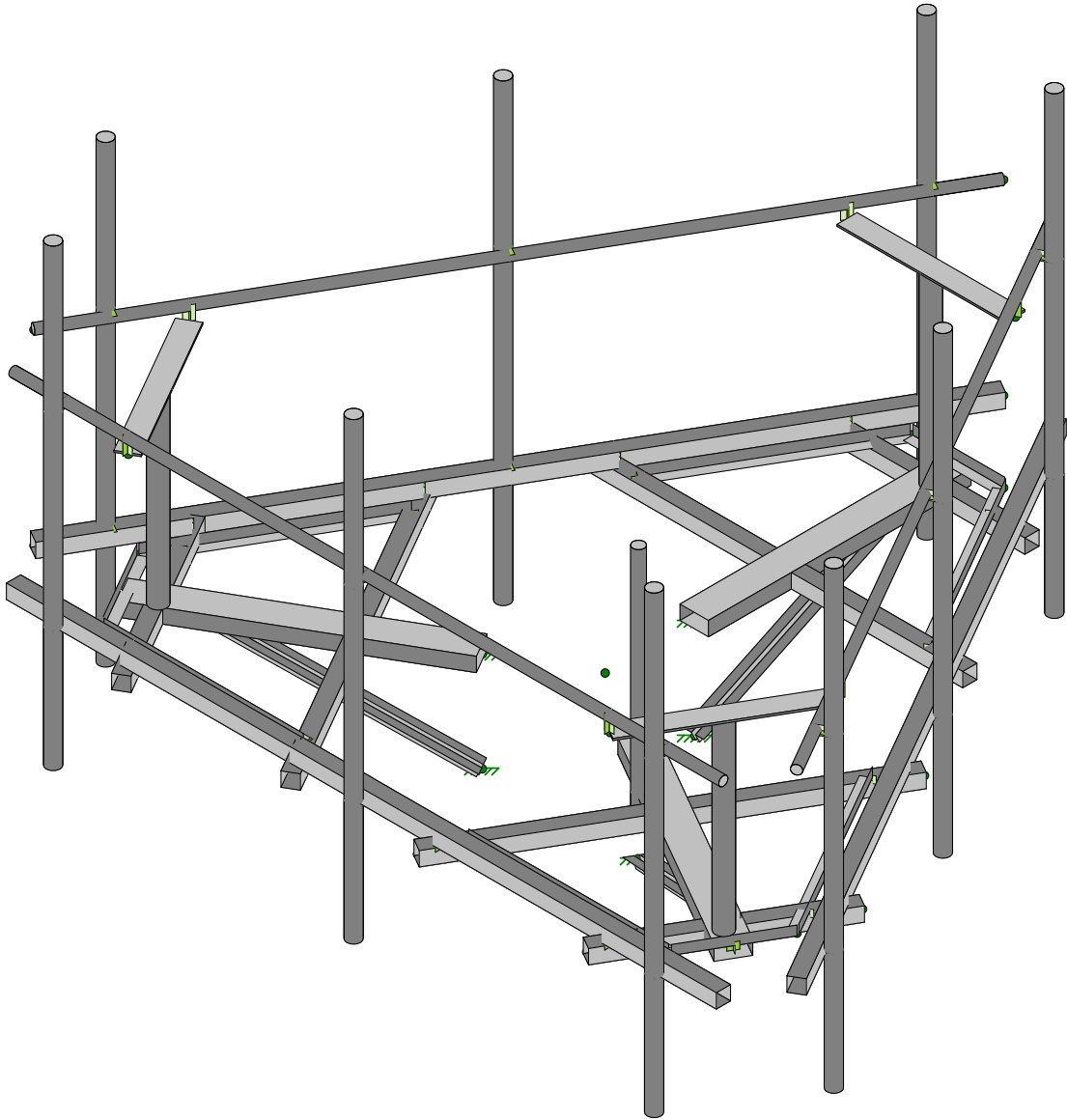
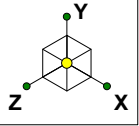
FCC #

Tower Owner:	Crown Castle	Mapping Date:	4/14/2021
Site Name:	Burlington W CT	Tower Type:	Monopole
Site Number or ID:	2177719	Tower Height (Ft.):	125
Mapping Contractor:	Structural Components	Mount Elevation (Ft.):	101.67

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

Please Insert Sketches of the Antenna Mount



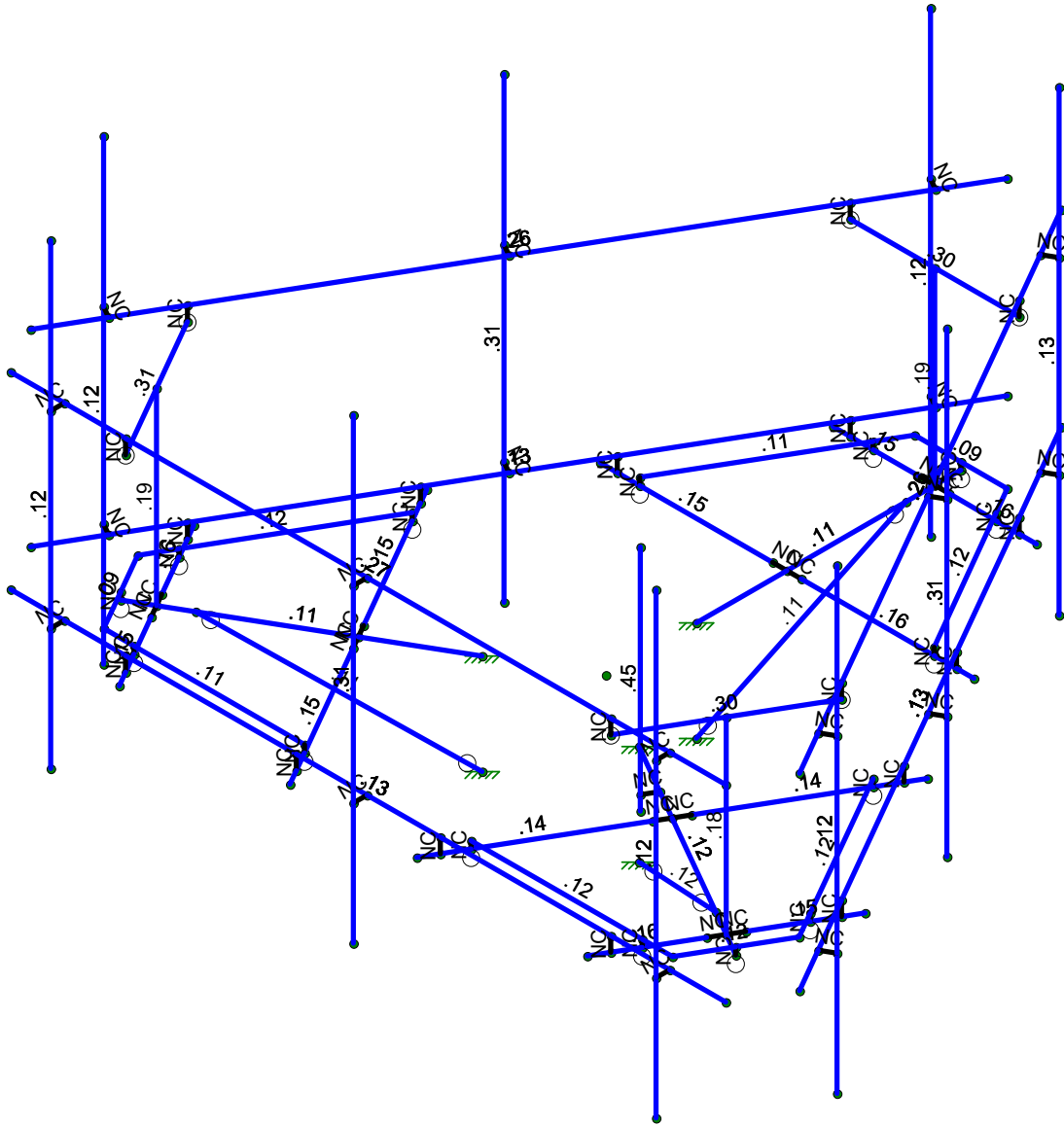
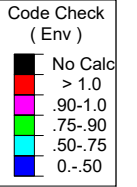
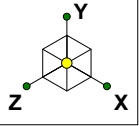


Envelope Only Solution

SK - 1

July 2, 2021 at 2:51 PM

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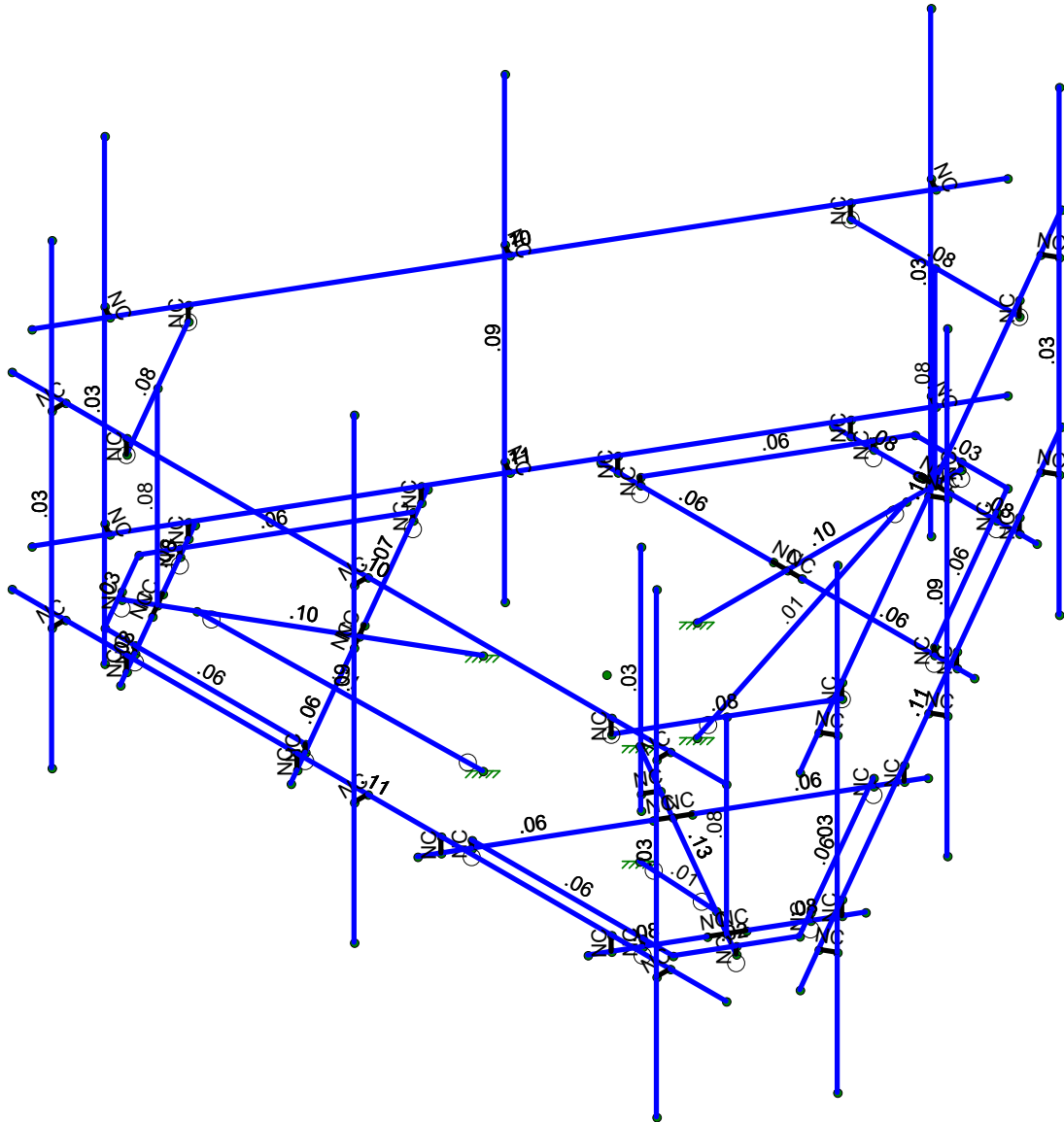
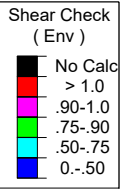
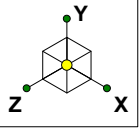


Member Code Checks Displayed (Enveloped)
Envelope Only Solution

SK - 2

July 2, 2021 at 2:51 PM

468219-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

SK - 3

July 2, 2021 at 2:52 PM

468219-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					105		
2	Antenna Di	None					105		
3	Antenna Wo (0 Deg)	None					105		
4	Antenna Wo (30 Deg)	None					105		
5	Antenna Wo (60 Deg)	None					105		
6	Antenna Wo (90 Deg)	None					105		
7	Antenna Wo (120 Deg)	None					105		
8	Antenna Wo (150 Deg)	None					105		
9	Antenna Wo (180 Deg)	None					105		
10	Antenna Wo (210 Deg)	None					105		
11	Antenna Wo (240 Deg)	None					105		
12	Antenna Wo (270 Deg)	None					105		
13	Antenna Wo (300 Deg)	None					105		
14	Antenna Wo (330 Deg)	None					105		
15	Antenna Wi (0 Deg)	None					105		
16	Antenna Wi (30 Deg)	None					105		
17	Antenna Wi (60 Deg)	None					105		
18	Antenna Wi (90 Deg)	None					105		
19	Antenna Wi (120 Deg)	None					105		
20	Antenna Wi (150 Deg)	None					105		
21	Antenna Wi (180 Deg)	None					105		
22	Antenna Wi (210 Deg)	None					105		
23	Antenna Wi (240 Deg)	None					105		
24	Antenna Wi (270 Deg)	None					105		
25	Antenna Wi (300 Deg)	None					105		
26	Antenna Wi (330 Deg)	None					105		
27	Antenna Wm (0 Deg)	None					105		
28	Antenna Wm (30 Deg)	None					105		
29	Antenna Wm (60 Deg)	None					105		
30	Antenna Wm (90 Deg)	None					105		
31	Antenna Wm (120 De...	None					105		
32	Antenna Wm (150 De...	None					105		
33	Antenna Wm (180 De...	None					105		
34	Antenna Wm (210 De...	None					105		
35	Antenna Wm (240 De...	None					105		
36	Antenna Wm (270 De...	None					105		
37	Antenna Wm (300 De...	None					105		
38	Antenna Wm (330 De...	None					105		
39	Structure D	None		-1				49	3
40	Structure Di	None						98	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	
56	Structure Wi (90 Deg)	None						98	

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						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	BLC 39 Transient Are...	None						30	
82	BLC 40 Transient Are...	None						30	

Load Combinations

	Description	So...	PDelta	S...	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..
1	1.2D+1.0Wo (0 ...	Yes	Y		1	1.2	39	1.2	3	1	41	1							
2	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	4	1	42	1							
3	1.2D+1.0Wo (60...	Yes	Y		1	1.2	39	1.2	5	1	43	1							
4	1.2D+1.0Wo (90...	Yes	Y		1	1.2	39	1.2	6	1	44	1							
5	1.2D+1.0Wo (12...	Yes	Y		1	1.2	39	1.2	7	1	45	1							
6	1.2D+1.0Wo (15...	Yes	Y		1	1.2	39	1.2	8	1	46	1							
7	1.2D+1.0Wo (18...	Yes	Y		1	1.2	39	1.2	9	1	47	1							
8	1.2D+1.0Wo (21...	Yes	Y		1	1.2	39	1.2	10	1	48	1							
9	1.2D+1.0Wo (24...	Yes	Y		1	1.2	39	1.2	11	1	49	1							
10	1.2D+1.0Wo (27...	Yes	Y		1	1.2	39	1.2	12	1	50	1							
11	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	13	1	51	1							
12	1.2D+1.0Wo (33...	Yes	Y		1	1.2	39	1.2	14	1	52	1							
13	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1			
14	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1			
15	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1			
16	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1			
17	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1			
18	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1			
19	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1			
20	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1			
21	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1			
22	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1			
23	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1			
24	1.2D + 1.0Di + 1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1			
25	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1					
26	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1					

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N2	-5.376574	0	3.104167	0
2	N3	-2.742415	0	1.583332	0
3	N4	-4.97965	0	2.874994	0
4	CP	0	0	-0.000008	0
5	N10	-4.028876	0	-0.644885	0
6	N11	-1.45596	0	3.811537	0
7	N12	-5.781526	.125	2.402769	0
8	N13	-4.971631	.125	3.80555	0
9	N14	-5.376574	.125	3.104167	0
10	N15	-4.028876	.125	-0.644885	0
11	N16	-1.45596	.125	3.811537	0
12	N17	-1.259345	0	4.152084	0
13	N18	-4.241369	0	4.153733	0
14	N19	-4.225491	0	-0.985432	0



Company :
 Designer :
 Job Number :
 Model Name :

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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N20	-5.717931	0	1.596252	0	
16	N21	-1.259345	.25	4.152084	0	
17	N22	-4.241369	.25	4.153733	0	
18	N23	-4.225491	.25	-0.985432	0	
19	N24	-5.717931	.25	1.596252	0	
20	N26	5.376572	0	3.104157	0	
21	N27	2.742413	0	1.583321	0	
22	N28	4.979643	0	2.87499	0	
23	N34	1.455951	0	3.811537	0	
24	N35	4.028868	0	-0.644885	0	
25	N36	4.971622	.125	3.80555	0	
26	N37	5.781518	.125	2.402769	0	
27	N38	5.376572	.125	3.104157	0	
28	N39	1.455951	.125	3.811537	0	
29	N40	4.028868	.125	-0.644885	0	
30	N41	4.225483	0	-0.985432	0	
31	N42	5.717923	0	1.596252	0	
32	N43	1.259337	0	4.152084	0	
33	N44	4.241361	0	4.153733	0	
34	N45	4.225483	.25	-0.985432	0	
35	N46	5.717923	.25	1.596252	0	
36	N47	1.259337	.25	4.152084	0	
37	N48	4.241361	.25	4.153733	0	
38	N49	-0.000004	0	-1.583341	0	
39	N50	-0.	0	-6.208341	0	
40	N51	-0.000004	0	-3.166674	0	
41	N52	-0.000004	0	-5.750007	0	
42	N54	3.268225	0	-3.166674	0	
43	N55	-3.268233	0	-3.166674	0	
44	N56	1.778642	0	-5.750007	0	
45	N57	-1.77865	0	-5.750007	0	
46	N58	2.572913	0	-3.166674	0	
47	N59	-2.572921	0	-3.166674	0	
48	N60	0.809892	.125	-6.208341	0	
49	N61	-0.8099	.125	-6.208341	0	
50	N62	-0.	.125	-6.208341	0	
51	N63	2.572913	.125	-3.166674	0	
52	N64	-2.572921	.125	-3.166674	0	
53	N65	-2.96615	0	-3.166674	0	
54	N66	-1.476567	0	-5.750007	0	
55	N67	2.966142	0	-3.166674	0	
56	N68	1.476558	0	-5.750007	0	
57	N69	-2.96615	.25	-3.166674	0	
58	N70	-1.476567	.25	-5.750007	0	
59	N71	2.966142	.25	-3.166674	0	
60	N72	1.476558	.25	-5.750007	0	
61	N71A	0.472246	.25	-7.489527	0	
62	N72A	6.722246	.25	3.33579	0	
63	N75	-6.722244	.25	3.335772	0	
64	N76	-0.472244	.25	-7.489545	0	
65	N79	6.249986	.25	4.153733	0	
66	N80	-6.250014	.25	4.153733	0	
67	N92	6.249986	3.541667	4.153733	0	
68	N93	-6.250014	3.541667	4.153733	0	
69	N112	0.472246	3.541667	-7.489527	0	
70	N113	6.722246	3.541667	3.33579	0	
71	N132	-6.722244	3.541667	3.335772	0	



Company :
 Designer :
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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N133	-0.472244	3.541667	-7.489545	0	
73	N218	5.270817	.25	4.153733	0	
74	N219	5.270817	3.541667	4.153733	0	
75	N220	5.270817	.25	4.393324	0	
76	N221	5.270817	3.541667	4.393324	0	
77	N222	5.270817	-1.875	4.393324	0	
78	N223	5.270817	6.125	4.393324	0	
79	N254	-5.517428	.125	1.943534	0	
80	N255	-4.441872	.125	3.806452	0	
81	N253	-5.517428	0	1.943534	0	
82	N254A	-4.441872	0	3.806452	0	
83	N255A	4.441864	.125	3.806452	0	
84	N256	5.517428	.125	1.943548	0	
85	N257	4.441864	0	3.806466	0	
86	N258	5.51742	0	1.943548	0	
87	N259	1.075552	.125	-5.750007	0	
88	N260	-1.075561	.125	-5.750007	0	
89	N261	1.075565	0	-5.750007	0	
90	N262	-1.075548	0	-5.750007	0	
91	N236	0.249996	0	-3.166674	0	
92	N237	0.249996	0	-5.750007	0	
93	N238	-0.250004	0	-3.166674	0	
94	N239	-0.250004	0	-5.750007	0	
95	N234	-4.376533	0	-1.247029	0	
96	N235	-1.108303	0	4.41371	0	
97	N236A	-5.868973	0	1.334655	0	
98	N237A	-4.090327	0	4.41536	0	
99	N238A	-2.867418	0	1.366834	0	
100	N239A	-5.10465	0	2.658501	0	
101	N240	-2.617418	0	1.799847	0	
102	N241	-4.85465	0	3.091514	0	
103	N244	1.108308	0	4.413703	0	
104	N245	4.376537	0	-1.247036	0	
105	N246	4.090331	0	4.415352	0	
106	N247	5.868977	0	1.334648	0	
107	N248	2.617422	0	1.79984	0	
108	N249	4.854654	0	3.091506	0	
109	N250	2.867422	0	1.366827	0	
110	N251	5.104654	0	2.658494	0	
111	N217A	-0.000004	-1.75	-1.583341	0	
112	N218A	-0.000004	0	-5.250007	0	
113	N222A	4.979643	3.291667	2.87499	0	
114	N223A	-0.	3.291667	-5.750007	0	
115	N223B	-4.97965	3.291667	2.874994	0	
116	N206B	-4.241369	3.291667	4.153733	0	
117	N207B	-5.717931	3.291667	1.596252	0	
118	N208B	-4.241369	3.541667	4.153733	0	
119	N209B	-5.717931	3.541667	1.596252	0	
120	N210B	5.717923	3.291667	1.596252	0	
121	N211B	4.241361	3.291667	4.153733	0	
122	N212A	5.717923	3.541667	1.596252	0	
123	N213A	4.241361	3.541667	4.153733	0	
124	N214A	-1.476567	3.291667	-5.750007	0	
125	N215B	1.476558	3.291667	-5.750007	0	
126	N216B	-1.476567	3.541667	-5.750007	0	
127	N217B	1.476558	3.541667	-5.750007	0	
128	N164	-4.546625	0	2.624995	0	



Company :
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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N167	4.546626	0	2.624986	0	
130	N161A	-1.371204	0	0.791661	0	
131	N163A	-1.371204	-1.75	0.791661	0	
132	N166	1.371208	0	0.791654	0	
133	N168	1.371208	-1.75	0.791654	0	
134	N134	-0.02085	.25	4.153733	0	
135	N135	-0.02085	3.541667	4.153733	0	
136	N136	-0.02085	.25	4.393324	0	
137	N137	-0.02085	3.541667	4.393324	0	
138	N138	-0.02085	-1.875	4.393324	0	
139	N139	-0.02085	6.125	4.393324	0	
140	N140	-5.312517	.25	4.153733	0	
141	N141	-5.312517	3.541667	4.153733	0	
142	N142	-5.312517	.25	4.393324	0	
143	N143	-5.312517	3.541667	4.393324	0	
144	N144	-5.312517	-1.875	4.393324	0	
145	N145	-5.312517	6.125	4.393324	0	
146	N147	0.97225	.25	-6.623496	0	
147	N148	0.97225	3.541667	-6.623496	0	
148	N149	1.179746	.25	-6.743293	0	
149	N150	1.179746	3.541667	-6.743293	0	
150	N151	1.179746	-1.875	-6.743293	0	
151	N152	1.179746	6.125	-6.743293	0	
152	N153	3.649333	.25	-1.986651	0	
153	N154	3.649333	3.541667	-1.986651	0	
154	N155	3.856829	.25	-2.106449	0	
155	N156	3.856829	3.541667	-2.106449	0	
156	N157	3.856829	-1.875	-2.106449	0	
157	N158	3.856829	6.125	-2.106449	0	
158	N159	6.274333	.25	2.559982	0	
159	N160	6.274333	3.541667	2.559982	0	
160	N161	6.481829	.25	2.440184	0	
161	N162	6.481829	3.541667	2.440184	0	
162	N163	6.481829	-1.875	2.440184	0	
163	N164A	6.481829	6.125	2.440184	0	
164	N166A	-6.222239	.25	2.469739	0	
165	N167A	-6.222239	3.541667	2.469739	0	
166	N168A	-6.429729	.25	2.349944	0	
167	N169	-6.429729	3.541667	2.349944	0	
168	N170	-6.429729	-1.875	2.349944	0	
169	N171	-6.429729	6.125	2.349944	0	
170	N172	-3.659739	.25	-1.968641	0	
171	N173	-3.659739	3.541667	-1.968641	0	
172	N174	-3.867229	.25	-2.088436	0	
173	N175	-3.867229	3.541667	-2.088436	0	
174	N176	-3.867229	-1.875	-2.088436	0	
175	N177	-3.867229	6.125	-2.088436	0	
176	N178	-0.930573	.25	-6.695697	0	
177	N179	-0.930573	3.541667	-6.695697	0	
178	N180	-1.138062	.25	-6.815491	0	
179	N181	-1.138062	3.541667	-6.815491	0	
180	N182	-1.138062	-1.875	-6.815491	0	
181	N183	-1.138062	6.125	-6.815491	0	
182	N184	2.237233	0	1.291654	0	
183	N185	2.112233	0	1.508161	0	
184	N186	2.112233	-.25	1.508161	0	
185	N188	2.112233	3.75	1.508161	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...	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 (/1E...Density[k/ft...	Yield[ksi]	Rv	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
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



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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
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	N80	N79			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
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



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	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
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		000000				Yes	** NA **			None
5	M10		000000				Yes	** NA **			None
6	M11		000000				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		000000				Yes	** NA **			None
15	M25		000000				Yes	** NA **			None
16	M26		000000				Yes	** NA **			None
17	M27						Yes	** NA **			None
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

