



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

Phone: (314) 513-0147
www.crowncastle.com

October 13, 2021

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

RE: **Notice of Exempt Modification for Verizon**
Crown Site ID#800515; Verizon Site ID#468393
49 Wig Hill Road, Chester, Connecticut 06412
Latitude: 41° 24' 13.93" / Longitude: -72° 28' 20.82"

Dear Ms. Bachman:

Verizon currently maintains (12) antennas at the 141-foot mounts on the existing 150-foot Monopole Tower located at **49 Wig Hill Road., in Chester**. The property is owned by Hazel C. Negrelli and the Tower by Crown Castle. Verizon now intends to add three (3) existing antennas. 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.

Planned Modifications:

Tower:

REMOVE

(6) 1-5/8" Coax Cable

ADD

(3) Samsung VZS01 Antennas

The Facility was approved by the Connecticut Siting Council on May 13, 1998. The approval was with conditions which this exempt modification complies with.



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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 Lauren Gister, First Selectwoman for the Town of Chester, Richard Leighton, Building Inspector for the Town of Chester and Hazel C. Negrelli Trust as property 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).

Sincerely,

Ersilia Davis
NETWORK BUILDING + CONSULTING
Project Manager
1777 Sentry Parkway W | VEVA 17, Suite 400
Blue Bell, PA 19422
edavis@nbcllc.com
(551)804-0667



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Creve Coeur, MO 63141

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cc:

Lauren Gister, First Selectwoman
Town of Chester
203 Middlesex Avenue
Chester, CT 06412

Richard Leighton, Building Inspector
Town of Chester
203 Middlesex Avenue
Chester, CT 06412

Hazel C. Negrelli Trust, Property owner
P.O. Box 175
Truro, MA 02666



TRACK ANOTHER SHIPMENT

284860633839

[ADD NICKNAME](#)



Delivered
Thursday, October 14, 2021 at 11:42 am



DELIVERED
Signature not required
[GET STATUS UPDATES](#)
[OBTAIN PROOF OF DELIVERY](#)

FROM
Ersilia Davis
1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO
Lauren Gister
Town of Chester
203 Middlesex Avenue
CHESTER, CT US 06412
860-526-0013

Travel History

TIME ZONE

Local Scan Time

▼

Thursday, October 14, 2021

11:42 AM	CHESTER, CT	Delivered Package delivered to recipient address - release authorized
9:12 AM	NORTH HAVEN, CT	On FedEx vehicle for delivery
8:02 AM	NORTH HAVEN, CT	At local FedEx facility
3:40 AM	NEWARK, NJ	Departed FedEx hub

Wednesday, October 13, 2021

10:37 PM	NEWARK, NJ	Arrived at FedEx hub
9:20 PM	NEWBURGH, NY	Left FedEx origin facility
6:30 PM	NEWBURGH, NY	Picked up
5:17 PM		Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER 284860633839	SERVICE FedEx Priority Overnight	WEIGHT 1 lbs / 0.45 kgs
DELIVERY ATTEMPTS 1	DELIVERED TO Residence	TOTAL PIECES 1
TOTAL SHIPMENT WEIGHT 1 lbs / 0.45 kgs	TERMS Shipper	SHIPPER REFERENCE 100788/ NBC 800515
PACKAGING FedEx Envelope	SPECIAL HANDLING SECTION Deliver Weekday	SHIP DATE 10/13/21 ?
STANDARD TRANSIT 10/14/21 before 12:00 pm ?	ACTUAL DELIVERY 10/14/21 at 11:42 am	



TRACK ANOTHER SHIPMENT

284859742718

ADD NICKNAME



Delivered
Thursday, October 14, 2021 at 11:42 am



DELIVERED
Signature not required
[GET STATUS UPDATES](#)
[OBTAIN PROOF OF DELIVERY](#)

FROM
Ersilia Davis
1777 Sentry Parkway
VEVA 17, Suite 210
Blue Bell, PA US 19422
551-804-0667

TO
Richard Leighton
Town of Chester
203 Middlesex Avenue
CHESTER, CT US 06412
860-526-0013