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
25	M35						Yes				None
26	M36						Yes	Default			None
27	M37						Yes				None
28	M38						Yes	Default			None
29	M39		000000				Yes	** NA **			None
30	M40		000000				Yes	** NA **			None
31	M41		000000				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		000000				Yes	** NA **			None
46	M131		000000				Yes	** NA **			None
47	M132		000000				Yes	** NA **			None
48	M133		000000				Yes	** NA **			None
49	M134		000000				Yes	** NA **			None
50	M135		000000				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		000000				Yes	** NA **			None
76	M122B		000000				Yes	** NA **			None
77	M123		000000				Yes	** NA **			None
78	M124A		000000				Yes	** NA **			None
79	M125A		000000				Yes	** NA **			None
80	M126A		000000				Yes	** NA **			None
81	M127B						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
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[ft,%]
1	MP1A	Y	-22.95	.5
2	MP1A	My	-.011	.5
3	MP1A	Mz	0	.5
4	MP1A	Y	-22.95	6.5
5	MP1A	My	-.011	6.5
6	MP1A	Mz	0	6.5
7	MP1B	Y	-22.95	.5
8	MP1B	My	.006	.5
9	MP1B	Mz	-.01	.5
10	MP1B	Y	-22.95	6.5
11	MP1B	My	.006	6.5
12	MP1B	Mz	-.01	6.5
13	MP1C	Y	-22.95	.5
14	MP1C	My	.006	.5
15	MP1C	Mz	.01	.5
16	MP1C	Y	-22.95	6.5
17	MP1C	My	.006	6.5
18	MP1C	Mz	.01	6.5
19	MP2A	Y	-21.85	1.5
20	MP2A	My	-.011	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
21	MP2A	Mz	-.013	1.5
22	MP2A	Y	-21.85	5.5
23	MP2A	My	-.011	5.5
24	MP2A	Mz	-.013	5.5
25	MP2B	Y	-21.85	1.5
26	MP2B	My	.017	1.5
27	MP2B	Mz	-.003	1.5
28	MP2B	Y	-21.85	5.5
29	MP2B	My	.017	5.5
30	MP2B	Mz	-.003	5.5
31	MP2C	Y	-21.85	1.5
32	MP2C	My	-.006	1.5
33	MP2C	Mz	.016	1.5
34	MP2C	Y	-21.85	5.5
35	MP2C	My	-.006	5.5
36	MP2C	Mz	.016	5.5
37	MP2A	Y	-32.3	1.5
38	MP2A	My	-.016	1.5
39	MP2A	Mz	.019	1.5
40	MP2A	Y	-32.3	5.5
41	MP2A	My	-.016	5.5
42	MP2A	Mz	.019	5.5
43	MP2B	Y	-32.3	1.5
44	MP2B	My	-.008	1.5
45	MP2B	Mz	-.023	1.5
46	MP2B	Y	-32.3	5.5
47	MP2B	My	-.008	5.5
48	MP2B	Mz	-.023	5.5
49	MP2C	Y	-32.3	1.5
50	MP2C	My	.024	1.5
51	MP2C	Mz	.005	1.5
52	MP2C	Y	-32.3	5.5
53	MP2C	My	.024	5.5
54	MP2C	Mz	.005	5.5
55	MP3A	Y	-43.55	2.5
56	MP3A	My	-.022	2.5
57	MP3A	Mz	0	2.5
58	MP3A	Y	-43.55	4.5
59	MP3A	My	-.022	4.5
60	MP3A	Mz	0	4.5
61	MP3B	Y	-43.55	2.5
62	MP3B	My	.011	2.5
63	MP3B	Mz	-.019	2.5
64	MP3B	Y	-43.55	4.5
65	MP3B	My	.011	4.5
66	MP3B	Mz	-.019	4.5
67	MP3C	Y	-43.55	2.5
68	MP3C	My	.011	2.5
69	MP3C	Mz	.019	2.5
70	MP3C	Y	-43.55	4.5
71	MP3C	My	.011	4.5
72	MP3C	Mz	.019	4.5
73	MP1A	Y	-84.4	4.25
74	MP1A	My	.042	4.25
75	MP1A	Mz	0	4.25
76	MP1B	Y	-84.4	4.25
77	MP1B	My	-.021	4.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1B	Mz	.037	4.25
79	MP1C	Y	-84.4	4.25
80	MP1C	My	-.021	4.25
81	MP1C	Mz	-.037	4.25
82	MP2A	Y	-70.3	4.25
83	MP2A	My	.035	4.25
84	MP2A	Mz	0	4.25
85	MP2B	Y	-70.3	4.25
86	MP2B	My	-.018	4.25
87	MP2B	Mz	.03	4.25
88	MP2C	Y	-70.3	4.25
89	MP2C	My	-.018	4.25
90	MP2C	Mz	-.03	4.25
91	MP3A	Y	-18.6	4.25
92	MP3A	My	.009	4.25
93	MP3A	Mz	0	4.25
94	MP3B	Y	-18.6	4.25
95	MP3B	My	-.005	4.25
96	MP3B	Mz	.008	4.25
97	MP3C	Y	-18.6	4.25
98	MP3C	My	-.005	4.25
99	MP3C	Mz	-.008	4.25
100	M113	Y	-32	1
101	M113	My	0	1
102	M113	Mz	0	1
103	M113	Y	-32	1
104	M113	My	0	1
105	M113	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-64.676	.5
2	MP1A	My	-.032	.5
3	MP1A	Mz	0	.5
4	MP1A	Y	-64.676	6.5
5	MP1A	My	-.032	6.5
6	MP1A	Mz	0	6.5
7	MP1B	Y	-64.676	.5
8	MP1B	My	.016	.5
9	MP1B	Mz	-.028	.5
10	MP1B	Y	-64.676	6.5
11	MP1B	My	.016	6.5
12	MP1B	Mz	-.028	6.5
13	MP1C	Y	-64.676	.5
14	MP1C	My	.016	.5
15	MP1C	Mz	.028	.5
16	MP1C	Y	-64.676	6.5
17	MP1C	My	.016	6.5
18	MP1C	Mz	.028	6.5
19	MP2A	Y	-58.238	1.5
20	MP2A	My	-.029	1.5
21	MP2A	Mz	-.034	1.5
22	MP2A	Y	-58.238	5.5
23	MP2A	My	-.029	5.5
24	MP2A	Mz	-.034	5.5
25	MP2B	Y	-58.238	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
26	MP2B	My	.044	1.5
27	MP2B	Mz	-.008	1.5
28	MP2B	Y	-58.238	5.5
29	MP2B	My	.044	5.5
30	MP2B	Mz	-.008	5.5
31	MP2C	Y	-58.238	1.5
32	MP2C	My	-.015	1.5
33	MP2C	Mz	.042	1.5
34	MP2C	Y	-58.238	5.5
35	MP2C	My	-.015	5.5
36	MP2C	Mz	.042	5.5
37	MP2A	Y	-58.238	1.5
38	MP2A	My	-.029	1.5
39	MP2A	Mz	.034	1.5
40	MP2A	Y	-58.238	5.5
41	MP2A	My	-.029	5.5
42	MP2A	Mz	.034	5.5
43	MP2B	Y	-58.238	1.5
44	MP2B	My	-.015	1.5
45	MP2B	Mz	-.042	1.5
46	MP2B	Y	-58.238	5.5
47	MP2B	My	-.015	5.5
48	MP2B	Mz	-.042	5.5
49	MP2C	Y	-58.238	1.5
50	MP2C	My	.044	1.5
51	MP2C	Mz	.008	1.5
52	MP2C	Y	-58.238	5.5
53	MP2C	My	.044	5.5
54	MP2C	Mz	.008	5.5
55	MP3A	Y	-34.219	2.5
56	MP3A	My	-.017	2.5
57	MP3A	Mz	0	2.5
58	MP3A	Y	-34.219	4.5
59	MP3A	My	-.017	4.5
60	MP3A	Mz	0	4.5
61	MP3B	Y	-34.219	2.5
62	MP3B	My	.009	2.5
63	MP3B	Mz	-.015	2.5
64	MP3B	Y	-34.219	4.5
65	MP3B	My	.009	4.5
66	MP3B	Mz	-.015	4.5
67	MP3C	Y	-34.219	2.5
68	MP3C	My	.009	2.5
69	MP3C	Mz	.015	2.5
70	MP3C	Y	-34.219	4.5
71	MP3C	My	.009	4.5
72	MP3C	Mz	.015	4.5
73	MP1A	Y	-43.117	4.25
74	MP1A	My	.022	4.25
75	MP1A	Mz	0	4.25
76	MP1B	Y	-43.117	4.25
77	MP1B	My	-.011	4.25
78	MP1B	Mz	.019	4.25
79	MP1C	Y	-43.117	4.25
80	MP1C	My	-.011	4.25
81	MP1C	Mz	-.019	4.25
82	MP2A	Y	-38.764	4.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
83	MP2A	My	.019	4.25
84	MP2A	Mz	0	4.25
85	MP2B	Y	-38.764	4.25
86	MP2B	My	-.01	4.25
87	MP2B	Mz	.017	4.25
88	MP2C	Y	-38.764	4.25
89	MP2C	My	-.01	4.25
90	MP2C	Mz	-.017	4.25
91	MP3A	Y	-19.001	4.25
92	MP3A	My	.009	4.25
93	MP3A	Mz	0	4.25
94	MP3B	Y	-19.001	4.25
95	MP3B	My	-.005	4.25
96	MP3B	Mz	.008	4.25
97	MP3C	Y	-19.001	4.25
98	MP3C	My	-.005	4.25
99	MP3C	Mz	-.008	4.25
100	M113	Y	-84.526	1
101	M113	My	0	1
102	M113	Mz	0	1
103	M113	Y	-84.526	1
104	M113	My	0	1
105	M113	Mz	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-162.864	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	6.5
5	MP1A	Z	-162.864	6.5
6	MP1A	Mx	0	6.5
7	MP1B	X	0	.5
8	MP1B	Z	-121.974	.5
9	MP1B	Mx	.053	.5
10	MP1B	X	0	6.5
11	MP1B	Z	-121.974	6.5
12	MP1B	Mx	.053	6.5
13	MP1C	X	0	.5
14	MP1C	Z	-121.974	.5
15	MP1C	Mx	-.053	.5
16	MP1C	X	0	6.5
17	MP1C	Z	-121.974	6.5
18	MP1C	Mx	-.053	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	-142.573	1.5
21	MP2A	Mx	.083	1.5
22	MP2A	X	0	5.5
23	MP2A	Z	-142.573	5.5
24	MP2A	Mx	.083	5.5
25	MP2B	X	0	1.5
26	MP2B	Z	-106.334	1.5
27	MP2B	Mx	.015	1.5
28	MP2B	X	0	5.5
29	MP2B	Z	-106.334	5.5
30	MP2B	Mx	.015	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
31	MP2C	X	0	1.5
32	MP2C	Z	-106.334	1.5
33	MP2C	Mx	-.077	1.5
34	MP2C	X	0	5.5
35	MP2C	Z	-106.334	5.5
36	MP2C	Mx	-.077	5.5
37	MP2A	X	0	1.5
38	MP2A	Z	-142.043	1.5
39	MP2A	Mx	-.083	1.5
40	MP2A	X	0	5.5
41	MP2A	Z	-142.043	5.5
42	MP2A	Mx	-.083	5.5
43	MP2B	X	0	1.5
44	MP2B	Z	-106.202	1.5
45	MP2B	Mx	.077	1.5
46	MP2B	X	0	5.5
47	MP2B	Z	-106.202	5.5
48	MP2B	Mx	.077	5.5
49	MP2C	X	0	1.5
50	MP2C	Z	-106.202	1.5
51	MP2C	Mx	-.015	1.5
52	MP2C	X	0	5.5
53	MP2C	Z	-106.202	5.5
54	MP2C	Mx	-.015	5.5
55	MP3A	X	0	2.5
56	MP3A	Z	-82.932	2.5
57	MP3A	Mx	0	2.5
58	MP3A	X	0	4.5
59	MP3A	Z	-82.932	4.5
60	MP3A	Mx	0	4.5
61	MP3B	X	0	2.5
62	MP3B	Z	-45.084	2.5
63	MP3B	Mx	.02	2.5
64	MP3B	X	0	4.5
65	MP3B	Z	-45.084	4.5
66	MP3B	Mx	.02	4.5
67	MP3C	X	0	2.5
68	MP3C	Z	-45.084	2.5
69	MP3C	Mx	-.02	2.5
70	MP3C	X	0	4.5
71	MP3C	Z	-45.084	4.5
72	MP3C	Mx	-.02	4.5
73	MP1A	X	0	4.25
74	MP1A	Z	-65.993	4.25
75	MP1A	Mx	0	4.25
76	MP1B	X	0	4.25
77	MP1B	Z	-49.583	4.25
78	MP1B	Mx	-.021	4.25
79	MP1C	X	0	4.25
80	MP1C	Z	-49.583	4.25
81	MP1C	Mx	.021	4.25
82	MP2A	X	0	4.25
83	MP2A	Z	-65.993	4.25
84	MP2A	Mx	0	4.25
85	MP2B	X	0	4.25
86	MP2B	Z	-43.297	4.25
87	MP2B	Mx	-.019	4.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
88	MP2C	X	0	4.25
89	MP2C	Z	-43.297	4.25
90	MP2C	Mx	.019	4.25
91	MP3A	X	0	4.25
92	MP3A	Z	-34.937	4.25
93	MP3A	Mx	0	4.25
94	MP3B	X	0	4.25
95	MP3B	Z	-21.997	4.25
96	MP3B	Mx	-.01	4.25
97	MP3C	X	0	4.25
98	MP3C	Z	-21.997	4.25
99	MP3C	Mx	.01	4.25
100	M113	X	0	1
101	M113	Z	-134.787	1
102	M113	Mx	0	1
103	M113	X	0	1
104	M113	Z	-134.787	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	74.617	.5
2	MP1A	Z	-129.241	.5
3	MP1A	Mx	-.037	.5
4	MP1A	X	74.617	6.5
5	MP1A	Z	-129.241	6.5
6	MP1A	Mx	-.037	6.5
7	MP1B	X	54.172	.5
8	MP1B	Z	-93.828	.5
9	MP1B	Mx	.054	.5
10	MP1B	X	54.172	6.5
11	MP1B	Z	-93.828	6.5
12	MP1B	Mx	.054	6.5
13	MP1C	X	74.617	.5
14	MP1C	Z	-129.241	.5
15	MP1C	Mx	-.037	.5
16	MP1C	X	74.617	6.5
17	MP1C	Z	-129.241	6.5
18	MP1C	Mx	-.037	6.5
19	MP2A	X	65.247	1.5
20	MP2A	Z	-113.01	1.5
21	MP2A	Mx	.033	1.5
22	MP2A	X	65.247	5.5
23	MP2A	Z	-113.01	5.5
24	MP2A	Mx	.033	5.5
25	MP2B	X	47.127	1.5
26	MP2B	Z	-81.627	1.5
27	MP2B	Mx	.047	1.5
28	MP2B	X	47.127	5.5
29	MP2B	Z	-81.627	5.5
30	MP2B	Mx	.047	5.5
31	MP2C	X	65.247	1.5
32	MP2C	Z	-113.01	1.5
33	MP2C	Mx	-.099	1.5
34	MP2C	X	65.247	5.5
35	MP2C	Z	-113.01	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP2C	Mx	-.099	5.5
37	MP2A	X	65.048	1.5
38	MP2A	Z	-112.666	1.5
39	MP2A	Mx	-.098	1.5
40	MP2A	X	65.048	5.5
41	MP2A	Z	-112.666	5.5
42	MP2A	Mx	-.098	5.5
43	MP2B	X	47.127	1.5
44	MP2B	Z	-81.627	1.5
45	MP2B	Mx	.047	1.5
46	MP2B	X	47.127	5.5
47	MP2B	Z	-81.627	5.5
48	MP2B	Mx	.047	5.5
49	MP2C	X	65.048	1.5
50	MP2C	Z	-112.666	1.5
51	MP2C	Mx	.033	1.5
52	MP2C	X	65.048	5.5
53	MP2C	Z	-112.666	5.5
54	MP2C	Mx	.033	5.5
55	MP3A	X	35.158	2.5
56	MP3A	Z	-60.895	2.5
57	MP3A	Mx	-.018	2.5
58	MP3A	X	35.158	4.5
59	MP3A	Z	-60.895	4.5
60	MP3A	Mx	-.018	4.5
61	MP3B	X	16.234	2.5
62	MP3B	Z	-28.118	2.5
63	MP3B	Mx	.016	2.5
64	MP3B	X	16.234	4.5
65	MP3B	Z	-28.118	4.5
66	MP3B	Mx	.016	4.5
67	MP3C	X	35.158	2.5
68	MP3C	Z	-60.895	2.5
69	MP3C	Mx	-.018	2.5
70	MP3C	X	35.158	4.5
71	MP3C	Z	-60.895	4.5
72	MP3C	Mx	-.018	4.5
73	MP1A	X	30.261	4.25
74	MP1A	Z	-52.414	4.25
75	MP1A	Mx	.015	4.25
76	MP1B	X	22.056	4.25
77	MP1B	Z	-38.203	4.25
78	MP1B	Mx	-.022	4.25
79	MP1C	X	30.261	4.25
80	MP1C	Z	-52.414	4.25
81	MP1C	Mx	.015	4.25
82	MP2A	X	29.214	4.25
83	MP2A	Z	-50.6	4.25
84	MP2A	Mx	.015	4.25
85	MP2B	X	17.866	4.25
86	MP2B	Z	-30.944	4.25
87	MP2B	Mx	-.018	4.25
88	MP2C	X	29.214	4.25
89	MP2C	Z	-50.6	4.25
90	MP2C	Mx	.015	4.25
91	MP3A	X	15.312	4.25
92	MP3A	Z	-26.521	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
93	MP3A	Mx	.008	4.25
94	MP3B	X	8.842	4.25
95	MP3B	Z	-15.314	4.25
96	MP3B	Mx	-.009	4.25
97	MP3C	X	15.312	4.25
98	MP3C	Z	-26.521	4.25
99	MP3C	Mx	.008	4.25
100	M113	X	58.902	1
101	M113	Z	-102.021	1
102	M113	Mx	0	1
103	M113	X	58.902	1
104	M113	Z	-102.021	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	105.633	.5
2	MP1A	Z	-60.987	.5
3	MP1A	Mx	-.053	.5
4	MP1A	X	105.633	6.5
5	MP1A	Z	-60.987	6.5
6	MP1A	Mx	-.053	6.5
7	MP1B	X	105.633	.5
8	MP1B	Z	-60.987	.5
9	MP1B	Mx	.053	.5
10	MP1B	X	105.633	6.5
11	MP1B	Z	-60.987	6.5
12	MP1B	Mx	.053	6.5
13	MP1C	X	141.045	.5
14	MP1C	Z	-81.432	.5
15	MP1C	Mx	0	.5
16	MP1C	X	141.045	6.5
17	MP1C	Z	-81.432	6.5
18	MP1C	Mx	0	6.5
19	MP2A	X	92.088	1.5
20	MP2A	Z	-53.167	1.5
21	MP2A	Mx	-.015	1.5
22	MP2A	X	92.088	5.5
23	MP2A	Z	-53.167	5.5
24	MP2A	Mx	-.015	5.5
25	MP2B	X	92.088	1.5
26	MP2B	Z	-53.167	1.5
27	MP2B	Mx	.077	1.5
28	MP2B	X	92.088	5.5
29	MP2B	Z	-53.167	5.5
30	MP2B	Mx	.077	5.5
31	MP2C	X	123.471	1.5
32	MP2C	Z	-71.286	1.5
33	MP2C	Mx	-.083	1.5
34	MP2C	X	123.471	5.5
35	MP2C	Z	-71.286	5.5
36	MP2C	Mx	-.083	5.5
37	MP2A	X	91.973	1.5
38	MP2A	Z	-53.101	1.5
39	MP2A	Mx	-.077	1.5
40	MP2A	X	91.973	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
41	MP2A	Z	-53.101	5.5
42	MP2A	Mx	-.077	5.5
43	MP2B	X	91.973	1.5
44	MP2B	Z	-53.101	1.5
45	MP2B	Mx	.015	1.5
46	MP2B	X	91.973	5.5
47	MP2B	Z	-53.101	5.5
48	MP2B	Mx	.015	5.5
49	MP2C	X	123.013	1.5
50	MP2C	Z	-71.022	1.5
51	MP2C	Mx	.083	1.5
52	MP2C	X	123.013	5.5
53	MP2C	Z	-71.022	5.5
54	MP2C	Mx	.083	5.5
55	MP3A	X	39.044	2.5
56	MP3A	Z	-22.542	2.5
57	MP3A	Mx	-.02	2.5
58	MP3A	X	39.044	4.5
59	MP3A	Z	-22.542	4.5
60	MP3A	Mx	-.02	4.5
61	MP3B	X	39.044	2.5
62	MP3B	Z	-22.542	2.5
63	MP3B	Mx	.02	2.5
64	MP3B	X	39.044	4.5
65	MP3B	Z	-22.542	4.5
66	MP3B	Mx	.02	4.5
67	MP3C	X	71.821	2.5
68	MP3C	Z	-41.466	2.5
69	MP3C	Mx	0	2.5
70	MP3C	X	71.821	4.5
71	MP3C	Z	-41.466	4.5
72	MP3C	Mx	0	4.5
73	MP1A	X	42.94	4.25
74	MP1A	Z	-24.791	4.25
75	MP1A	Mx	.021	4.25
76	MP1B	X	42.94	4.25
77	MP1B	Z	-24.791	4.25
78	MP1B	Mx	-.021	4.25
79	MP1C	X	57.151	4.25
80	MP1C	Z	-32.996	4.25
81	MP1C	Mx	0	4.25
82	MP2A	X	37.496	4.25
83	MP2A	Z	-21.648	4.25
84	MP2A	Mx	.019	4.25
85	MP2B	X	37.496	4.25
86	MP2B	Z	-21.648	4.25
87	MP2B	Mx	-.019	4.25
88	MP2C	X	57.151	4.25
89	MP2C	Z	-32.996	4.25
90	MP2C	Mx	0	4.25
91	MP3A	X	19.05	4.25
92	MP3A	Z	-10.998	4.25
93	MP3A	Mx	.01	4.25
94	MP3B	X	19.05	4.25
95	MP3B	Z	-10.998	4.25
96	MP3B	Mx	-.01	4.25
97	MP3C	X	30.257	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
98	MP3C	Z	-17.469	4.25
99	MP3C	Mx	0	4.25
100	M113	X	94.667	1
101	M113	Z	-54.656	1
102	M113	Mx	0	1
103	M113	X	94.667	1
104	M113	Z	-54.656	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	108.344	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.054	.5
4	MP1A	X	108.344	6.5
5	MP1A	Z	0	6.5
6	MP1A	Mx	-.054	6.5
7	MP1B	X	149.234	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.037	.5
10	MP1B	X	149.234	6.5
11	MP1B	Z	0	6.5
12	MP1B	Mx	.037	6.5
13	MP1C	X	149.234	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.037	.5
16	MP1C	X	149.234	6.5
17	MP1C	Z	0	6.5
18	MP1C	Mx	.037	6.5
19	MP2A	X	94.254	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.047	1.5
22	MP2A	X	94.254	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.047	5.5
25	MP2B	X	130.493	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.099	1.5
28	MP2B	X	130.493	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.099	5.5
31	MP2C	X	130.493	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	-.033	1.5
34	MP2C	X	130.493	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.033	5.5
37	MP2A	X	94.254	1.5
38	MP2A	Z	0	1.5
39	MP2A	Mx	-.047	1.5
40	MP2A	X	94.254	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	-.047	5.5
43	MP2B	X	130.096	1.5
44	MP2B	Z	0	1.5
45	MP2B	Mx	-.033	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
46	MP2B	X	130.096	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	-.033	5.5
49	MP2C	X	130.096	1.5
50	MP2C	Z	0	1.5
51	MP2C	Mx	.098	1.5
52	MP2C	X	130.096	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	.098	5.5
55	MP3A	X	32.468	2.5
56	MP3A	Z	0	2.5
57	MP3A	Mx	-.016	2.5
58	MP3A	X	32.468	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	-.016	4.5
61	MP3B	X	70.316	2.5
62	MP3B	Z	0	2.5
63	MP3B	Mx	.018	2.5
64	MP3B	X	70.316	4.5
65	MP3B	Z	0	4.5
66	MP3B	Mx	.018	4.5
67	MP3C	X	70.316	2.5
68	MP3C	Z	0	2.5
69	MP3C	Mx	.018	2.5
70	MP3C	X	70.316	4.5
71	MP3C	Z	0	4.5
72	MP3C	Mx	.018	4.5
73	MP1A	X	44.113	4.25
74	MP1A	Z	0	4.25
75	MP1A	Mx	.022	4.25
76	MP1B	X	60.523	4.25
77	MP1B	Z	0	4.25
78	MP1B	Mx	-.015	4.25
79	MP1C	X	60.523	4.25
80	MP1C	Z	0	4.25
81	MP1C	Mx	-.015	4.25
82	MP2A	X	35.731	4.25
83	MP2A	Z	0	4.25
84	MP2A	Mx	.018	4.25
85	MP2B	X	58.427	4.25
86	MP2B	Z	0	4.25
87	MP2B	Mx	-.015	4.25
88	MP2C	X	58.427	4.25
89	MP2C	Z	0	4.25
90	MP2C	Mx	-.015	4.25
91	MP3A	X	17.683	4.25
92	MP3A	Z	0	4.25
93	MP3A	Mx	.009	4.25
94	MP3B	X	30.624	4.25
95	MP3B	Z	0	4.25
96	MP3B	Mx	-.008	4.25
97	MP3C	X	30.624	4.25
98	MP3C	Z	0	4.25
99	MP3C	Mx	-.008	4.25
100	M113	X	117.803	1
101	M113	Z	0	1
102	M113	Mx	0	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	M113	X	117.803	1
104	M113	Z	0	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	105.633	.5
2	MP1A	Z	60.987	.5
3	MP1A	Mx	-.053	.5
4	MP1A	X	105.633	6.5
5	MP1A	Z	60.987	6.5
6	MP1A	Mx	-.053	6.5
7	MP1B	X	141.045	.5
8	MP1B	Z	81.432	.5
9	MP1B	Mx	0	.5
10	MP1B	X	141.045	6.5
11	MP1B	Z	81.432	6.5
12	MP1B	Mx	0	6.5
13	MP1C	X	105.633	.5
14	MP1C	Z	60.987	.5
15	MP1C	Mx	.053	.5
16	MP1C	X	105.633	6.5
17	MP1C	Z	60.987	6.5
18	MP1C	Mx	.053	6.5
19	MP2A	X	92.088	1.5
20	MP2A	Z	53.167	1.5
21	MP2A	Mx	-.077	1.5
22	MP2A	X	92.088	5.5
23	MP2A	Z	53.167	5.5
24	MP2A	Mx	-.077	5.5
25	MP2B	X	123.471	1.5
26	MP2B	Z	71.286	1.5
27	MP2B	Mx	.083	1.5
28	MP2B	X	123.471	5.5
29	MP2B	Z	71.286	5.5
30	MP2B	Mx	.083	5.5
31	MP2C	X	92.088	1.5
32	MP2C	Z	53.167	1.5
33	MP2C	Mx	.015	1.5
34	MP2C	X	92.088	5.5
35	MP2C	Z	53.167	5.5
36	MP2C	Mx	.015	5.5
37	MP2A	X	91.973	1.5
38	MP2A	Z	53.101	1.5
39	MP2A	Mx	-.015	1.5
40	MP2A	X	91.973	5.5
41	MP2A	Z	53.101	5.5
42	MP2A	Mx	-.015	5.5
43	MP2B	X	123.013	1.5
44	MP2B	Z	71.022	1.5
45	MP2B	Mx	-.083	1.5
46	MP2B	X	123.013	5.5
47	MP2B	Z	71.022	5.5
48	MP2B	Mx	-.083	5.5
49	MP2C	X	91.973	1.5
50	MP2C	Z	53.101	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
51	MP2C	Mx	.077	1.5
52	MP2C	X	91.973	5.5
53	MP2C	Z	53.101	5.5
54	MP2C	Mx	.077	5.5
55	MP3A	X	39.044	2.5
56	MP3A	Z	22.542	2.5
57	MP3A	Mx	-.02	2.5
58	MP3A	X	39.044	4.5
59	MP3A	Z	22.542	4.5
60	MP3A	Mx	-.02	4.5
61	MP3B	X	71.821	2.5
62	MP3B	Z	41.466	2.5
63	MP3B	Mx	0	2.5
64	MP3B	X	71.821	4.5
65	MP3B	Z	41.466	4.5
66	MP3B	Mx	0	4.5
67	MP3C	X	39.044	2.5
68	MP3C	Z	22.542	2.5
69	MP3C	Mx	.02	2.5
70	MP3C	X	39.044	4.5
71	MP3C	Z	22.542	4.5
72	MP3C	Mx	.02	4.5
73	MP1A	X	42.94	4.25
74	MP1A	Z	24.791	4.25
75	MP1A	Mx	.021	4.25
76	MP1B	X	57.151	4.25
77	MP1B	Z	32.996	4.25
78	MP1B	Mx	0	4.25
79	MP1C	X	42.94	4.25
80	MP1C	Z	24.791	4.25
81	MP1C	Mx	-.021	4.25
82	MP2A	X	37.496	4.25
83	MP2A	Z	21.648	4.25
84	MP2A	Mx	.019	4.25
85	MP2B	X	57.151	4.25
86	MP2B	Z	32.996	4.25
87	MP2B	Mx	0	4.25
88	MP2C	X	37.496	4.25
89	MP2C	Z	21.648	4.25
90	MP2C	Mx	-.019	4.25
91	MP3A	X	19.05	4.25
92	MP3A	Z	10.998	4.25
93	MP3A	Mx	.01	4.25
94	MP3B	X	30.257	4.25
95	MP3B	Z	17.469	4.25
96	MP3B	Mx	0	4.25
97	MP3C	X	19.05	4.25
98	MP3C	Z	10.998	4.25
99	MP3C	Mx	-.01	4.25
100	M113	X	116.729	1
101	M113	Z	67.393	1
102	M113	Mx	0	1
103	M113	X	116.729	1
104	M113	Z	67.393	1
105	M113	Mx	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	74.617	.5
2	MP1A	Z	129.241	.5
3	MP1A	Mx	-.037	.5
4	MP1A	X	74.617	6.5
5	MP1A	Z	129.241	6.5
6	MP1A	Mx	-.037	6.5
7	MP1B	X	74.617	.5
8	MP1B	Z	129.241	.5
9	MP1B	Mx	-.037	.5
10	MP1B	X	74.617	6.5
11	MP1B	Z	129.241	6.5
12	MP1B	Mx	-.037	6.5
13	MP1C	X	54.172	.5
14	MP1C	Z	93.828	.5
15	MP1C	Mx	.054	.5
16	MP1C	X	54.172	6.5
17	MP1C	Z	93.828	6.5
18	MP1C	Mx	.054	6.5
19	MP2A	X	65.247	1.5
20	MP2A	Z	113.01	1.5
21	MP2A	Mx	-.099	1.5
22	MP2A	X	65.247	5.5
23	MP2A	Z	113.01	5.5
24	MP2A	Mx	-.099	5.5
25	MP2B	X	65.247	1.5
26	MP2B	Z	113.01	1.5
27	MP2B	Mx	.033	1.5
28	MP2B	X	65.247	5.5
29	MP2B	Z	113.01	5.5
30	MP2B	Mx	.033	5.5
31	MP2C	X	47.127	1.5
32	MP2C	Z	81.627	1.5
33	MP2C	Mx	.047	1.5
34	MP2C	X	47.127	5.5
35	MP2C	Z	81.627	5.5
36	MP2C	Mx	.047	5.5
37	MP2A	X	65.048	1.5
38	MP2A	Z	112.666	1.5
39	MP2A	Mx	.033	1.5
40	MP2A	X	65.048	5.5
41	MP2A	Z	112.666	5.5
42	MP2A	Mx	.033	5.5
43	MP2B	X	65.048	1.5
44	MP2B	Z	112.666	1.5
45	MP2B	Mx	-.098	1.5
46	MP2B	X	65.048	5.5
47	MP2B	Z	112.666	5.5
48	MP2B	Mx	-.098	5.5
49	MP2C	X	47.127	1.5
50	MP2C	Z	81.627	1.5
51	MP2C	Mx	.047	1.5
52	MP2C	X	47.127	5.5
53	MP2C	Z	81.627	5.5
54	MP2C	Mx	.047	5.5
55	MP3A	X	35.158	2.5
56	MP3A	Z	60.895	2.5
57	MP3A	Mx	-.018	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP3A	X	35.158	4.5
59	MP3A	Z	60.895	4.5
60	MP3A	Mx	-.018	4.5
61	MP3B	X	35.158	2.5
62	MP3B	Z	60.895	2.5
63	MP3B	Mx	-.018	2.5
64	MP3B	X	35.158	4.5
65	MP3B	Z	60.895	4.5
66	MP3B	Mx	-.018	4.5
67	MP3C	X	16.234	2.5
68	MP3C	Z	28.118	2.5
69	MP3C	Mx	.016	2.5
70	MP3C	X	16.234	4.5
71	MP3C	Z	28.118	4.5
72	MP3C	Mx	.016	4.5
73	MP1A	X	30.261	4.25
74	MP1A	Z	52.414	4.25
75	MP1A	Mx	.015	4.25
76	MP1B	X	30.261	4.25
77	MP1B	Z	52.414	4.25
78	MP1B	Mx	.015	4.25
79	MP1C	X	22.056	4.25
80	MP1C	Z	38.203	4.25
81	MP1C	Mx	-.022	4.25
82	MP2A	X	29.214	4.25
83	MP2A	Z	50.6	4.25
84	MP2A	Mx	.015	4.25
85	MP2B	X	29.214	4.25
86	MP2B	Z	50.6	4.25
87	MP2B	Mx	.015	4.25
88	MP2C	X	17.866	4.25
89	MP2C	Z	30.944	4.25
90	MP2C	Mx	-.018	4.25
91	MP3A	X	15.312	4.25
92	MP3A	Z	26.521	4.25
93	MP3A	Mx	.008	4.25
94	MP3B	X	15.312	4.25
95	MP3B	Z	26.521	4.25
96	MP3B	Mx	.008	4.25
97	MP3C	X	8.842	4.25
98	MP3C	Z	15.314	4.25
99	MP3C	Mx	-.009	4.25
100	M113	X	71.639	1
101	M113	Z	124.083	1
102	M113	Mx	0	1
103	M113	X	71.639	1
104	M113	Z	124.083	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	162.864	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	6.5
5	MP1A	Z	162.864	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP1A	Mx	0	6.5
7	MP1B	X	0	.5
8	MP1B	Z	121.974	.5
9	MP1B	Mx	-.053	.5
10	MP1B	X	0	6.5
11	MP1B	Z	121.974	6.5
12	MP1B	Mx	-.053	6.5
13	MP1C	X	0	.5
14	MP1C	Z	121.974	.5
15	MP1C	Mx	.053	.5
16	MP1C	X	0	6.5
17	MP1C	Z	121.974	6.5
18	MP1C	Mx	.053	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	142.573	1.5
21	MP2A	Mx	-.083	1.5
22	MP2A	X	0	5.5
23	MP2A	Z	142.573	5.5
24	MP2A	Mx	-.083	5.5
25	MP2B	X	0	1.5
26	MP2B	Z	106.334	1.5
27	MP2B	Mx	-.015	1.5
28	MP2B	X	0	5.5
29	MP2B	Z	106.334	5.5
30	MP2B	Mx	-.015	5.5
31	MP2C	X	0	1.5
32	MP2C	Z	106.334	1.5
33	MP2C	Mx	.077	1.5
34	MP2C	X	0	5.5
35	MP2C	Z	106.334	5.5
36	MP2C	Mx	.077	5.5
37	MP2A	X	0	1.5
38	MP2A	Z	142.043	1.5
39	MP2A	Mx	.083	1.5
40	MP2A	X	0	5.5
41	MP2A	Z	142.043	5.5
42	MP2A	Mx	.083	5.5
43	MP2B	X	0	1.5
44	MP2B	Z	106.202	1.5
45	MP2B	Mx	-.077	1.5
46	MP2B	X	0	5.5
47	MP2B	Z	106.202	5.5
48	MP2B	Mx	-.077	5.5
49	MP2C	X	0	1.5
50	MP2C	Z	106.202	1.5
51	MP2C	Mx	.015	1.5
52	MP2C	X	0	5.5
53	MP2C	Z	106.202	5.5
54	MP2C	Mx	.015	5.5
55	MP3A	X	0	2.5
56	MP3A	Z	82.932	2.5
57	MP3A	Mx	0	2.5
58	MP3A	X	0	4.5
59	MP3A	Z	82.932	4.5
60	MP3A	Mx	0	4.5
61	MP3B	X	0	2.5
62	MP3B	Z	45.084	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
63	MP3B	Mx	-.02	2.5
64	MP3B	X	0	4.5
65	MP3B	Z	45.084	4.5
66	MP3B	Mx	-.02	4.5
67	MP3C	X	0	2.5
68	MP3C	Z	45.084	2.5
69	MP3C	Mx	.02	2.5
70	MP3C	X	0	4.5
71	MP3C	Z	45.084	4.5
72	MP3C	Mx	.02	4.5
73	MP1A	X	0	4.25
74	MP1A	Z	65.993	4.25
75	MP1A	Mx	0	4.25
76	MP1B	X	0	4.25
77	MP1B	Z	49.583	4.25
78	MP1B	Mx	.021	4.25
79	MP1C	X	0	4.25
80	MP1C	Z	49.583	4.25
81	MP1C	Mx	-.021	4.25
82	MP2A	X	0	4.25
83	MP2A	Z	65.993	4.25
84	MP2A	Mx	0	4.25
85	MP2B	X	0	4.25
86	MP2B	Z	43.297	4.25
87	MP2B	Mx	.019	4.25
88	MP2C	X	0	4.25
89	MP2C	Z	43.297	4.25
90	MP2C	Mx	-.019	4.25
91	MP3A	X	0	4.25
92	MP3A	Z	34.937	4.25
93	MP3A	Mx	0	4.25
94	MP3B	X	0	4.25
95	MP3B	Z	21.997	4.25
96	MP3B	Mx	.01	4.25
97	MP3C	X	0	4.25
98	MP3C	Z	21.997	4.25
99	MP3C	Mx	-.01	4.25
100	M113	X	0	1
101	M113	Z	134.787	1
102	M113	Mx	0	1
103	M113	X	0	1
104	M113	Z	134.787	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-74.617	.5
2	MP1A	Z	129.241	.5
3	MP1A	Mx	.037	.5
4	MP1A	X	-74.617	6.5
5	MP1A	Z	129.241	6.5
6	MP1A	Mx	.037	6.5
7	MP1B	X	-54.172	.5
8	MP1B	Z	93.828	.5
9	MP1B	Mx	-.054	.5
10	MP1B	X	-54.172	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
11	MP1B	Z	93.828	6.5
12	MP1B	Mx	-.054	6.5
13	MP1C	X	-74.617	.5
14	MP1C	Z	129.241	.5
15	MP1C	Mx	.037	.5
16	MP1C	X	-74.617	6.5
17	MP1C	Z	129.241	6.5
18	MP1C	Mx	.037	6.5
19	MP2A	X	-65.247	1.5
20	MP2A	Z	113.01	1.5
21	MP2A	Mx	-.033	1.5
22	MP2A	X	-65.247	5.5
23	MP2A	Z	113.01	5.5
24	MP2A	Mx	-.033	5.5
25	MP2B	X	-47.127	1.5
26	MP2B	Z	81.627	1.5
27	MP2B	Mx	-.047	1.5
28	MP2B	X	-47.127	5.5
29	MP2B	Z	81.627	5.5
30	MP2B	Mx	-.047	5.5
31	MP2C	X	-65.247	1.5
32	MP2C	Z	113.01	1.5
33	MP2C	Mx	.099	1.5
34	MP2C	X	-65.247	5.5
35	MP2C	Z	113.01	5.5
36	MP2C	Mx	.099	5.5
37	MP2A	X	-65.048	1.5
38	MP2A	Z	112.666	1.5
39	MP2A	Mx	.098	1.5
40	MP2A	X	-65.048	5.5
41	MP2A	Z	112.666	5.5
42	MP2A	Mx	.098	5.5
43	MP2B	X	-47.127	1.5
44	MP2B	Z	81.627	1.5
45	MP2B	Mx	-.047	1.5
46	MP2B	X	-47.127	5.5
47	MP2B	Z	81.627	5.5
48	MP2B	Mx	-.047	5.5
49	MP2C	X	-65.048	1.5
50	MP2C	Z	112.666	1.5
51	MP2C	Mx	-.033	1.5
52	MP2C	X	-65.048	5.5
53	MP2C	Z	112.666	5.5
54	MP2C	Mx	-.033	5.5
55	MP3A	X	-35.158	2.5
56	MP3A	Z	60.895	2.5
57	MP3A	Mx	.018	2.5
58	MP3A	X	-35.158	4.5
59	MP3A	Z	60.895	4.5
60	MP3A	Mx	.018	4.5
61	MP3B	X	-16.234	2.5
62	MP3B	Z	28.118	2.5
63	MP3B	Mx	-.016	2.5
64	MP3B	X	-16.234	4.5
65	MP3B	Z	28.118	4.5
66	MP3B	Mx	-.016	4.5
67	MP3C	X	-35.158	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
68	MP3C	Z	60.895	2.5
69	MP3C	Mx	.018	2.5
70	MP3C	X	-35.158	4.5
71	MP3C	Z	60.895	4.5
72	MP3C	Mx	.018	4.5
73	MP1A	X	-30.261	4.25
74	MP1A	Z	52.414	4.25
75	MP1A	Mx	-.015	4.25
76	MP1B	X	-22.056	4.25
77	MP1B	Z	38.203	4.25
78	MP1B	Mx	.022	4.25
79	MP1C	X	-30.261	4.25
80	MP1C	Z	52.414	4.25
81	MP1C	Mx	-.015	4.25
82	MP2A	X	-29.214	4.25
83	MP2A	Z	50.6	4.25
84	MP2A	Mx	-.015	4.25
85	MP2B	X	-17.866	4.25
86	MP2B	Z	30.944	4.25
87	MP2B	Mx	.018	4.25
88	MP2C	X	-29.214	4.25
89	MP2C	Z	50.6	4.25
90	MP2C	Mx	-.015	4.25
91	MP3A	X	-15.312	4.25
92	MP3A	Z	26.521	4.25
93	MP3A	Mx	-.008	4.25
94	MP3B	X	-8.842	4.25
95	MP3B	Z	15.314	4.25
96	MP3B	Mx	.009	4.25
97	MP3C	X	-15.312	4.25
98	MP3C	Z	26.521	4.25
99	MP3C	Mx	-.008	4.25
100	M113	X	-58.902	1
101	M113	Z	102.021	1
102	M113	Mx	0	1
103	M113	X	-58.902	1
104	M113	Z	102.021	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-105.633	.5
2	MP1A	Z	60.987	.5
3	MP1A	Mx	.053	.5
4	MP1A	X	-105.633	6.5
5	MP1A	Z	60.987	6.5
6	MP1A	Mx	.053	6.5
7	MP1B	X	-105.633	.5
8	MP1B	Z	60.987	.5
9	MP1B	Mx	-.053	.5
10	MP1B	X	-105.633	6.5
11	MP1B	Z	60.987	6.5
12	MP1B	Mx	-.053	6.5
13	MP1C	X	-141.045	.5
14	MP1C	Z	81.432	.5
15	MP1C	Mx	0	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
16	MP1C	X	-141.045	6.5
17	MP1C	Z	81.432	6.5
18	MP1C	Mx	0	6.5
19	MP2A	X	-92.088	1.5
20	MP2A	Z	53.167	1.5
21	MP2A	Mx	.015	1.5
22	MP2A	X	-92.088	5.5
23	MP2A	Z	53.167	5.5
24	MP2A	Mx	.015	5.5
25	MP2B	X	-92.088	1.5
26	MP2B	Z	53.167	1.5
27	MP2B	Mx	-.077	1.5
28	MP2B	X	-92.088	5.5
29	MP2B	Z	53.167	5.5
30	MP2B	Mx	-.077	5.5
31	MP2C	X	-123.471	1.5
32	MP2C	Z	71.286	1.5
33	MP2C	Mx	.083	1.5
34	MP2C	X	-123.471	5.5
35	MP2C	Z	71.286	5.5
36	MP2C	Mx	.083	5.5
37	MP2A	X	-91.973	1.5
38	MP2A	Z	53.101	1.5
39	MP2A	Mx	.077	1.5
40	MP2A	X	-91.973	5.5
41	MP2A	Z	53.101	5.5
42	MP2A	Mx	.077	5.5
43	MP2B	X	-91.973	1.5
44	MP2B	Z	53.101	1.5
45	MP2B	Mx	-.015	1.5
46	MP2B	X	-91.973	5.5
47	MP2B	Z	53.101	5.5
48	MP2B	Mx	-.015	5.5
49	MP2C	X	-123.013	1.5
50	MP2C	Z	71.022	1.5
51	MP2C	Mx	-.083	1.5
52	MP2C	X	-123.013	5.5
53	MP2C	Z	71.022	5.5
54	MP2C	Mx	-.083	5.5
55	MP3A	X	-39.044	2.5
56	MP3A	Z	22.542	2.5
57	MP3A	Mx	.02	2.5
58	MP3A	X	-39.044	4.5
59	MP3A	Z	22.542	4.5
60	MP3A	Mx	.02	4.5
61	MP3B	X	-39.044	2.5
62	MP3B	Z	22.542	2.5
63	MP3B	Mx	-.02	2.5
64	MP3B	X	-39.044	4.5
65	MP3B	Z	22.542	4.5
66	MP3B	Mx	-.02	4.5
67	MP3C	X	-71.821	2.5
68	MP3C	Z	41.466	2.5
69	MP3C	Mx	0	2.5
70	MP3C	X	-71.821	4.5
71	MP3C	Z	41.466	4.5
72	MP3C	Mx	0	4.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1A	X	-42.94	4.25
74	MP1A	Z	24.791	4.25
75	MP1A	Mx	-.021	4.25
76	MP1B	X	-42.94	4.25
77	MP1B	Z	24.791	4.25
78	MP1B	Mx	.021	4.25
79	MP1C	X	-57.151	4.25
80	MP1C	Z	32.996	4.25
81	MP1C	Mx	0	4.25
82	MP2A	X	-37.496	4.25
83	MP2A	Z	21.648	4.25
84	MP2A	Mx	-.019	4.25
85	MP2B	X	-37.496	4.25
86	MP2B	Z	21.648	4.25
87	MP2B	Mx	.019	4.25
88	MP2C	X	-57.151	4.25
89	MP2C	Z	32.996	4.25
90	MP2C	Mx	0	4.25
91	MP3A	X	-19.05	4.25
92	MP3A	Z	10.998	4.25
93	MP3A	Mx	-.01	4.25
94	MP3B	X	-19.05	4.25
95	MP3B	Z	10.998	4.25
96	MP3B	Mx	.01	4.25
97	MP3C	X	-30.257	4.25
98	MP3C	Z	17.469	4.25
99	MP3C	Mx	0	4.25
100	M113	X	-94.667	1
101	M113	Z	54.656	1
102	M113	Mx	0	1
103	M113	X	-94.667	1
104	M113	Z	54.656	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-108.344	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.054	.5
4	MP1A	X	-108.344	6.5
5	MP1A	Z	0	6.5
6	MP1A	Mx	.054	6.5
7	MP1B	X	-149.234	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.037	.5
10	MP1B	X	-149.234	6.5
11	MP1B	Z	0	6.5
12	MP1B	Mx	-.037	6.5
13	MP1C	X	-149.234	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.037	.5
16	MP1C	X	-149.234	6.5
17	MP1C	Z	0	6.5
18	MP1C	Mx	-.037	6.5
19	MP2A	X	-94.254	1.5
20	MP2A	Z	0	1.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	.047	1.5
22	MP2A	X	-94.254	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.047	5.5
25	MP2B	X	-130.493	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.099	1.5
28	MP2B	X	-130.493	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.099	5.5
31	MP2C	X	-130.493	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	.033	1.5
34	MP2C	X	-130.493	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.033	5.5
37	MP2A	X	-94.254	1.5
38	MP2A	Z	0	1.5
39	MP2A	Mx	.047	1.5
40	MP2A	X	-94.254	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	.047	5.5
43	MP2B	X	-130.096	1.5
44	MP2B	Z	0	1.5
45	MP2B	Mx	.033	1.5
46	MP2B	X	-130.096	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.033	5.5
49	MP2C	X	-130.096	1.5
50	MP2C	Z	0	1.5
51	MP2C	Mx	-.098	1.5
52	MP2C	X	-130.096	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	-.098	5.5
55	MP3A	X	-32.468	2.5
56	MP3A	Z	0	2.5
57	MP3A	Mx	.016	2.5
58	MP3A	X	-32.468	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	.016	4.5
61	MP3B	X	-70.316	2.5
62	MP3B	Z	0	2.5
63	MP3B	Mx	-.018	2.5
64	MP3B	X	-70.316	4.5
65	MP3B	Z	0	4.5
66	MP3B	Mx	-.018	4.5
67	MP3C	X	-70.316	2.5
68	MP3C	Z	0	2.5
69	MP3C	Mx	-.018	2.5
70	MP3C	X	-70.316	4.5
71	MP3C	Z	0	4.5
72	MP3C	Mx	-.018	4.5
73	MP1A	X	-44.113	4.25
74	MP1A	Z	0	4.25
75	MP1A	Mx	-.022	4.25
76	MP1B	X	-60.523	4.25
77	MP1B	Z	0	4.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
78	MP1B	Mx	.015	4.25
79	MP1C	X	-60.523	4.25
80	MP1C	Z	0	4.25
81	MP1C	Mx	.015	4.25
82	MP2A	X	-35.731	4.25
83	MP2A	Z	0	4.25
84	MP2A	Mx	-.018	4.25
85	MP2B	X	-58.427	4.25
86	MP2B	Z	0	4.25
87	MP2B	Mx	.015	4.25
88	MP2C	X	-58.427	4.25
89	MP2C	Z	0	4.25
90	MP2C	Mx	.015	4.25
91	MP3A	X	-17.683	4.25
92	MP3A	Z	0	4.25
93	MP3A	Mx	-.009	4.25
94	MP3B	X	-30.624	4.25
95	MP3B	Z	0	4.25
96	MP3B	Mx	.008	4.25
97	MP3C	X	-30.624	4.25
98	MP3C	Z	0	4.25
99	MP3C	Mx	.008	4.25
100	M113	X	-117.803	1
101	M113	Z	0	1
102	M113	Mx	0	1
103	M113	X	-117.803	1
104	M113	Z	0	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-105.633	.5
2	MP1A	Z	-60.987	.5
3	MP1A	Mx	.053	.5
4	MP1A	X	-105.633	6.5
5	MP1A	Z	-60.987	6.5
6	MP1A	Mx	.053	6.5
7	MP1B	X	-141.045	.5
8	MP1B	Z	-81.432	.5
9	MP1B	Mx	0	.5
10	MP1B	X	-141.045	6.5
11	MP1B	Z	-81.432	6.5
12	MP1B	Mx	0	6.5
13	MP1C	X	-105.633	.5
14	MP1C	Z	-60.987	.5
15	MP1C	Mx	-.053	.5
16	MP1C	X	-105.633	6.5
17	MP1C	Z	-60.987	6.5
18	MP1C	Mx	-.053	6.5
19	MP2A	X	-92.088	1.5
20	MP2A	Z	-53.167	1.5
21	MP2A	Mx	.077	1.5
22	MP2A	X	-92.088	5.5
23	MP2A	Z	-53.167	5.5
24	MP2A	Mx	.077	5.5
25	MP2B	X	-123.471	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
26	MP2B	Z	-71.286	1.5
27	MP2B	Mx	-.083	1.5
28	MP2B	X	-123.471	5.5
29	MP2B	Z	-71.286	5.5
30	MP2B	Mx	-.083	5.5
31	MP2C	X	-92.088	1.5
32	MP2C	Z	-53.167	1.5
33	MP2C	Mx	-.015	1.5
34	MP2C	X	-92.088	5.5
35	MP2C	Z	-53.167	5.5
36	MP2C	Mx	-.015	5.5
37	MP2A	X	-91.973	1.5
38	MP2A	Z	-53.101	1.5
39	MP2A	Mx	.015	1.5
40	MP2A	X	-91.973	5.5
41	MP2A	Z	-53.101	5.5
42	MP2A	Mx	.015	5.5
43	MP2B	X	-123.013	1.5
44	MP2B	Z	-71.022	1.5
45	MP2B	Mx	.083	1.5
46	MP2B	X	-123.013	5.5
47	MP2B	Z	-71.022	5.5
48	MP2B	Mx	.083	5.5
49	MP2C	X	-91.973	1.5
50	MP2C	Z	-53.101	1.5
51	MP2C	Mx	-.077	1.5
52	MP2C	X	-91.973	5.5
53	MP2C	Z	-53.101	5.5
54	MP2C	Mx	-.077	5.5
55	MP3A	X	-39.044	2.5
56	MP3A	Z	-22.542	2.5
57	MP3A	Mx	.02	2.5
58	MP3A	X	-39.044	4.5
59	MP3A	Z	-22.542	4.5
60	MP3A	Mx	.02	4.5
61	MP3B	X	-71.821	2.5
62	MP3B	Z	-41.466	2.5
63	MP3B	Mx	0	2.5
64	MP3B	X	-71.821	4.5
65	MP3B	Z	-41.466	4.5
66	MP3B	Mx	0	4.5
67	MP3C	X	-39.044	2.5
68	MP3C	Z	-22.542	2.5
69	MP3C	Mx	-.02	2.5
70	MP3C	X	-39.044	4.5
71	MP3C	Z	-22.542	4.5
72	MP3C	Mx	-.02	4.5
73	MP1A	X	-42.94	4.25
74	MP1A	Z	-24.791	4.25
75	MP1A	Mx	-.021	4.25
76	MP1B	X	-57.151	4.25
77	MP1B	Z	-32.996	4.25
78	MP1B	Mx	0	4.25
79	MP1C	X	-42.94	4.25
80	MP1C	Z	-24.791	4.25
81	MP1C	Mx	.021	4.25
82	MP2A	X	-37.496	4.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP2A	Z	-21.648	4.25
84	MP2A	Mx	-.019	4.25
85	MP2B	X	-57.151	4.25
86	MP2B	Z	-32.996	4.25
87	MP2B	Mx	0	4.25
88	MP2C	X	-37.496	4.25
89	MP2C	Z	-21.648	4.25
90	MP2C	Mx	.019	4.25
91	MP3A	X	-19.05	4.25
92	MP3A	Z	-10.998	4.25
93	MP3A	Mx	-.01	4.25
94	MP3B	X	-30.257	4.25
95	MP3B	Z	-17.469	4.25
96	MP3B	Mx	0	4.25
97	MP3C	X	-19.05	4.25
98	MP3C	Z	-10.998	4.25
99	MP3C	Mx	.01	4.25
100	M113	X	-116.729	1
101	M113	Z	-67.393	1
102	M113	Mx	0	1
103	M113	X	-116.729	1
104	M113	Z	-67.393	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-74.617	.5
2	MP1A	Z	-129.241	.5
3	MP1A	Mx	.037	.5
4	MP1A	X	-74.617	6.5
5	MP1A	Z	-129.241	6.5
6	MP1A	Mx	.037	6.5
7	MP1B	X	-74.617	.5
8	MP1B	Z	-129.241	.5
9	MP1B	Mx	.037	.5
10	MP1B	X	-74.617	6.5
11	MP1B	Z	-129.241	6.5
12	MP1B	Mx	.037	6.5
13	MP1C	X	-54.172	.5
14	MP1C	Z	-93.828	.5
15	MP1C	Mx	-.054	.5
16	MP1C	X	-54.172	6.5
17	MP1C	Z	-93.828	6.5
18	MP1C	Mx	-.054	6.5
19	MP2A	X	-65.247	1.5
20	MP2A	Z	-113.01	1.5
21	MP2A	Mx	.099	1.5
22	MP2A	X	-65.247	5.5
23	MP2A	Z	-113.01	5.5
24	MP2A	Mx	.099	5.5
25	MP2B	X	-65.247	1.5
26	MP2B	Z	-113.01	1.5
27	MP2B	Mx	-.033	1.5
28	MP2B	X	-65.247	5.5
29	MP2B	Z	-113.01	5.5
30	MP2B	Mx	-.033	5.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	-47.127	1.5
32	MP2C	Z	-81.627	1.5
33	MP2C	Mx	-.047	1.5
34	MP2C	X	-47.127	5.5
35	MP2C	Z	-81.627	5.5
36	MP2C	Mx	-.047	5.5
37	MP2A	X	-65.048	1.5
38	MP2A	Z	-112.666	1.5
39	MP2A	Mx	-.033	1.5
40	MP2A	X	-65.048	5.5
41	MP2A	Z	-112.666	5.5
42	MP2A	Mx	-.033	5.5
43	MP2B	X	-65.048	1.5
44	MP2B	Z	-112.666	1.5
45	MP2B	Mx	.098	1.5
46	MP2B	X	-65.048	5.5
47	MP2B	Z	-112.666	5.5
48	MP2B	Mx	.098	5.5
49	MP2C	X	-47.127	1.5
50	MP2C	Z	-81.627	1.5
51	MP2C	Mx	-.047	1.5
52	MP2C	X	-47.127	5.5
53	MP2C	Z	-81.627	5.5
54	MP2C	Mx	-.047	5.5
55	MP3A	X	-35.158	2.5
56	MP3A	Z	-60.895	2.5
57	MP3A	Mx	.018	2.5
58	MP3A	X	-35.158	4.5
59	MP3A	Z	-60.895	4.5
60	MP3A	Mx	.018	4.5
61	MP3B	X	-35.158	2.5
62	MP3B	Z	-60.895	2.5
63	MP3B	Mx	.018	2.5
64	MP3B	X	-35.158	4.5
65	MP3B	Z	-60.895	4.5
66	MP3B	Mx	.018	4.5
67	MP3C	X	-16.234	2.5
68	MP3C	Z	-28.118	2.5
69	MP3C	Mx	-.016	2.5
70	MP3C	X	-16.234	4.5
71	MP3C	Z	-28.118	4.5
72	MP3C	Mx	-.016	4.5
73	MP1A	X	-30.261	4.25
74	MP1A	Z	-52.414	4.25
75	MP1A	Mx	-.015	4.25
76	MP1B	X	-30.261	4.25
77	MP1B	Z	-52.414	4.25
78	MP1B	Mx	-.015	4.25
79	MP1C	X	-22.056	4.25
80	MP1C	Z	-38.203	4.25
81	MP1C	Mx	.022	4.25
82	MP2A	X	-29.214	4.25
83	MP2A	Z	-50.6	4.25
84	MP2A	Mx	-.015	4.25
85	MP2B	X	-29.214	4.25
86	MP2B	Z	-50.6	4.25
87	MP2B	Mx	-.015	4.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
88	MP2C	X	-17.866	4.25
89	MP2C	Z	-30.944	4.25
90	MP2C	Mx	.018	4.25
91	MP3A	X	-15.312	4.25
92	MP3A	Z	-26.521	4.25
93	MP3A	Mx	-.008	4.25
94	MP3B	X	-15.312	4.25
95	MP3B	Z	-26.521	4.25
96	MP3B	Mx	-.008	4.25
97	MP3C	X	-8.842	4.25
98	MP3C	Z	-15.314	4.25
99	MP3C	Mx	.009	4.25
100	M113	X	-71.639	1
101	M113	Z	-124.083	1
102	M113	Mx	0	1
103	M113	X	-71.639	1
104	M113	Z	-124.083	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-33.766	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	6.5
5	MP1A	Z	-33.766	6.5
6	MP1A	Mx	0	6.5
7	MP1B	X	0	.5
8	MP1B	Z	-25.911	.5
9	MP1B	Mx	.011	.5
10	MP1B	X	0	6.5
11	MP1B	Z	-25.911	6.5
12	MP1B	Mx	.011	6.5
13	MP1C	X	0	.5
14	MP1C	Z	-25.911	.5
15	MP1C	Mx	-.011	.5
16	MP1C	X	0	6.5
17	MP1C	Z	-25.911	6.5
18	MP1C	Mx	-.011	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	-29.627	1.5
21	MP2A	Mx	.017	1.5
22	MP2A	X	0	5.5
23	MP2A	Z	-29.627	5.5
24	MP2A	Mx	.017	5.5
25	MP2B	X	0	1.5
26	MP2B	Z	-22.707	1.5
27	MP2B	Mx	.003	1.5
28	MP2B	X	0	5.5
29	MP2B	Z	-22.707	5.5
30	MP2B	Mx	.003	5.5
31	MP2C	X	0	1.5
32	MP2C	Z	-22.707	1.5
33	MP2C	Mx	-.016	1.5
34	MP2C	X	0	5.5
35	MP2C	Z	-22.707	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP2C	Mx	-.016	5.5
37	MP2A	X	0	1.5
38	MP2A	Z	-29.627	1.5
39	MP2A	Mx	-.017	1.5
40	MP2A	X	0	5.5
41	MP2A	Z	-29.627	5.5
42	MP2A	Mx	-.017	5.5
43	MP2B	X	0	1.5
44	MP2B	Z	-22.707	1.5
45	MP2B	Mx	.016	1.5
46	MP2B	X	0	5.5
47	MP2B	Z	-22.707	5.5
48	MP2B	Mx	.016	5.5
49	MP2C	X	0	1.5
50	MP2C	Z	-22.707	1.5
51	MP2C	Mx	-.003	1.5
52	MP2C	X	0	5.5
53	MP2C	Z	-22.707	5.5
54	MP2C	Mx	-.003	5.5
55	MP3A	X	0	2.5
56	MP3A	Z	-17.637	2.5
57	MP3A	Mx	0	2.5
58	MP3A	X	0	4.5
59	MP3A	Z	-17.637	4.5
60	MP3A	Mx	0	4.5
61	MP3B	X	0	2.5
62	MP3B	Z	-10.027	2.5
63	MP3B	Mx	.004	2.5
64	MP3B	X	0	4.5
65	MP3B	Z	-10.027	4.5
66	MP3B	Mx	.004	4.5
67	MP3C	X	0	2.5
68	MP3C	Z	-10.027	2.5
69	MP3C	Mx	-.004	2.5
70	MP3C	X	0	4.5
71	MP3C	Z	-10.027	4.5
72	MP3C	Mx	-.004	4.5
73	MP1A	X	0	4.25
74	MP1A	Z	-14.835	4.25
75	MP1A	Mx	0	4.25
76	MP1B	X	0	4.25
77	MP1B	Z	-11.437	4.25
78	MP1B	Mx	-.005	4.25
79	MP1C	X	0	4.25
80	MP1C	Z	-11.437	4.25
81	MP1C	Mx	.005	4.25
82	MP2A	X	0	4.25
83	MP2A	Z	-14.835	4.25
84	MP2A	Mx	0	4.25
85	MP2B	X	0	4.25
86	MP2B	Z	-10.146	4.25
87	MP2B	Mx	-.004	4.25
88	MP2C	X	0	4.25
89	MP2C	Z	-10.146	4.25
90	MP2C	Mx	.004	4.25
91	MP3A	X	0	4.25
92	MP3A	Z	-8.431	4.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP3A	Mx	0	4.25
94	MP3B	X	0	4.25
95	MP3B	Z	-5.644	4.25
96	MP3B	Mx	-.002	4.25
97	MP3C	X	0	4.25
98	MP3C	Z	-5.644	4.25
99	MP3C	Mx	.002	4.25
100	M113	X	0	1
101	M113	Z	-28.873	1
102	M113	Mx	0	1
103	M113	X	0	1
104	M113	Z	-28.873	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	15.574	.5
2	MP1A	Z	-26.975	.5
3	MP1A	Mx	-.008	.5
4	MP1A	X	15.574	6.5
5	MP1A	Z	-26.975	6.5
6	MP1A	Mx	-.008	6.5
7	MP1B	X	11.647	.5
8	MP1B	Z	-20.172	.5
9	MP1B	Mx	.012	.5
10	MP1B	X	11.647	6.5
11	MP1B	Z	-20.172	6.5
12	MP1B	Mx	.012	6.5
13	MP1C	X	15.574	.5
14	MP1C	Z	-26.975	.5
15	MP1C	Mx	-.008	.5
16	MP1C	X	15.574	6.5
17	MP1C	Z	-26.975	6.5
18	MP1C	Mx	-.008	6.5
19	MP2A	X	13.66	1.5
20	MP2A	Z	-23.66	1.5
21	MP2A	Mx	.007	1.5
22	MP2A	X	13.66	5.5
23	MP2A	Z	-23.66	5.5
24	MP2A	Mx	.007	5.5
25	MP2B	X	10.201	1.5
26	MP2B	Z	-17.668	1.5
27	MP2B	Mx	.01	1.5
28	MP2B	X	10.201	5.5
29	MP2B	Z	-17.668	5.5
30	MP2B	Mx	.01	5.5
31	MP2C	X	13.66	1.5
32	MP2C	Z	-23.66	1.5
33	MP2C	Mx	-.021	1.5
34	MP2C	X	13.66	5.5
35	MP2C	Z	-23.66	5.5
36	MP2C	Mx	-.021	5.5
37	MP2A	X	13.66	1.5
38	MP2A	Z	-23.66	1.5
39	MP2A	Mx	-.021	1.5
40	MP2A	X	13.66	5.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP2A	Z	-23.66	5.5
42	MP2A	Mx	-.021	5.5
43	MP2B	X	10.201	1.5
44	MP2B	Z	-17.668	1.5
45	MP2B	Mx	.01	1.5
46	MP2B	X	10.201	5.5
47	MP2B	Z	-17.668	5.5
48	MP2B	Mx	.01	5.5
49	MP2C	X	13.66	1.5
50	MP2C	Z	-23.66	1.5
51	MP2C	Mx	.007	1.5
52	MP2C	X	13.66	5.5
53	MP2C	Z	-23.66	5.5
54	MP2C	Mx	.007	5.5
55	MP3A	X	7.55	2.5
56	MP3A	Z	-13.077	2.5
57	MP3A	Mx	-.004	2.5
58	MP3A	X	7.55	4.5
59	MP3A	Z	-13.077	4.5
60	MP3A	Mx	-.004	4.5
61	MP3B	X	3.745	2.5
62	MP3B	Z	-6.486	2.5
63	MP3B	Mx	.004	2.5
64	MP3B	X	3.745	4.5
65	MP3B	Z	-6.486	4.5
66	MP3B	Mx	.004	4.5
67	MP3C	X	7.55	2.5
68	MP3C	Z	-13.077	2.5
69	MP3C	Mx	-.004	2.5
70	MP3C	X	7.55	4.5
71	MP3C	Z	-13.077	4.5
72	MP3C	Mx	-.004	4.5
73	MP1A	X	6.851	4.25
74	MP1A	Z	-11.867	4.25
75	MP1A	Mx	.003	4.25
76	MP1B	X	5.152	4.25
77	MP1B	Z	-8.924	4.25
78	MP1B	Mx	-.005	4.25
79	MP1C	X	6.851	4.25
80	MP1C	Z	-11.867	4.25
81	MP1C	Mx	.003	4.25
82	MP2A	X	6.636	4.25
83	MP2A	Z	-11.494	4.25
84	MP2A	Mx	.003	4.25
85	MP2B	X	4.292	4.25
86	MP2B	Z	-7.433	4.25
87	MP2B	Mx	-.004	4.25
88	MP2C	X	6.636	4.25
89	MP2C	Z	-11.494	4.25
90	MP2C	Mx	.003	4.25
91	MP3A	X	3.751	4.25
92	MP3A	Z	-6.497	4.25
93	MP3A	Mx	.002	4.25
94	MP3B	X	2.357	4.25
95	MP3B	Z	-4.083	4.25
96	MP3B	Mx	-.002	4.25
97	MP3C	X	3.751	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
98	MP3C	Z	-6.497	4.25
99	MP3C	Mx	.002	4.25
100	M113	X	12.767	1
101	M113	Z	-22.113	1
102	M113	Mx	0	1
103	M113	X	12.767	1
104	M113	Z	-22.113	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	22.44	.5
2	MP1A	Z	-12.956	.5
3	MP1A	Mx	-.011	.5
4	MP1A	X	22.44	6.5
5	MP1A	Z	-12.956	6.5
6	MP1A	Mx	-.011	6.5
7	MP1B	X	22.44	.5
8	MP1B	Z	-12.956	.5
9	MP1B	Mx	.011	.5
10	MP1B	X	22.44	6.5
11	MP1B	Z	-12.956	6.5
12	MP1B	Mx	.011	6.5
13	MP1C	X	29.243	.5
14	MP1C	Z	-16.883	.5
15	MP1C	Mx	0	.5
16	MP1C	X	29.243	6.5
17	MP1C	Z	-16.883	6.5
18	MP1C	Mx	0	6.5
19	MP2A	X	19.665	1.5
20	MP2A	Z	-11.354	1.5
21	MP2A	Mx	-.003	1.5
22	MP2A	X	19.665	5.5
23	MP2A	Z	-11.354	5.5
24	MP2A	Mx	-.003	5.5
25	MP2B	X	19.665	1.5
26	MP2B	Z	-11.354	1.5
27	MP2B	Mx	.016	1.5
28	MP2B	X	19.665	5.5
29	MP2B	Z	-11.354	5.5
30	MP2B	Mx	.016	5.5
31	MP2C	X	25.658	1.5
32	MP2C	Z	-14.813	1.5
33	MP2C	Mx	-.017	1.5
34	MP2C	X	25.658	5.5
35	MP2C	Z	-14.813	5.5
36	MP2C	Mx	-.017	5.5
37	MP2A	X	19.665	1.5
38	MP2A	Z	-11.354	1.5
39	MP2A	Mx	-.016	1.5
40	MP2A	X	19.665	5.5
41	MP2A	Z	-11.354	5.5
42	MP2A	Mx	-.016	5.5
43	MP2B	X	19.665	1.5
44	MP2B	Z	-11.354	1.5
45	MP2B	Mx	.003	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
46	MP2B	X	19.665	5.5
47	MP2B	Z	-11.354	5.5
48	MP2B	Mx	.003	5.5
49	MP2C	X	25.658	1.5
50	MP2C	Z	-14.813	1.5
51	MP2C	Mx	.017	1.5
52	MP2C	X	25.658	5.5
53	MP2C	Z	-14.813	5.5
54	MP2C	Mx	.017	5.5
55	MP3A	X	8.683	2.5
56	MP3A	Z	-5.013	2.5
57	MP3A	Mx	-.004	2.5
58	MP3A	X	8.683	4.5
59	MP3A	Z	-5.013	4.5
60	MP3A	Mx	-.004	4.5
61	MP3B	X	8.683	2.5
62	MP3B	Z	-5.013	2.5
63	MP3B	Mx	.004	2.5
64	MP3B	X	8.683	4.5
65	MP3B	Z	-5.013	4.5
66	MP3B	Mx	.004	4.5
67	MP3C	X	15.274	2.5
68	MP3C	Z	-8.818	2.5
69	MP3C	Mx	0	2.5
70	MP3C	X	15.274	4.5
71	MP3C	Z	-8.818	4.5
72	MP3C	Mx	0	4.5
73	MP1A	X	9.905	4.25
74	MP1A	Z	-5.719	4.25
75	MP1A	Mx	.005	4.25
76	MP1B	X	9.905	4.25
77	MP1B	Z	-5.719	4.25
78	MP1B	Mx	-.005	4.25
79	MP1C	X	12.848	4.25
80	MP1C	Z	-7.418	4.25
81	MP1C	Mx	0	4.25
82	MP2A	X	8.787	4.25
83	MP2A	Z	-5.073	4.25
84	MP2A	Mx	.004	4.25
85	MP2B	X	8.787	4.25
86	MP2B	Z	-5.073	4.25
87	MP2B	Mx	-.004	4.25
88	MP2C	X	12.848	4.25
89	MP2C	Z	-7.418	4.25
90	MP2C	Mx	0	4.25
91	MP3A	X	4.888	4.25
92	MP3A	Z	-2.822	4.25
93	MP3A	Mx	.002	4.25
94	MP3B	X	4.888	4.25
95	MP3B	Z	-2.822	4.25
96	MP3B	Mx	-.002	4.25
97	MP3C	X	7.301	4.25
98	MP3C	Z	-4.215	4.25
99	MP3C	Mx	0	4.25
100	M113	X	20.667	1
101	M113	Z	-11.932	1
102	M113	Mx	0	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	M113	X	20.667	1
104	M113	Z	-11.932	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	23.293	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.012	.5
4	MP1A	X	23.293	6.5
5	MP1A	Z	0	6.5
6	MP1A	Mx	-.012	6.5
7	MP1B	X	31.148	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.008	.5
10	MP1B	X	31.148	6.5
11	MP1B	Z	0	6.5
12	MP1B	Mx	.008	6.5
13	MP1C	X	31.148	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.008	.5
16	MP1C	X	31.148	6.5
17	MP1C	Z	0	6.5
18	MP1C	Mx	.008	6.5
19	MP2A	X	20.401	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.01	1.5
22	MP2A	X	20.401	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.01	5.5
25	MP2B	X	27.32	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.021	1.5
28	MP2B	X	27.32	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.021	5.5
31	MP2C	X	27.32	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	-.007	1.5
34	MP2C	X	27.32	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.007	5.5
37	MP2A	X	20.401	1.5
38	MP2A	Z	0	1.5
39	MP2A	Mx	-.01	1.5
40	MP2A	X	20.401	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	-.01	5.5
43	MP2B	X	27.32	1.5
44	MP2B	Z	0	1.5
45	MP2B	Mx	-.007	1.5
46	MP2B	X	27.32	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	-.007	5.5
49	MP2C	X	27.32	1.5
50	MP2C	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
51	MP2C	Mx	.021	1.5
52	MP2C	X	27.32	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	.021	5.5
55	MP3A	X	7.49	2.5
56	MP3A	Z	0	2.5
57	MP3A	Mx	-.004	2.5
58	MP3A	X	7.49	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	-.004	4.5
61	MP3B	X	15.1	2.5
62	MP3B	Z	0	2.5
63	MP3B	Mx	.004	2.5
64	MP3B	X	15.1	4.5
65	MP3B	Z	0	4.5
66	MP3B	Mx	.004	4.5
67	MP3C	X	15.1	2.5
68	MP3C	Z	0	2.5
69	MP3C	Mx	.004	2.5
70	MP3C	X	15.1	4.5
71	MP3C	Z	0	4.5
72	MP3C	Mx	.004	4.5
73	MP1A	X	10.305	4.25
74	MP1A	Z	0	4.25
75	MP1A	Mx	.005	4.25
76	MP1B	X	13.703	4.25
77	MP1B	Z	0	4.25
78	MP1B	Mx	-.003	4.25
79	MP1C	X	13.703	4.25
80	MP1C	Z	0	4.25
81	MP1C	Mx	-.003	4.25
82	MP2A	X	8.583	4.25
83	MP2A	Z	0	4.25
84	MP2A	Mx	.004	4.25
85	MP2B	X	13.272	4.25
86	MP2B	Z	0	4.25
87	MP2B	Mx	-.003	4.25
88	MP2C	X	13.272	4.25
89	MP2C	Z	0	4.25
90	MP2C	Mx	-.003	4.25
91	MP3A	X	4.715	4.25
92	MP3A	Z	0	4.25
93	MP3A	Mx	.002	4.25
94	MP3B	X	7.502	4.25
95	MP3B	Z	0	4.25
96	MP3B	Mx	-.002	4.25
97	MP3C	X	7.502	4.25
98	MP3C	Z	0	4.25
99	MP3C	Mx	-.002	4.25
100	M113	X	25.534	1
101	M113	Z	0	1
102	M113	Mx	0	1
103	M113	X	25.534	1
104	M113	Z	0	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	22.44	.5
2	MP1A	Z	12.956	.5
3	MP1A	Mx	-.011	.5
4	MP1A	X	22.44	6.5
5	MP1A	Z	12.956	6.5
6	MP1A	Mx	-.011	6.5
7	MP1B	X	29.243	.5
8	MP1B	Z	16.883	.5
9	MP1B	Mx	0	.5
10	MP1B	X	29.243	6.5
11	MP1B	Z	16.883	6.5
12	MP1B	Mx	0	6.5
13	MP1C	X	22.44	.5
14	MP1C	Z	12.956	.5
15	MP1C	Mx	.011	.5
16	MP1C	X	22.44	6.5
17	MP1C	Z	12.956	6.5
18	MP1C	Mx	.011	6.5
19	MP2A	X	19.665	1.5
20	MP2A	Z	11.354	1.5
21	MP2A	Mx	-.016	1.5
22	MP2A	X	19.665	5.5
23	MP2A	Z	11.354	5.5
24	MP2A	Mx	-.016	5.5
25	MP2B	X	25.658	1.5
26	MP2B	Z	14.813	1.5
27	MP2B	Mx	.017	1.5
28	MP2B	X	25.658	5.5
29	MP2B	Z	14.813	5.5
30	MP2B	Mx	.017	5.5
31	MP2C	X	19.665	1.5
32	MP2C	Z	11.354	1.5
33	MP2C	Mx	.003	1.5
34	MP2C	X	19.665	5.5
35	MP2C	Z	11.354	5.5
36	MP2C	Mx	.003	5.5
37	MP2A	X	19.665	1.5
38	MP2A	Z	11.354	1.5
39	MP2A	Mx	-.003	1.5
40	MP2A	X	19.665	5.5
41	MP2A	Z	11.354	5.5
42	MP2A	Mx	-.003	5.5
43	MP2B	X	25.658	1.5
44	MP2B	Z	14.813	1.5
45	MP2B	Mx	-.017	1.5
46	MP2B	X	25.658	5.5
47	MP2B	Z	14.813	5.5
48	MP2B	Mx	-.017	5.5
49	MP2C	X	19.665	1.5
50	MP2C	Z	11.354	1.5
51	MP2C	Mx	.016	1.5
52	MP2C	X	19.665	5.5
53	MP2C	Z	11.354	5.5
54	MP2C	Mx	.016	5.5
55	MP3A	X	8.683	2.5
56	MP3A	Z	5.013	2.5
57	MP3A	Mx	-.004	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP3A	X	8.683	4.5
59	MP3A	Z	5.013	4.5
60	MP3A	Mx	-.004	4.5
61	MP3B	X	15.274	2.5
62	MP3B	Z	8.818	2.5
63	MP3B	Mx	0	2.5
64	MP3B	X	15.274	4.5
65	MP3B	Z	8.818	4.5
66	MP3B	Mx	0	4.5
67	MP3C	X	8.683	2.5
68	MP3C	Z	5.013	2.5
69	MP3C	Mx	.004	2.5
70	MP3C	X	8.683	4.5
71	MP3C	Z	5.013	4.5
72	MP3C	Mx	.004	4.5
73	MP1A	X	9.905	4.25
74	MP1A	Z	5.719	4.25
75	MP1A	Mx	.005	4.25
76	MP1B	X	12.848	4.25
77	MP1B	Z	7.418	4.25
78	MP1B	Mx	0	4.25
79	MP1C	X	9.905	4.25
80	MP1C	Z	5.719	4.25
81	MP1C	Mx	-.005	4.25
82	MP2A	X	8.787	4.25
83	MP2A	Z	5.073	4.25
84	MP2A	Mx	.004	4.25
85	MP2B	X	12.848	4.25
86	MP2B	Z	7.418	4.25
87	MP2B	Mx	0	4.25
88	MP2C	X	8.787	4.25
89	MP2C	Z	5.073	4.25
90	MP2C	Mx	-.004	4.25
91	MP3A	X	4.888	4.25
92	MP3A	Z	2.822	4.25
93	MP3A	Mx	.002	4.25
94	MP3B	X	7.301	4.25
95	MP3B	Z	4.215	4.25
96	MP3B	Mx	0	4.25
97	MP3C	X	4.888	4.25
98	MP3C	Z	2.822	4.25
99	MP3C	Mx	-.002	4.25
100	M113	X	25.004	1
101	M113	Z	14.436	1
102	M113	Mx	0	1
103	M113	X	25.004	1
104	M113	Z	14.436	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	15.574	.5
2	MP1A	Z	26.975	.5
3	MP1A	Mx	-.008	.5
4	MP1A	X	15.574	6.5
5	MP1A	Z	26.975	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP1A	Mx	-.008	6.5
7	MP1B	X	15.574	.5
8	MP1B	Z	26.975	.5
9	MP1B	Mx	-.008	.5
10	MP1B	X	15.574	6.5
11	MP1B	Z	26.975	6.5
12	MP1B	Mx	-.008	6.5
13	MP1C	X	11.647	.5
14	MP1C	Z	20.172	.5
15	MP1C	Mx	.012	.5
16	MP1C	X	11.647	6.5
17	MP1C	Z	20.172	6.5
18	MP1C	Mx	.012	6.5
19	MP2A	X	13.66	1.5
20	MP2A	Z	23.66	1.5
21	MP2A	Mx	-.021	1.5
22	MP2A	X	13.66	5.5
23	MP2A	Z	23.66	5.5
24	MP2A	Mx	-.021	5.5
25	MP2B	X	13.66	1.5
26	MP2B	Z	23.66	1.5
27	MP2B	Mx	.007	1.5
28	MP2B	X	13.66	5.5
29	MP2B	Z	23.66	5.5
30	MP2B	Mx	.007	5.5
31	MP2C	X	10.201	1.5
32	MP2C	Z	17.668	1.5
33	MP2C	Mx	.01	1.5
34	MP2C	X	10.201	5.5
35	MP2C	Z	17.668	5.5
36	MP2C	Mx	.01	5.5
37	MP2A	X	13.66	1.5
38	MP2A	Z	23.66	1.5
39	MP2A	Mx	.007	1.5
40	MP2A	X	13.66	5.5
41	MP2A	Z	23.66	5.5
42	MP2A	Mx	.007	5.5
43	MP2B	X	13.66	1.5
44	MP2B	Z	23.66	1.5
45	MP2B	Mx	-.021	1.5
46	MP2B	X	13.66	5.5
47	MP2B	Z	23.66	5.5
48	MP2B	Mx	-.021	5.5
49	MP2C	X	10.201	1.5
50	MP2C	Z	17.668	1.5
51	MP2C	Mx	.01	1.5
52	MP2C	X	10.201	5.5
53	MP2C	Z	17.668	5.5
54	MP2C	Mx	.01	5.5
55	MP3A	X	7.55	2.5
56	MP3A	Z	13.077	2.5
57	MP3A	Mx	-.004	2.5
58	MP3A	X	7.55	4.5
59	MP3A	Z	13.077	4.5
60	MP3A	Mx	-.004	4.5
61	MP3B	X	7.55	2.5
62	MP3B	Z	13.077	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
63	MP3B	Mx	-.004	2.5
64	MP3B	X	7.55	4.5
65	MP3B	Z	13.077	4.5
66	MP3B	Mx	-.004	4.5
67	MP3C	X	3.745	2.5
68	MP3C	Z	6.486	2.5
69	MP3C	Mx	.004	2.5
70	MP3C	X	3.745	4.5
71	MP3C	Z	6.486	4.5
72	MP3C	Mx	.004	4.5
73	MP1A	X	6.851	4.25
74	MP1A	Z	11.867	4.25
75	MP1A	Mx	.003	4.25
76	MP1B	X	6.851	4.25
77	MP1B	Z	11.867	4.25
78	MP1B	Mx	.003	4.25
79	MP1C	X	5.152	4.25
80	MP1C	Z	8.924	4.25
81	MP1C	Mx	-.005	4.25
82	MP2A	X	6.636	4.25
83	MP2A	Z	11.494	4.25
84	MP2A	Mx	.003	4.25
85	MP2B	X	6.636	4.25
86	MP2B	Z	11.494	4.25
87	MP2B	Mx	.003	4.25
88	MP2C	X	4.292	4.25
89	MP2C	Z	7.433	4.25
90	MP2C	Mx	-.004	4.25
91	MP3A	X	3.751	4.25
92	MP3A	Z	6.497	4.25
93	MP3A	Mx	.002	4.25
94	MP3B	X	3.751	4.25
95	MP3B	Z	6.497	4.25
96	MP3B	Mx	.002	4.25
97	MP3C	X	2.357	4.25
98	MP3C	Z	4.083	4.25
99	MP3C	Mx	-.002	4.25
100	M113	X	15.271	1
101	M113	Z	26.45	1
102	M113	Mx	0	1
103	M113	X	15.271	1
104	M113	Z	26.45	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	33.766	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	6.5
5	MP1A	Z	33.766	6.5
6	MP1A	Mx	0	6.5
7	MP1B	X	0	.5
8	MP1B	Z	25.911	.5
9	MP1B	Mx	-.011	.5
10	MP1B	X	0	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
11	MP1B	Z	25.911	6.5
12	MP1B	Mx	-.011	6.5
13	MP1C	X	0	.5
14	MP1C	Z	25.911	.5
15	MP1C	Mx	.011	.5
16	MP1C	X	0	6.5
17	MP1C	Z	25.911	6.5
18	MP1C	Mx	.011	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	29.627	1.5
21	MP2A	Mx	-.017	1.5
22	MP2A	X	0	5.5
23	MP2A	Z	29.627	5.5
24	MP2A	Mx	-.017	5.5
25	MP2B	X	0	1.5
26	MP2B	Z	22.707	1.5
27	MP2B	Mx	-.003	1.5
28	MP2B	X	0	5.5
29	MP2B	Z	22.707	5.5
30	MP2B	Mx	-.003	5.5
31	MP2C	X	0	1.5
32	MP2C	Z	22.707	1.5
33	MP2C	Mx	.016	1.5
34	MP2C	X	0	5.5
35	MP2C	Z	22.707	5.5
36	MP2C	Mx	.016	5.5
37	MP2A	X	0	1.5
38	MP2A	Z	29.627	1.5
39	MP2A	Mx	.017	1.5
40	MP2A	X	0	5.5
41	MP2A	Z	29.627	5.5
42	MP2A	Mx	.017	5.5
43	MP2B	X	0	1.5
44	MP2B	Z	22.707	1.5
45	MP2B	Mx	-.016	1.5
46	MP2B	X	0	5.5
47	MP2B	Z	22.707	5.5
48	MP2B	Mx	-.016	5.5
49	MP2C	X	0	1.5
50	MP2C	Z	22.707	1.5
51	MP2C	Mx	.003	1.5
52	MP2C	X	0	5.5
53	MP2C	Z	22.707	5.5
54	MP2C	Mx	.003	5.5
55	MP3A	X	0	2.5
56	MP3A	Z	17.637	2.5
57	MP3A	Mx	0	2.5
58	MP3A	X	0	4.5
59	MP3A	Z	17.637	4.5
60	MP3A	Mx	0	4.5
61	MP3B	X	0	2.5
62	MP3B	Z	10.027	2.5
63	MP3B	Mx	-.004	2.5
64	MP3B	X	0	4.5
65	MP3B	Z	10.027	4.5
66	MP3B	Mx	-.004	4.5
67	MP3C	X	0	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
68	MP3C	Z	10.027	2.5
69	MP3C	Mx	.004	2.5
70	MP3C	X	0	4.5
71	MP3C	Z	10.027	4.5
72	MP3C	Mx	.004	4.5
73	MP1A	X	0	4.25
74	MP1A	Z	14.835	4.25
75	MP1A	Mx	0	4.25
76	MP1B	X	0	4.25
77	MP1B	Z	11.437	4.25
78	MP1B	Mx	.005	4.25
79	MP1C	X	0	4.25
80	MP1C	Z	11.437	4.25
81	MP1C	Mx	-.005	4.25
82	MP2A	X	0	4.25
83	MP2A	Z	14.835	4.25
84	MP2A	Mx	0	4.25
85	MP2B	X	0	4.25
86	MP2B	Z	10.146	4.25
87	MP2B	Mx	.004	4.25
88	MP2C	X	0	4.25
89	MP2C	Z	10.146	4.25
90	MP2C	Mx	-.004	4.25
91	MP3A	X	0	4.25
92	MP3A	Z	8.431	4.25
93	MP3A	Mx	0	4.25
94	MP3B	X	0	4.25
95	MP3B	Z	5.644	4.25
96	MP3B	Mx	.002	4.25
97	MP3C	X	0	4.25
98	MP3C	Z	5.644	4.25
99	MP3C	Mx	-.002	4.25
100	M113	X	0	1
101	M113	Z	28.873	1
102	M113	Mx	0	1
103	M113	X	0	1
104	M113	Z	28.873	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-15.574	.5
2	MP1A	Z	26.975	.5
3	MP1A	Mx	.008	.5
4	MP1A	X	-15.574	6.5
5	MP1A	Z	26.975	6.5
6	MP1A	Mx	.008	6.5
7	MP1B	X	-11.647	.5
8	MP1B	Z	20.172	.5
9	MP1B	Mx	-.012	.5
10	MP1B	X	-11.647	6.5
11	MP1B	Z	20.172	6.5
12	MP1B	Mx	-.012	6.5
13	MP1C	X	-15.574	.5
14	MP1C	Z	26.975	.5
15	MP1C	Mx	.008	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
16	MP1C	X	-15.574	6.5
17	MP1C	Z	26.975	6.5
18	MP1C	Mx	.008	6.5
19	MP2A	X	-13.66	1.5
20	MP2A	Z	23.66	1.5
21	MP2A	Mx	-.007	1.5
22	MP2A	X	-13.66	5.5
23	MP2A	Z	23.66	5.5
24	MP2A	Mx	-.007	5.5
25	MP2B	X	-10.201	1.5
26	MP2B	Z	17.668	1.5
27	MP2B	Mx	-.01	1.5
28	MP2B	X	-10.201	5.5
29	MP2B	Z	17.668	5.5
30	MP2B	Mx	-.01	5.5
31	MP2C	X	-13.66	1.5
32	MP2C	Z	23.66	1.5
33	MP2C	Mx	.021	1.5
34	MP2C	X	-13.66	5.5
35	MP2C	Z	23.66	5.5
36	MP2C	Mx	.021	5.5
37	MP2A	X	-13.66	1.5
38	MP2A	Z	23.66	1.5
39	MP2A	Mx	.021	1.5
40	MP2A	X	-13.66	5.5
41	MP2A	Z	23.66	5.5
42	MP2A	Mx	.021	5.5
43	MP2B	X	-10.201	1.5
44	MP2B	Z	17.668	1.5
45	MP2B	Mx	-.01	1.5
46	MP2B	X	-10.201	5.5
47	MP2B	Z	17.668	5.5
48	MP2B	Mx	-.01	5.5
49	MP2C	X	-13.66	1.5
50	MP2C	Z	23.66	1.5
51	MP2C	Mx	-.007	1.5
52	MP2C	X	-13.66	5.5
53	MP2C	Z	23.66	5.5
54	MP2C	Mx	-.007	5.5
55	MP3A	X	-7.55	2.5
56	MP3A	Z	13.077	2.5
57	MP3A	Mx	.004	2.5
58	MP3A	X	-7.55	4.5
59	MP3A	Z	13.077	4.5
60	MP3A	Mx	.004	4.5
61	MP3B	X	-3.745	2.5
62	MP3B	Z	6.486	2.5
63	MP3B	Mx	-.004	2.5
64	MP3B	X	-3.745	4.5
65	MP3B	Z	6.486	4.5
66	MP3B	Mx	-.004	4.5
67	MP3C	X	-7.55	2.5
68	MP3C	Z	13.077	2.5
69	MP3C	Mx	.004	2.5
70	MP3C	X	-7.55	4.5
71	MP3C	Z	13.077	4.5
72	MP3C	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1A	X	-6.851	4.25
74	MP1A	Z	11.867	4.25
75	MP1A	Mx	-.003	4.25
76	MP1B	X	-5.152	4.25
77	MP1B	Z	8.924	4.25
78	MP1B	Mx	.005	4.25
79	MP1C	X	-6.851	4.25
80	MP1C	Z	11.867	4.25
81	MP1C	Mx	-.003	4.25
82	MP2A	X	-6.636	4.25
83	MP2A	Z	11.494	4.25
84	MP2A	Mx	-.003	4.25
85	MP2B	X	-4.292	4.25
86	MP2B	Z	7.433	4.25
87	MP2B	Mx	.004	4.25
88	MP2C	X	-6.636	4.25
89	MP2C	Z	11.494	4.25
90	MP2C	Mx	-.003	4.25
91	MP3A	X	-3.751	4.25
92	MP3A	Z	6.497	4.25
93	MP3A	Mx	-.002	4.25
94	MP3B	X	-2.357	4.25
95	MP3B	Z	4.083	4.25
96	MP3B	Mx	.002	4.25
97	MP3C	X	-3.751	4.25
98	MP3C	Z	6.497	4.25
99	MP3C	Mx	-.002	4.25
100	M113	X	-12.767	1
101	M113	Z	22.113	1
102	M113	Mx	0	1
103	M113	X	-12.767	1
104	M113	Z	22.113	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-22.44	.5
2	MP1A	Z	12.956	.5
3	MP1A	Mx	.011	.5
4	MP1A	X	-22.44	6.5
5	MP1A	Z	12.956	6.5
6	MP1A	Mx	.011	6.5
7	MP1B	X	-22.44	.5
8	MP1B	Z	12.956	.5
9	MP1B	Mx	-.011	.5
10	MP1B	X	-22.44	6.5
11	MP1B	Z	12.956	6.5
12	MP1B	Mx	-.011	6.5
13	MP1C	X	-29.243	.5
14	MP1C	Z	16.883	.5
15	MP1C	Mx	0	.5
16	MP1C	X	-29.243	6.5
17	MP1C	Z	16.883	6.5
18	MP1C	Mx	0	6.5
19	MP2A	X	-19.665	1.5
20	MP2A	Z	11.354	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
21	MP2A	Mx	.003	1.5
22	MP2A	X	-19.665	5.5
23	MP2A	Z	11.354	5.5
24	MP2A	Mx	.003	5.5
25	MP2B	X	-19.665	1.5
26	MP2B	Z	11.354	1.5
27	MP2B	Mx	-.016	1.5
28	MP2B	X	-19.665	5.5
29	MP2B	Z	11.354	5.5
30	MP2B	Mx	-.016	5.5
31	MP2C	X	-25.658	1.5
32	MP2C	Z	14.813	1.5
33	MP2C	Mx	.017	1.5
34	MP2C	X	-25.658	5.5
35	MP2C	Z	14.813	5.5
36	MP2C	Mx	.017	5.5
37	MP2A	X	-19.665	1.5
38	MP2A	Z	11.354	1.5
39	MP2A	Mx	.016	1.5
40	MP2A	X	-19.665	5.5
41	MP2A	Z	11.354	5.5
42	MP2A	Mx	.016	5.5
43	MP2B	X	-19.665	1.5
44	MP2B	Z	11.354	1.5
45	MP2B	Mx	-.003	1.5
46	MP2B	X	-19.665	5.5
47	MP2B	Z	11.354	5.5
48	MP2B	Mx	-.003	5.5
49	MP2C	X	-25.658	1.5
50	MP2C	Z	14.813	1.5
51	MP2C	Mx	-.017	1.5
52	MP2C	X	-25.658	5.5
53	MP2C	Z	14.813	5.5
54	MP2C	Mx	-.017	5.5
55	MP3A	X	-8.683	2.5
56	MP3A	Z	5.013	2.5
57	MP3A	Mx	.004	2.5
58	MP3A	X	-8.683	4.5
59	MP3A	Z	5.013	4.5
60	MP3A	Mx	.004	4.5
61	MP3B	X	-8.683	2.5
62	MP3B	Z	5.013	2.5
63	MP3B	Mx	-.004	2.5
64	MP3B	X	-8.683	4.5
65	MP3B	Z	5.013	4.5
66	MP3B	Mx	-.004	4.5
67	MP3C	X	-15.274	2.5
68	MP3C	Z	8.818	2.5
69	MP3C	Mx	0	2.5
70	MP3C	X	-15.274	4.5
71	MP3C	Z	8.818	4.5
72	MP3C	Mx	0	4.5
73	MP1A	X	-9.905	4.25
74	MP1A	Z	5.719	4.25
75	MP1A	Mx	-.005	4.25
76	MP1B	X	-9.905	4.25
77	MP1B	Z	5.719	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
78	MP1B	Mx	.005	4.25
79	MP1C	X	-12.848	4.25
80	MP1C	Z	7.418	4.25
81	MP1C	Mx	0	4.25
82	MP2A	X	-8.787	4.25
83	MP2A	Z	5.073	4.25
84	MP2A	Mx	-.004	4.25
85	MP2B	X	-8.787	4.25
86	MP2B	Z	5.073	4.25
87	MP2B	Mx	.004	4.25
88	MP2C	X	-12.848	4.25
89	MP2C	Z	7.418	4.25
90	MP2C	Mx	0	4.25
91	MP3A	X	-4.888	4.25
92	MP3A	Z	2.822	4.25
93	MP3A	Mx	-.002	4.25
94	MP3B	X	-4.888	4.25
95	MP3B	Z	2.822	4.25
96	MP3B	Mx	.002	4.25
97	MP3C	X	-7.301	4.25
98	MP3C	Z	4.215	4.25
99	MP3C	Mx	0	4.25
100	M113	X	-20.667	1
101	M113	Z	11.932	1
102	M113	Mx	0	1
103	M113	X	-20.667	1
104	M113	Z	11.932	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-23.293	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.012	.5
4	MP1A	X	-23.293	6.5
5	MP1A	Z	0	6.5
6	MP1A	Mx	.012	6.5
7	MP1B	X	-31.148	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.008	.5
10	MP1B	X	-31.148	6.5
11	MP1B	Z	0	6.5
12	MP1B	Mx	-.008	6.5
13	MP1C	X	-31.148	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.008	.5
16	MP1C	X	-31.148	6.5
17	MP1C	Z	0	6.5
18	MP1C	Mx	-.008	6.5
19	MP2A	X	-20.401	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.01	1.5
22	MP2A	X	-20.401	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.01	5.5
25	MP2B	X	-27.32	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.021	1.5
28	MP2B	X	-27.32	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.021	5.5
31	MP2C	X	-27.32	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	.007	1.5
34	MP2C	X	-27.32	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.007	5.5
37	MP2A	X	-20.401	1.5
38	MP2A	Z	0	1.5
39	MP2A	Mx	.01	1.5
40	MP2A	X	-20.401	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	.01	5.5
43	MP2B	X	-27.32	1.5
44	MP2B	Z	0	1.5
45	MP2B	Mx	.007	1.5
46	MP2B	X	-27.32	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.007	5.5
49	MP2C	X	-27.32	1.5
50	MP2C	Z	0	1.5
51	MP2C	Mx	-.021	1.5
52	MP2C	X	-27.32	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	-.021	5.5
55	MP3A	X	-7.49	2.5
56	MP3A	Z	0	2.5
57	MP3A	Mx	.004	2.5
58	MP3A	X	-7.49	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	.004	4.5
61	MP3B	X	-15.1	2.5
62	MP3B	Z	0	2.5
63	MP3B	Mx	-.004	2.5
64	MP3B	X	-15.1	4.5
65	MP3B	Z	0	4.5
66	MP3B	Mx	-.004	4.5
67	MP3C	X	-15.1	2.5
68	MP3C	Z	0	2.5
69	MP3C	Mx	-.004	2.5
70	MP3C	X	-15.1	4.5
71	MP3C	Z	0	4.5
72	MP3C	Mx	-.004	4.5
73	MP1A	X	-10.305	4.25
74	MP1A	Z	0	4.25
75	MP1A	Mx	-.005	4.25
76	MP1B	X	-13.703	4.25
77	MP1B	Z	0	4.25
78	MP1B	Mx	.003	4.25
79	MP1C	X	-13.703	4.25
80	MP1C	Z	0	4.25
81	MP1C	Mx	.003	4.25
82	MP2A	X	-8.583	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP2A	Z	0	4.25
84	MP2A	Mx	-.004	4.25
85	MP2B	X	-13.272	4.25
86	MP2B	Z	0	4.25
87	MP2B	Mx	.003	4.25
88	MP2C	X	-13.272	4.25
89	MP2C	Z	0	4.25
90	MP2C	Mx	.003	4.25
91	MP3A	X	-4.715	4.25
92	MP3A	Z	0	4.25
93	MP3A	Mx	-.002	4.25
94	MP3B	X	-7.502	4.25
95	MP3B	Z	0	4.25
96	MP3B	Mx	.002	4.25
97	MP3C	X	-7.502	4.25
98	MP3C	Z	0	4.25
99	MP3C	Mx	.002	4.25
100	M113	X	-25.534	1
101	M113	Z	0	1
102	M113	Mx	0	1
103	M113	X	-25.534	1
104	M113	Z	0	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-22.44	.5
2	MP1A	Z	-12.956	.5
3	MP1A	Mx	.011	.5
4	MP1A	X	-22.44	6.5
5	MP1A	Z	-12.956	6.5
6	MP1A	Mx	.011	6.5
7	MP1B	X	-29.243	.5
8	MP1B	Z	-16.883	.5
9	MP1B	Mx	0	.5
10	MP1B	X	-29.243	6.5
11	MP1B	Z	-16.883	6.5
12	MP1B	Mx	0	6.5
13	MP1C	X	-22.44	.5
14	MP1C	Z	-12.956	.5
15	MP1C	Mx	-.011	.5
16	MP1C	X	-22.44	6.5
17	MP1C	Z	-12.956	6.5
18	MP1C	Mx	-.011	6.5
19	MP2A	X	-19.665	1.5
20	MP2A	Z	-11.354	1.5
21	MP2A	Mx	.016	1.5
22	MP2A	X	-19.665	5.5
23	MP2A	Z	-11.354	5.5
24	MP2A	Mx	.016	5.5
25	MP2B	X	-25.658	1.5
26	MP2B	Z	-14.813	1.5
27	MP2B	Mx	-.017	1.5
28	MP2B	X	-25.658	5.5
29	MP2B	Z	-14.813	5.5
30	MP2B	Mx	-.017	5.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	-19.665	1.5
32	MP2C	Z	-11.354	1.5
33	MP2C	Mx	-.003	1.5
34	MP2C	X	-19.665	5.5
35	MP2C	Z	-11.354	5.5
36	MP2C	Mx	-.003	5.5
37	MP2A	X	-19.665	1.5
38	MP2A	Z	-11.354	1.5
39	MP2A	Mx	.003	1.5
40	MP2A	X	-19.665	5.5
41	MP2A	Z	-11.354	5.5
42	MP2A	Mx	.003	5.5
43	MP2B	X	-25.658	1.5
44	MP2B	Z	-14.813	1.5
45	MP2B	Mx	.017	1.5
46	MP2B	X	-25.658	5.5
47	MP2B	Z	-14.813	5.5
48	MP2B	Mx	.017	5.5
49	MP2C	X	-19.665	1.5
50	MP2C	Z	-11.354	1.5
51	MP2C	Mx	-.016	1.5
52	MP2C	X	-19.665	5.5
53	MP2C	Z	-11.354	5.5
54	MP2C	Mx	-.016	5.5
55	MP3A	X	-8.683	2.5
56	MP3A	Z	-5.013	2.5
57	MP3A	Mx	.004	2.5
58	MP3A	X	-8.683	4.5
59	MP3A	Z	-5.013	4.5
60	MP3A	Mx	.004	4.5
61	MP3B	X	-15.274	2.5
62	MP3B	Z	-8.818	2.5
63	MP3B	Mx	0	2.5
64	MP3B	X	-15.274	4.5
65	MP3B	Z	-8.818	4.5
66	MP3B	Mx	0	4.5
67	MP3C	X	-8.683	2.5
68	MP3C	Z	-5.013	2.5
69	MP3C	Mx	-.004	2.5
70	MP3C	X	-8.683	4.5
71	MP3C	Z	-5.013	4.5
72	MP3C	Mx	-.004	4.5
73	MP1A	X	-9.905	4.25
74	MP1A	Z	-5.719	4.25
75	MP1A	Mx	-.005	4.25
76	MP1B	X	-12.848	4.25
77	MP1B	Z	-7.418	4.25
78	MP1B	Mx	0	4.25
79	MP1C	X	-9.905	4.25
80	MP1C	Z	-5.719	4.25
81	MP1C	Mx	.005	4.25
82	MP2A	X	-8.787	4.25
83	MP2A	Z	-5.073	4.25
84	MP2A	Mx	-.004	4.25
85	MP2B	X	-12.848	4.25
86	MP2B	Z	-7.418	4.25
87	MP2B	Mx	0	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
88	MP2C	X	-8.787	4.25
89	MP2C	Z	-5.073	4.25
90	MP2C	Mx	.004	4.25
91	MP3A	X	-4.888	4.25
92	MP3A	Z	-2.822	4.25
93	MP3A	Mx	-.002	4.25
94	MP3B	X	-7.301	4.25
95	MP3B	Z	-4.215	4.25
96	MP3B	Mx	0	4.25
97	MP3C	X	-4.888	4.25
98	MP3C	Z	-2.822	4.25
99	MP3C	Mx	.002	4.25
100	M113	X	-25.004	1
101	M113	Z	-14.436	1
102	M113	Mx	0	1
103	M113	X	-25.004	1
104	M113	Z	-14.436	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-15.574	.5
2	MP1A	Z	-26.975	.5
3	MP1A	Mx	.008	.5
4	MP1A	X	-15.574	6.5
5	MP1A	Z	-26.975	6.5
6	MP1A	Mx	.008	6.5
7	MP1B	X	-15.574	.5
8	MP1B	Z	-26.975	.5
9	MP1B	Mx	.008	.5