Travel History

TIME ZONE

Local Scan Time

▼

Thursday, October 14, 2021

11:42 AM

CHESTER, CT

Delivered
Package delivered to recipient address - release authorized

9:12 AM

NORTH HAVEN, CT

On FedEx vehicle for delivery

8:01 AM

NORTH HAVEN, CT

At local FedEx facility

3:40 AM

NEWARK, NJ

Departed FedEx hub

Wednesday, October 13, 2021

10:37 PM

NEWARK, NJ

Arrived at FedEx hub

9:20 PM

NEWBURGH, NY

Left FedEx origin facility

6:30 PM

NEWBURGH, NY

Picked up

4:57 PM

Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER 284859742718	SERVICE FedEx Priority Overnight	WEIGHT 1 lbs / 0.45 kgs
DELIVERY ATTEMPTS 1	DELIVERED TO Residence	TOTAL PIECES 1
TOTAL SHIPMENT WEIGHT 1 lbs / 0.45 kgs	TERMS Shipper	SHIPPER REFERENCE 100788/NBC 800515
PACKAGING FedEx Envelope	SPECIAL HANDLING SECTION Deliver Weekday	SHIP DATE 10/13/21 ⓘ
STANDARD TRANSIT 10/14/21 before 12:00 pm ⓘ	ACTUAL DELIVERY 10/14/21 at 11:42 am	



TRACK ANOTHER SHIPMENT

284860519545

ADD NICKNAME



DELAYED

Updated delivery:
Thursday, October 14, 2021 before 4:30 pm
Initially expected: Thursday, 10/14/2021



OPERATIONAL DELAY
WEST YARMOUTH, MA
GET STATUS UPDATES

Want to know when your package will arrive?
See your estimated delivery time with FedEx Delivery Manager. [Sign up](#) or [Log in](#)

FROM

Ersilia Davis

1777 Sentry Parkway

VEVA 17, Suite 210

Blue Bell, PA US 19422

551-804-0667

TO

Hazel C. Negrelli Trust

19 ANDREW WAY

TRURO, MA US 02666

508-413-9034

MANAGE DELIVERY

Travel History

TIME ZONE
Local Scan Time



Thursday, October 14, 2021

11:57 AM	WEST YARMOUTH, MA	Operational Delay Incorrect Address
9:40 AM	WEST YARMOUTH, MA	On FedEx vehicle for delivery
9:04 AM	WEST YARMOUTH, MA	At local FedEx facility
4:41 AM	EAST BOSTON, MA	At destination sort facility

4:01 AM	NEWARK, NJ	Departed FedEx hub
Wednesday, October 13, 2021		
10:37 PM	NEWARK, NJ	Arrived at FedEx hub
9:20 PM	NEWBURGH, NY	Left FedEx origin facility
6:30 PM	NEWBURGH, NY	Picked up
5:14 PM		Shipment information sent to FedEx

Shipment Facts

TRACKING NUMBER 284860519545	SERVICE FedEx Priority Overnight	WEIGHT 1 lbs / 0.45 kgs
TOTAL PIECES 1	TOTAL SHIPMENT WEIGHT 1 lbs / 0.45 kgs	TERMS Shipper
SHIPPER REFERENCE 100788/ NBC 800515	PACKAGING FedEx Envelope	SPECIAL HANDLING SECTION Deliver Weekday
SHIP DATE 10/13/21 ?	STANDARD TRANSIT 10/14/21 before 4:30 pm ?	SHIPMENT-DATES- DISPLAY.UPDATED-DELIVERY 10/14/21 before 4:30 pm

Exhibit A

Original Facility Approval

Exhibit A

Original Facility Approval



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Melanie Bachman,
Executive Director

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DOCKET NO. 181 - Cellco Partnership d/b/a Bell Atlantic Mobile application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications tower and associated equipment located at 8 Inspiration Lane, or 49 Wig Hill Road in the Town of Chester, Connecticut

Connecticut Siting Council

May 13, 1998

Decision and Order

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 at the proposed alternate site in Chester, Connecticut, 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 application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Bell Atlantic Mobile (BAM) for the construction, operation, and maintenance of a telecommunications tower, associated equipment, and buildings at the proposed alternate site, on an approximately 18 acre site at 49 Wig Hill Road in the Town of Chester, Connecticut. We deny certification of the proposed prime site, without prejudice, due to the potential effects to the environment associated with the construction of additional future towers that would be required to provide adequate coverage for all carriers along Route 9, with a tower configuration using the proposed prime site.

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 as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of BAM, Springwiche Cellular Limited Partnership (Springwiche), Sprint Spectrum L. P. (Sprint), Nextel Communications of the Mid-Atlantic, Inc. (Nextel); and other entities, both public and private, but such tower shall not exceed a height of 150 feet above ground level (AGL).
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 final site plan(s) for site development to include the location and specifications for the tower foundation, antennas, equipment buildings, emergency generator and fuel tank, security fence, access road, and utility line; construction plans for site clearing, tree trimming, water drainage, and erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended; provisions for the tower finish that may include painting; and provisions for the prevention and containment of spills and/or other discharge into surface water and groundwater bodies.
3. 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.
4. The Certificate Holder shall provide the Council a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels originally calculated and provided in the application.
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. If the facility does not initially provide, or permanently ceases to provide cellular services following completion of construction, 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.
7. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and ceases to function.
8. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

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

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

The parties and intervenors to this proceeding are:

APPLICANT ITS REPRESENTATIVE

Bell Atlantic Mobile

Kenneth C. Baldwin, Esq.