10	MP1B	X	-15.574	6.5
11	MP1B	Z	-26.975	6.5
12	MP1B	Mx	.008	6.5
13	MP1C	X	-11.647	.5
14	MP1C	Z	-20.172	.5
15	MP1C	Mx	-.012	.5
16	MP1C	X	-11.647	6.5
17	MP1C	Z	-20.172	6.5
18	MP1C	Mx	-.012	6.5
19	MP2A	X	-13.66	1.5
20	MP2A	Z	-23.66	1.5
21	MP2A	Mx	.021	1.5
22	MP2A	X	-13.66	5.5
23	MP2A	Z	-23.66	5.5
24	MP2A	Mx	.021	5.5
25	MP2B	X	-13.66	1.5
26	MP2B	Z	-23.66	1.5
27	MP2B	Mx	-.007	1.5
28	MP2B	X	-13.66	5.5
29	MP2B	Z	-23.66	5.5
30	MP2B	Mx	-.007	5.5
31	MP2C	X	-10.201	1.5
32	MP2C	Z	-17.668	1.5
33	MP2C	Mx	-.01	1.5
34	MP2C	X	-10.201	5.5
35	MP2C	Z	-17.668	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP2C	Mx	-.01	5.5
37	MP2A	X	-13.66	1.5
38	MP2A	Z	-23.66	1.5
39	MP2A	Mx	-.007	1.5
40	MP2A	X	-13.66	5.5
41	MP2A	Z	-23.66	5.5
42	MP2A	Mx	-.007	5.5
43	MP2B	X	-13.66	1.5
44	MP2B	Z	-23.66	1.5
45	MP2B	Mx	.021	1.5
46	MP2B	X	-13.66	5.5
47	MP2B	Z	-23.66	5.5
48	MP2B	Mx	.021	5.5
49	MP2C	X	-10.201	1.5
50	MP2C	Z	-17.668	1.5
51	MP2C	Mx	-.01	1.5
52	MP2C	X	-10.201	5.5
53	MP2C	Z	-17.668	5.5
54	MP2C	Mx	-.01	5.5
55	MP3A	X	-7.55	2.5
56	MP3A	Z	-13.077	2.5
57	MP3A	Mx	.004	2.5
58	MP3A	X	-7.55	4.5
59	MP3A	Z	-13.077	4.5
60	MP3A	Mx	.004	4.5
61	MP3B	X	-7.55	2.5
62	MP3B	Z	-13.077	2.5
63	MP3B	Mx	.004	2.5
64	MP3B	X	-7.55	4.5
65	MP3B	Z	-13.077	4.5
66	MP3B	Mx	.004	4.5
67	MP3C	X	-3.745	2.5
68	MP3C	Z	-6.486	2.5
69	MP3C	Mx	-.004	2.5
70	MP3C	X	-3.745	4.5
71	MP3C	Z	-6.486	4.5
72	MP3C	Mx	-.004	4.5
73	MP1A	X	-6.851	4.25
74	MP1A	Z	-11.867	4.25
75	MP1A	Mx	-.003	4.25
76	MP1B	X	-6.851	4.25
77	MP1B	Z	-11.867	4.25
78	MP1B	Mx	-.003	4.25
79	MP1C	X	-5.152	4.25
80	MP1C	Z	-8.924	4.25
81	MP1C	Mx	.005	4.25
82	MP2A	X	-6.636	4.25
83	MP2A	Z	-11.494	4.25
84	MP2A	Mx	-.003	4.25
85	MP2B	X	-6.636	4.25
86	MP2B	Z	-11.494	4.25
87	MP2B	Mx	-.003	4.25
88	MP2C	X	-4.292	4.25
89	MP2C	Z	-7.433	4.25
90	MP2C	Mx	.004	4.25
91	MP3A	X	-3.751	4.25
92	MP3A	Z	-6.497	4.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP3A	Mx	-.002	4.25
94	MP3B	X	-3.751	4.25
95	MP3B	Z	-6.497	4.25
96	MP3B	Mx	-.002	4.25
97	MP3C	X	-2.357	4.25
98	MP3C	Z	-4.083	4.25
99	MP3C	Mx	.002	4.25
100	M113	X	-15.271	1
101	M113	Z	-26.45	1
102	M113	Mx	0	1
103	M113	X	-15.271	1
104	M113	Z	-26.45	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-11.083	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	6.5
5	MP1A	Z	-11.083	6.5
6	MP1A	Mx	0	6.5
7	MP1B	X	0	.5
8	MP1B	Z	-8.301	.5
9	MP1B	Mx	.004	.5
10	MP1B	X	0	6.5
11	MP1B	Z	-8.301	6.5
12	MP1B	Mx	.004	6.5
13	MP1C	X	0	.5
14	MP1C	Z	-8.301	.5
15	MP1C	Mx	-.004	.5
16	MP1C	X	0	6.5
17	MP1C	Z	-8.301	6.5
18	MP1C	Mx	-.004	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	-9.702	1.5
21	MP2A	Mx	.006	1.5
22	MP2A	X	0	5.5
23	MP2A	Z	-9.702	5.5
24	MP2A	Mx	.006	5.5
25	MP2B	X	0	1.5
26	MP2B	Z	-7.236	1.5
27	MP2B	Mx	.001	1.5
28	MP2B	X	0	5.5
29	MP2B	Z	-7.236	5.5
30	MP2B	Mx	.001	5.5
31	MP2C	X	0	1.5
32	MP2C	Z	-7.236	1.5
33	MP2C	Mx	-.005	1.5
34	MP2C	X	0	5.5
35	MP2C	Z	-7.236	5.5
36	MP2C	Mx	-.005	5.5
37	MP2A	X	0	1.5
38	MP2A	Z	-9.666	1.5
39	MP2A	Mx	-.006	1.5
40	MP2A	X	0	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
41	MP2A	Z	-9.666	5.5
42	MP2A	Mx	-.006	5.5
43	MP2B	X	0	1.5
44	MP2B	Z	-7.227	1.5
45	MP2B	Mx	.005	1.5
46	MP2B	X	0	5.5
47	MP2B	Z	-7.227	5.5
48	MP2B	Mx	.005	5.5
49	MP2C	X	0	1.5
50	MP2C	Z	-7.227	1.5
51	MP2C	Mx	-.001	1.5
52	MP2C	X	0	5.5
53	MP2C	Z	-7.227	5.5
54	MP2C	Mx	-.001	5.5
55	MP3A	X	0	2.5
56	MP3A	Z	-5.644	2.5
57	MP3A	Mx	0	2.5
58	MP3A	X	0	4.5
59	MP3A	Z	-5.644	4.5
60	MP3A	Mx	0	4.5
61	MP3B	X	0	2.5
62	MP3B	Z	-3.068	2.5
63	MP3B	Mx	.001	2.5
64	MP3B	X	0	4.5
65	MP3B	Z	-3.068	4.5
66	MP3B	Mx	.001	4.5
67	MP3C	X	0	2.5
68	MP3C	Z	-3.068	2.5
69	MP3C	Mx	-.001	2.5
70	MP3C	X	0	4.5
71	MP3C	Z	-3.068	4.5
72	MP3C	Mx	-.001	4.5
73	MP1A	X	0	4.25
74	MP1A	Z	-4.491	4.25
75	MP1A	Mx	0	4.25
76	MP1B	X	0	4.25
77	MP1B	Z	-3.374	4.25
78	MP1B	Mx	-.001	4.25
79	MP1C	X	0	4.25
80	MP1C	Z	-3.374	4.25
81	MP1C	Mx	.001	4.25
82	MP2A	X	0	4.25
83	MP2A	Z	-4.491	4.25
84	MP2A	Mx	0	4.25
85	MP2B	X	0	4.25
86	MP2B	Z	-2.946	4.25
87	MP2B	Mx	-.001	4.25
88	MP2C	X	0	4.25
89	MP2C	Z	-2.946	4.25
90	MP2C	Mx	.001	4.25
91	MP3A	X	0	4.25
92	MP3A	Z	-2.378	4.25
93	MP3A	Mx	0	4.25
94	MP3B	X	0	4.25
95	MP3B	Z	-1.497	4.25
96	MP3B	Mx	-.000648	4.25
97	MP3C	X	0	4.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
98	MP3C	Z	-1.497	4.25
99	MP3C	Mx	.000648	4.25
100	M113	X	0	1
101	M113	Z	-9.173	1
102	M113	Mx	0	1
103	M113	X	0	1
104	M113	Z	-9.173	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	5.078	.5
2	MP1A	Z	-8.795	.5
3	MP1A	Mx	-.003	.5
4	MP1A	X	5.078	6.5
5	MP1A	Z	-8.795	6.5
6	MP1A	Mx	-.003	6.5
7	MP1B	X	3.687	.5
8	MP1B	Z	-6.385	.5
9	MP1B	Mx	.004	.5
10	MP1B	X	3.687	6.5
11	MP1B	Z	-6.385	6.5
12	MP1B	Mx	.004	6.5
13	MP1C	X	5.078	.5
14	MP1C	Z	-8.795	.5
15	MP1C	Mx	-.003	.5
16	MP1C	X	5.078	6.5
17	MP1C	Z	-8.795	6.5
18	MP1C	Mx	-.003	6.5
19	MP2A	X	4.44	1.5
20	MP2A	Z	-7.691	1.5
21	MP2A	Mx	.002	1.5
22	MP2A	X	4.44	5.5
23	MP2A	Z	-7.691	5.5
24	MP2A	Mx	.002	5.5
25	MP2B	X	3.207	1.5
26	MP2B	Z	-5.555	1.5
27	MP2B	Mx	.003	1.5
28	MP2B	X	3.207	5.5
29	MP2B	Z	-5.555	5.5
30	MP2B	Mx	.003	5.5
31	MP2C	X	4.44	1.5
32	MP2C	Z	-7.691	1.5
33	MP2C	Mx	-.007	1.5
34	MP2C	X	4.44	5.5
35	MP2C	Z	-7.691	5.5
36	MP2C	Mx	-.007	5.5
37	MP2A	X	4.427	1.5
38	MP2A	Z	-7.667	1.5
39	MP2A	Mx	-.007	1.5
40	MP2A	X	4.427	5.5
41	MP2A	Z	-7.667	5.5
42	MP2A	Mx	-.007	5.5
43	MP2B	X	3.207	1.5
44	MP2B	Z	-5.555	1.5
45	MP2B	Mx	.003	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
46	MP2B	X	3.207	5.5
47	MP2B	Z	-5.555	5.5
48	MP2B	Mx	.003	5.5
49	MP2C	X	4.427	1.5
50	MP2C	Z	-7.667	1.5
51	MP2C	Mx	.002	1.5
52	MP2C	X	4.427	5.5
53	MP2C	Z	-7.667	5.5
54	MP2C	Mx	.002	5.5
55	MP3A	X	2.393	2.5
56	MP3A	Z	-4.144	2.5
57	MP3A	Mx	-.001	2.5
58	MP3A	X	2.393	4.5
59	MP3A	Z	-4.144	4.5
60	MP3A	Mx	-.001	4.5
61	MP3B	X	1.105	2.5
62	MP3B	Z	-1.914	2.5
63	MP3B	Mx	.001	2.5
64	MP3B	X	1.105	4.5
65	MP3B	Z	-1.914	4.5
66	MP3B	Mx	.001	4.5
67	MP3C	X	2.393	2.5
68	MP3C	Z	-4.144	2.5
69	MP3C	Mx	-.001	2.5
70	MP3C	X	2.393	4.5
71	MP3C	Z	-4.144	4.5
72	MP3C	Mx	-.001	4.5
73	MP1A	X	2.059	4.25
74	MP1A	Z	-3.567	4.25
75	MP1A	Mx	.001	4.25
76	MP1B	X	1.501	4.25
77	MP1B	Z	-2.6	4.25
78	MP1B	Mx	-.002	4.25
79	MP1C	X	2.059	4.25
80	MP1C	Z	-3.567	4.25
81	MP1C	Mx	.001	4.25
82	MP2A	X	1.988	4.25
83	MP2A	Z	-3.443	4.25
84	MP2A	Mx	.000994	4.25
85	MP2B	X	1.216	4.25
86	MP2B	Z	-2.106	4.25
87	MP2B	Mx	-.001	4.25
88	MP2C	X	1.988	4.25
89	MP2C	Z	-3.443	4.25
90	MP2C	Mx	.000994	4.25
91	MP3A	X	1.042	4.25
92	MP3A	Z	-1.805	4.25
93	MP3A	Mx	.000521	4.25
94	MP3B	X	.602	4.25
95	MP3B	Z	-1.042	4.25
96	MP3B	Mx	-.000602	4.25
97	MP3C	X	1.042	4.25
98	MP3C	Z	-1.805	4.25
99	MP3C	Mx	.000521	4.25
100	M113	X	4.008	1
101	M113	Z	-6.943	1
102	M113	Mx	0	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	M113	X	4.008	1
104	M113	Z	-6.943	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	7.189	.5
2	MP1A	Z	-4.15	.5
3	MP1A	Mx	-.004	.5
4	MP1A	X	7.189	6.5
5	MP1A	Z	-4.15	6.5
6	MP1A	Mx	-.004	6.5
7	MP1B	X	7.189	.5
8	MP1B	Z	-4.15	.5
9	MP1B	Mx	.004	.5
10	MP1B	X	7.189	6.5
11	MP1B	Z	-4.15	6.5
12	MP1B	Mx	.004	6.5
13	MP1C	X	9.599	.5
14	MP1C	Z	-5.542	.5
15	MP1C	Mx	0	.5
16	MP1C	X	9.599	6.5
17	MP1C	Z	-5.542	6.5
18	MP1C	Mx	0	6.5
19	MP2A	X	6.267	1.5
20	MP2A	Z	-3.618	1.5
21	MP2A	Mx	-.001	1.5
22	MP2A	X	6.267	5.5
23	MP2A	Z	-3.618	5.5
24	MP2A	Mx	-.001	5.5
25	MP2B	X	6.267	1.5
26	MP2B	Z	-3.618	1.5
27	MP2B	Mx	.005	1.5
28	MP2B	X	6.267	5.5
29	MP2B	Z	-3.618	5.5
30	MP2B	Mx	.005	5.5
31	MP2C	X	8.403	1.5
32	MP2C	Z	-4.851	1.5
33	MP2C	Mx	-.006	1.5
34	MP2C	X	8.403	5.5
35	MP2C	Z	-4.851	5.5
36	MP2C	Mx	-.006	5.5
37	MP2A	X	6.259	1.5
38	MP2A	Z	-3.614	1.5
39	MP2A	Mx	-.005	1.5
40	MP2A	X	6.259	5.5
41	MP2A	Z	-3.614	5.5
42	MP2A	Mx	-.005	5.5
43	MP2B	X	6.259	1.5
44	MP2B	Z	-3.614	1.5
45	MP2B	Mx	.001	1.5
46	MP2B	X	6.259	5.5
47	MP2B	Z	-3.614	5.5
48	MP2B	Mx	.001	5.5
49	MP2C	X	8.371	1.5
50	MP2C	Z	-4.833	1.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
51	MP2C	Mx	.006	1.5
52	MP2C	X	8.371	5.5
53	MP2C	Z	-4.833	5.5
54	MP2C	Mx	.006	5.5
55	MP3A	X	2.657	2.5
56	MP3A	Z	-1.534	2.5
57	MP3A	Mx	-.001	2.5
58	MP3A	X	2.657	4.5
59	MP3A	Z	-1.534	4.5
60	MP3A	Mx	-.001	4.5
61	MP3B	X	2.657	2.5
62	MP3B	Z	-1.534	2.5
63	MP3B	Mx	.001	2.5
64	MP3B	X	2.657	4.5
65	MP3B	Z	-1.534	4.5
66	MP3B	Mx	.001	4.5
67	MP3C	X	4.888	2.5
68	MP3C	Z	-2.822	2.5
69	MP3C	Mx	0	2.5
70	MP3C	X	4.888	4.5
71	MP3C	Z	-2.822	4.5
72	MP3C	Mx	0	4.5
73	MP1A	X	2.922	4.25
74	MP1A	Z	-1.687	4.25
75	MP1A	Mx	.001	4.25
76	MP1B	X	2.922	4.25
77	MP1B	Z	-1.687	4.25
78	MP1B	Mx	-.001	4.25
79	MP1C	X	3.889	4.25
80	MP1C	Z	-2.246	4.25
81	MP1C	Mx	0	4.25
82	MP2A	X	2.552	4.25
83	MP2A	Z	-1.473	4.25
84	MP2A	Mx	.001	4.25
85	MP2B	X	2.552	4.25
86	MP2B	Z	-1.473	4.25
87	MP2B	Mx	-.001	4.25
88	MP2C	X	3.889	4.25
89	MP2C	Z	-2.246	4.25
90	MP2C	Mx	0	4.25
91	MP3A	X	1.296	4.25
92	MP3A	Z	-.748	4.25
93	MP3A	Mx	.000648	4.25
94	MP3B	X	1.296	4.25
95	MP3B	Z	-.748	4.25
96	MP3B	Mx	-.000648	4.25
97	MP3C	X	2.059	4.25
98	MP3C	Z	-1.189	4.25
99	MP3C	Mx	0	4.25
100	M113	X	6.442	1
101	M113	Z	-3.719	1
102	M113	Mx	0	1
103	M113	X	6.442	1
104	M113	Z	-3.719	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP1A	X	7.373	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.004	.5
4	MP1A	X	7.373	6.5
5	MP1A	Z	0	6.5
6	MP1A	Mx	-.004	6.5
7	MP1B	X	10.156	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.003	.5
10	MP1B	X	10.156	6.5
11	MP1B	Z	0	6.5
12	MP1B	Mx	.003	6.5
13	MP1C	X	10.156	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.003	.5
16	MP1C	X	10.156	6.5
17	MP1C	Z	0	6.5
18	MP1C	Mx	.003	6.5
19	MP2A	X	6.414	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.003	1.5
22	MP2A	X	6.414	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.003	5.5
25	MP2B	X	8.88	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.007	1.5
28	MP2B	X	8.88	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.007	5.5
31	MP2C	X	8.88	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	-.002	1.5
34	MP2C	X	8.88	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.002	5.5
37	MP2A	X	6.414	1.5
38	MP2A	Z	0	1.5
39	MP2A	Mx	-.003	1.5
40	MP2A	X	6.414	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	-.003	5.5
43	MP2B	X	8.853	1.5
44	MP2B	Z	0	1.5
45	MP2B	Mx	-.002	1.5
46	MP2B	X	8.853	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	-.002	5.5
49	MP2C	X	8.853	1.5
50	MP2C	Z	0	1.5
51	MP2C	Mx	.007	1.5
52	MP2C	X	8.853	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	.007	5.5
55	MP3A	X	2.21	2.5
56	MP3A	Z	0	2.5
57	MP3A	Mx	-.001	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP3A	X	2.21	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	-.001	4.5
61	MP3B	X	4.785	2.5
62	MP3B	Z	0	2.5
63	MP3B	Mx	.001	2.5
64	MP3B	X	4.785	4.5
65	MP3B	Z	0	4.5
66	MP3B	Mx	.001	4.5
67	MP3C	X	4.785	2.5
68	MP3C	Z	0	2.5
69	MP3C	Mx	.001	2.5
70	MP3C	X	4.785	4.5
71	MP3C	Z	0	4.5
72	MP3C	Mx	.001	4.5
73	MP1A	X	3.002	4.25
74	MP1A	Z	0	4.25
75	MP1A	Mx	.002	4.25
76	MP1B	X	4.119	4.25
77	MP1B	Z	0	4.25
78	MP1B	Mx	-.001	4.25
79	MP1C	X	4.119	4.25
80	MP1C	Z	0	4.25
81	MP1C	Mx	-.001	4.25
82	MP2A	X	2.432	4.25
83	MP2A	Z	0	4.25
84	MP2A	Mx	.001	4.25
85	MP2B	X	3.976	4.25
86	MP2B	Z	0	4.25
87	MP2B	Mx	-.000994	4.25
88	MP2C	X	3.976	4.25
89	MP2C	Z	0	4.25
90	MP2C	Mx	-.000994	4.25
91	MP3A	X	1.203	4.25
92	MP3A	Z	0	4.25
93	MP3A	Mx	.000602	4.25
94	MP3B	X	2.084	4.25
95	MP3B	Z	0	4.25
96	MP3B	Mx	-.000521	4.25
97	MP3C	X	2.084	4.25
98	MP3C	Z	0	4.25
99	MP3C	Mx	-.000521	4.25
100	M113	X	8.017	1
101	M113	Z	0	1
102	M113	Mx	0	1
103	M113	X	8.017	1
104	M113	Z	0	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	7.189	.5
2	MP1A	Z	4.15	.5
3	MP1A	Mx	-.004	.5
4	MP1A	X	7.189	6.5
5	MP1A	Z	4.15	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
6	MP1A	Mx	-.004	6.5
7	MP1B	X	9.599	.5
8	MP1B	Z	5.542	.5
9	MP1B	Mx	0	.5
10	MP1B	X	9.599	6.5
11	MP1B	Z	5.542	6.5
12	MP1B	Mx	0	6.5
13	MP1C	X	7.189	.5
14	MP1C	Z	4.15	.5
15	MP1C	Mx	.004	.5
16	MP1C	X	7.189	6.5
17	MP1C	Z	4.15	6.5
18	MP1C	Mx	.004	6.5
19	MP2A	X	6.267	1.5
20	MP2A	Z	3.618	1.5
21	MP2A	Mx	-.005	1.5
22	MP2A	X	6.267	5.5
23	MP2A	Z	3.618	5.5
24	MP2A	Mx	-.005	5.5
25	MP2B	X	8.403	1.5
26	MP2B	Z	4.851	1.5
27	MP2B	Mx	.006	1.5
28	MP2B	X	8.403	5.5
29	MP2B	Z	4.851	5.5
30	MP2B	Mx	.006	5.5
31	MP2C	X	6.267	1.5
32	MP2C	Z	3.618	1.5
33	MP2C	Mx	.001	1.5
34	MP2C	X	6.267	5.5
35	MP2C	Z	3.618	5.5
36	MP2C	Mx	.001	5.5
37	MP2A	X	6.259	1.5
38	MP2A	Z	3.614	1.5
39	MP2A	Mx	-.001	1.5
40	MP2A	X	6.259	5.5
41	MP2A	Z	3.614	5.5
42	MP2A	Mx	-.001	5.5
43	MP2B	X	8.371	1.5
44	MP2B	Z	4.833	1.5
45	MP2B	Mx	-.006	1.5
46	MP2B	X	8.371	5.5
47	MP2B	Z	4.833	5.5
48	MP2B	Mx	-.006	5.5
49	MP2C	X	6.259	1.5
50	MP2C	Z	3.614	1.5
51	MP2C	Mx	.005	1.5
52	MP2C	X	6.259	5.5
53	MP2C	Z	3.614	5.5
54	MP2C	Mx	.005	5.5
55	MP3A	X	2.657	2.5
56	MP3A	Z	1.534	2.5
57	MP3A	Mx	-.001	2.5
58	MP3A	X	2.657	4.5
59	MP3A	Z	1.534	4.5
60	MP3A	Mx	-.001	4.5
61	MP3B	X	4.888	2.5
62	MP3B	Z	2.822	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
63	MP3B	Mx	0	2.5
64	MP3B	X	4.888	4.5
65	MP3B	Z	2.822	4.5
66	MP3B	Mx	0	4.5
67	MP3C	X	2.657	2.5
68	MP3C	Z	1.534	2.5
69	MP3C	Mx	.001	2.5
70	MP3C	X	2.657	4.5
71	MP3C	Z	1.534	4.5
72	MP3C	Mx	.001	4.5
73	MP1A	X	2.922	4.25
74	MP1A	Z	1.687	4.25
75	MP1A	Mx	.001	4.25
76	MP1B	X	3.889	4.25
77	MP1B	Z	2.246	4.25
78	MP1B	Mx	0	4.25
79	MP1C	X	2.922	4.25
80	MP1C	Z	1.687	4.25
81	MP1C	Mx	-.001	4.25
82	MP2A	X	2.552	4.25
83	MP2A	Z	1.473	4.25
84	MP2A	Mx	.001	4.25
85	MP2B	X	3.889	4.25
86	MP2B	Z	2.246	4.25
87	MP2B	Mx	0	4.25
88	MP2C	X	2.552	4.25
89	MP2C	Z	1.473	4.25
90	MP2C	Mx	-.001	4.25
91	MP3A	X	1.296	4.25
92	MP3A	Z	.748	4.25
93	MP3A	Mx	.000648	4.25
94	MP3B	X	2.059	4.25
95	MP3B	Z	1.189	4.25
96	MP3B	Mx	0	4.25
97	MP3C	X	1.296	4.25
98	MP3C	Z	.748	4.25
99	MP3C	Mx	-.000648	4.25
100	M113	X	7.944	1
101	M113	Z	4.586	1
102	M113	Mx	0	1
103	M113	X	7.944	1
104	M113	Z	4.586	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP1A	X	5.078	.5
2	MP1A	Z	8.795	.5
3	MP1A	Mx	-.003	.5
4	MP1A	X	5.078	6.5
5	MP1A	Z	8.795	6.5
6	MP1A	Mx	-.003	6.5
7	MP1B	X	5.078	.5
8	MP1B	Z	8.795	.5
9	MP1B	Mx	-.003	.5
10	MP1B	X	5.078	6.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
11	MP1B	Z	8.795	6.5
12	MP1B	Mx	-.003	6.5
13	MP1C	X	3.687	.5
14	MP1C	Z	6.385	.5
15	MP1C	Mx	.004	.5
16	MP1C	X	3.687	6.5
17	MP1C	Z	6.385	6.5
18	MP1C	Mx	.004	6.5
19	MP2A	X	4.44	1.5
20	MP2A	Z	7.691	1.5
21	MP2A	Mx	-.007	1.5
22	MP2A	X	4.44	5.5
23	MP2A	Z	7.691	5.5
24	MP2A	Mx	-.007	5.5
25	MP2B	X	4.44	1.5
26	MP2B	Z	7.691	1.5
27	MP2B	Mx	.002	1.5
28	MP2B	X	4.44	5.5
29	MP2B	Z	7.691	5.5
30	MP2B	Mx	.002	5.5
31	MP2C	X	3.207	1.5
32	MP2C	Z	5.555	1.5
33	MP2C	Mx	.003	1.5
34	MP2C	X	3.207	5.5
35	MP2C	Z	5.555	5.5
36	MP2C	Mx	.003	5.5
37	MP2A	X	4.427	1.5
38	MP2A	Z	7.667	1.5
39	MP2A	Mx	.002	1.5
40	MP2A	X	4.427	5.5
41	MP2A	Z	7.667	5.5
42	MP2A	Mx	.002	5.5
43	MP2B	X	4.427	1.5
44	MP2B	Z	7.667	1.5
45	MP2B	Mx	-.007	1.5
46	MP2B	X	4.427	5.5
47	MP2B	Z	7.667	5.5
48	MP2B	Mx	-.007	5.5
49	MP2C	X	3.207	1.5
50	MP2C	Z	5.555	1.5
51	MP2C	Mx	.003	1.5
52	MP2C	X	3.207	5.5
53	MP2C	Z	5.555	5.5
54	MP2C	Mx	.003	5.5
55	MP3A	X	2.393	2.5
56	MP3A	Z	4.144	2.5
57	MP3A	Mx	-.001	2.5
58	MP3A	X	2.393	4.5
59	MP3A	Z	4.144	4.5
60	MP3A	Mx	-.001	4.5
61	MP3B	X	2.393	2.5
62	MP3B	Z	4.144	2.5
63	MP3B	Mx	-.001	2.5
64	MP3B	X	2.393	4.5
65	MP3B	Z	4.144	4.5
66	MP3B	Mx	-.001	4.5
67	MP3C	X	1.105	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
68	MP3C	Z	1.914	2.5
69	MP3C	Mx	.001	2.5
70	MP3C	X	1.105	4.5
71	MP3C	Z	1.914	4.5
72	MP3C	Mx	.001	4.5
73	MP1A	X	2.059	4.25
74	MP1A	Z	3.567	4.25
75	MP1A	Mx	.001	4.25
76	MP1B	X	2.059	4.25
77	MP1B	Z	3.567	4.25
78	MP1B	Mx	.001	4.25
79	MP1C	X	1.501	4.25
80	MP1C	Z	2.6	4.25
81	MP1C	Mx	-.002	4.25
82	MP2A	X	1.988	4.25
83	MP2A	Z	3.443	4.25
84	MP2A	Mx	.000994	4.25
85	MP2B	X	1.988	4.25
86	MP2B	Z	3.443	4.25
87	MP2B	Mx	.000994	4.25
88	MP2C	X	1.216	4.25
89	MP2C	Z	2.106	4.25
90	MP2C	Mx	-.001	4.25
91	MP3A	X	1.042	4.25
92	MP3A	Z	1.805	4.25
93	MP3A	Mx	.000521	4.25
94	MP3B	X	1.042	4.25
95	MP3B	Z	1.805	4.25
96	MP3B	Mx	.000521	4.25
97	MP3C	X	.602	4.25
98	MP3C	Z	1.042	4.25
99	MP3C	Mx	-.000602	4.25
100	M113	X	4.875	1
101	M113	Z	8.444	1
102	M113	Mx	0	1
103	M113	X	4.875	1
104	M113	Z	8.444	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	11.083	.5
3	MP1A	Mx	0	.5
4	MP1A	X	0	6.5
5	MP1A	Z	11.083	6.5
6	MP1A	Mx	0	6.5
7	MP1B	X	0	.5
8	MP1B	Z	8.301	.5
9	MP1B	Mx	-.004	.5
10	MP1B	X	0	6.5
11	MP1B	Z	8.301	6.5
12	MP1B	Mx	-.004	6.5
13	MP1C	X	0	.5
14	MP1C	Z	8.301	.5
15	MP1C	Mx	.004	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
16	MP1C	X	0	6.5
17	MP1C	Z	8.301	6.5
18	MP1C	Mx	.004	6.5
19	MP2A	X	0	1.5
20	MP2A	Z	9.702	1.5
21	MP2A	Mx	-.006	1.5
22	MP2A	X	0	5.5
23	MP2A	Z	9.702	5.5
24	MP2A	Mx	-.006	5.5
25	MP2B	X	0	1.5
26	MP2B	Z	7.236	1.5
27	MP2B	Mx	-.001	1.5
28	MP2B	X	0	5.5
29	MP2B	Z	7.236	5.5
30	MP2B	Mx	-.001	5.5
31	MP2C	X	0	1.5
32	MP2C	Z	7.236	1.5
33	MP2C	Mx	.005	1.5
34	MP2C	X	0	5.5
35	MP2C	Z	7.236	5.5
36	MP2C	Mx	.005	5.5
37	MP2A	X	0	1.5
38	MP2A	Z	9.666	1.5
39	MP2A	Mx	.006	1.5
40	MP2A	X	0	5.5
41	MP2A	Z	9.666	5.5
42	MP2A	Mx	.006	5.5
43	MP2B	X	0	1.5
44	MP2B	Z	7.227	1.5
45	MP2B	Mx	-.005	1.5
46	MP2B	X	0	5.5
47	MP2B	Z	7.227	5.5
48	MP2B	Mx	-.005	5.5
49	MP2C	X	0	1.5
50	MP2C	Z	7.227	1.5
51	MP2C	Mx	.001	1.5
52	MP2C	X	0	5.5
53	MP2C	Z	7.227	5.5
54	MP2C	Mx	.001	5.5
55	MP3A	X	0	2.5
56	MP3A	Z	5.644	2.5
57	MP3A	Mx	0	2.5
58	MP3A	X	0	4.5
59	MP3A	Z	5.644	4.5
60	MP3A	Mx	0	4.5
61	MP3B	X	0	2.5
62	MP3B	Z	3.068	2.5
63	MP3B	Mx	-.001	2.5
64	MP3B	X	0	4.5
65	MP3B	Z	3.068	4.5
66	MP3B	Mx	-.001	4.5
67	MP3C	X	0	2.5
68	MP3C	Z	3.068	2.5
69	MP3C	Mx	.001	2.5
70	MP3C	X	0	4.5
71	MP3C	Z	3.068	4.5
72	MP3C	Mx	.001	4.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
73	MP1A	X	0	4.25
74	MP1A	Z	4.491	4.25
75	MP1A	Mx	0	4.25
76	MP1B	X	0	4.25
77	MP1B	Z	3.374	4.25
78	MP1B	Mx	.001	4.25
79	MP1C	X	0	4.25
80	MP1C	Z	3.374	4.25
81	MP1C	Mx	-.001	4.25
82	MP2A	X	0	4.25
83	MP2A	Z	4.491	4.25
84	MP2A	Mx	0	4.25
85	MP2B	X	0	4.25
86	MP2B	Z	2.946	4.25
87	MP2B	Mx	.001	4.25
88	MP2C	X	0	4.25
89	MP2C	Z	2.946	4.25
90	MP2C	Mx	-.001	4.25
91	MP3A	X	0	4.25
92	MP3A	Z	2.378	4.25
93	MP3A	Mx	0	4.25
94	MP3B	X	0	4.25
95	MP3B	Z	1.497	4.25
96	MP3B	Mx	.000648	4.25
97	MP3C	X	0	4.25
98	MP3C	Z	1.497	4.25
99	MP3C	Mx	-.000648	4.25
100	M113	X	0	1
101	M113	Z	9.173	1
102	M113	Mx	0	1
103	M113	X	0	1
104	M113	Z	9.173	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP1A	X	-5.078	.5
2	MP1A	Z	8.795	.5
3	MP1A	Mx	.003	.5
4	MP1A	X	-5.078	6.5
5	MP1A	Z	8.795	6.5
6	MP1A	Mx	.003	6.5
7	MP1B	X	-3.687	.5
8	MP1B	Z	6.385	.5
9	MP1B	Mx	-.004	.5
10	MP1B	X	-3.687	6.5
11	MP1B	Z	6.385	6.5
12	MP1B	Mx	-.004	6.5
13	MP1C	X	-5.078	.5
14	MP1C	Z	8.795	.5
15	MP1C	Mx	.003	.5
16	MP1C	X	-5.078	6.5
17	MP1C	Z	8.795	6.5
18	MP1C	Mx	.003	6.5
19	MP2A	X	-4.44	1.5
20	MP2A	Z	7.691	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
21	MP2A	Mx	-0.002	1.5
22	MP2A	X	-4.44	5.5
23	MP2A	Z	7.691	5.5
24	MP2A	Mx	-0.002	5.5
25	MP2B	X	-3.207	1.5
26	MP2B	Z	5.555	1.5
27	MP2B	Mx	-0.003	1.5
28	MP2B	X	-3.207	5.5
29	MP2B	Z	5.555	5.5
30	MP2B	Mx	-0.003	5.5
31	MP2C	X	-4.44	1.5
32	MP2C	Z	7.691	1.5
33	MP2C	Mx	.007	1.5
34	MP2C	X	-4.44	5.5
35	MP2C	Z	7.691	5.5
36	MP2C	Mx	.007	5.5
37	MP2A	X	-4.427	1.5
38	MP2A	Z	7.667	1.5
39	MP2A	Mx	.007	1.5
40	MP2A	X	-4.427	5.5
41	MP2A	Z	7.667	5.5
42	MP2A	Mx	.007	5.5
43	MP2B	X	-3.207	1.5
44	MP2B	Z	5.555	1.5
45	MP2B	Mx	-0.003	1.5
46	MP2B	X	-3.207	5.5
47	MP2B	Z	5.555	5.5
48	MP2B	Mx	-0.003	5.5
49	MP2C	X	-4.427	1.5
50	MP2C	Z	7.667	1.5
51	MP2C	Mx	-0.002	1.5
52	MP2C	X	-4.427	5.5
53	MP2C	Z	7.667	5.5
54	MP2C	Mx	-0.002	5.5
55	MP3A	X	-2.393	2.5
56	MP3A	Z	4.144	2.5
57	MP3A	Mx	.001	2.5
58	MP3A	X	-2.393	4.5
59	MP3A	Z	4.144	4.5
60	MP3A	Mx	.001	4.5
61	MP3B	X	-1.105	2.5
62	MP3B	Z	1.914	2.5
63	MP3B	Mx	-0.001	2.5
64	MP3B	X	-1.105	4.5
65	MP3B	Z	1.914	4.5
66	MP3B	Mx	-0.001	4.5
67	MP3C	X	-2.393	2.5
68	MP3C	Z	4.144	2.5
69	MP3C	Mx	.001	2.5
70	MP3C	X	-2.393	4.5
71	MP3C	Z	4.144	4.5
72	MP3C	Mx	.001	4.5
73	MP1A	X	-2.059	4.25
74	MP1A	Z	3.567	4.25
75	MP1A	Mx	-0.001	4.25
76	MP1B	X	-1.501	4.25
77	MP1B	Z	2.6	4.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1B	Mx	.002	4.25
79	MP1C	X	-2.059	4.25
80	MP1C	Z	3.567	4.25
81	MP1C	Mx	-.001	4.25
82	MP2A	X	-1.988	4.25
83	MP2A	Z	3.443	4.25
84	MP2A	Mx	-.000994	4.25
85	MP2B	X	-1.216	4.25
86	MP2B	Z	2.106	4.25
87	MP2B	Mx	.001	4.25
88	MP2C	X	-1.988	4.25
89	MP2C	Z	3.443	4.25
90	MP2C	Mx	-.000994	4.25
91	MP3A	X	-1.042	4.25
92	MP3A	Z	1.805	4.25
93	MP3A	Mx	-.000521	4.25
94	MP3B	X	-.602	4.25
95	MP3B	Z	1.042	4.25
96	MP3B	Mx	.000602	4.25
97	MP3C	X	-1.042	4.25
98	MP3C	Z	1.805	4.25
99	MP3C	Mx	-.000521	4.25
100	M113	X	-4.008	1
101	M113	Z	6.943	1
102	M113	Mx	0	1
103	M113	X	-4.008	1
104	M113	Z	6.943	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-7.189	.5
2	MP1A	Z	4.15	.5
3	MP1A	Mx	.004	.5
4	MP1A	X	-7.189	6.5
5	MP1A	Z	4.15	6.5
6	MP1A	Mx	.004	6.5
7	MP1B	X	-7.189	.5
8	MP1B	Z	4.15	.5
9	MP1B	Mx	-.004	.5
10	MP1B	X	-7.189	6.5
11	MP1B	Z	4.15	6.5
12	MP1B	Mx	-.004	6.5
13	MP1C	X	-9.599	.5
14	MP1C	Z	5.542	.5
15	MP1C	Mx	0	.5
16	MP1C	X	-9.599	6.5
17	MP1C	Z	5.542	6.5
18	MP1C	Mx	0	6.5
19	MP2A	X	-6.267	1.5
20	MP2A	Z	3.618	1.5
21	MP2A	Mx	.001	1.5
22	MP2A	X	-6.267	5.5
23	MP2A	Z	3.618	5.5
24	MP2A	Mx	.001	5.5
25	MP2B	X	-6.267	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
26	MP2B	Z	3.618	1.5
27	MP2B	Mx	-0.005	1.5
28	MP2B	X	-6.267	5.5
29	MP2B	Z	3.618	5.5
30	MP2B	Mx	-0.005	5.5
31	MP2C	X	-8.403	1.5
32	MP2C	Z	4.851	1.5
33	MP2C	Mx	.006	1.5
34	MP2C	X	-8.403	5.5
35	MP2C	Z	4.851	5.5
36	MP2C	Mx	.006	5.5
37	MP2A	X	-6.259	1.5
38	MP2A	Z	3.614	1.5
39	MP2A	Mx	.005	1.5
40	MP2A	X	-6.259	5.5
41	MP2A	Z	3.614	5.5
42	MP2A	Mx	.005	5.5
43	MP2B	X	-6.259	1.5
44	MP2B	Z	3.614	1.5
45	MP2B	Mx	-0.001	1.5
46	MP2B	X	-6.259	5.5
47	MP2B	Z	3.614	5.5
48	MP2B	Mx	-0.001	5.5
49	MP2C	X	-8.371	1.5
50	MP2C	Z	4.833	1.5
51	MP2C	Mx	-0.006	1.5
52	MP2C	X	-8.371	5.5
53	MP2C	Z	4.833	5.5
54	MP2C	Mx	-0.006	5.5
55	MP3A	X	-2.657	2.5
56	MP3A	Z	1.534	2.5
57	MP3A	Mx	.001	2.5
58	MP3A	X	-2.657	4.5
59	MP3A	Z	1.534	4.5
60	MP3A	Mx	.001	4.5
61	MP3B	X	-2.657	2.5
62	MP3B	Z	1.534	2.5
63	MP3B	Mx	-0.001	2.5
64	MP3B	X	-2.657	4.5
65	MP3B	Z	1.534	4.5
66	MP3B	Mx	-0.001	4.5
67	MP3C	X	-4.888	2.5
68	MP3C	Z	2.822	2.5
69	MP3C	Mx	0	2.5
70	MP3C	X	-4.888	4.5
71	MP3C	Z	2.822	4.5
72	MP3C	Mx	0	4.5
73	MP1A	X	-2.922	4.25
74	MP1A	Z	1.687	4.25
75	MP1A	Mx	-0.001	4.25
76	MP1B	X	-2.922	4.25
77	MP1B	Z	1.687	4.25
78	MP1B	Mx	.001	4.25
79	MP1C	X	-3.889	4.25
80	MP1C	Z	2.246	4.25
81	MP1C	Mx	0	4.25
82	MP2A	X	-2.552	4.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP2A	Z	1.473	4.25
84	MP2A	Mx	-.001	4.25
85	MP2B	X	-2.552	4.25
86	MP2B	Z	1.473	4.25
87	MP2B	Mx	.001	4.25
88	MP2C	X	-3.889	4.25
89	MP2C	Z	2.246	4.25
90	MP2C	Mx	0	4.25
91	MP3A	X	-1.296	4.25
92	MP3A	Z	.748	4.25
93	MP3A	Mx	-.000648	4.25
94	MP3B	X	-1.296	4.25
95	MP3B	Z	.748	4.25
96	MP3B	Mx	.000648	4.25
97	MP3C	X	-2.059	4.25
98	MP3C	Z	1.189	4.25
99	MP3C	Mx	0	4.25
100	M113	X	-6.442	1
101	M113	Z	3.719	1
102	M113	Mx	0	1
103	M113	X	-6.442	1
104	M113	Z	3.719	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-7.373	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.004	.5
4	MP1A	X	-7.373	6.5
5	MP1A	Z	0	6.5
6	MP1A	Mx	.004	6.5
7	MP1B	X	-10.156	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.003	.5
10	MP1B	X	-10.156	6.5
11	MP1B	Z	0	6.5
12	MP1B	Mx	-.003	6.5
13	MP1C	X	-10.156	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.003	.5
16	MP1C	X	-10.156	6.5
17	MP1C	Z	0	6.5
18	MP1C	Mx	-.003	6.5
19	MP2A	X	-6.414	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.003	1.5
22	MP2A	X	-6.414	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.003	5.5
25	MP2B	X	-8.88	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.007	1.5
28	MP2B	X	-8.88	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.007	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
31	MP2C	X	-8.88	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	.002	1.5
34	MP2C	X	-8.88	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.002	5.5
37	MP2A	X	-6.414	1.5
38	MP2A	Z	0	1.5
39	MP2A	Mx	.003	1.5
40	MP2A	X	-6.414	5.5
41	MP2A	Z	0	5.5
42	MP2A	Mx	.003	5.5
43	MP2B	X	-8.853	1.5
44	MP2B	Z	0	1.5
45	MP2B	Mx	.002	1.5
46	MP2B	X	-8.853	5.5
47	MP2B	Z	0	5.5
48	MP2B	Mx	.002	5.5
49	MP2C	X	-8.853	1.5
50	MP2C	Z	0	1.5
51	MP2C	Mx	-.007	1.5
52	MP2C	X	-8.853	5.5
53	MP2C	Z	0	5.5
54	MP2C	Mx	-.007	5.5
55	MP3A	X	-2.21	2.5
56	MP3A	Z	0	2.5
57	MP3A	Mx	.001	2.5
58	MP3A	X	-2.21	4.5
59	MP3A	Z	0	4.5
60	MP3A	Mx	.001	4.5
61	MP3B	X	-4.785	2.5
62	MP3B	Z	0	2.5
63	MP3B	Mx	-.001	2.5
64	MP3B	X	-4.785	4.5
65	MP3B	Z	0	4.5
66	MP3B	Mx	-.001	4.5
67	MP3C	X	-4.785	2.5
68	MP3C	Z	0	2.5
69	MP3C	Mx	-.001	2.5
70	MP3C	X	-4.785	4.5
71	MP3C	Z	0	4.5
72	MP3C	Mx	-.001	4.5
73	MP1A	X	-3.002	4.25
74	MP1A	Z	0	4.25
75	MP1A	Mx	-.002	4.25
76	MP1B	X	-4.119	4.25
77	MP1B	Z	0	4.25
78	MP1B	Mx	.001	4.25
79	MP1C	X	-4.119	4.25
80	MP1C	Z	0	4.25
81	MP1C	Mx	.001	4.25
82	MP2A	X	-2.432	4.25
83	MP2A	Z	0	4.25
84	MP2A	Mx	-.001	4.25
85	MP2B	X	-3.976	4.25
86	MP2B	Z	0	4.25
87	MP2B	Mx	.000994	4.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
88	MP2C	X	-3.976	4.25
89	MP2C	Z	0	4.25
90	MP2C	Mx	.000994	4.25
91	MP3A	X	-1.203	4.25
92	MP3A	Z	0	4.25
93	MP3A	Mx	-.000602	4.25
94	MP3B	X	-2.084	4.25
95	MP3B	Z	0	4.25
96	MP3B	Mx	.000521	4.25
97	MP3C	X	-2.084	4.25
98	MP3C	Z	0	4.25
99	MP3C	Mx	.000521	4.25
100	M113	X	-8.017	1
101	M113	Z	0	1
102	M113	Mx	0	1
103	M113	X	-8.017	1
104	M113	Z	0	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-7.189	.5
2	MP1A	Z	-4.15	.5
3	MP1A	Mx	.004	.5
4	MP1A	X	-7.189	6.5
5	MP1A	Z	-4.15	6.5
6	MP1A	Mx	.004	6.5
7	MP1B	X	-9.599	.5
8	MP1B	Z	-5.542	.5
9	MP1B	Mx	0	.5
10	MP1B	X	-9.599	6.5
11	MP1B	Z	-5.542	6.5
12	MP1B	Mx	0	6.5
13	MP1C	X	-7.189	.5
14	MP1C	Z	-4.15	.5
15	MP1C	Mx	-.004	.5
16	MP1C	X	-7.189	6.5
17	MP1C	Z	-4.15	6.5
18	MP1C	Mx	-.004	6.5
19	MP2A	X	-6.267	1.5
20	MP2A	Z	-3.618	1.5
21	MP2A	Mx	.005	1.5
22	MP2A	X	-6.267	5.5
23	MP2A	Z	-3.618	5.5
24	MP2A	Mx	.005	5.5
25	MP2B	X	-8.403	1.5
26	MP2B	Z	-4.851	1.5
27	MP2B	Mx	-.006	1.5
28	MP2B	X	-8.403	5.5
29	MP2B	Z	-4.851	5.5
30	MP2B	Mx	-.006	5.5
31	MP2C	X	-6.267	1.5
32	MP2C	Z	-3.618	1.5
33	MP2C	Mx	-.001	1.5
34	MP2C	X	-6.267	5.5
35	MP2C	Z	-3.618	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
36	MP2C	Mx	-.001	5.5
37	MP2A	X	-6.259	1.5
38	MP2A	Z	-3.614	1.5
39	MP2A	Mx	.001	1.5
40	MP2A	X	-6.259	5.5
41	MP2A	Z	-3.614	5.5
42	MP2A	Mx	.001	5.5
43	MP2B	X	-8.371	1.5
44	MP2B	Z	-4.833	1.5
45	MP2B	Mx	.006	1.5
46	MP2B	X	-8.371	5.5
47	MP2B	Z	-4.833	5.5
48	MP2B	Mx	.006	5.5
49	MP2C	X	-6.259	1.5
50	MP2C	Z	-3.614	1.5
51	MP2C	Mx	-.005	1.5
52	MP2C	X	-6.259	5.5
53	MP2C	Z	-3.614	5.5
54	MP2C	Mx	-.005	5.5
55	MP3A	X	-2.657	2.5
56	MP3A	Z	-1.534	2.5
57	MP3A	Mx	.001	2.5
58	MP3A	X	-2.657	4.5
59	MP3A	Z	-1.534	4.5
60	MP3A	Mx	.001	4.5
61	MP3B	X	-4.888	2.5
62	MP3B	Z	-2.822	2.5
63	MP3B	Mx	0	2.5
64	MP3B	X	-4.888	4.5
65	MP3B	Z	-2.822	4.5
66	MP3B	Mx	0	4.5
67	MP3C	X	-2.657	2.5
68	MP3C	Z	-1.534	2.5
69	MP3C	Mx	-.001	2.5
70	MP3C	X	-2.657	4.5
71	MP3C	Z	-1.534	4.5
72	MP3C	Mx	-.001	4.5
73	MP1A	X	-2.922	4.25
74	MP1A	Z	-1.687	4.25
75	MP1A	Mx	-.001	4.25
76	MP1B	X	-3.889	4.25
77	MP1B	Z	-2.246	4.25
78	MP1B	Mx	0	4.25
79	MP1C	X	-2.922	4.25
80	MP1C	Z	-1.687	4.25
81	MP1C	Mx	.001	4.25
82	MP2A	X	-2.552	4.25
83	MP2A	Z	-1.473	4.25
84	MP2A	Mx	-.001	4.25
85	MP2B	X	-3.889	4.25
86	MP2B	Z	-2.246	4.25
87	MP2B	Mx	0	4.25
88	MP2C	X	-2.552	4.25
89	MP2C	Z	-1.473	4.25
90	MP2C	Mx	.001	4.25
91	MP3A	X	-1.296	4.25
92	MP3A	Z	-.748	4.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
93	MP3A	Mx	-0.00648	4.25
94	MP3B	X	-2.059	4.25
95	MP3B	Z	-1.189	4.25
96	MP3B	Mx	0	4.25
97	MP3C	X	-1.296	4.25
98	MP3C	Z	-.748	4.25
99	MP3C	Mx	.000648	4.25
100	M113	X	-7.944	1
101	M113	Z	-4.586	1
102	M113	Mx	0	1
103	M113	X	-7.944	1
104	M113	Z	-4.586	1
105	M113	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1A	X	-5.078	.5
2	MP1A	Z	-8.795	.5
3	MP1A	Mx	.003	.5
4	MP1A	X	-5.078	6.5
5	MP1A	Z	-8.795	6.5
6	MP1A	Mx	.003	6.5
7	MP1B	X	-5.078	.5
8	MP1B	Z	-8.795	.5
9	MP1B	Mx	.003	.5
10	MP1B	X	-5.078	6.5
11	MP1B	Z	-8.795	6.5
12	MP1B	Mx	.003	6.5
13	MP1C	X	-3.687	.5
14	MP1C	Z	-6.385	.5
15	MP1C	Mx	-.004	.5
16	MP1C	X	-3.687	6.5
17	MP1C	Z	-6.385	6.5
18	MP1C	Mx	-.004	6.5
19	MP2A	X	-4.44	1.5
20	MP2A	Z	-7.691	1.5
21	MP2A	Mx	.007	1.5
22	MP2A	X	-4.44	5.5
23	MP2A	Z	-7.691	5.5
24	MP2A	Mx	.007	5.5
25	MP2B	X	-4.44	1.5
26	MP2B	Z	-7.691	1.5
27	MP2B	Mx	-.002	1.5
28	MP2B	X	-4.44	5.5
29	MP2B	Z	-7.691	5.5
30	MP2B	Mx	-.002	5.5
31	MP2C	X	-3.207	1.5
32	MP2C	Z	-5.555	1.5
33	MP2C	Mx	-.003	1.5
34	MP2C	X	-3.207	5.5
35	MP2C	Z	-5.555	5.5
36	MP2C	Mx	-.003	5.5
37	MP2A	X	-4.427	1.5
38	MP2A	Z	-7.667	1.5
39	MP2A	Mx	-.002	1.5
40	MP2A	X	-4.427	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
41	MP2A	Z	-7.667	5.5
42	MP2A	Mx	-0.002	5.5
43	MP2B	X	-4.427	1.5
44	MP2B	Z	-7.667	1.5
45	MP2B	Mx	.007	1.5
46	MP2B	X	-4.427	5.5
47	MP2B	Z	-7.667	5.5
48	MP2B	Mx	.007	5.5
49	MP2C	X	-3.207	1.5
50	MP2C	Z	-5.555	1.5
51	MP2C	Mx	-.003	1.5
52	MP2C	X	-3.207	5.5
53	MP2C	Z	-5.555	5.5
54	MP2C	Mx	-.003	5.5
55	MP3A	X	-2.393	2.5
56	MP3A	Z	-4.144	2.5
57	MP3A	Mx	.001	2.5
58	MP3A	X	-2.393	4.5
59	MP3A	Z	-4.144	4.5
60	MP3A	Mx	.001	4.5
61	MP3B	X	-2.393	2.5
62	MP3B	Z	-4.144	2.5
63	MP3B	Mx	.001	2.5
64	MP3B	X	-2.393	4.5
65	MP3B	Z	-4.144	4.5
66	MP3B	Mx	.001	4.5
67	MP3C	X	-1.105	2.5
68	MP3C	Z	-1.914	2.5
69	MP3C	Mx	-.001	2.5
70	MP3C	X	-1.105	4.5
71	MP3C	Z	-1.914	4.5
72	MP3C	Mx	-.001	4.5
73	MP1A	X	-2.059	4.25
74	MP1A	Z	-3.567	4.25
75	MP1A	Mx	-.001	4.25
76	MP1B	X	-2.059	4.25
77	MP1B	Z	-3.567	4.25
78	MP1B	Mx	-.001	4.25
79	MP1C	X	-1.501	4.25
80	MP1C	Z	-2.6	4.25
81	MP1C	Mx	.002	4.25
82	MP2A	X	-1.988	4.25
83	MP2A	Z	-3.443	4.25
84	MP2A	Mx	-.000994	4.25
85	MP2B	X	-1.988	4.25
86	MP2B	Z	-3.443	4.25
87	MP2B	Mx	-.000994	4.25
88	MP2C	X	-1.216	4.25
89	MP2C	Z	-2.106	4.25
90	MP2C	Mx	.001	4.25
91	MP3A	X	-1.042	4.25
92	MP3A	Z	-1.805	4.25
93	MP3A	Mx	-.000521	4.25
94	MP3B	X	-1.042	4.25
95	MP3B	Z	-1.805	4.25
96	MP3B	Mx	-.000521	4.25
97	MP3C	X	-.602	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP3C	Z	-1.042	4.25
99	MP3C	Mx	.000602	4.25
100	M113	X	-4.875	1
101	M113	Z	-8.444	1
102	M113	Mx	0	1
103	M113	X	-4.875	1
104	M113	Z	-8.444	1
105	M113	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

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

Member Point Loads (BLC 78 : Lm2)

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

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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	-9.691	-9.691	0	%100
35	M128B	Y	-9.691	-9.691	0	%100
36	M129A	Y	-9.691	-9.691	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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
31	M47	X	0	0	%100
32	M47	Z	-2.757	-2.757	%100
33	M1	X	0	0	%100
34	M1	Z	-11.028	-11.028	%100
35	M58	X	0	0	%100
36	M58	Z	-6.705	-6.705	%100
37	M70	X	0	0	%100
38	M70	Z	-1.676	-1.676	%100
39	M82	X	0	0	%100
40	M82	Z	-1.676	-1.676	%100
41	MP1A	X	0	0	%100
42	MP1A	Z	-10.146	-10.146	%100
43	M132A	X	0	0	%100
44	M132A	Z	-2.203	-2.203	%100
45	M133A	X	0	0	%100
46	M133A	Z	-2.203	-2.203	%100
47	M134A	X	0	0	%100
48	M134A	Z	-1.963	-1.963	%100
49	M135A	X	0	0	%100
50	M135A	Z	-1.963	-1.963	%100
51	M140	X	0	0	%100
52	M140	Z	-2.203	-2.203	%100
53	M141	X	0	0	%100
54	M141	Z	-2.203	-2.203	%100
55	M142	X	0	0	%100
56	M142	Z	-1.963	-1.963	%100
57	M143	X	0	0	%100
58	M143	Z	-1.963	-1.963	%100
59	M125	X	0	0	%100
60	M125	Z	-3.672	-3.672	%100
61	M127A	X	0	0	%100
62	M127A	Z	-9.215	-9.215	%100
63	M128A	X	0	0	%100
64	M128A	Z	-9.215	-9.215	%100
65	M129	X	0	0	%100
66	M129	Z	-9.215	-9.215	%100
67	M127B	X	0	0	%100
68	M127B	Z	-.373	-.373	%100
69	M128B	X	0	0	%100
70	M128B	Z	-.373	-.373	%100
71	M129A	X	0	0	%100
72	M129A	Z	-1.49	-1.49	%100
73	M99	X	0	0	%100
74	M99	Z	-6.245	-6.245	%100
75	M100A	X	0	0	%100
76	M100A	Z	-9.649	-9.649	%100
77	M101A	X	0	0	%100
78	M101A	Z	-6.245	-6.245	%100
79	M102	X	0	0	%100
80	M102	Z	-9.649	-9.649	%100
81	MP2A	X	0	0	%100
82	MP2A	Z	-10.146	-10.146	%100
83	MP3A	X	0	0	%100
84	MP3A	Z	-10.146	-10.146	%100
85	MP1C	X	0	0	%100
86	MP1C	Z	-10.146	-10.146	%100
87	MP2C	X	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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



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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	.559	.559	0 %100
70	M128B	Z	-.968	-.968	0 %100
71	M129A	X	.559	.559	0 %100
72	M129A	Z	-.968	-.968	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 43 : Structure Wo (60 Deg))

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	-0.982	-0.982	0	%100
21	M35	X	1.7	1.7	0	%100
22	M35	Z	-0.982	-0.982	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	-0.838	-0.838	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	-0.838	-0.838	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	-0.982	-0.982	0	%100
57	M143	X	1.7	1.7	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	.323	.323	0	%100
68	M127B	Z	- .186	- .186	0	%100
69	M128B	X	1.291	1.291	0	%100
70	M128B	Z	- .745	- .745	0	%100
71	M129A	X	.323	.323	0	%100
72	M129A	Z	- .186	- .186	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
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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



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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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
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	1.118	1.118	0 %100
68	M127B	Z	0	0	0 %100
69	M128B	X	1.118	1.118	0 %100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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



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 Designer :
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 Model Name :

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	1.291	1.291	0 %100
68	M127B	Z	.745	.745	0 %100
69	M128B	X	.323	.323	0 %100
70	M128B	Z	.186	.186	0 %100
71	M129A	X	.323	.323	0 %100
72	M129A	Z	.186	.186	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



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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
37	M70	X	0	0	%100
38	M70	Z	0	0	%100
39	M82	X	2.514	2.514	%100
40	M82	Z	4.355	4.355	%100
41	MP1A	X	5.073	5.073	%100
42	MP1A	Z	8.787	8.787	%100
43	M132A	X	0	0	%100
44	M132A	Z	0	0	%100
45	M133A	X	0	0	%100
46	M133A	Z	0	0	%100
47	M134A	X	0	0	%100
48	M134A	Z	0	0	%100
49	M135A	X	0	0	%100
50	M135A	Z	0	0	%100
51	M140	X	3.304	3.304	%100
52	M140	Z	5.723	5.723	%100
53	M141	X	3.304	3.304	%100
54	M141	Z	5.723	5.723	%100
55	M142	X	2.945	2.945	%100
56	M142	Z	5.101	5.101	%100
57	M143	X	2.945	2.945	%100
58	M143	Z	5.101	5.101	%100
59	M125	X	2.832	2.832	%100
60	M125	Z	4.905	4.905	%100
61	M127A	X	4.607	4.607	%100
62	M127A	Z	7.98	7.98	%100
63	M128A	X	4.607	4.607	%100
64	M128A	Z	7.98	7.98	%100
65	M129	X	4.607	4.607	%100
66	M129	Z	7.98	7.98	%100
67	M127B	X	.559	.559	%100
68	M127B	Z	.968	.968	%100
69	M128B	X	0	0	%100
70	M128B	Z	0	0	%100
71	M129A	X	.559	.559	%100
72	M129A	Z	.968	.968	%100
73	M99	X	4.163	4.163	%100
74	M99	Z	7.211	7.211	%100
75	M100A	X	5.821	5.821	%100
76	M100A	Z	10.082	10.082	%100
77	M101A	X	1.041	1.041	%100
78	M101A	Z	1.803	1.803	%100
79	M102	X	2.832	2.832	%100
80	M102	Z	4.905	4.905	%100
81	MP2A	X	5.073	5.073	%100
82	MP2A	Z	8.787	8.787	%100
83	MP3A	X	5.073	5.073	%100
84	MP3A	Z	8.787	8.787	%100
85	MP1C	X	5.073	5.073	%100
86	MP1C	Z	8.787	8.787	%100
87	MP2C	X	5.073	5.073	%100
88	MP2C	Z	8.787	8.787	%100
89	MP3C	X	5.073	5.073	%100
90	MP3C	Z	8.787	8.787	%100
91	MP1B	X	5.073	5.073	%100
92	MP1B	Z	8.787	8.787	%100
93	MP2B	X	5.073	5.073	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
49	M135A	X	0	0	%100
50	M135A	Z	1.963	1.963	%100
51	M140	X	0	0	%100
52	M140	Z	2.203	2.203	%100
53	M141	X	0	0	%100
54	M141	Z	2.203	2.203	%100
55	M142	X	0	0	%100
56	M142	Z	1.963	1.963	%100
57	M143	X	0	0	%100
58	M143	Z	1.963	1.963	%100
59	M125	X	0	0	%100
60	M125	Z	3.672	3.672	%100
61	M127A	X	0	0	%100
62	M127A	Z	9.215	9.215	%100
63	M128A	X	0	0	%100
64	M128A	Z	9.215	9.215	%100
65	M129	X	0	0	%100
66	M129	Z	9.215	9.215	%100
67	M127B	X	0	0	%100
68	M127B	Z	.373	.373	%100
69	M128B	X	0	0	%100
70	M128B	Z	.373	.373	%100
71	M129A	X	0	0	%100
72	M129A	Z	1.49	1.49	%100
73	M99	X	0	0	%100
74	M99	Z	6.245	6.245	%100
75	M100A	X	0	0	%100
76	M100A	Z	9.649	9.649	%100
77	M101A	X	0	0	%100
78	M101A	Z	6.245	6.245	%100
79	M102	X	0	0	%100
80	M102	Z	9.649	9.649	%100
81	MP2A	X	0	0	%100
82	MP2A	Z	10.146	10.146	%100
83	MP3A	X	0	0	%100
84	MP3A	Z	10.146	10.146	%100
85	MP1C	X	0	0	%100
86	MP1C	Z	10.146	10.146	%100
87	MP2C	X	0	0	%100
88	MP2C	Z	10.146	10.146	%100
89	MP3C	X	0	0	%100
90	MP3C	Z	10.146	10.146	%100
91	MP1B	X	0	0	%100
92	MP1B	Z	10.146	10.146	%100
93	MP2B	X	0	0	%100
94	MP2B	Z	10.146	10.146	%100
95	MP3B	X	0	0	%100
96	MP3B	Z	10.146	10.146	%100
97	M113	X	0	0	%100
98	M113	Z	7.638	7.638	%100

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
1	M6	X	-1.6e-5	-1.6e-5	%100
2	M6	Z	2.8e-5	2.8e-5	%100
3	M7	X	-3.288	-3.288	%100



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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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
60	M125	Z	4.905	4.905	0 %100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	-.559	-.559	0	%100
70	M128B	Z	.968	.968	0	%100
71	M129A	X	-.559	-.559	0	%100
72	M129A	Z	.968	.968	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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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
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	-.323	-.323	0	%100
68	M127B	Z	.186	.186	0	%100
69	M128B	X	-1.291	-1.291	0	%100
70	M128B	Z	.745	.745	0	%100
71	M129A	X	-.323	-.323	0	%100
72	M129A	Z	.186	.186	0	%100

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

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

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

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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
28	M38	Z	0	0	%100
29	M46	X	-8.271	-8.271	%100
30	M46	Z	0	0	%100
31	M47	X	-8.271	-8.271	%100
32	M47	Z	0	0	%100
33	M1	X	0	0	%100
34	M1	Z	0	0	%100
35	M58	X	0	0	%100
36	M58	Z	0	0	%100
37	M70	X	-5.029	-5.029	%100
38	M70	Z	0	0	%100
39	M82	X	-5.029	-5.029	%100
40	M82	Z	0	0	%100
41	MP1A	X	-10.146	-10.146	%100
42	MP1A	Z	0	0	%100
43	M132A	X	-6.608	-6.608	%100
44	M132A	Z	0	0	%100
45	M133A	X	-6.608	-6.608	%100
46	M133A	Z	0	0	%100
47	M134A	X	-5.89	-5.89	%100
48	M134A	Z	0	0	%100
49	M135A	X	-5.89	-5.89	%100
50	M135A	Z	0	0	%100
51	M140	X	-6.608	-6.608	%100
52	M140	Z	0	0	%100
53	M141	X	-6.608	-6.608	%100
54	M141	Z	0	0	%100
55	M142	X	-5.89	-5.89	%100
56	M142	Z	0	0	%100
57	M143	X	-5.89	-5.89	%100
58	M143	Z	0	0	%100
59	M125	X	-11.641	-11.641	%100
60	M125	Z	0	0	%100
61	M127A	X	-9.215	-9.215	%100
62	M127A	Z	0	0	%100
63	M128A	X	-9.215	-9.215	%100
64	M128A	Z	0	0	%100
65	M129	X	-9.215	-9.215	%100
66	M129	Z	0	0	%100
67	M127B	X	-1.118	-1.118	%100
68	M127B	Z	0	0	%100
69	M128B	X	-1.118	-1.118	%100
70	M128B	Z	0	0	%100
71	M129A	X	0	0	%100
72	M129A	Z	0	0	%100
73	M99	X	-2.082	-2.082	%100
74	M99	Z	0	0	%100
75	M100A	X	-5.664	-5.664	%100
76	M100A	Z	0	0	%100
77	M101A	X	-2.082	-2.082	%100
78	M101A	Z	0	0	%100
79	M102	X	-5.664	-5.664	%100
80	M102	Z	0	0	%100
81	MP2A	X	-10.146	-10.146	%100
82	MP2A	Z	0	0	%100
83	MP3A	X	-10.146	-10.146	%100
84	MP3A	Z	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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 51 : Structure Wo (300 Deg))

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F.ksf]	Start Location[ft,%]	End Location[ft,%]
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	-1.291	-1.291	0 %100
68	M127B	Z	-.745	-.745	0 %100
69	M128B	X	-.323	-.323	0 %100
70	M128B	Z	-.186	-.186	0 %100
71	M129A	X	-.323	-.323	0 %100
72	M129A	Z	-.186	-.186	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

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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	-5.59	-5.59	0 %100
68	M127B	Z	-9.68	-9.68	0 %100
69	M128B	X	0	0	0 %100
70	M128B	Z	0	0	0 %100
71	M129A	X	-5.59	-5.59	0 %100
72	M129A	Z	-9.68	-9.68	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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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



Company :
 Designer :
 Job Number :
 Model Name :

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 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]	
7	M21	X	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
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

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft.%]	End Location[ft.%]
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	-.379	-.379	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	-.379	-.379	0	%100
71	M129A	X	0	0	0	%100
72	M129A	Z	-1.517	-1.517	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 54 : Structure Wi (30 Deg))

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft.%]	End Location[ft.%]
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

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	.569	.569	0	%100
70	M128B	Z	-.985	-.985	0	%100
71	M129A	X	.569	.569	0	%100
72	M129A	Z	-.985	-.985	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 54 : Structure Wi (30 Deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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 55 : Structure Wi (60 Deg))

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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
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	.328	.328	0 %100
68	M127B	Z	-.19	-.19	0 %100
69	M128B	X	1.314	1.314	0 %100
70	M128B	Z	-.759	-.759	0 %100
71	M129A	X	.328	.328	0 %100
72	M129A	Z	-.19	-.19	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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	1.138	1.138	0 %100
68	M127B	Z	0	0	0 %100
69	M128B	X	1.138	1.138	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



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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	1.314	1.314	0 %100
68	M127B	Z	.759	.759	0 %100
69	M128B	X	.328	.328	0 %100
70	M128B	Z	.19	.19	0 %100
71	M129A	X	.328	.328	0 %100
72	M129A	Z	.19	.19	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 58 : Structure Wi (150 Deg))

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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



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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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
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	.569	.569	0 %100
68	M127B	Z	.985	.985	0 %100
69	M128B	X	0	0	0 %100

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
70	M128B	Z	0	0	%100
71	M129A	X	.569	.569	%100
72	M129A	Z	.985	.985	%100
73	M99	X	1.529	1.529	%100
74	M99	Z	2.648	2.648	%100
75	M100A	X	1.8	1.8	%100
76	M100A	Z	3.118	3.118	%100
77	M101A	X	.382	.382	%100
78	M101A	Z	.662	.662	%100
79	M102	X	.808	.808	%100
80	M102	Z	1.399	1.399	%100
81	MP2A	X	1.702	1.702	%100
82	MP2A	Z	2.947	2.947	%100
83	MP3A	X	1.702	1.702	%100
84	MP3A	Z	2.947	2.947	%100
85	MP1C	X	1.702	1.702	%100
86	MP1C	Z	2.947	2.947	%100
87	MP2C	X	1.702	1.702	%100
88	MP2C	Z	2.947	2.947	%100
89	MP3C	X	1.702	1.702	%100
90	MP3C	Z	2.947	2.947	%100
91	MP1B	X	1.702	1.702	%100
92	MP1B	Z	2.947	2.947	%100
93	MP2B	X	1.702	1.702	%100
94	MP2B	Z	2.947	2.947	%100
95	MP3B	X	1.702	1.702	%100
96	MP3B	Z	2.947	2.947	%100
97	M113	X	1.417	1.417	%100
98	M113	Z	2.455	2.455	%100

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M6	X	0	0	%100
2	M6	Z	.844	.844	%100
3	M7	X	0	0	%100
4	M7	Z	.674	.674	%100
5	M8	X	0	0	%100
6	M8	Z	3.398	3.398	%100
7	M21	X	0	0	%100
8	M21	Z	3.398	3.398	%100
9	M22	X	0	0	%100
10	M22	Z	.674	.674	%100
11	M23	X	0	0	%100
12	M23	Z	.844	.844	%100
13	M31	X	0	0	%100
14	M31	Z	0	0	%100
15	M32	X	0	0	%100
16	M32	Z	2.911	2.911	%100
17	M33	X	0	0	%100
18	M33	Z	2.911	2.911	%100
19	M34	X	0	0	%100
20	M34	Z	2.509	2.509	%100
21	M35	X	0	0	%100
22	M35	Z	2.509	2.509	%100
23	M36	X	0	0	%100
24	M36	Z	.854	.854	%100



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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
25	M37	X	0	0	%100
26	M37	Z	2.695	2.695	%100
27	M38	X	0	0	%100
28	M38	Z	.854	.854	%100
29	M46	X	0	0	%100
30	M46	Z	.893	.893	%100
31	M47	X	0	0	%100
32	M47	Z	.893	.893	%100
33	M1	X	0	0	%100
34	M1	Z	3.57	3.57	%100
35	M58	X	0	0	%100
36	M58	Z	2.753	2.753	%100
37	M70	X	0	0	%100
38	M70	Z	.688	.688	%100
39	M82	X	0	0	%100
40	M82	Z	.688	.688	%100
41	MP1A	X	0	0	%100
42	MP1A	Z	3.403	3.403	%100
43	M132A	X	0	0	%100
44	M132A	Z	.728	.728	%100
45	M133A	X	0	0	%100
46	M133A	Z	.728	.728	%100
47	M134A	X	0	0	%100
48	M134A	Z	.627	.627	%100
49	M135A	X	0	0	%100
50	M135A	Z	.627	.627	%100
51	M140	X	0	0	%100
52	M140	Z	.728	.728	%100
53	M141	X	0	0	%100
54	M141	Z	.728	.728	%100
55	M142	X	0	0	%100
56	M142	Z	.627	.627	%100
57	M143	X	0	0	%100
58	M143	Z	.627	.627	%100
59	M125	X	0	0	%100
60	M125	Z	.954	.954	%100
61	M127A	X	0	0	%100
62	M127A	Z	3.028	3.028	%100
63	M128A	X	0	0	%100
64	M128A	Z	3.028	3.028	%100
65	M129	X	0	0	%100
66	M129	Z	3.028	3.028	%100
67	M127B	X	0	0	%100
68	M127B	Z	.379	.379	%100
69	M128B	X	0	0	%100
70	M128B	Z	.379	.379	%100
71	M129A	X	0	0	%100
72	M129A	Z	1.517	1.517	%100
73	M99	X	0	0	%100
74	M99	Z	2.293	2.293	%100
75	M100A	X	0	0	%100
76	M100A	Z	2.939	2.939	%100
77	M101A	X	0	0	%100
78	M101A	Z	2.293	2.293	%100
79	M102	X	0	0	%100
80	M102	Z	2.939	2.939	%100
81	MP2A	X	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	-0.941	-0.941	0 %100
48	M134A	Z	1.63	1.63	0 %100
49	M135A	X	-0.941	-0.941	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	-0.808	-0.808	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	-0.569	-0.569	0 %100
70	M128B	Z	0.985	0.985	0 %100
71	M129A	X	-0.569	-0.569	0 %100
72	M129A	Z	0.985	0.985	0 %100
73	M99	X	-0.382	-0.382	0 %100
74	M99	Z	0.662	0.662	0 %100
75	M100A	X	-0.808	-0.808	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

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	-.328	-.328	0 %100
68	M127B	Z	.19	.19	0 %100
69	M128B	X	-1.314	-1.314	0 %100
70	M128B	Z	.759	.759	0 %100
71	M129A	X	-.328	-.328	0 %100
72	M129A	Z	.19	.19	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 62 : Structure Wi (270 Deg))

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
4	M7	Z	0	0	%100
5	M8	X	-1e-5	-1e-5	%100
6	M8	Z	0	0	%100
7	M21	X	-1e-5	-1e-5	%100
8	M21	Z	0	0	%100
9	M22	X	-2.021	-2.021	%100
10	M22	Z	0	0	%100
11	M23	X	-2.553	-2.553	%100
12	M23	Z	0	0	%100
13	M31	X	-3.057	-3.057	%100
14	M31	Z	0	0	%100
15	M32	X	0	0	%100
16	M32	Z	0	0	%100
17	M33	X	0	0	%100
18	M33	Z	0	0	%100
19	M34	X	0	0	%100
20	M34	Z	0	0	%100
21	M35	X	0	0	%100
22	M35	Z	0	0	%100
23	M36	X	-2.543	-2.543	%100
24	M36	Z	0	0	%100
25	M37	X	0	0	%100
26	M37	Z	0	0	%100
27	M38	X	-2.543	-2.543	%100
28	M38	Z	0	0	%100
29	M46	X	-2.678	-2.678	%100
30	M46	Z	0	0	%100
31	M47	X	-2.678	-2.678	%100
32	M47	Z	0	0	%100
33	M1	X	0	0	%100
34	M1	Z	0	0	%100
35	M58	X	0	0	%100
36	M58	Z	0	0	%100
37	M70	X	-2.065	-2.065	%100
38	M70	Z	0	0	%100
39	M82	X	-2.065	-2.065	%100
40	M82	Z	0	0	%100
41	MP1A	X	-3.403	-3.403	%100
42	MP1A	Z	0	0	%100
43	M132A	X	-2.183	-2.183	%100
44	M132A	Z	0	0	%100
45	M133A	X	-2.183	-2.183	%100
46	M133A	Z	0	0	%100
47	M134A	X	-1.882	-1.882	%100
48	M134A	Z	0	0	%100
49	M135A	X	-1.882	-1.882	%100
50	M135A	Z	0	0	%100
51	M140	X	-2.183	-2.183	%100
52	M140	Z	0	0	%100
53	M141	X	-2.183	-2.183	%100
54	M141	Z	0	0	%100
55	M142	X	-1.882	-1.882	%100
56	M142	Z	0	0	%100
57	M143	X	-1.882	-1.882	%100
58	M143	Z	0	0	%100
59	M125	X	-3.601	-3.601	%100
60	M125	Z	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	-1.138	-1.138	0 %100
68	M127B	Z	0	0	0 %100
69	M128B	X	-1.138	-1.138	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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F.ksf]	Start Location[ft,%]	End Location[ft,%]
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
65	M129	X	-2.622	-2.622	0 %100
66	M129	Z	-1.514	-1.514	0 %100
67	M127B	X	-1.314	-1.314	0 %100
68	M127B	Z	-759	-759	0 %100
69	M128B	X	-328	-328	0 %100
70	M128B	Z	-19	-19	0 %100
71	M129A	X	-328	-328	0 %100
72	M129A	Z	-19	-19	0 %100

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/f.F,ksf]	Start Location[ft,%]	End Location[ft,%]
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	-.569	-.569	0 %100
68	M127B	Z	-.985	-.985	0 %100
69	M128B	X	0	0	0 %100
70	M128B	Z	0	0	0 %100
71	M129A	X	-.569	-.569	0 %100
72	M129A	Z	-.985	-.985	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

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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
38	M70	Z	-114	-114	0	%100
39	M82	X	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F.ksf]	Start Location[ft,%]	End Location[ft,%]
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	-025	-025	0 %100
69	M128B	X	0	0	0 %100
70	M128B	Z	-025	-025	0 %100
71	M129A	X	0	0	0 %100
72	M129A	Z	-101	-101	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



Company :
 Designer :
 Job Number :
 Model Name :

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 Checked By: _____

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
52	M140	Z	0	0	%100
53	M141	X	0	0	%100
54	M141	Z	0	0	%100
55	M142	X	0	0	%100
56	M142	Z	0	0	%100
57	M143	X	0	0	%100
58	M143	Z	0	0	%100
59	M125	X	.193	.193	%100
60	M125	Z	-.334	-.334	%100
61	M127A	X	.314	.314	%100
62	M127A	Z	-.543	-.543	%100
63	M128A	X	.314	.314	%100
64	M128A	Z	-.543	-.543	%100
65	M129	X	.314	.314	%100
66	M129	Z	-.543	-.543	%100
67	M127B	X	0	0	%100
68	M127B	Z	0	0	%100
69	M128B	X	.038	.038	%100
70	M128B	Z	-.066	-.066	%100
71	M129A	X	.038	.038	%100
72	M129A	Z	-.066	-.066	%100
73	M99	X	.071	.071	%100
74	M99	Z	-.123	-.123	%100
75	M100A	X	.193	.193	%100
76	M100A	Z	-.334	-.334	%100
77	M101A	X	.283	.283	%100
78	M101A	Z	-.491	-.491	%100
79	M102	X	.396	.396	%100
80	M102	Z	-.686	-.686	%100
81	MP2A	X	.345	.345	%100
82	MP2A	Z	-.598	-.598	%100
83	MP3A	X	.345	.345	%100
84	MP3A	Z	-.598	-.598	%100
85	MP1C	X	.345	.345	%100
86	MP1C	Z	-.598	-.598	%100
87	MP2C	X	.345	.345	%100
88	MP2C	Z	-.598	-.598	%100
89	MP3C	X	.345	.345	%100
90	MP3C	Z	-.598	-.598	%100
91	MP1B	X	.345	.345	%100
92	MP1B	Z	-.598	-.598	%100
93	MP2B	X	.345	.345	%100
94	MP2B	Z	-.598	-.598	%100
95	MP3B	X	.345	.345	%100
96	MP3B	Z	-.598	-.598	%100
97	M113	X	.26	.26	%100
98	M113	Z	-.45	-.45	%100

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
1	M6	X	.163	.163	%100
2	M6	Z	-.094	-.094	%100
3	M7	X	.517	.517	%100
4	M7	Z	-.298	-.298	%100
5	M8	X	.163	.163	%100
6	M8	Z	-.094	-.094	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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
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

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft.%]	End Location[ft.%]
64	M128A	Z	-.314	-.314	0	%100
65	M129	X	.543	.543	0	%100
66	M129	Z	-.314	-.314	0	%100
67	M127B	X	.022	.022	0	%100
68	M127B	Z	-.013	-.013	0	%100
69	M128B	X	.088	.088	0	%100
70	M128B	Z	-.051	-.051	0	%100
71	M129A	X	.022	.022	0	%100
72	M129A	Z	-.013	-.013	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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft.%]	End Location[ft.%]
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



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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
19	M34	X	0	0	%100
20	M34	Z	0	0	%100
21	M35	X	0	0	%100
22	M35	Z	0	0	%100
23	M36	X	.56	.56	%100
24	M36	Z	0	0	%100
25	M37	X	0	0	%100
26	M37	Z	0	0	%100
27	M38	X	.56	.56	%100
28	M38	Z	0	0	%100
29	M46	X	.563	.563	%100
30	M46	Z	0	0	%100
31	M47	X	.563	.563	%100
32	M47	Z	0	0	%100
33	M1	X	0	0	%100
34	M1	Z	0	0	%100
35	M58	X	0	0	%100
36	M58	Z	0	0	%100
37	M70	X	.342	.342	%100
38	M70	Z	0	0	%100
39	M82	X	.342	.342	%100
40	M82	Z	0	0	%100
41	MP1A	X	.69	.69	%100
42	MP1A	Z	0	0	%100
43	M132A	X	.45	.45	%100
44	M132A	Z	0	0	%100
45	M133A	X	.45	.45	%100
46	M133A	Z	0	0	%100
47	M134A	X	.401	.401	%100
48	M134A	Z	0	0	%100
49	M135A	X	.401	.401	%100
50	M135A	Z	0	0	%100
51	M140	X	.45	.45	%100
52	M140	Z	0	0	%100
53	M141	X	.45	.45	%100
54	M141	Z	0	0	%100
55	M142	X	.401	.401	%100
56	M142	Z	0	0	%100
57	M143	X	.401	.401	%100
58	M143	Z	0	0	%100
59	M125	X	.792	.792	%100
60	M125	Z	0	0	%100
61	M127A	X	.627	.627	%100
62	M127A	Z	0	0	%100
63	M128A	X	.627	.627	%100
64	M128A	Z	0	0	%100
65	M129	X	.627	.627	%100
66	M129	Z	0	0	%100
67	M127B	X	.076	.076	%100
68	M127B	Z	0	0	%100
69	M128B	X	.076	.076	%100
70	M128B	Z	0	0	%100
71	M129A	X	0	0	%100
72	M129A	Z	0	0	%100
73	M99	X	.142	.142	%100
74	M99	Z	0	0	%100
75	M100A	X	.385	.385	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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 69 : Structure Wm (120 Deg))

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	.088	.088	0 %100
68	M127B	Z	.051	.051	0 %100
69	M128B	X	.022	.022	0 %100
70	M128B	Z	.013	.013	0 %100
71	M129A	X	.022	.022	0 %100
72	M129A	Z	.013	.013	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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
43	M132A	X	0	0	%100
44	M132A	Z	0	0	%100
45	M133A	X	0	0	%100
46	M133A	Z	0	0	%100
47	M134A	X	0	0	%100
48	M134A	Z	0	0	%100
49	M135A	X	0	0	%100
50	M135A	Z	0	0	%100
51	M140	X	.225	.225	%100
52	M140	Z	.389	.389	%100
53	M141	X	.225	.225	%100
54	M141	Z	.389	.389	%100
55	M142	X	.2	.2	%100
56	M142	Z	.347	.347	%100
57	M143	X	.2	.2	%100
58	M143	Z	.347	.347	%100
59	M125	X	.193	.193	%100
60	M125	Z	.334	.334	%100
61	M127A	X	.314	.314	%100
62	M127A	Z	.543	.543	%100
63	M128A	X	.314	.314	%100
64	M128A	Z	.543	.543	%100
65	M129	X	.314	.314	%100
66	M129	Z	.543	.543	%100
67	M127B	X	.038	.038	%100
68	M127B	Z	.066	.066	%100
69	M128B	X	0	0	%100
70	M128B	Z	0	0	%100
71	M129A	X	.038	.038	%100
72	M129A	Z	.066	.066	%100
73	M99	X	.283	.283	%100
74	M99	Z	.491	.491	%100
75	M100A	X	.396	.396	%100
76	M100A	Z	.686	.686	%100
77	M101A	X	.071	.071	%100
78	M101A	Z	.123	.123	%100
79	M102	X	.193	.193	%100
80	M102	Z	.334	.334	%100
81	MP2A	X	.345	.345	%100
82	MP2A	Z	.598	.598	%100
83	MP3A	X	.345	.345	%100
84	MP3A	Z	.598	.598	%100
85	MP1C	X	.345	.345	%100
86	MP1C	Z	.598	.598	%100
87	MP2C	X	.345	.345	%100
88	MP2C	Z	.598	.598	%100
89	MP3C	X	.345	.345	%100
90	MP3C	Z	.598	.598	%100
91	MP1B	X	.345	.345	%100
92	MP1B	Z	.598	.598	%100
93	MP2B	X	.345	.345	%100
94	MP2B	Z	.598	.598	%100
95	MP3B	X	.345	.345	%100
96	MP3B	Z	.598	.598	%100
97	M113	X	.26	.26	%100
98	M113	Z	.45	.45	%100



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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	.025	.025	0 %100
69	M128B	X	0	0	0 %100
70	M128B	Z	.025	.025	0 %100
71	M129A	X	0	0	0 %100
72	M129A	Z	.101	.101	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
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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



Company :
 Designer :
 Job Number :
 Model Name :

July 2, 2021
 2:52 PM
 Checked By: _____

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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
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	-.038	-.038	0 %100

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
70	M128B	Z	.066	.066	0 %100
71	M129A	X	-.038	-.038	0 %100
72	M129A	Z	.066	.066	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 73 : Structure Wm (240 Deg))

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	-.022	-.022	0 %100
68	M127B	Z	.013	.013	0 %100
69	M128B	X	-.088	-.088	0 %100
70	M128B	Z	.051	.051	0 %100
71	M129A	X	-.022	-.022	0 %100
72	M129A	Z	.013	.013	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

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	-076	-076	0 %100
68	M127B	Z	0	0	0 %100
69	M128B	X	-076	-076	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

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

	Member Label	Direction	Start Magnitude[lb/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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/f...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft,%]	End Location[ft,%]
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
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

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
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	-088	-088	0 %100
68	M127B	Z	-051	-051	0 %100
69	M128B	X	-022	-022	0 %100
70	M128B	Z	-013	-013	0 %100
71	M129A	X	-022	-022	0 %100
72	M129A	Z	-013	-013	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 76 : Structure Wm (330 Deg))

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
1	M6	X	-28	-28	0 %100
2	M6	Z	-485	-485	0 %100
3	M7	X	0	0	0 %100

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

Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
4	M7	Z	0	0	%100
5	M8	X	-28	-28	%100
6	M8	Z	-485	-485	%100
7	M21	X	-281	-281	%100
8	M21	Z	-487	-487	%100
9	M22	X	-224	-224	%100
10	M22	Z	-388	-388	%100
11	M23	X	-1e-6	-1e-6	%100
12	M23	Z	-2e-6	-2e-6	%100
13	M31	X	-071	-071	%100
14	M31	Z	-123	-123	%100
15	M32	X	-225	-225	%100
16	M32	Z	-389	-389	%100
17	M33	X	-225	-225	%100
18	M33	Z	-389	-389	%100
19	M34	X	-2	-2	%100
20	M34	Z	-347	-347	%100
21	M35	X	-2	-2	%100
22	M35	Z	-347	-347	%100
23	M36	X	-1e-6	-1e-6	%100
24	M36	Z	-2e-6	-2e-6	%100
25	M37	X	-224	-224	%100
26	M37	Z	-388	-388	%100
27	M38	X	-281	-281	%100
28	M38	Z	-487	-487	%100
29	M46	X	0	0	%100
30	M46	Z	0	0	%100
31	M47	X	-281	-281	%100
32	M47	Z	-487	-487	%100
33	M1	X	-281	-281	%100
34	M1	Z	-487	-487	%100
35	M58	X	-171	-171	%100
36	M58	Z	-296	-296	%100
37	M70	X	0	0	%100
38	M70	Z	0	0	%100
39	M82	X	-171	-171	%100
40	M82	Z	-296	-296	%100
41	MP1A	X	-345	-345	%100
42	MP1A	Z	-598	-598	%100
43	M132A	X	0	0	%100
44	M132A	Z	0	0	%100
45	M133A	X	0	0	%100
46	M133A	Z	0	0	%100
47	M134A	X	0	0	%100
48	M134A	Z	0	0	%100
49	M135A	X	0	0	%100
50	M135A	Z	0	0	%100
51	M140	X	-225	-225	%100
52	M140	Z	-389	-389	%100
53	M141	X	-225	-225	%100
54	M141	Z	-389	-389	%100
55	M142	X	-2	-2	%100
56	M142	Z	-347	-347	%100
57	M143	X	-2	-2	%100
58	M143	Z	-347	-347	%100
59	M125	X	-193	-193	%100
60	M125	Z	-334	-334	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
61	M127A	X	-0.314	-0.314	0	%100
62	M127A	Z	-0.543	-0.543	0	%100
63	M128A	X	-0.314	-0.314	0	%100
64	M128A	Z	-0.543	-0.543	0	%100
65	M129	X	-0.314	-0.314	0	%100
66	M129	Z	-0.543	-0.543	0	%100
67	M127B	X	-0.038	-0.038	0	%100
68	M127B	Z	-0.066	-0.066	0	%100
69	M128B	X	0	0	0	%100
70	M128B	Z	0	0	0	%100
71	M129A	X	-0.038	-0.038	0	%100
72	M129A	Z	-0.066	-0.066	0	%100
73	M99	X	-0.283	-0.283	0	%100
74	M99	Z	-0.491	-0.491	0	%100
75	M100A	X	-0.396	-0.396	0	%100
76	M100A	Z	-0.686	-0.686	0	%100
77	M101A	X	-0.071	-0.071	0	%100
78	M101A	Z	-0.123	-0.123	0	%100
79	M102	X	-0.193	-0.193	0	%100
80	M102	Z	-0.334	-0.334	0	%100
81	MP2A	X	-0.345	-0.345	0	%100
82	MP2A	Z	-0.598	-0.598	0	%100
83	MP3A	X	-0.345	-0.345	0	%100
84	MP3A	Z	-0.598	-0.598	0	%100
85	MP1C	X	-0.345	-0.345	0	%100
86	MP1C	Z	-0.598	-0.598	0	%100
87	MP2C	X	-0.345	-0.345	0	%100
88	MP2C	Z	-0.598	-0.598	0	%100
89	MP3C	X	-0.345	-0.345	0	%100
90	MP3C	Z	-0.598	-0.598	0	%100
91	MP1B	X	-0.345	-0.345	0	%100
92	MP1B	Z	-0.598	-0.598	0	%100
93	MP2B	X	-0.345	-0.345	0	%100
94	MP2B	Z	-0.598	-0.598	0	%100
95	MP3B	X	-0.345	-0.345	0	%100
96	MP3B	Z	-0.598	-0.598	0	%100
97	M113	X	-0.26	-0.26	0	%100
98	M113	Z	-0.45	-0.45	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,F,ksf]	Start Location[ft, %]	End Location[ft, %]
1	M6	Y	-1.487	-7.4	0	.703
2	M6	Y	-7.4	-8.312	.703	1.406
3	M6	Y	-8.312	-6.872	1.406	2.109
4	M6	Y	-6.872	-6.315	2.109	2.813
5	M6	Y	-6.315	-3.993	2.813	3.516
6	M7	Y	-3.61	-3.61	.179	1.179
7	M8	Y	-6.034	-8.477	0	.879
8	M8	Y	-8.477	-9.912	.879	1.758
9	M8	Y	-9.912	-7.134	1.758	2.637
10	M8	Y	-7.134	-1.152	2.637	3.516
11	M36	Y	-1.152	-7.134	0	.879
12	M36	Y	-7.134	-9.912	.879	1.758
13	M36	Y	-9.912	-8.477	1.758	2.637
14	M36	Y	-8.477	-6.034	2.637	3.516
15	M37	Y	-3.61	-3.61	.441	1.441

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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft.%]	End Location[ft.%]
16	M38	Y	-3.993	-6.315	0	.703
17	M38	Y	-6.315	-6.872	.703	1.406
18	M38	Y	-6.872	-8.312	1.406	2.109
19	M38	Y	-8.312	-7.4	2.109	2.813
20	M38	Y	-7.4	-1.487	2.813	3.516
21	M21	Y	-1.487	-7.4	0	.703
22	M21	Y	-7.4	-8.312	.703	1.406
23	M21	Y	-8.312	-6.872	1.406	2.109
24	M21	Y	-6.872	-6.315	2.109	2.813
25	M21	Y	-6.315	-3.993	2.813	3.516
26	M22	Y	-3.61	-3.61	.179	1.179
27	M23	Y	-6.034	-8.477	0	.879
28	M23	Y	-8.477	-9.912	.879	1.758
29	M23	Y	-9.912	-7.134	1.758	2.637
30	M23	Y	-7.134	-1.152	2.637	3.516