Brian C. S. Freeman, Esq.

Robinson & Cole

One Commercial Plaza

Hartford, CT 06103-3597

Mr. David S. Malko, P.E.

Jennifer Young Gaudet

Bell Atlantic Mobile

20 Alexander Drive

Wallingford, CT 06492

INTERVENORS ITS REPRESENTATIVE

Springwich Cellular Limited Partnership

Peter J. Tyrrell, Esq.

General Counsel

500 Enterprise Drive

Rocky Hill, CT 06067-3900

Nextel Communications of the Mid-Atlantic, Inc. d/b/a Nextel Communications

Christopher B. Fisher, Esq.

Cuddy, Feder & Worby, Esq.

90 Maple Avenue

White Plains, NY 10601

Sprint Spectrum, L.P. d/b/a Sprint PCS

Elias A. Alexiades

Julie M. Cashin

Hurwitz and Sagarin, P.C.

147 North Broad Street

Milford, CT 06460

I:\siting\doctors\181\d&o.doc

Content Last Modified on 10/9/2002 1:06:39 PM

Exhibit B

Property Card

Property Details

Number of records found: 1

One record is displayed for each address found at the selected property. Multiple addresses may occur in the case of condominiums.

WIG HILL RD		External Property Card
ID: 8-127-1 Book: 166 Page: 79		Property Card Search
Property ID: 8-127-1	Map: 8	
Map: 008	Block:	
Lot: 127-1	Location Address:	
Location Street: WIG HILL RD	Location: WIG HILL RD	
Unit:	Legal Reference: 166/79	
Book: 166	Page: 79	
Land Area: 6.77	Owner: NEGRELLI HAZEL C TRUSTEE	
Co-Owner:	Mailing Address Line 1: PO BOX 1175	
Mailing Address Line 2:	Mailing Address Line 3:	
Mailing Address Line 4:	Mailing Address City: TRURO	
Mailing Address State: MA	Mailing Address Zip: 02666	
Mailing Address Country:	Parcel Parcel ID:	
Location Address:	Sale Date: 6/8/2016	
Sale Price: 0	Property Class:	
Zoning (Verify on GIS Map): C	Neighborhood: C02	
Land Use Code:	Land Use Description:	
State Code:	State Code Description:	
Building Style:	Year Built: 0	
Appraised Value:	Total Value: 823620	
Building Value: 218540	Land Value: 605080	
Other Value:	Land Area (SQ FT):	
Land Area (AC): 6.77	Stories: 0	
Rooms: 0	Bedrooms: 0	
Kitchens:	Living Area: 0	
Building Area Grosss:	Building Area Effective:	
Exterior:	Fireplace: 0	
Baths: 0	Half Baths: 0	
Heat Type:	Heat Fuel:	
Air Conditioning:	Basement Type:	
Basement Area: 0	Basement Finished Area:	
Attic:	Roof Type:	
Roof Material: 0	MSWATER:	
Sewer: None	Utility:	
Physical Depreciation:	Functional Depreciation:	
Economic Depreciation:	Easement:	
Assessor's ID:	MSASSDATE:	
Permit ID:	Account:	
Grantor:	MSGRANTEE:	
State ID:	MSDESCRIPT:	
MSNOTE:		

Exhibit B

Property Card

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2018.



Information on the Property Records for the Municipality of Chester was last updated on 8/1/2020.

Property Summary Information

Parcel Data And Values

Outbuildings

Sales

Parcel Information

Location:	WIG HILL RD	Property Use:	Vacant Land	Primary Use:	Commercial Vacant Land
Unique ID:	99000300	Map Lot:	8/127-1	Acres:	6.77
490 Acres:		Zone:	C	Volume / Page:	166/ 79
Developers Map / Lot:		Census:			

Value Information

	Appraised Value	Assessed Value
Land	864,394	605,080
Buildings	0	0

	Appraised Value	Assessed Value
Detached Outbuildings	312,200	218,540
Total	1,176,594	823,620

Owner's Information

Owner's Data
NEGRELLI HAZEL C TRUSTEE PO BOX 1175 TRURO, MA 02666

[Back To Search \(JavaScript:window.history.back\(1\);\)](#)