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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft,F,ksf]	Start Location[ft.%]	End Location[ft.%]
1	M6	Y	-3.183	-15.835	0	.703
2	M6	Y	-15.835	-17.788	.703	1.406
3	M6	Y	-17.788	-14.707	1.406	2.109
4	M6	Y	-14.707	-13.514	2.109	2.813
5	M6	Y	-13.514	-8.545	2.813	3.516
6	M7	Y	-7.725	-7.725	.179	1.179
7	M8	Y	-12.912	-18.141	0	.879
8	M8	Y	-18.141	-21.211	.879	1.758
9	M8	Y	-21.211	-15.266	1.758	2.637
10	M8	Y	-15.266	-2.466	2.637	3.516
11	M36	Y	-2.466	-15.266	0	.879
12	M36	Y	-15.266	-21.211	.879	1.758
13	M36	Y	-21.211	-18.141	1.758	2.637
14	M36	Y	-18.141	-12.912	2.637	3.516
15	M37	Y	-7.725	-7.725	.441	1.441
16	M38	Y	-8.545	-13.514	0	.703
17	M38	Y	-13.514	-14.707	.703	1.406
18	M38	Y	-14.707	-17.788	1.406	2.109
19	M38	Y	-17.788	-15.835	2.109	2.813
20	M38	Y	-15.835	-3.183	2.813	3.516
21	M21	Y	-3.183	-15.835	0	.703
22	M21	Y	-15.835	-17.788	.703	1.406
23	M21	Y	-17.788	-14.707	1.406	2.109
24	M21	Y	-14.707	-13.514	2.109	2.813
25	M21	Y	-13.514	-8.545	2.813	3.516
26	M22	Y	-7.725	-7.725	.179	1.179
27	M23	Y	-12.912	-18.141	0	.879
28	M23	Y	-18.141	-21.211	.879	1.758
29	M23	Y	-21.211	-15.266	1.758	2.637
30	M23	Y	-15.266	-2.466	2.637	3.516

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



Company :
 Designer :
 Job Number :
 Model Name :

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 Checked By: _____

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	-.011
2	N61	N60	N63	N64	Y	Two Way	-.011
3	N36	N37	N40	N39	Y	Two Way	-.011

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	1611.878	10	461.007	19	5521.255	1	.523	19	2.043	4	1.084	4
2		min	-1610.611	4	-38.818	1	-2460.804	7	.059	1	-2.04	10	-1.072	10
3	N217A	max	23.027	10	2116.882	13	522.679	7	0	51	.001	10	.002	4
4		min	-22.981	4	-237.397	7	-4372.509	13	0	1	-.001	4	-.002	10
5	N161A	max	4852.261	9	491.499	15	1320.145	2	.862	12	2.085	12	.337	7
6		min	-2171.775	3	-66.804	9	-2869.415	8	-1.093	6	-2.083	6	-.758	1
7	N163A	max	480.557	3	2143.866	21	2214.569	21	.002	12	.001	6	.001	6
8		min	-3835.745	21	-252.782	3	-277.457	3	-.002	6	-.001	12	-.001	12
9	N166	max	2631.747	11	765.768	23	1837.053	12	1.191	2	2.295	8	1.042	2
10		min	-5359.863	5	-170.291	5	-3412.421	6	-1.497	8	-2.29	2	-.546	8
11	N168	max	4027.174	5	2236.444	5	2325.076	5	.002	2	.001	2	.001	2
12		min	-725.561	11	-387.86	11	-418.91	11	-.002	8	-.001	8	-.001	8
13	Totals:	max	4806.837	10	7063.97	24	4840.848	1						
14		min	-4806.834	4	3409.045	6	-4840.853	7						

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

Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...]	phi*Mn ...	phi*Mn ...	Cb	Eqn	
1	M113	PIPE 2.0	.452	3.75	6	.033	3.75	6	26521.4...	32130	1.872	1.872	2...	H1-1b	
2	MP2A	PIPE 2.5	.310	5.833	1	.093	5.833	3	30038.4...	50715	3.596	3.596	2...	H1-1b	
3	MP2B	PIPE 2.5	.310	5.833	5	.092	5.833	7	30038.4...	50715	3.596	3.596	2...	H1-1b	
4	MP2C	PIPE 2.5	.309	5.833	9	.092	5.833	11	30038.4...	50715	3.596	3.596	2...	H1-1b	
5	M128B	PL3/8X4 1/2	.305	0	5	.085	1.477	y	11	3359.814	51637.5	.403	4.572	1...	H1-1b
6	M127B	PL3/8X4 1/2	.303	2.953	1	.084	1.477	y	7	3359.814	51637.5	.403	4.572	1...	H1-1b
7	M129A	PL3/8X4 1/2	.302	2.953	9	.082	1.477	y	3	3359.814	51637.5	.403	4.572	1...	H1-1b
8	M58	PIPE 1.5	.269	10.5...	7	.104	1.953		7	2941.88	23593.5	1.105	1.105	3...	H1-1b
9	M82	PIPE 1.5	.265	10.5...	11	.103	1.953		11	2941.88	23593.5	1.105	1.105	3...	H1-1b
10	M70	PIPE 1.5	.263	10.5...	3	.104	1.953		3	2941.88	23593.5	1.105	1.105	3...	H1-1b
11	M129	PIPE 3.0	.186	3.292	6	.078	3.292		5	61530.6...	65205	5.749	5.749	1...	H1-1b
12	M128A	PIPE 3.0	.186	3.292	10	.077	3.292		9	61530.6...	65205	5.749	5.749	1...	H1-1b
13	M127A	PIPE 3.0	.181	3.292	1	.080	3.292		1	61530.6...	65205	5.749	5.749	1...	H1-1b
14	M32	HSS3X3X3	.159	3.018	2	.063	.692	z	2	73117.09	78246	6.796	6.796	1...	H1-1b
15	M134A	HSS3X3X4	.157	1.529	9	.078	.303	z	6	99185.4...	101016	8.556	8.556	1...	H1-1b
16	M34	HSS3X3X4	.155	1.529	1	.077	.303	z	10	99185.4...	101016	8.556	8.556	1...	H1-1b
17	M142	HSS3X3X4	.155	1.529	5	.080	1.529	y	31	99185.4...	101016	8.556	8.556	1...	H1-1b
18	M133A	HSS3X3X3	.154	3.018	8	.061	.692	z	8	73117.09	78246	6.796	6.796	1...	H1-1b
19	M135A	HSS3X3X4	.153	1.529	9	.075	.303	z	12	99185.4...	101016	8.556	8.556	1...	H1-1b
20	M143	HSS3X3X4	.153	1.529	5	.076	.303	z	8	99185.4...	101016	8.556	8.556	1...	H1-1b
21	M33	HSS3X3X3	.151	3.018	12	.060	.692	z	12	73117.09	78246	6.796	6.796	1...	H1-1b
22	M35	HSS3X3X4	.151	1.529	1	.077	.303	z	4	99185.4...	101016	8.556	8.556	1...	H1-1b
23	M132A	HSS3X3X3	.151	3.018	10	.065	.692	z	10	73117.09	78246	6.796	6.796	1...	H1-1b
24	M140	HSS3X3X3	.141	3.018	6	.060	.692	z	6	73117.09	78246	6.796	6.796	1...	H1-1b
25	M141	HSS3X3X3	.141	3.018	4	.060	.692	z	4	73117.09	78246	6.796	6.796	1...	H1-1b
26	M1	HSS3X3X3	.128	6.25	42	.106	5.078	z	7	24699.7...	78246	6.796	6.796	1...	H1-1b
27	M47	HSS3X3X3	.127	2.083	3	.110	7.422	z	5	24699.7...	78246	6.796	6.796	1...	H1-1b
28	MP1C	PIPE 2.5	.125	2.583	3	.026	2.583		5	30038.4...	50715	3.596	3.596	1...	H1-1b
29	M46	HSS3X3X3	.125	2.083	7	.111	5.078	z	3	24699.7...	78246	6.796	6.796	1...	H1-1b
30	MP1B	PIPE 2.5	.123	2.583	11	.026	2.583		1	30038.4...	50715	3.596	3.596	1...	H1-1b
31	MP1A	PIPE 2.5	.122	5.833	11	.026	2.583		9	30038.4...	50715	3.596	3.596	2...	H1-1b

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

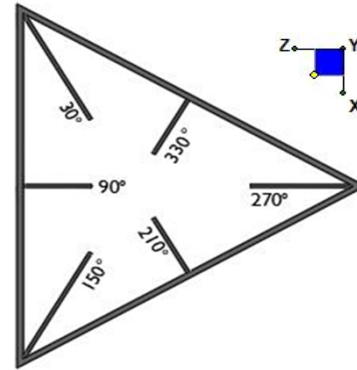
Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...]	phi*Mn ...	phi*Mn ...	Cb	Eqn	
32	MP3A	PIPE_2.5	.119	5.833	3	.032	4.417		11	30038.4...	50715	3.596	3.596	3...	H1-1b
33	M102	LL2x2x4x3	.119	4.063	5	.009	0	z	2	43508.8...	61236	3.594	2.114	1	H1-1b*
34	MP3B	PIPE_2.5	.118	5.833	7	.031	4.417		3	30038.4...	50715	3.596	3.596	4...	H1-1b
35	M6	L2x2x3	.118	3.003	15	.057	3.003	y	19	12594.0...	23392.8	.558	1.239	2...	H2-1
36	M23	L2x2x3	.118	.513	19	.060	.513	y	18	12594.0...	23392.8	.558	1.239	2...	H2-1
37	M22	L2x2x3	.118	.81	7	.017	1.62	z	7	20511.5...	23392.8	.558	1.239	1...	H2-1
38	M21	L2x2x3	.118	3.003	15	.058	3.516	y	16	12594.0...	23392.8	.558	1.239	2...	H2-1
39	M36	L2x2x3	.118	3.003	19	.058	3.003	y	23	12594.0...	23392.8	.558	1.237	2...	H2-1
40	MP3C	PIPE_2.5	.117	5.833	11	.030	4.417		7	30038.4...	50715	3.596	3.596	3...	H1-1b
41	M101A	HSS6X3X4	.117	0	2	.133	0	y	8	138263...	158976	15.215	24.806	2...	H1-1b
42	M38	L2x2x3	.115	.513	15	.059	.513	y	15	12594.0...	23392.8	.558	1.239	2...	H2-1
43	M8	L2x2x3	.114	.513	23	.060	0	y	22	12594.0...	23392.8	.558	1.239	2...	H2-1
44	M100A	LL2x2x4x3	.113	4.063	21	.009	4.063	z	12	43508.7...	61236	3.594	2.114	1	H1-1b*
45	M125	LL2x2x4x3	.112	4.063	13	.009	0	z	4	43508.7...	61236	3.594	2.114	1	H1-1b*
46	M99	HSS6X3X4	.110	3.661	10	.099	0	y	12	138263...	158976	15.215	24.806	1...	H1-1b
47	M31	HSS6X3X4	.110	3.661	2	.097	0	y	4	138263...	158976	15.215	24.806	1...	H1-1b
48	M37	L2x2x3	.089	.81	2	.032	1.62	y	3	20511.5...	23392.8	.558	1.239	1...	H2-1
49	M7	L2x2x3	.088	0	18	.033	1.62	y	11	20511.5...	23392.8	.558	1.239	1...	H2-1



I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N49	270
N161A	30
N166	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

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

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

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

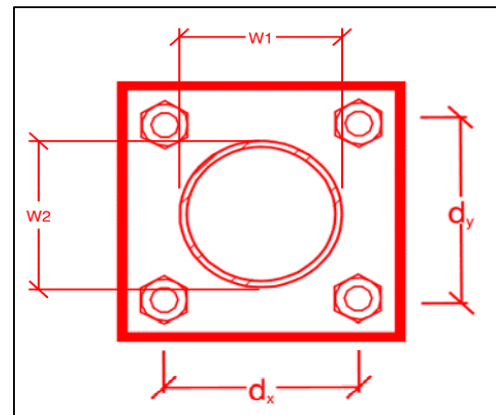
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
10
10
A325N
0.625
8.0
5.7
20.7
12.4
9.7%*
11.5%



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{plate} (in):

Weld Size (1/16 in):

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

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
12
12
6
3
36
0.625
4
5.57
1.20
31.9%
21.5%

Max Plate Bending Strengths

Mu_{xx} (kip-in) :	11.9
$\Phi * Mn_{xx}$ (kip-in) :	38.0
Mu_{yy} (kip-in) :	0.2
$\Phi * Mn_{yy}$ (kip-in) :	38.0

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – **Passing Mount Analysis**

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

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the 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:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to <https://pmi.vzsmart.com> as depicted on the drawings

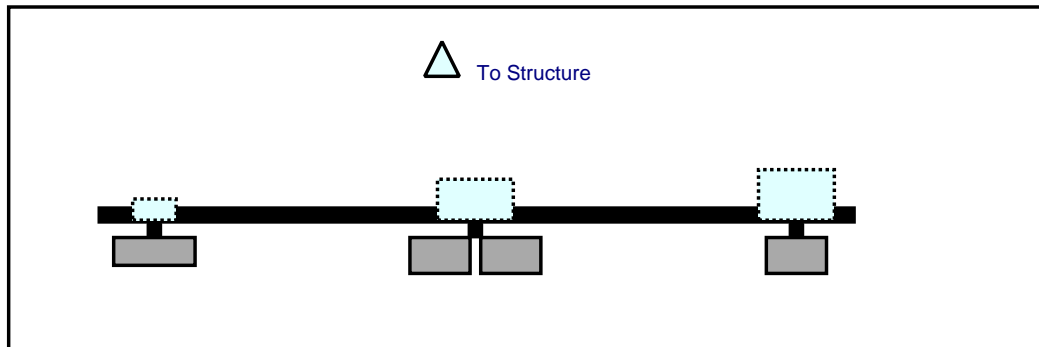
Photo Requirements:

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

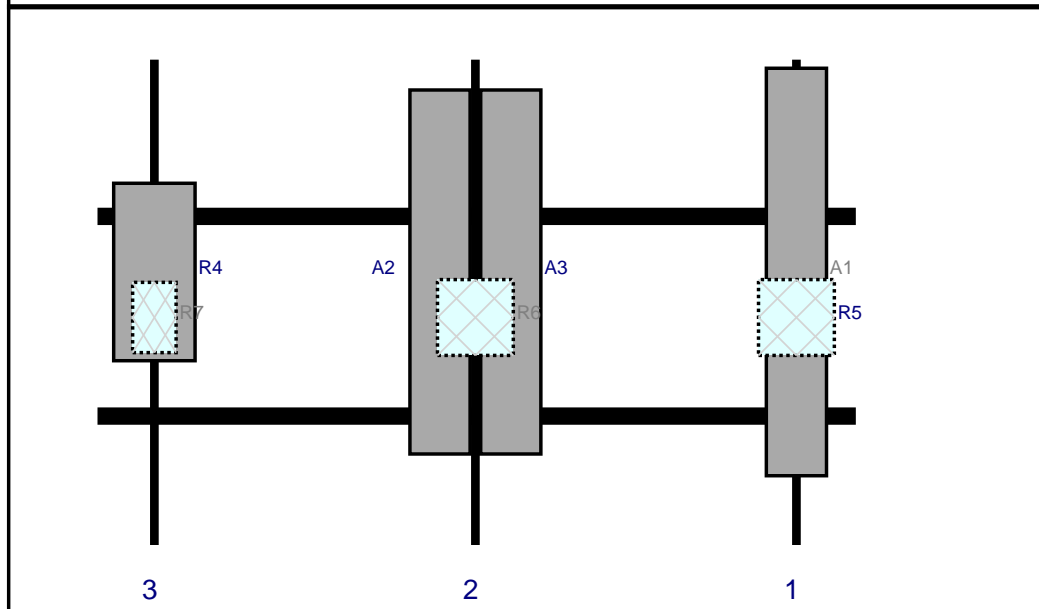
Schedule A – Photo & Document File Structure

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

Plan View

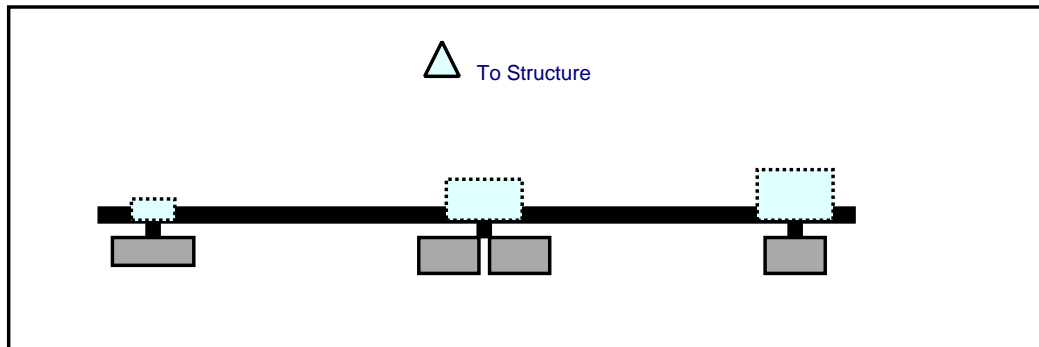


Front View
Looking at Structure

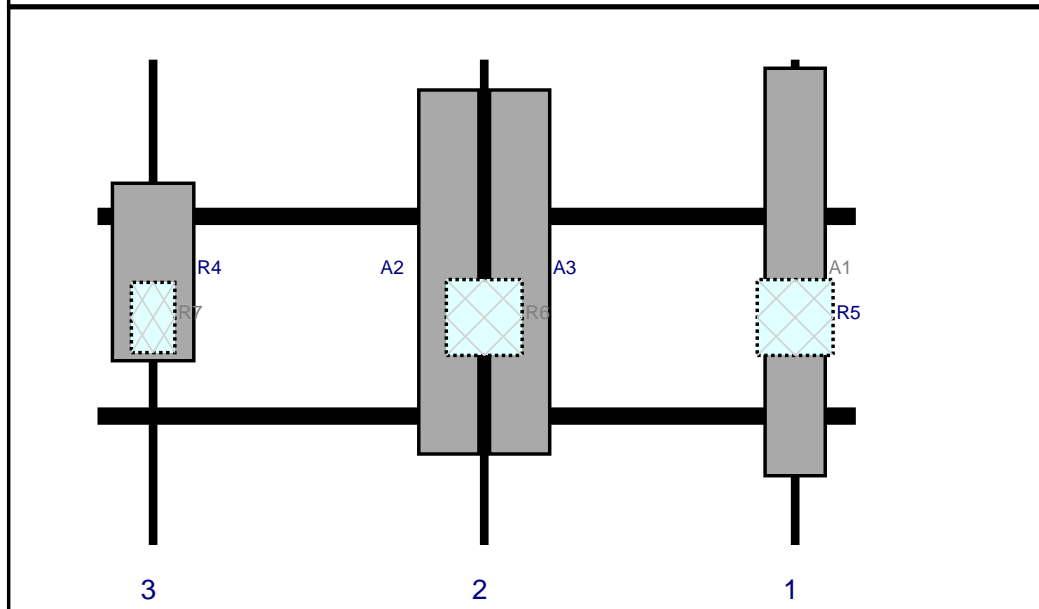


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	LNx-6514DS-A1M	80.6	11.9	138.25	1	a	Front	42	0	Added	
R5	B2/B66A RRH-BR049	15	15	138.25	1	a	Behind	51	0	Added	
A2	NHH-65B-R2B	72	11.9	74.75	2	a	Front	42	-7	Added	
A3	NHSS-65B-R2BT0	72	11.9	74.75	2	a	Front	42	7	Added	
R6	B5/B13 RRH-BR04C	15	15	74.75	2	a	Behind	51	0	Added	
R4	MT6407-77A	35.1	16.1	11.25	3	a	Front	42	0	Added	
R7	CBRS RRH - RT4401-48A	13.9	8.6	11.25	3	a	Behind	51	0	Added	

Plan View

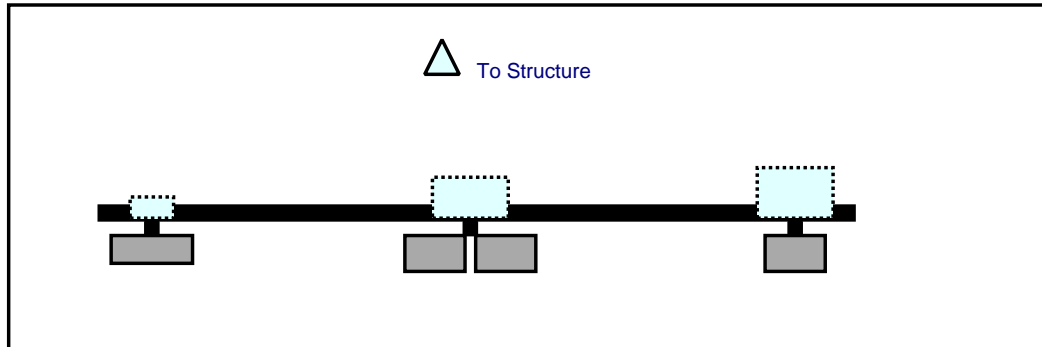


Front View
Looking at Structure

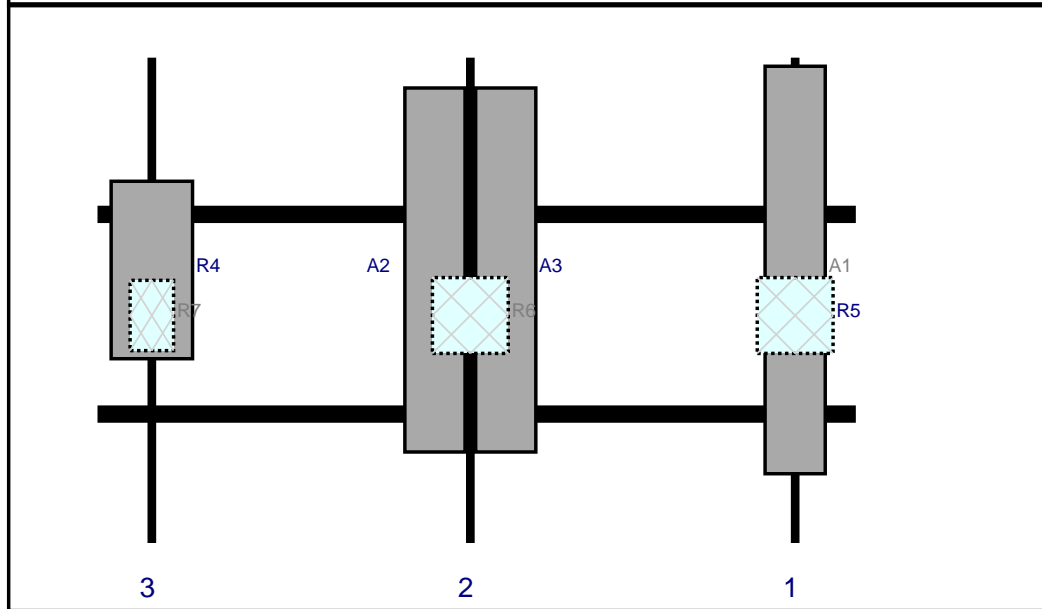


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	LNx-6514DS-A1M	80.6	11.9	138	1	a	Front	42	0	Added	
R5	B2/B66A RRH-BR049	15	15	138	1	a	Behind	51	0	Added	
A2	NHH-65B-R2B	72	11.9	76.5	2	a	Front	42	-7	Added	
A3	NHSS-65B-R2BT0	72	11.9	76.5	2	a	Front	42	7	Added	
R6	B5/B13 RRH-BR04C	15	15	76.5	2	a	Behind	51	0	Added	
R4	MT6407-77A	35.1	16.1	11	3	a	Front	42	0	Added	
R7	CBRS RRH - RT4401-48A	13.9	8.6	11	3	a	Behind	51	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
A1	LNx-6514DS-A1M	80.6	11.9	138	1	a	Front	42	0	Added	
R5	B2/B66A RRH-BR049	15	15	138	1	a	Behind	51	0	Added	
A2	NHH-65B-R2B	72	11.9	73.75	2	a	Front	42	-7	Added	
A3	NHSS-65B-R2BT0	72	11.9	73.75	2	a	Front	42	7	Added	
R6	B5/B13 RRH-BR04C	15	15	73.75	2	a	Behind	51	0	Added	
R4	MT6407-77A	35.1	16.1	10.75	3	a	Front	42	0	Added	
R7	CBRS RRH - RT4401-48A	13.9	8.6	10.75	3	a	Behind	51	0	Added	

Maser Consulting Connecticut

Subject*TIA-222-H Usage***Site Information**

Site ID: 468219-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 Mount

To Whom It May Concern,

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

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

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

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

Sincerely,



Digitally signed by Justin Linette
Date: 2021.07.02 15:48:55-04'00'

Justin Linette, PE

Senior Technical Manager

Site Name: **BURLINGTON W CT**
 Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density
	(MHz)		(watts)	(watts)	(feet)	(mW/cm ²)
VZW 700	751	4	689	2756	99	0.0101
VZW CDMA	869	2	402	804	99	0.0030
VZW Cellular	869	4	700	2800	99	0.0103
VZW PCS	1980	4	1496	5984	99	0.0220
VZW AWS	2125	4	1500	6000	99	0.0220
VZW CBAND	3730	4	6531	26124	99	0.0959
VZW CBRS	3625	4	12	48	99	0.0002

Total Percentage of Maximum Permissible Exposure

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/II

**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council'

MHz = Megahertz

mW/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

Maximum Permissible Exposure*	Fraction of MPE
(mW/cm ²)	(%)
0.5007	2.02%
0.5793	0.51%
0.5793	1.77%
1.0000	2.20%
1.0000	2.20%
1.0000	9.59%
1.0000	0.02%
	18.30%

EEE C95.1-1992

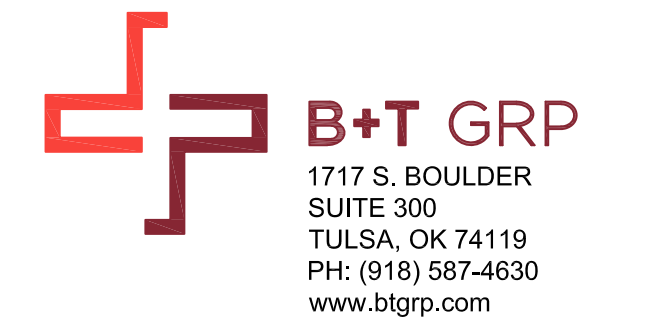
s November 10, 2015 Memorandum for Exempt Modification filings



VERIZON SITE NUMBER: 468219
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
SITTING COUNCIL

VERIZON 5G L-SUB6-CARRIER ADD 16272335



VERIZON SITE NUMBER:
468219

BU #: 845993
BURLINGTON-NEPAUG ROAD

 12 NEPAUG ROAD
 BURLINGTON, CT 06013
 EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/26/21	JJR	CONSTRUCTION	JJR

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°
LONGITUDE:	-72.989631°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	827'
CURRENT ZONING:	R-44 RESIDENTIAL ZONE
JURISDICTION:	CONNECTICUT SITTING 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:	CONNECTICUT LIGHT AND POWER
TELCO PROVIDER:	NOT PROVIDED

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 22X34. 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.

LOCATION MAP

DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (180 WASHINGTON VALLEY RD)
 GET ON I-287 N IN MORRISTOWN FROM WASHINGTON VALLEY RD, RTE 24 AND MORRIS ST, CONTINUE ON I-287 N. TAKE I-684 N AND I-84 E TO CT-118 E/LITCHFIELD RD IN HARWINTON. TAKE EXIT 42 FROM CT-8 N, FOLLOW LITCHFIELD RD AND CT-4 E ARRIVED AT BURLINGTON-NEPAUG ROAD.

APPROVALS

SIGNATURE	DATE
_____	_____
_____	_____
_____	_____
_____	_____

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	2015 IBC
MECHANICAL	2015 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	BLACK & VEATCH CORP.
DATED:	6/23/21
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	7/2/21
RFDS REVISION:	N/A
DATED:	5/24/21
ORDER ID:	574538
REVISION:	0

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) RADIOS
- REMOVE (3) DUAL ANTENNA BRACKETS
- INSTALL (12) ANTENNAS
- INSTALL (9) RADIOS
- INSTALL (3) NEW DUAL ANTENNA BRACKETS

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 MARVIN PHILLIPS marvin.phillips@btgrp.com
CROWN CASTLE USA INC. DISTRICT CONTACTS:	1505 WESTLAKE AVENUE NORTH, SUITE 800 SEATTLE, WA 98109 N/A - PROJECT MANAGER N/A - CONSTRUCTION MANAGER
VERIZON CONTACT:	ANDREW LEONE ALEONE@STRUCTURECONSULTING.NET

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR	
PROJECT NUMBER	10058870
VzW LOCATION CODE (PSLC)	16272335

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

MOUNT MODIFICATION REQUIRED Y

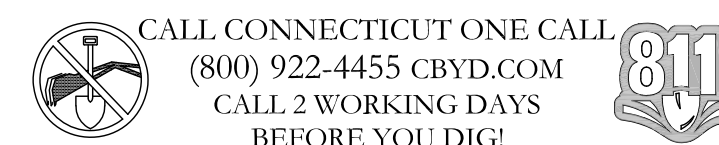
VzW APPROVED SMART KIT VENDORS

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

B&T ENGINEERING, INC.
 PEC.0001564
 Expires 2/10/22

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: T-1	REVISION: 0
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NOTE:
 PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

- 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.
- "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.
- 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.
- 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).
- 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."
- 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.
- 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.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- 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.
- ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
- 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.
- 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.
- 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.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- 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.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
- 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.

GREENFIELD GROUNDING NOTES:

- 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.
- THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL 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.
- 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.
- METAL CONDUIT AND TRAY SHALL BE GROUNDING AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- 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.
- 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.
- 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.
- ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
- COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
- APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- BOND ALL METALLIC OBJECTS WITHIN 6 FT OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
- 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.
- 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).
- 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).

GENERAL NOTES:

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- 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.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- 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.
- UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
- 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.
- 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.
- 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
- 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"
- 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.

ELECTRICAL INSTALLATION NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
- CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- 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. VERIFY 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.
- 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.
- 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).
- PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- ALL THE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- 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.
- 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.
- POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
- 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.
- 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).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND NEC.
- ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SLOW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND THE NEC.
- WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOULD SPECMATE WIREWAY).
- SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
- 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 LOCKOUT ON OUTSIDE AND INSIDE.
- 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.
- 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.
- 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.
- 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.
- 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.
- INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "VERIZON".
- 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
277/480V, 3Ø	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
	NEUTRAL	GREY
DC VOLTAGE	GROUND	GREEN
	POS (+)	RED**
	NEG (-)	BLACK**

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

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

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
- RFH REMOTE RADIO HEAD
- RRI REMOTE RADIO UNIT
- SIAD SMART INTEGRATED DEVICE
- TMA TOWER MOUNTED AMPLIFIER
- TYP TYPICAL
- UMTS UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
- W.P. WORK POINT



180 WASHINGTON WAY
BEDMINSTER, NJ 07921



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



1717 S. BOULDER
SUITE 300
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PH: (918) 587-4630
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VERIZON SITE NUMBER:
468219


BU #: 845993
BURLINGTON-NEPAUG ROAD

12 NEPAUG ROAD
BURLINGTON, CT 06013

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/26/21	JJR	CONSTRUCTION	JJR



B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

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verizon
 180 WASHINGTON VALLEY ROAD
 BEDMINSTER, NJ 07921

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

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BURLINGTON-NEPAUG ROAD

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EXISTING 120'-0" MONOPOLE

ISSUED FOR:

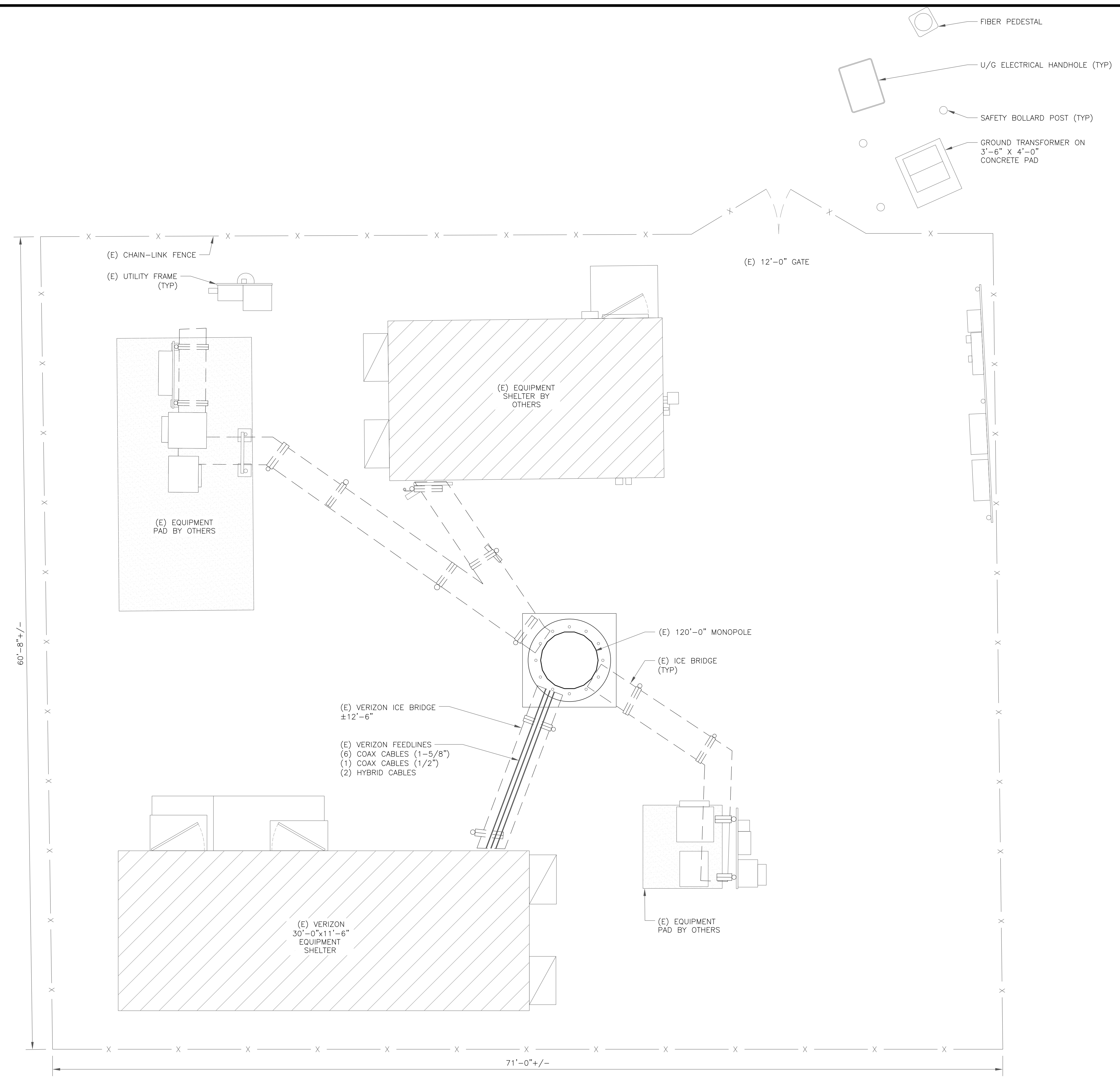
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0	8/26/21	JJR	CONSTRUCTION	JJR



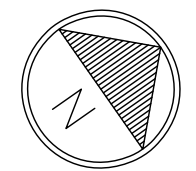
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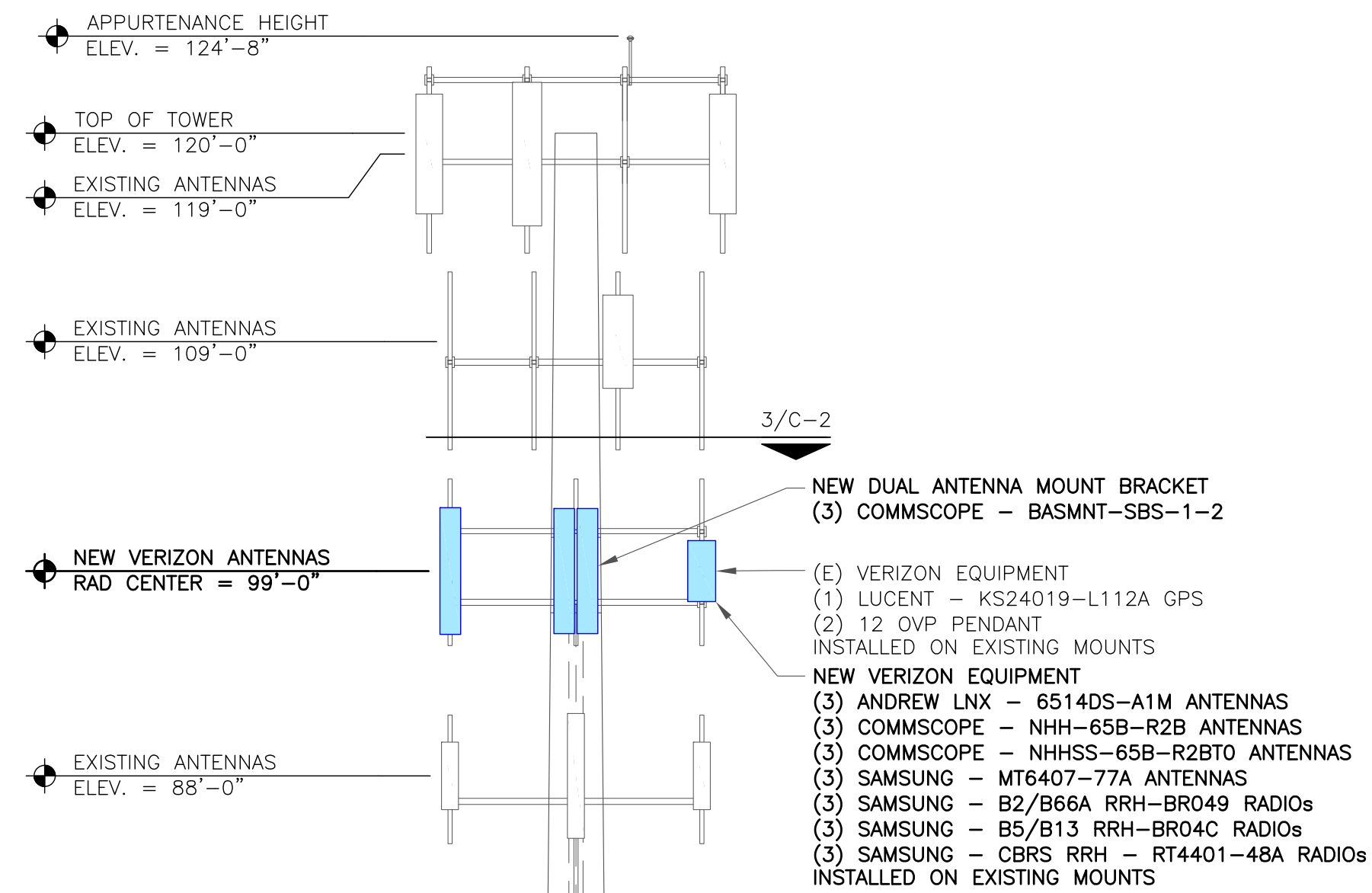
SHEET NUMBER: **C-1** REVISION: **0**



1 SITE PLAN
 SCALE: 1/4"=1'-0" (FULL SIZE)
 1/8"=1'-0" (11x17)

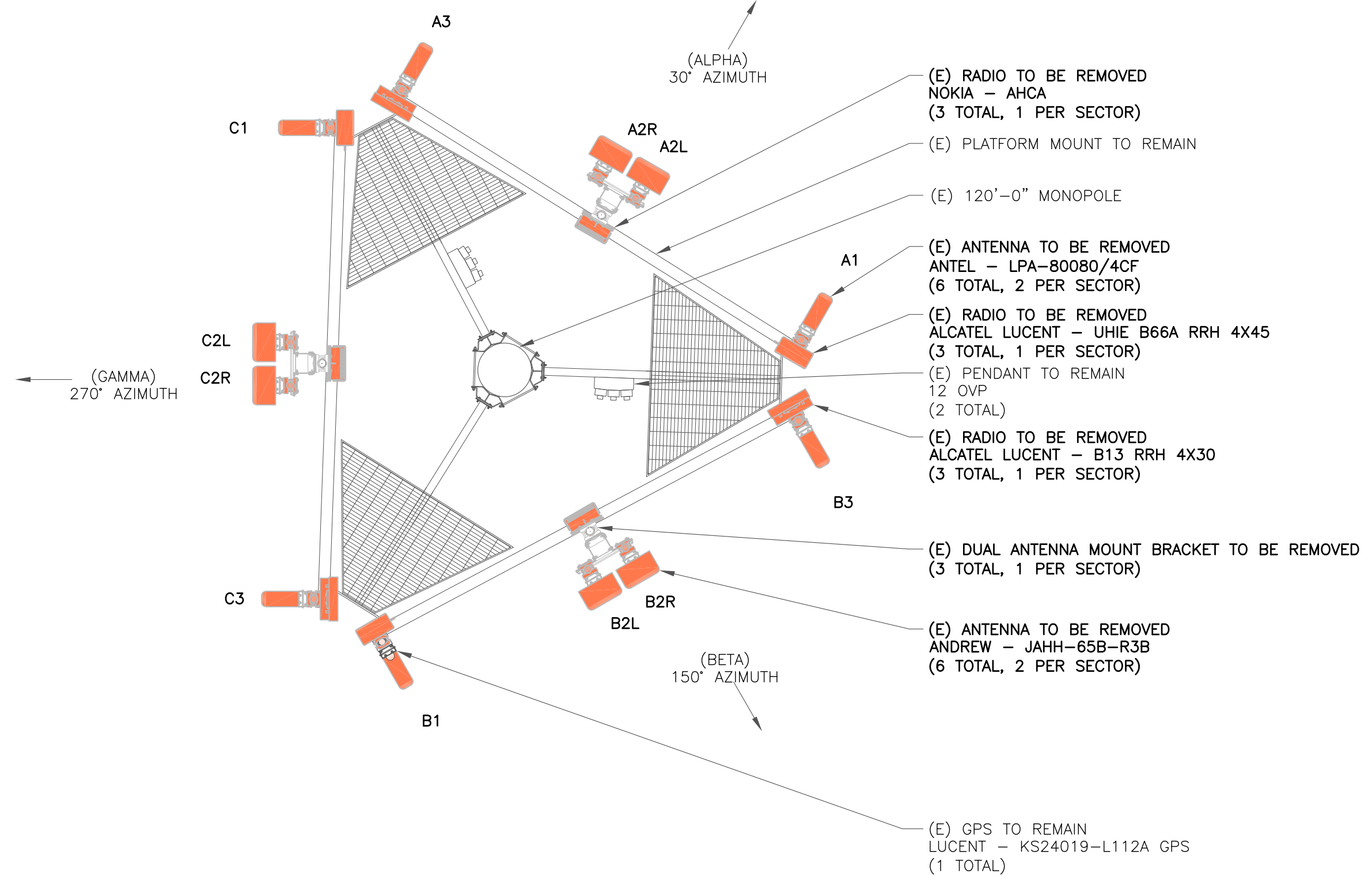


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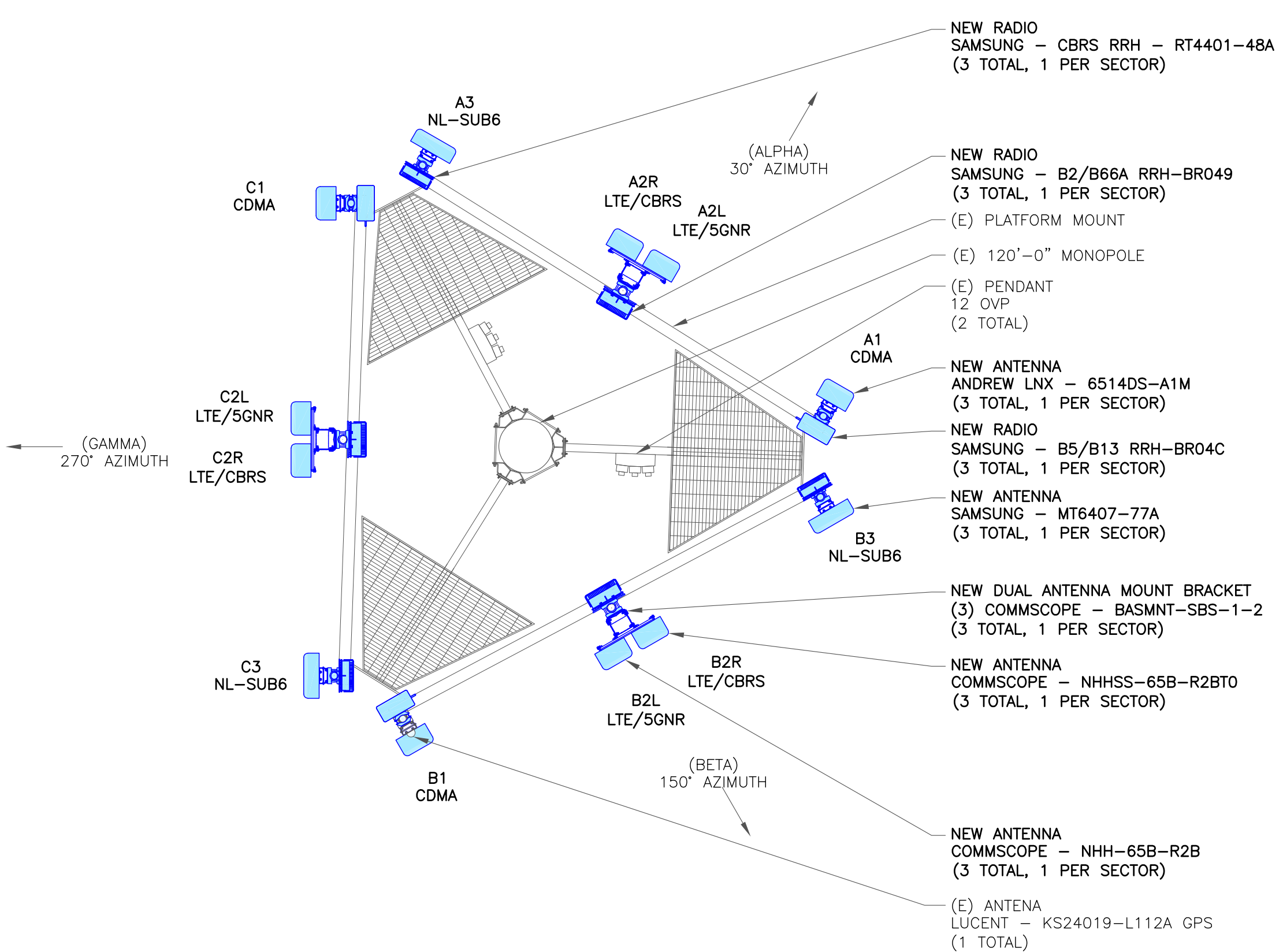


VERIZON EQUIPMENT
ANTENNA CL: 99'-0"
MOUNT CL: 99'-0"

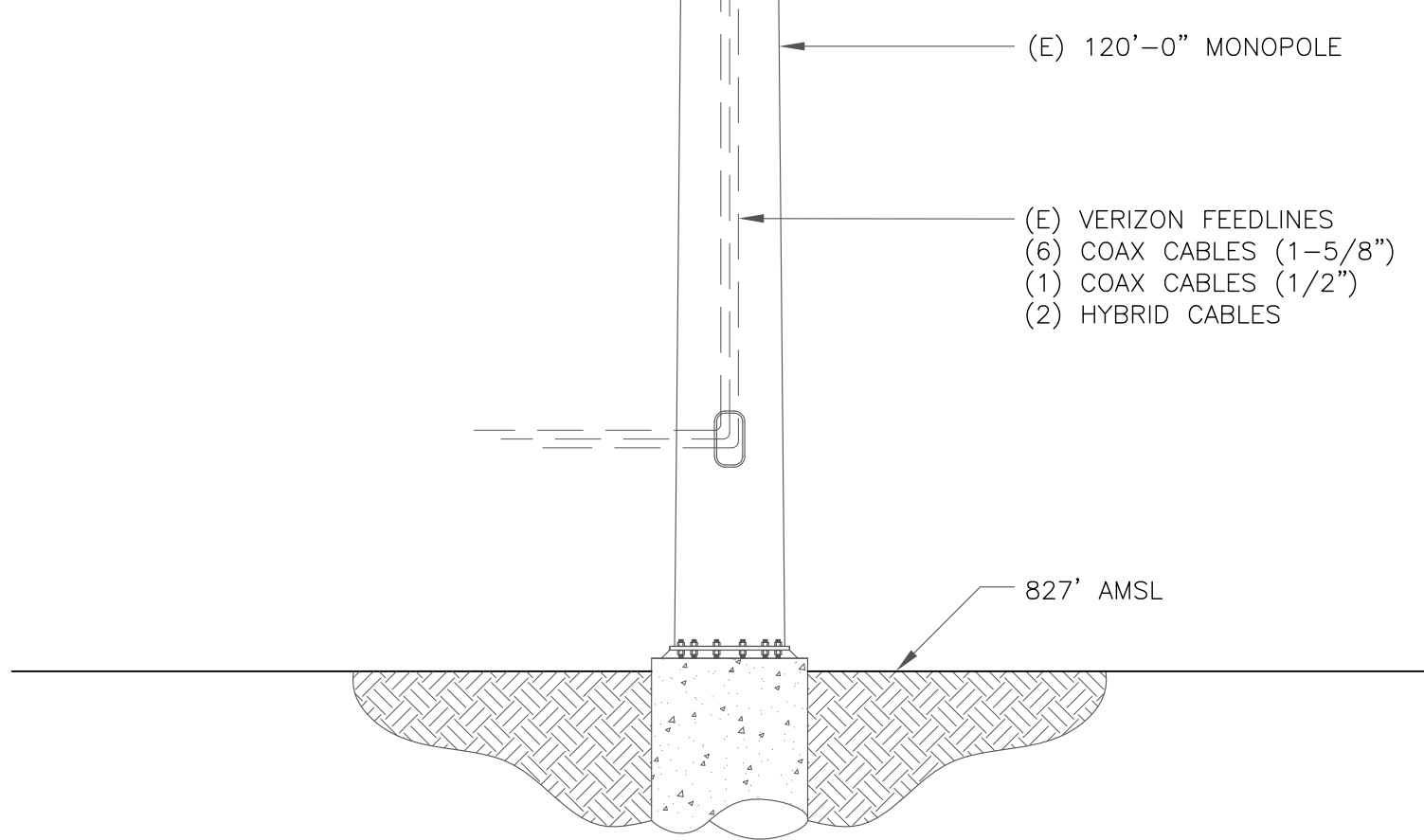
1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE



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VERIZON SITE NUMBER:
468219

BU #: 845993
BURLINGTON-NEPAUG ROAD

12 NEPAUG ROAD
BURLINGTON, CT 06013

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/26/21	JJR	CONSTRUCTION	JJR

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VERIZON SITE NUMBER:
468219

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

12 NEPAUG ROAD
 BURLINGTON, CT 06013

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

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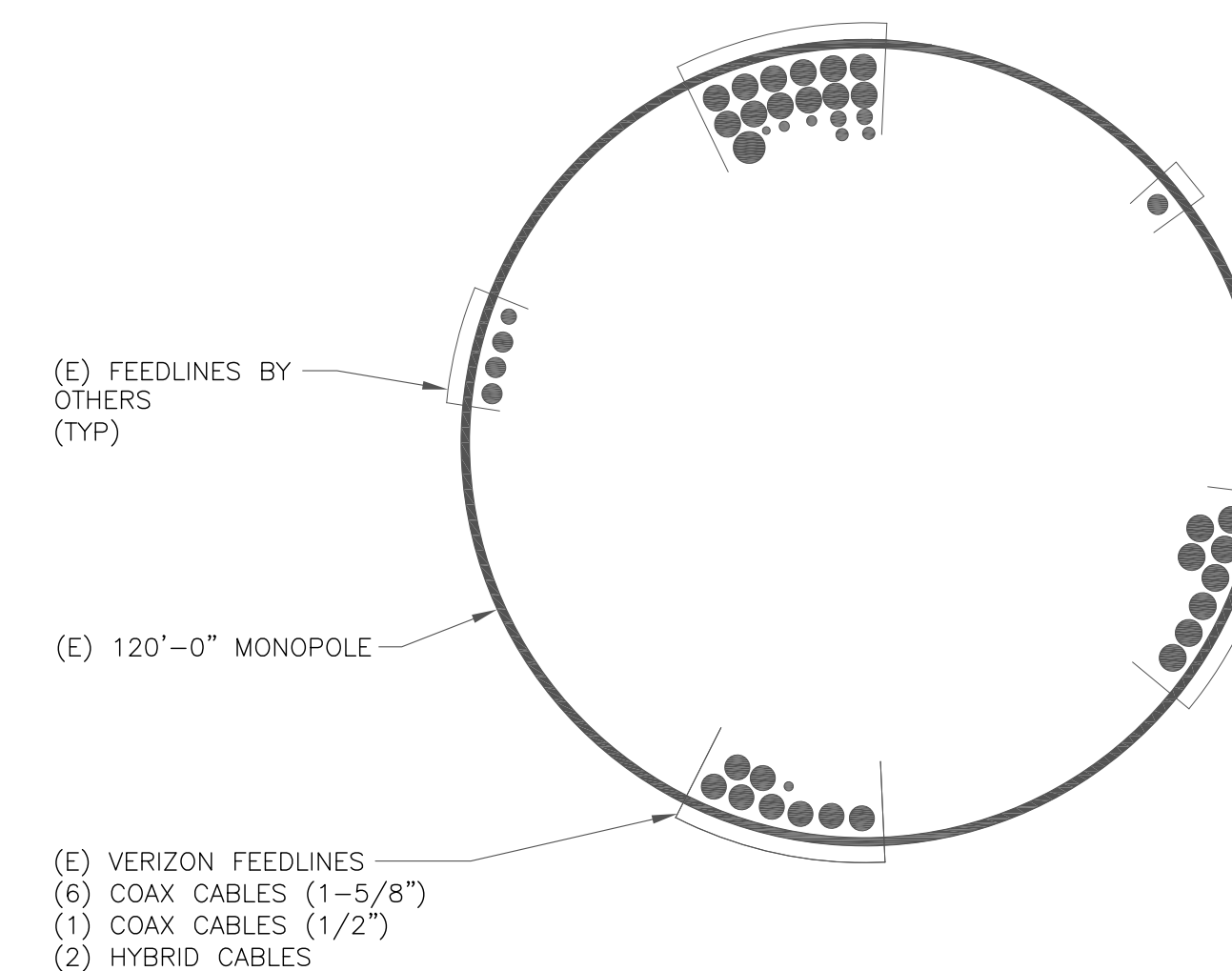
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	ANDREW LNX	6514DS-A1M	99'-0"	30°	0'	0'	-	(1) 12 OVP
A2L	NEW	COMMSCOPE	NHH-65B-R2B	99'-0"	30°	0'	3'/3'/0'	SAMSUNG	(1) B2/B66A RRH-BR049
A2R	NEW	COMMSCOPE	NHHSS-65B-R2BT0	99'-0"	30°	0'	0'/0'	SAMSUNG	(1) B5/B13 RRH-BR04C (1) CBRS RRH - RT4401-48A
A3	NEW	SAMSUNG	MT6407-77A	99'-0"	30°	0'	6'	-	-
-	EXISTING	LUCENT	KS24019-L112A GPS	101'-0"	150°	-	-	-	-
B1	NEW	ANDREW LNX	6514DS-A1M	99'-0"	150°	0'	0'	-	(1) 12 OVP
B2L	NEW	COMMSCOPE	NHH-65B-R2B	99'-0"	150°	0'	3'/3'/0'	SAMSUNG	(1) B2/B66A RRH-BR049
B2R	NEW	COMMSCOPE	NHHSS-65B-R2BT0	99'-0"	150°	0'	0'/0'	SAMSUNG	(1) B5/B13 RRH-BR04C (1) CBRS RRH - RT4401-48A
B3	NEW	SAMSUNG	MT6407-77A	99'-0"	150°	0'	6'	-	-
C1	NEW	ANDREW LNX	6514DS-A1M	99'-0"	270°	0'	0'	-	-
C2L	NEW	COMMSCOPE	NHH-65B-R2B	99'-0"	270°	0'	2'/2'/0'	SAMSUNG	(1) B2/B66A RRH-BR049
C2R	NEW	COMMSCOPE	NHHSS-65B-R2BT0	99'-0"	270°	0'	0'/0'	SAMSUNG	(1) B5/B13 RRH-BR04C (1) CBRS RRH - RT4401-48A
C3	NEW	SAMSUNG	MT6407-77A	99'-0"	270°	0'	6'	-	-

1 VERIZON TOWER EQUIPMENT SCHEDULE
 SCALE: NOT TO SCALE

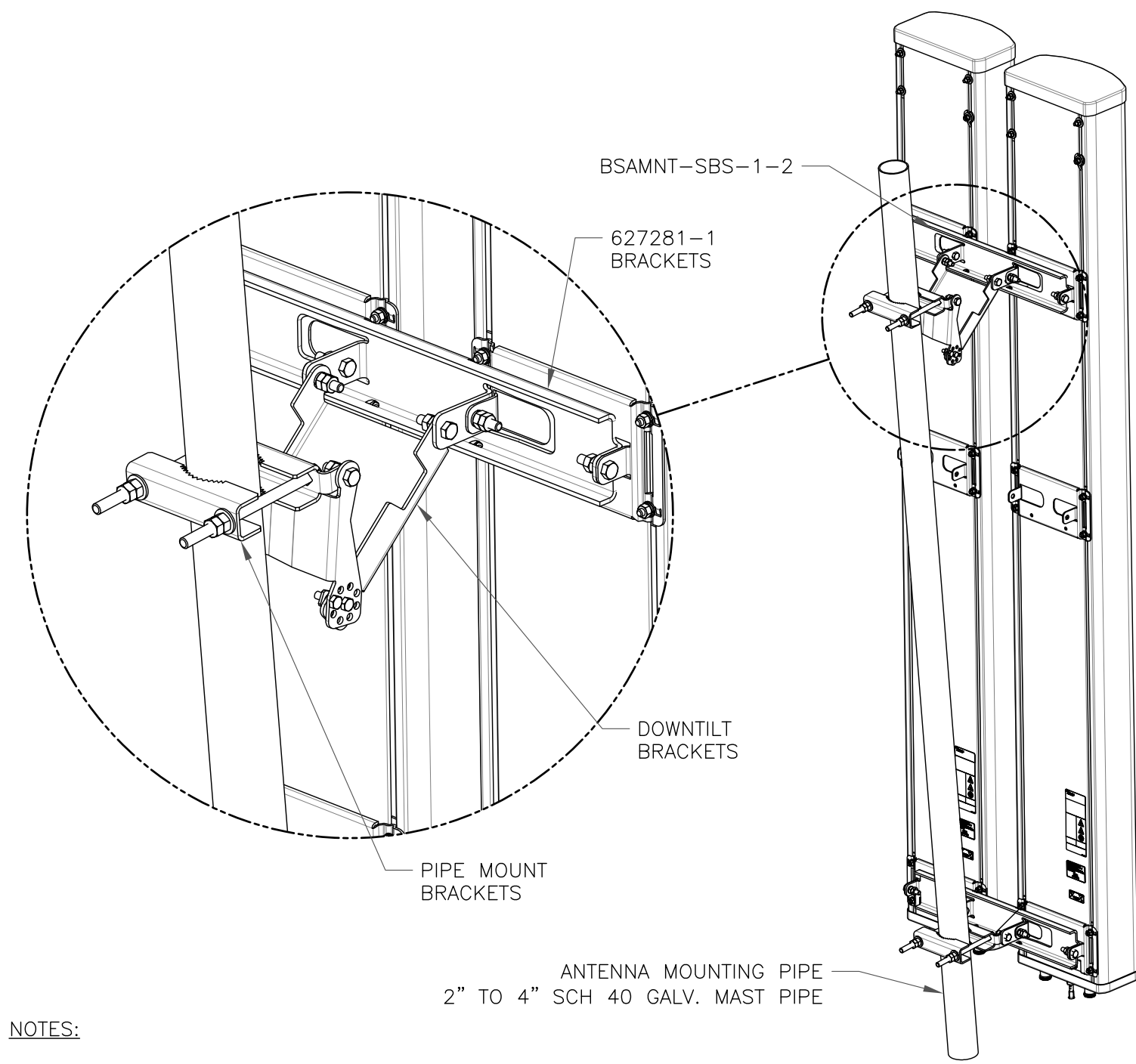
CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	149'-0"±	6
EXISTING	COAX	1/2"	149'-0"±	1
EXISTING	HYBRID	6x12	149'-0"±	2
TOTAL CABLE QTY:				9



2 BASE LEVEL DETAIL
 SCALE: NOT TO SCALE



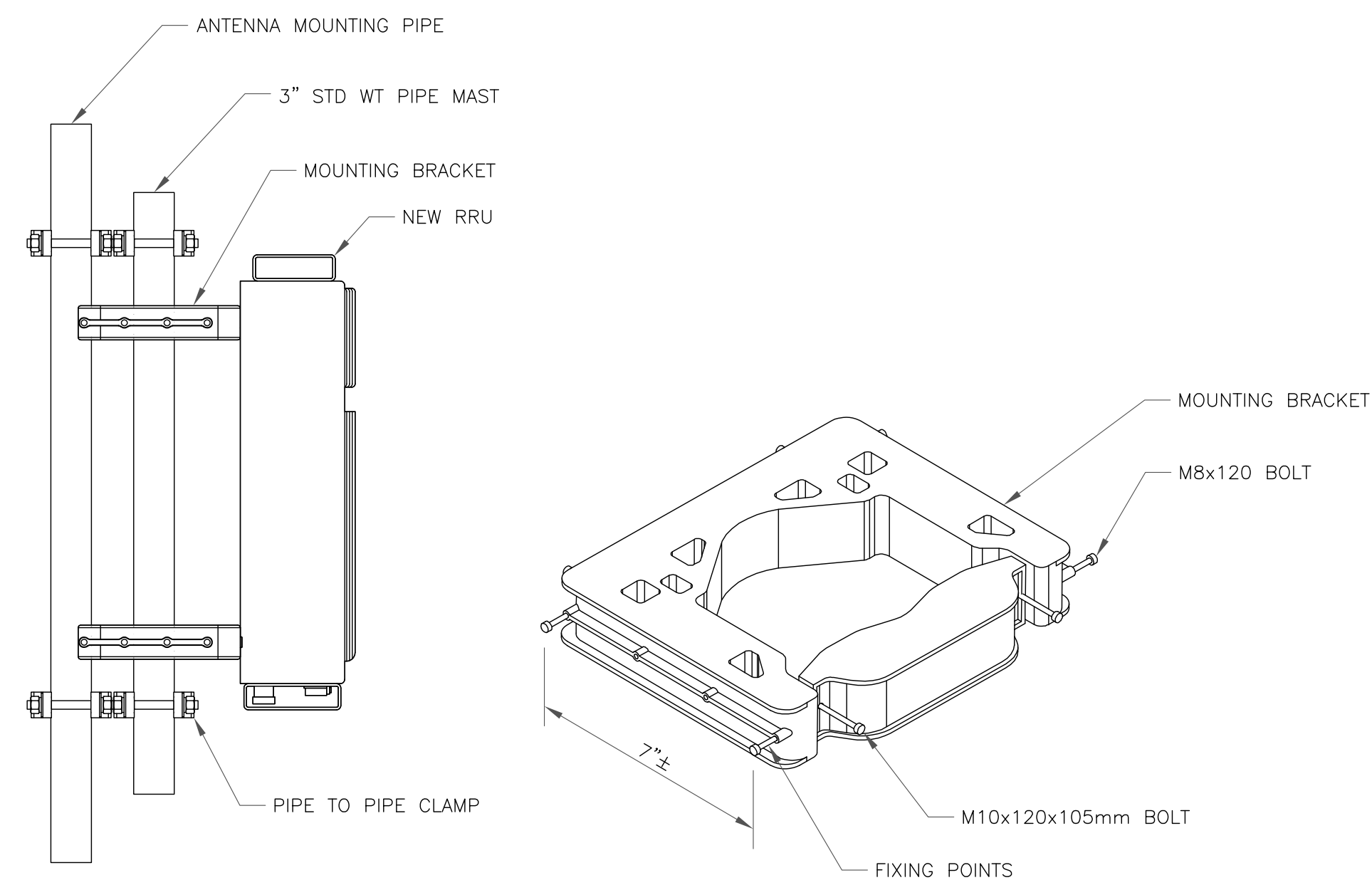


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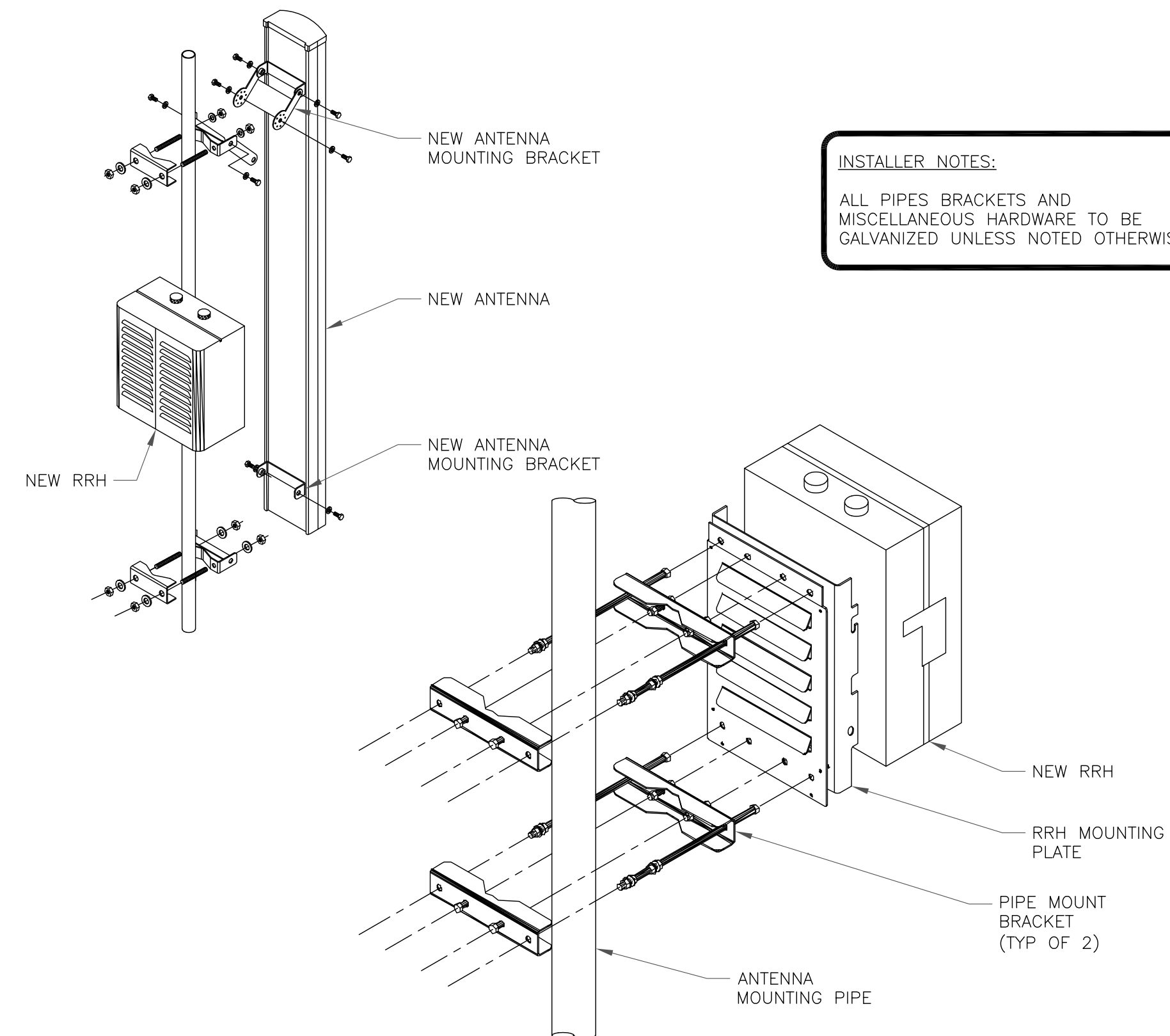
- BSAMNT-SBS-1-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

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

2 NOT USED
SCALE: NOT TO SCALE



3 NOKIA - FPKA BRACKET MOUNTING 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

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www.btgrp.com

VERIZON SITE NUMBER:
468219

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

12 NEPAUG ROAD
BURLINGTON, CT 06013

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/26/21	JJR	CONSTRUCTION	JJR

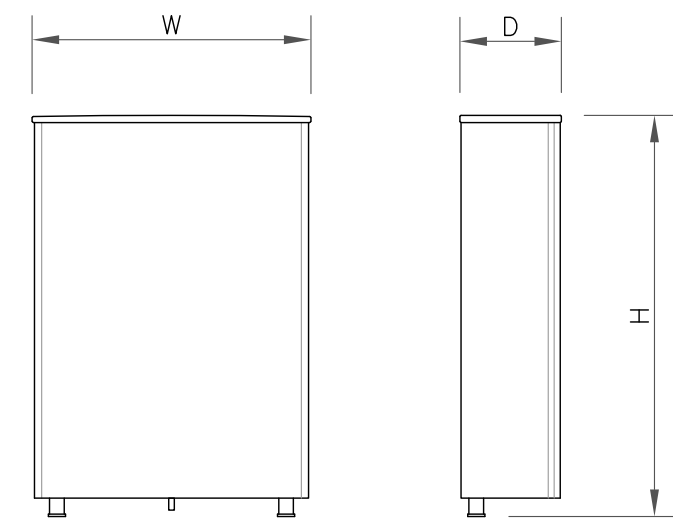


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SHEET NUMBER:
C-4

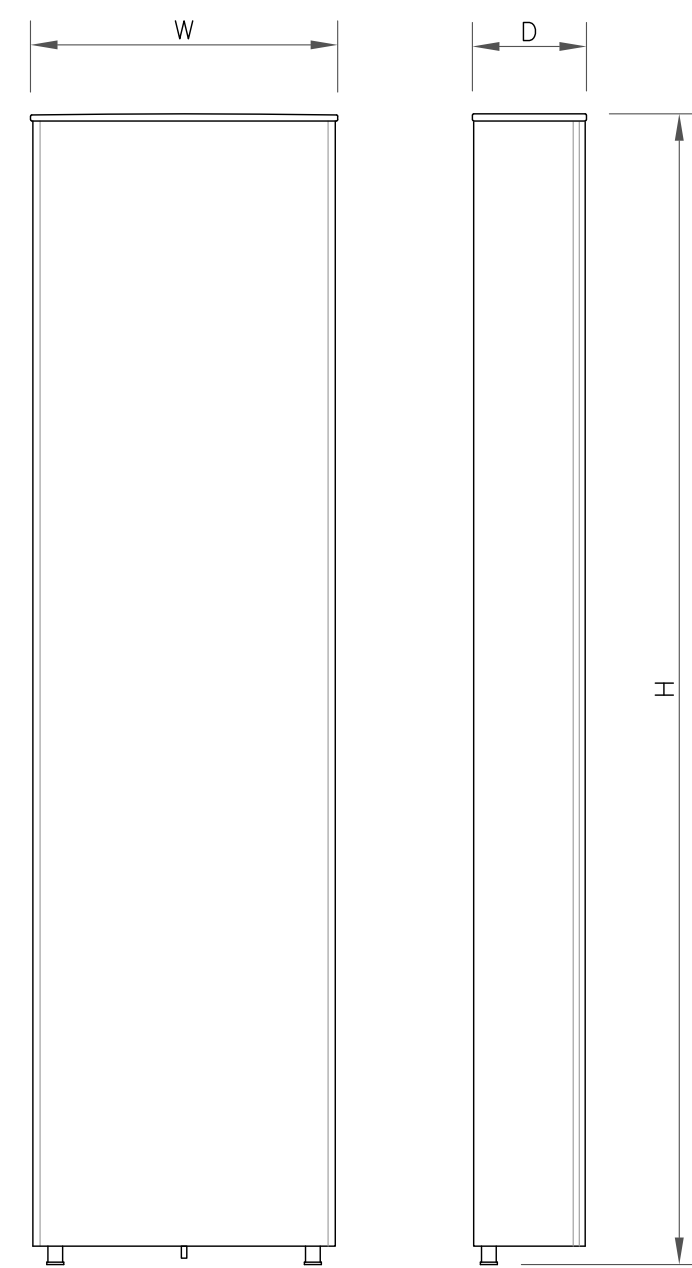
REVISION:
0



ANTENNA SPECS

MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.06"
WEIGHT	81.57 LBS

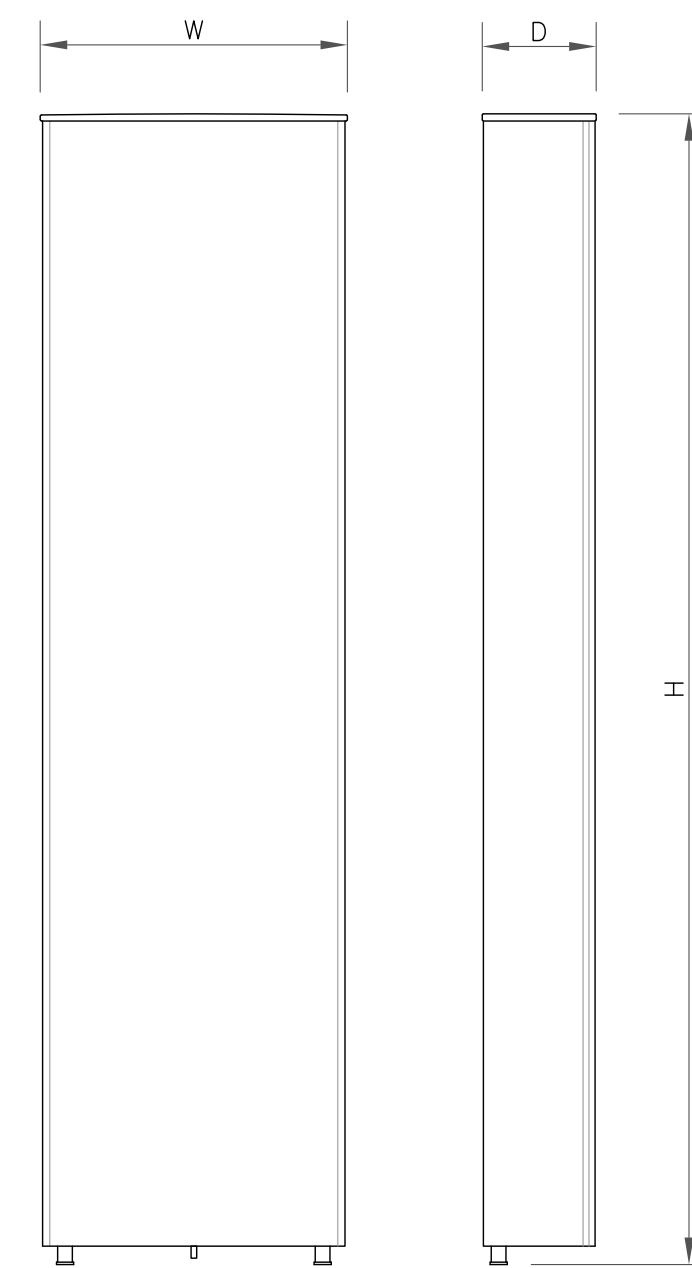
1 ANTENNA SPECS
SCALE: NOT TO SCALE



ANTENNA SPECS

MANUFACTURER	COMMSCOPE
MODEL #	NHH-65B-R2B
WIDTH	11.90"
DEPTH	7.10"
HEIGHT	72.0"
WEIGHT	43.70 LBS

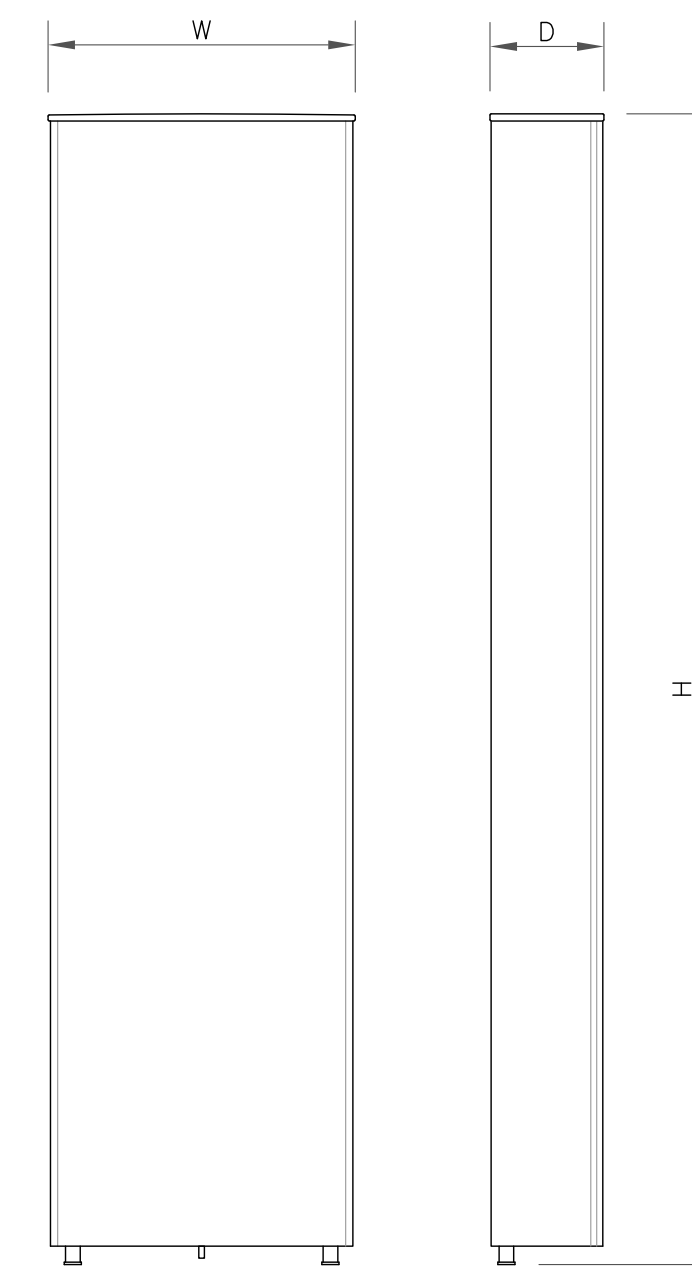
2 ANTENNA SPECS
SCALE: NOT TO SCALE



ANTENNA SPECS

MANUFACTURER	COMMSCOPE
MODEL #	NHHSS-65B-R2BT0
WIDTH	11.90"
DEPTH	7.10"
HEIGHT	72.0"
WEIGHT	65.50 LBS

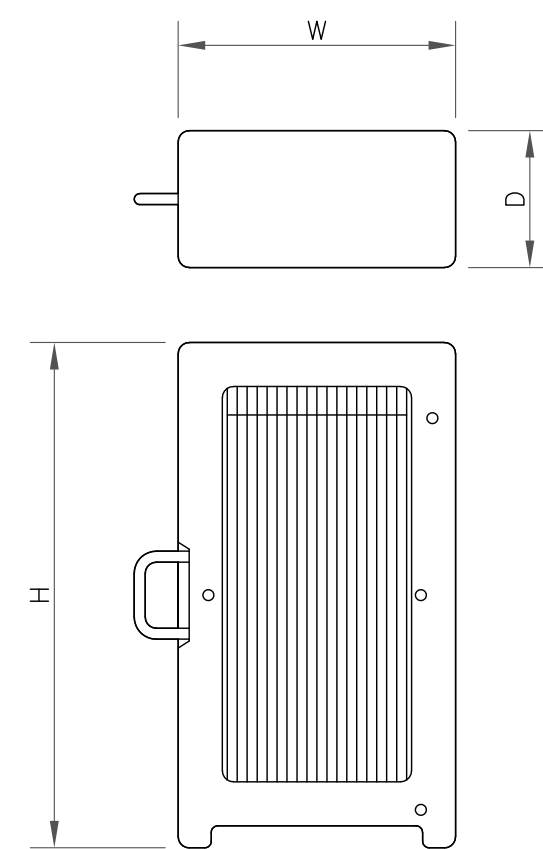
3 ANTENNA SPECS
SCALE: NOT TO SCALE



ANTENNA SPECS

MANUFACTURER	ANDREW LNX
MODEL #	6514DS-A1M
WIDTH	11.90"
DEPTH	7.10"
HEIGHT	72.90"
WEIGHT	38.80 LBS

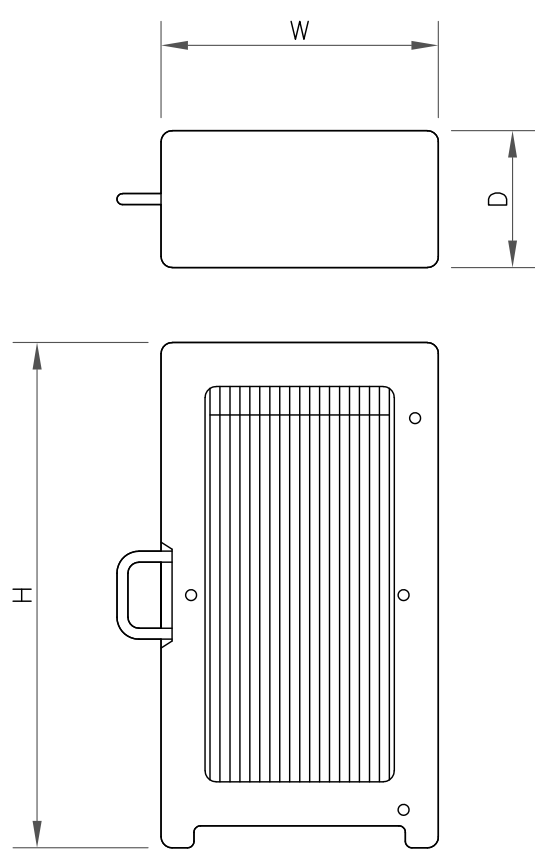
4 ANTENNA SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS

MANUFACTURER	SAMSUNG
MODEL #	B2/B66A RRH-BR049
WIDTH	15.0"
DEPTH	10.0"
HEIGHT	15.0"
WEIGHT	84.40 LBS

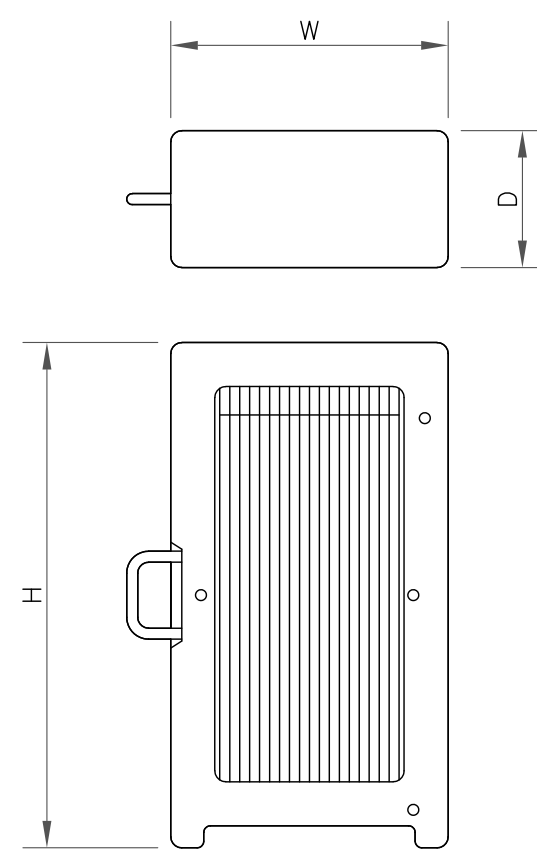
5 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS

MANUFACTURER	SAMSUNG
MODEL #	B5/B13 RRH-BR04C
WIDTH	15.0"
DEPTH	8.10"
HEIGHT	15.0"
WEIGHT	70.30 LBS

6 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS

MANUFACTURER	SAMSUNG
MODEL #	CBRS RRH - RT4401-48A
WIDTH	8.55"
DEPTH	4.15"
HEIGHT	13.91"
WEIGHT	18.64 LBS

7 RRU SPECS
SCALE: NOT TO SCALE

8 NOT USED
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
468219

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

12 NEPAUG ROAD
BURLINGTON, CT 06013

EXISTING 120'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/26/21	JJR	CONSTRUCTION	JJR

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 ROAD

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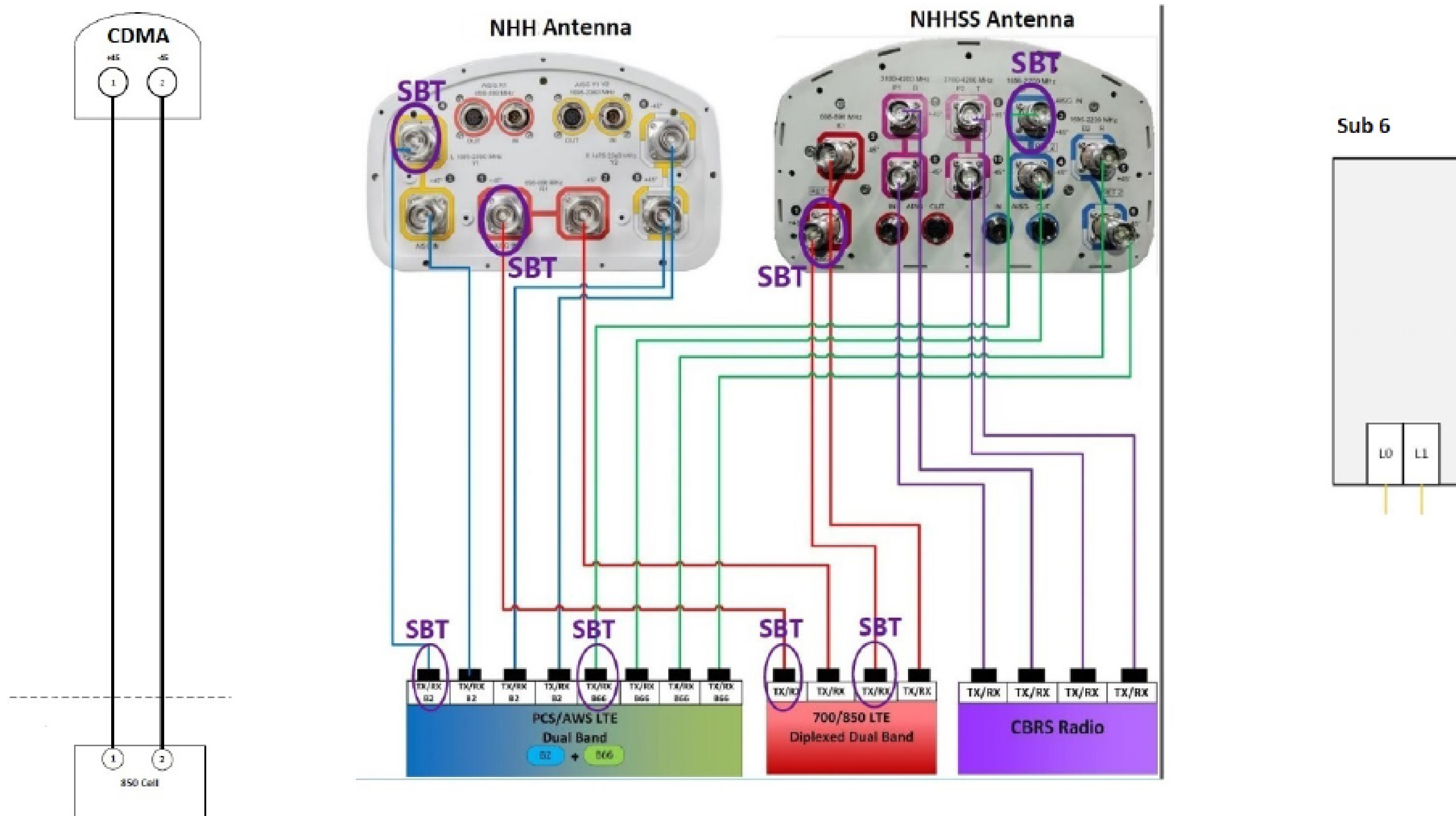
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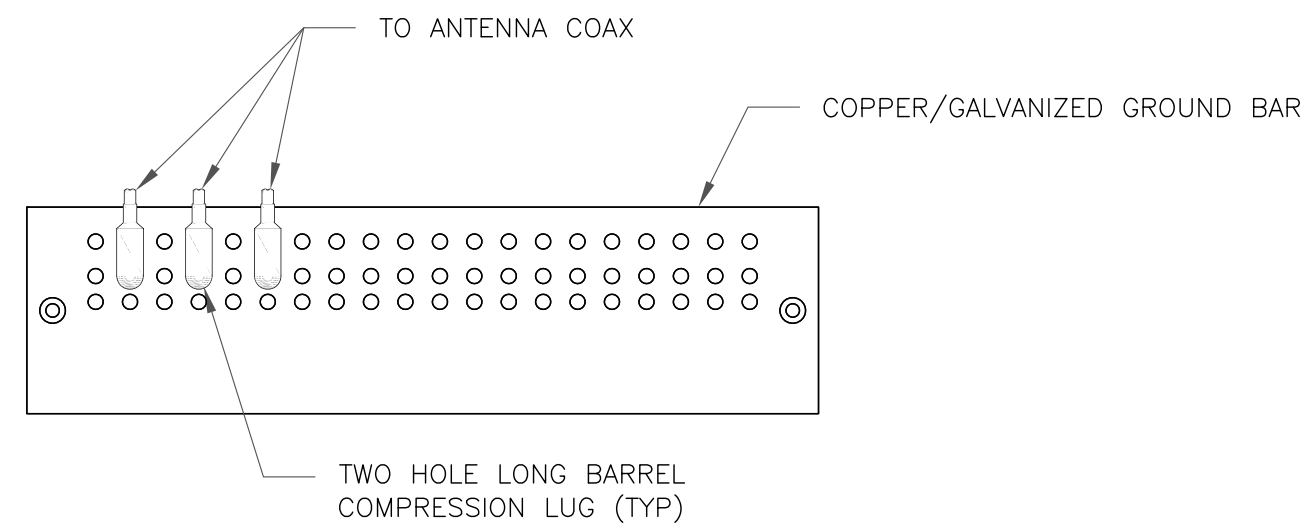
C-6

REVISION:

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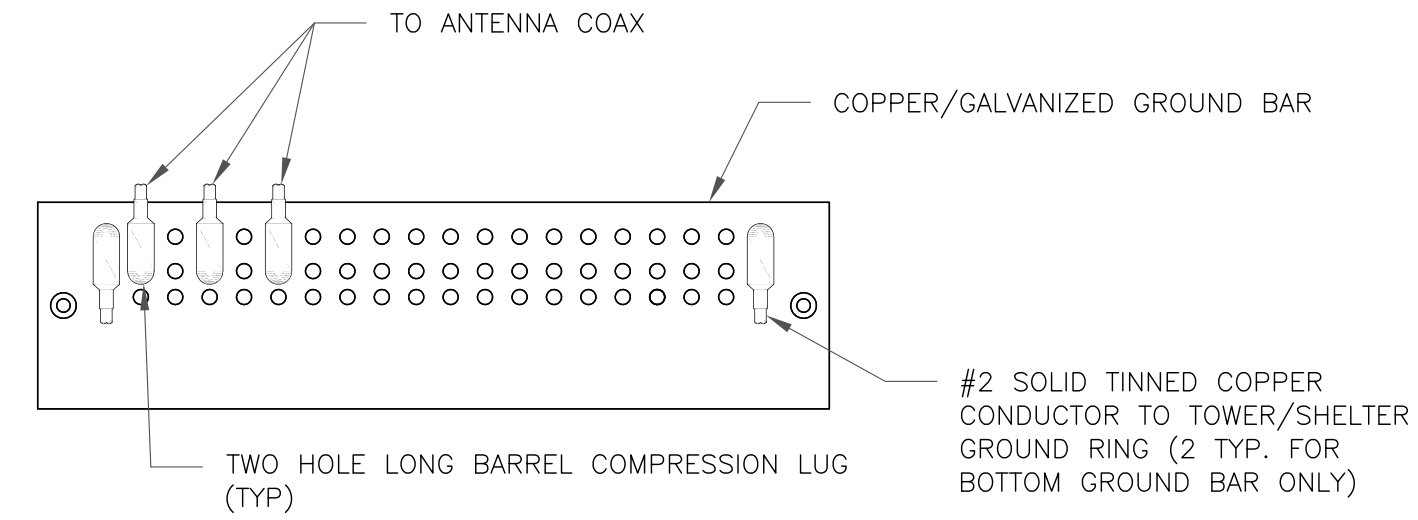
1 PLUMBING DIAGRAM
 SCALE: NOT TO SCALE



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.

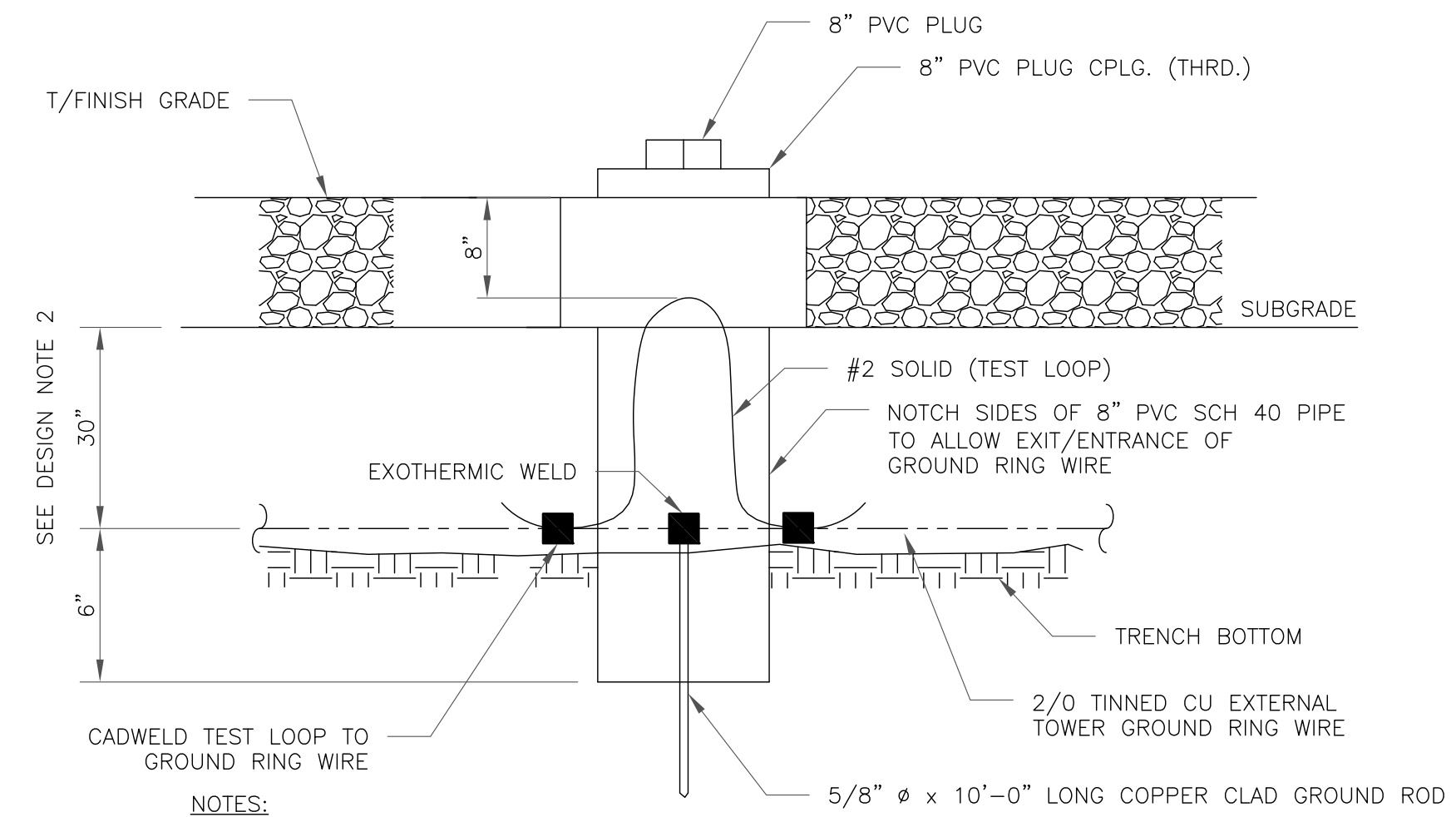
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



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.

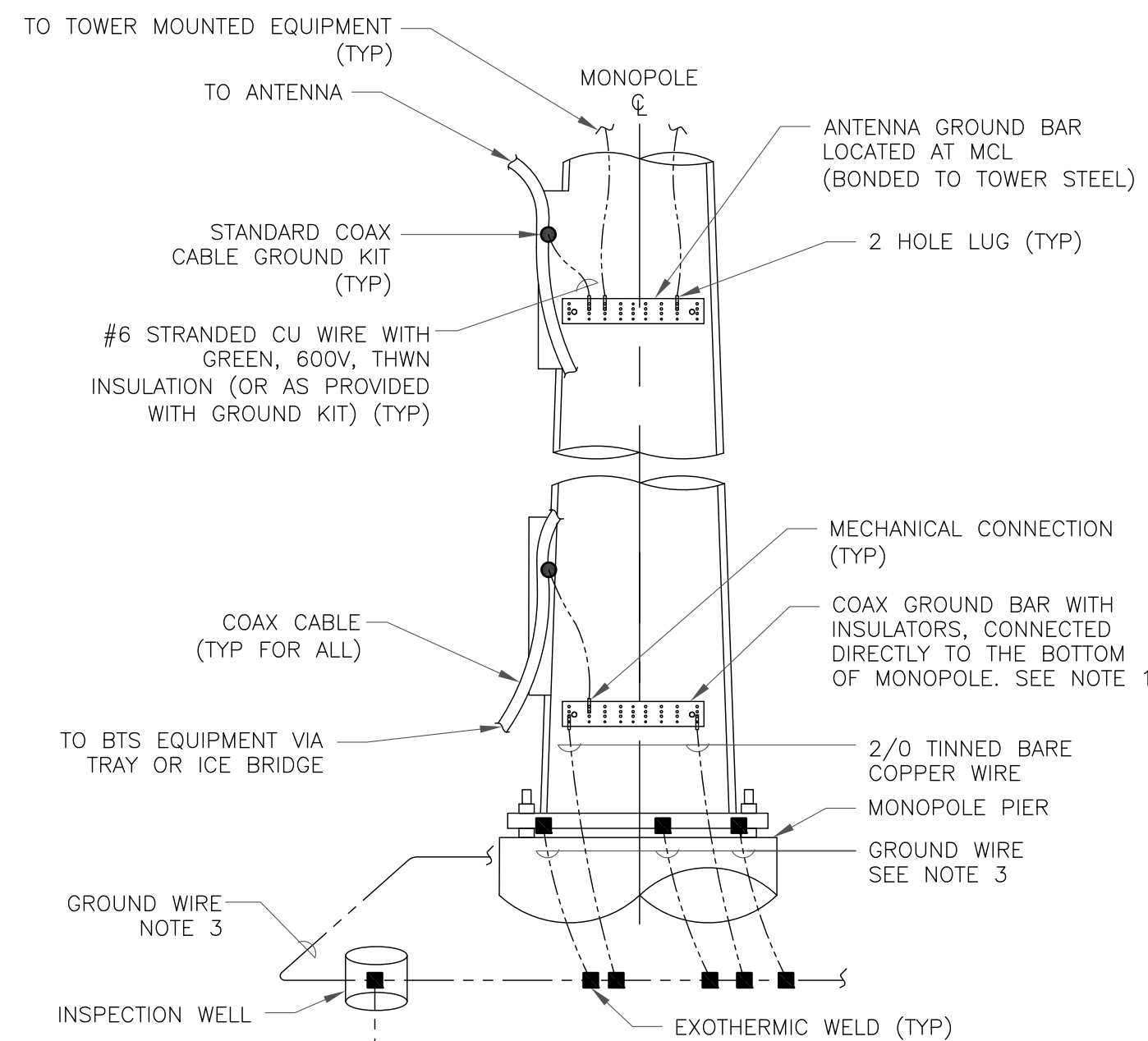
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



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).

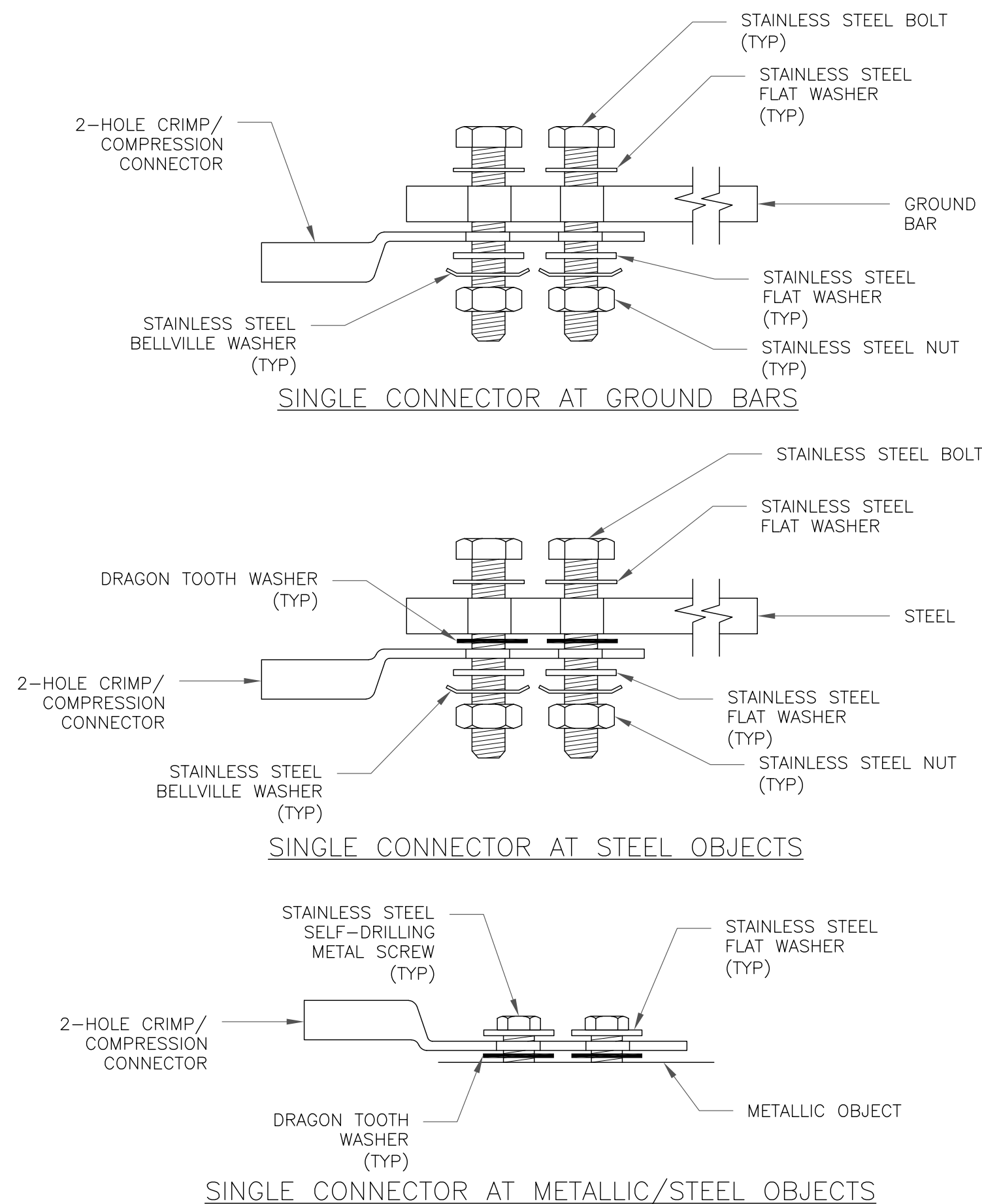
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



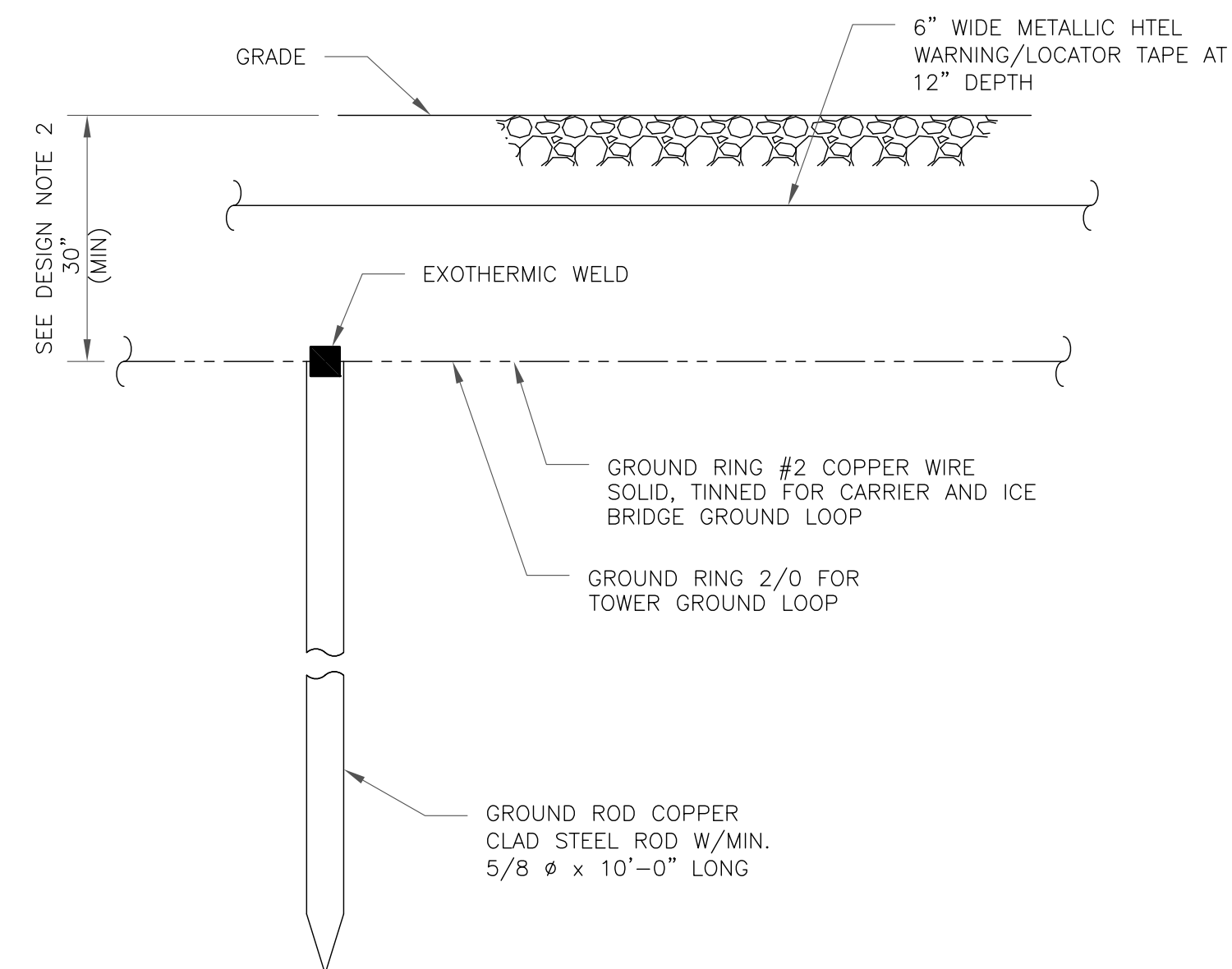
NOTES:

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

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EXISTING 120'-0" MONOPOLE

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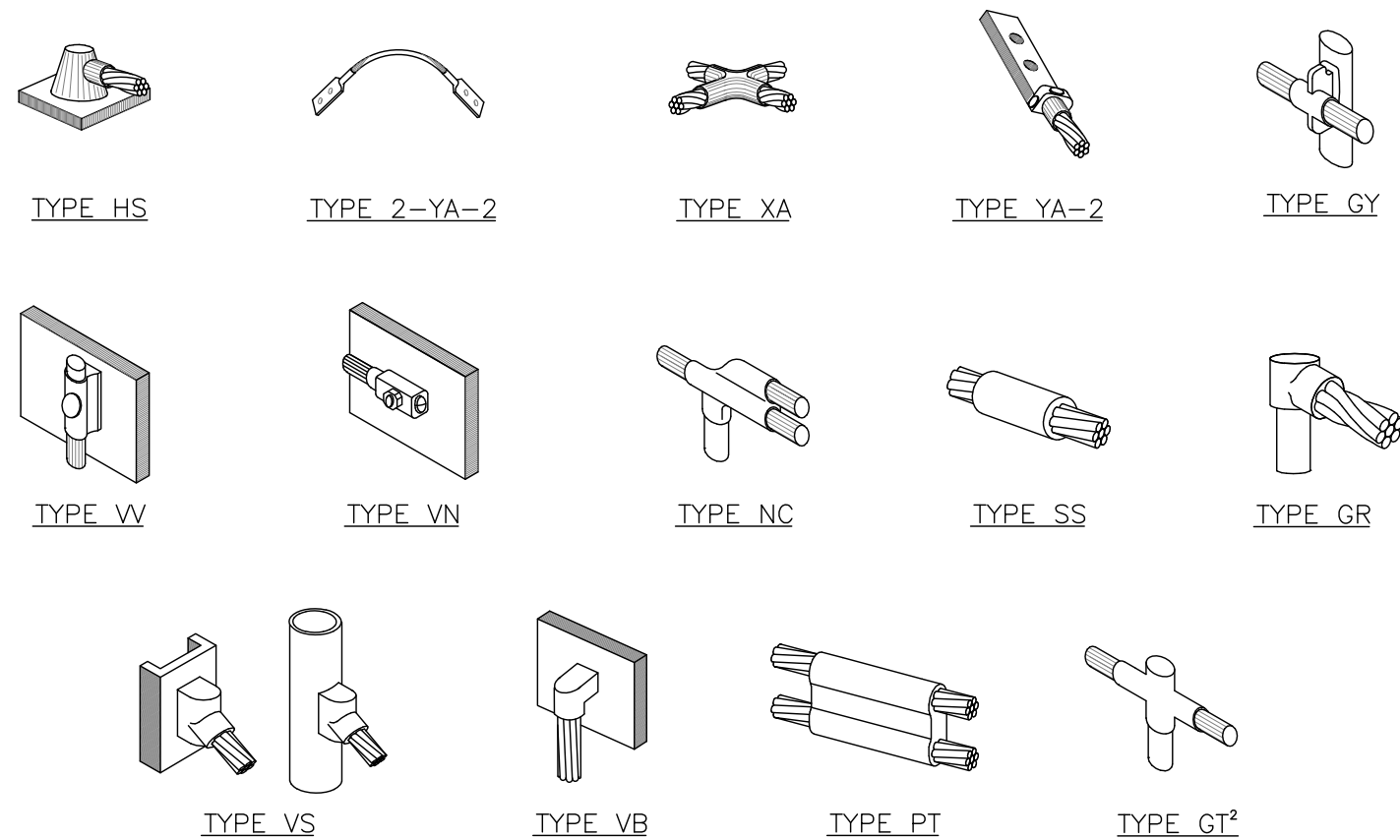
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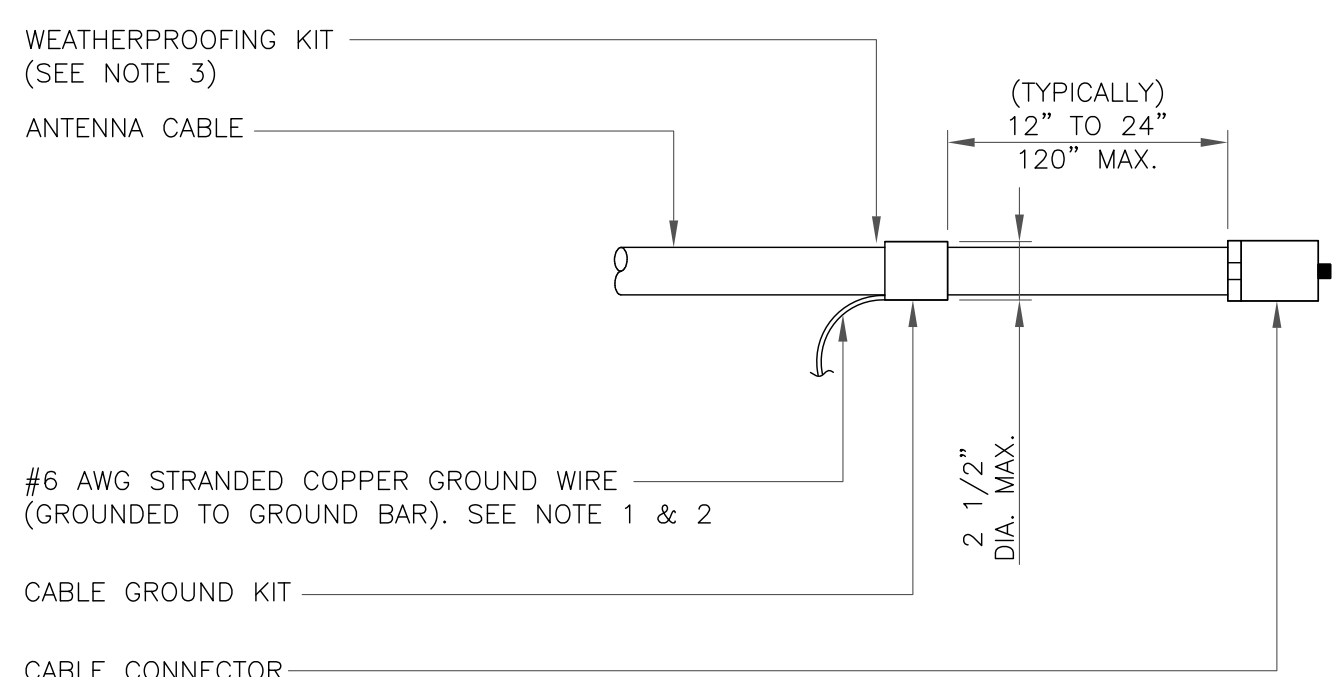
SHEET NUMBER: **G-1** REVISION: **0**



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.

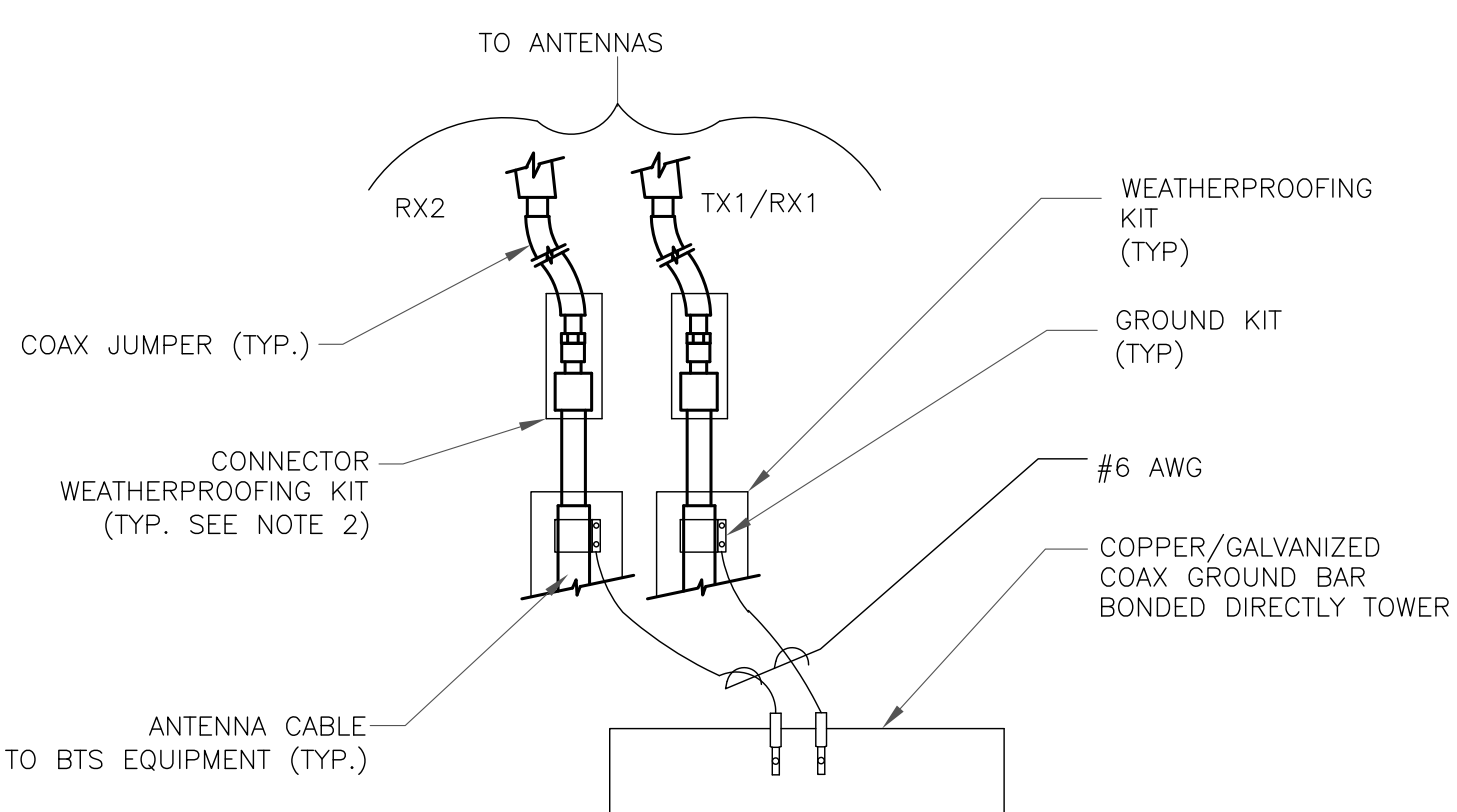
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



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.

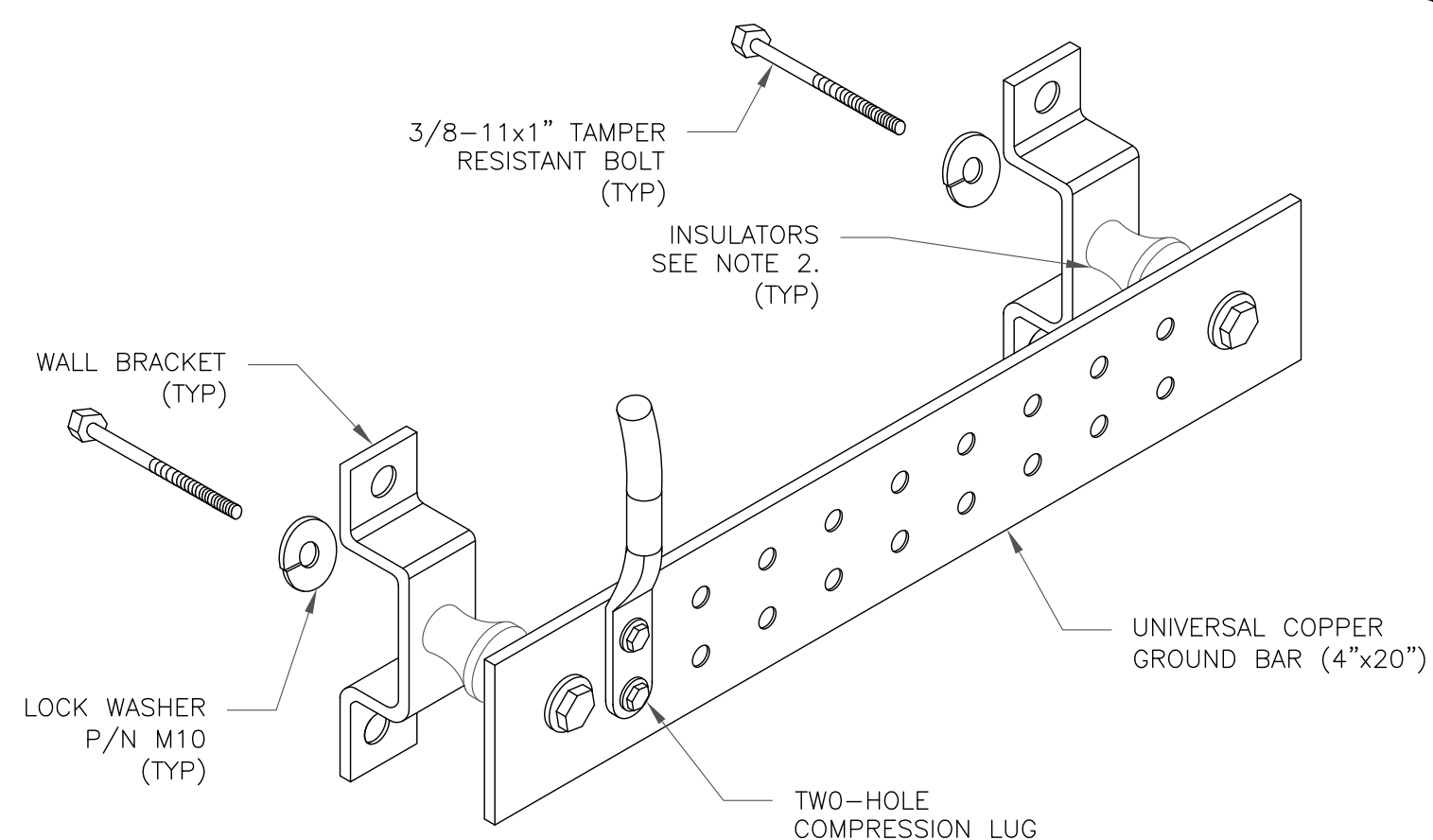
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



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.

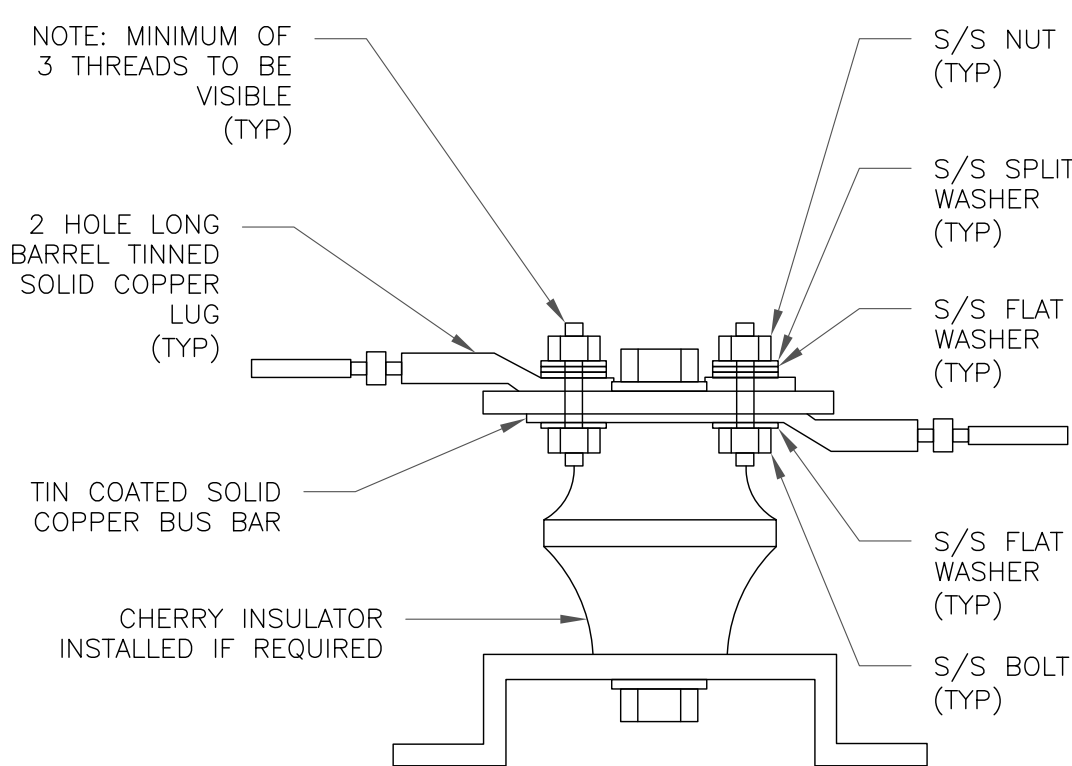
4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



NOTES:

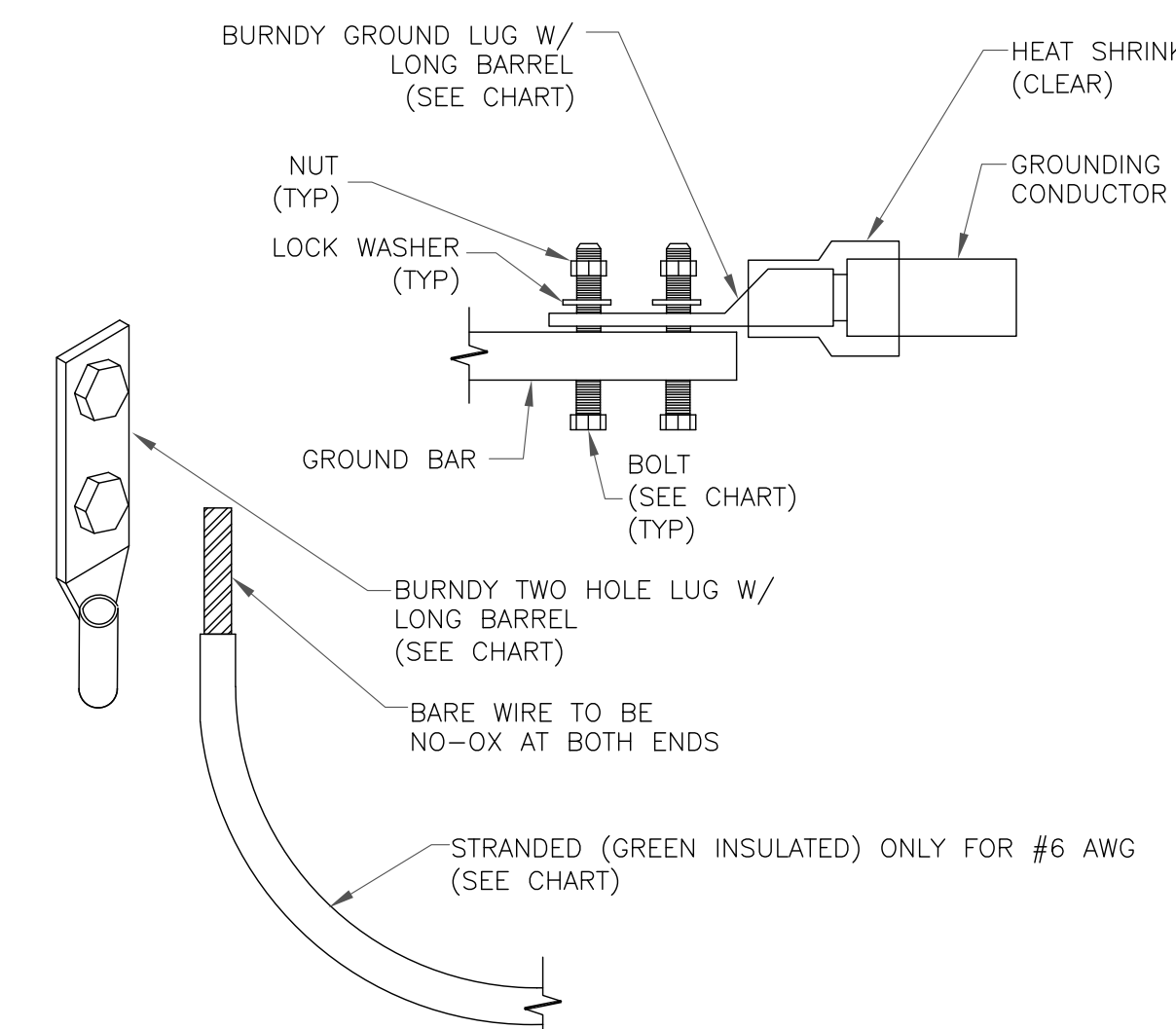
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR 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

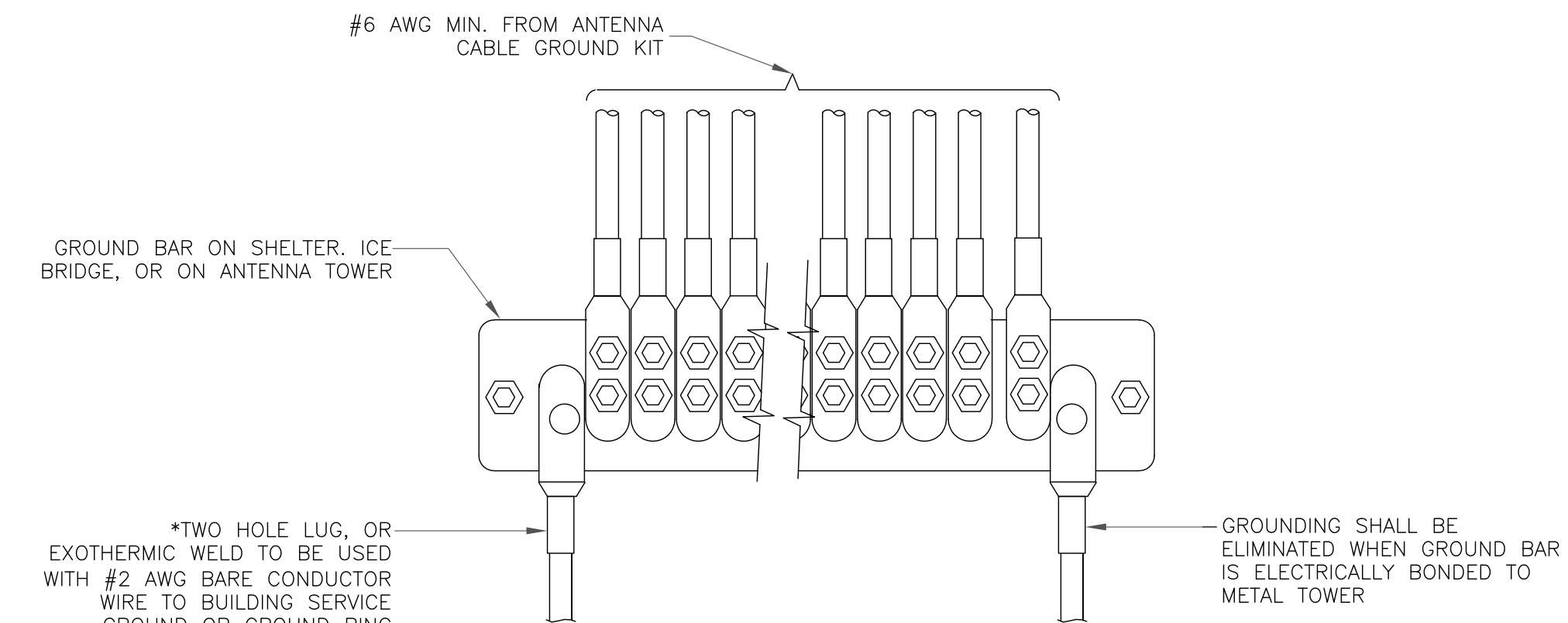
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



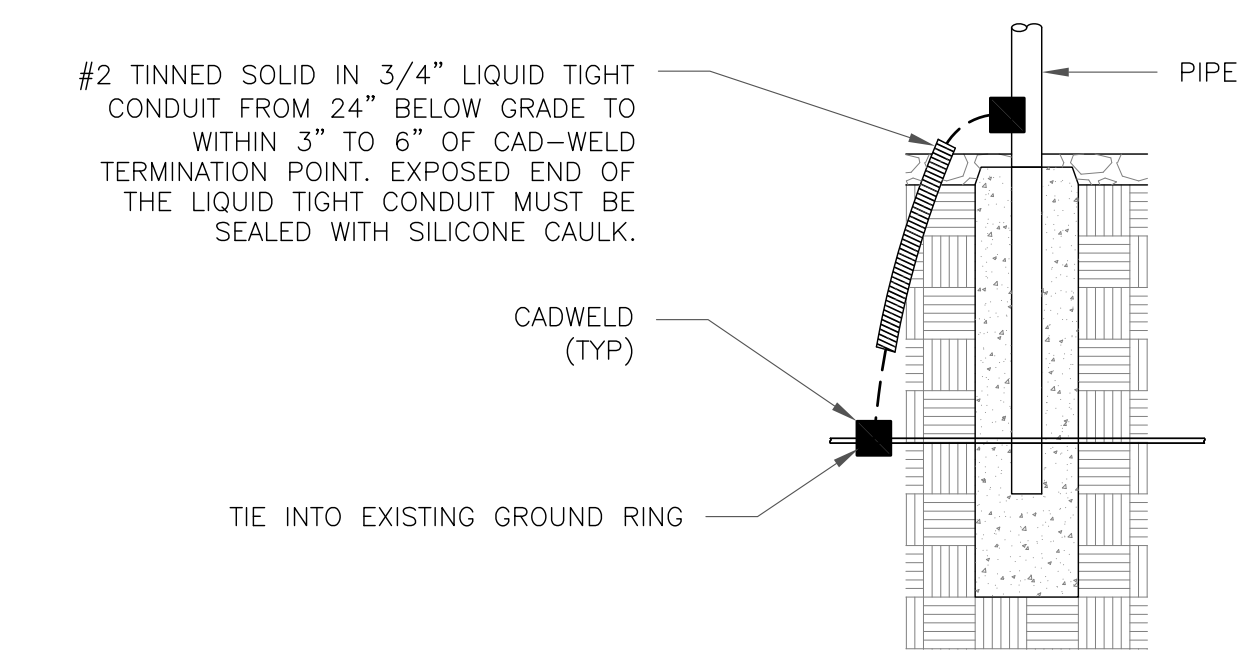
NOTES:

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



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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