[Print View \(PrintPage.aspx?towncode=026&uniqueid=99000300\)](#)

Information Published With Permission From The Assessor



Exhibit C

Construction Drawings



VERIZON SITE NUMBER: 468393
VERIZON SITE NAME: CHESTER CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 150'-0"

BUSINESS UNIT #: 800515
SITE ADDRESS: 49 WIG HILL ROAD
CHESTER, CT 06412
COUNTY: MIDDLESEX
JURISDICTION: CONNECTICUT
SITING COUNCIL

VERIZON 5G L-SUB6 - CARRIER ADD 16272046

verizon

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CC

CROWN
CASTLE

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

B+T GRP

1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

VERIZON SITE NUMBER:
468393

BU #: 800515
CT CHESTER CAC 800515

49 WIG HILL ROAD
CHESTER, CT 06412

EXISTING 150'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/24/21	JJR	CONSTRUCTION	JJR

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:	REVISION:
T-1	0

SITE INFORMATION

CROWN CASTLE USA INC.
SITE NAME: CT CHESTER CAC 800515
SITE ADDRESS: 49 WIG HILL ROAD
CHESTER, CT 06412

COUNTY: MIDDLESEX
MAP/PARCEL #: 8-127-1
AREA OF CONSTRUCTION: EXISTING
LATITUDE: 41.403869°
LONGITUDE: -72.472450°
LAT/LONG TYPE: NAD83
GROUND ELEVATION: 356'-0"
CURRENT ZONING: C - COMMERCIAL
JURISDICTION: CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION: U
TYPE OF CONSTRUCTION: IIB
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR
HUMAN HABITATION

PROPERTY OWNER: NEGRELLI HAZEL C TRUSTEE
PO BOX 1175
TRURO, MA 02666

TOWER OWNER: CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317

CARRIER/APPLICANT: VERIZON WIRELESS
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

ELECTRIC PROVIDER: BRIDGE SWITCH

TELCO PROVIDER: NOT PROVIDED

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

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.

APPROVALS

SIGNATURE	DATE
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR	----
PROJECT NUMBER	----
VzW LOCATION CODE (PSLC)	468393
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT	

MOUNT MODIFICATION REQUIRED

N

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (1086 N COLONY RD, WALLINGFORD, CT 06492, UNITED STATES)
GET ON CT-15 N FROM US-5 S, HEAD SOUTH TOWARD NEAL RD, TURN LEFT TOWARD NEAL RD, TURN LEFT ONTO NEAL RD, TURN LEFT AT THE 1ST CROSS STREET ONTO US-5 S, TURN LEFT TO MERGE WITH CT-15 N TOWARD HARTFORD, CONTINUE ON CT-15 N TO MERIDEN. TAKE EXIT 18 FROM I-91 N, MERGE WITH CT-15 N, TAKE EXIT 68 N-E TO MERGE WITH I-91 N TOWARD CT-66 E/HARTFORD/MIDDLETOWN, TAKE EXIT 18 TO MERGE WITH CT-66 E TOWARD MIDDLEFIELD/MIDDLETOWN, CONTINUE TO MIDDLETOWN, MERGE WITH CT-66 E, CONTINUE STRAIGHT ONTO WASHINGTON ST, CONTINUE STRAIGHT TO STAY ON WASHINGTON ST, FOLLOW CT-9 S TO W MAIN ST IN CHESTER. TAKE EXIT 6 FROM CT-9 S, MERGE WITH CT-9 S, TAKE EXIT 6 TOWARD W MAIN ST, DRIVE TO YOUR DESTINATION, TURN LEFT ONTO W MAIN ST, TURN LEFT ONTO THE CT-9 N RAMP TO MIDDLETOWN.

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: TEP
DATED: 05/07/21

MOUNT ANALYSIS: MASER CONSULTING CONNECTICUT
DATED: 4/21/21

RFDS REVISION: 0
DATED: 3/3/21

ORDER ID: 552629
REVISION: 0



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



PROJECT DESCRIPTION

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

TOWER SCOPE OF WORK:
• REMOVE (6) COAX CABLES
• INSTALL (3) ANTENNAS

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:

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

GREENFIELD GROUNDING NOTES:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

ELECTRICAL INSTALLATION NOTES:

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

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

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



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CLIFTON PARK, NY 12065



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SUITE 300
TULSA, OK 74119
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www.btgrp.com

VERIZON SITE NUMBER:
468393

BU #: 800515
CT CHESTER CAC 800515

49 WIG HILL ROAD
CHESTER, CT 06412

EXISTING 150'-0" MONOPOLE

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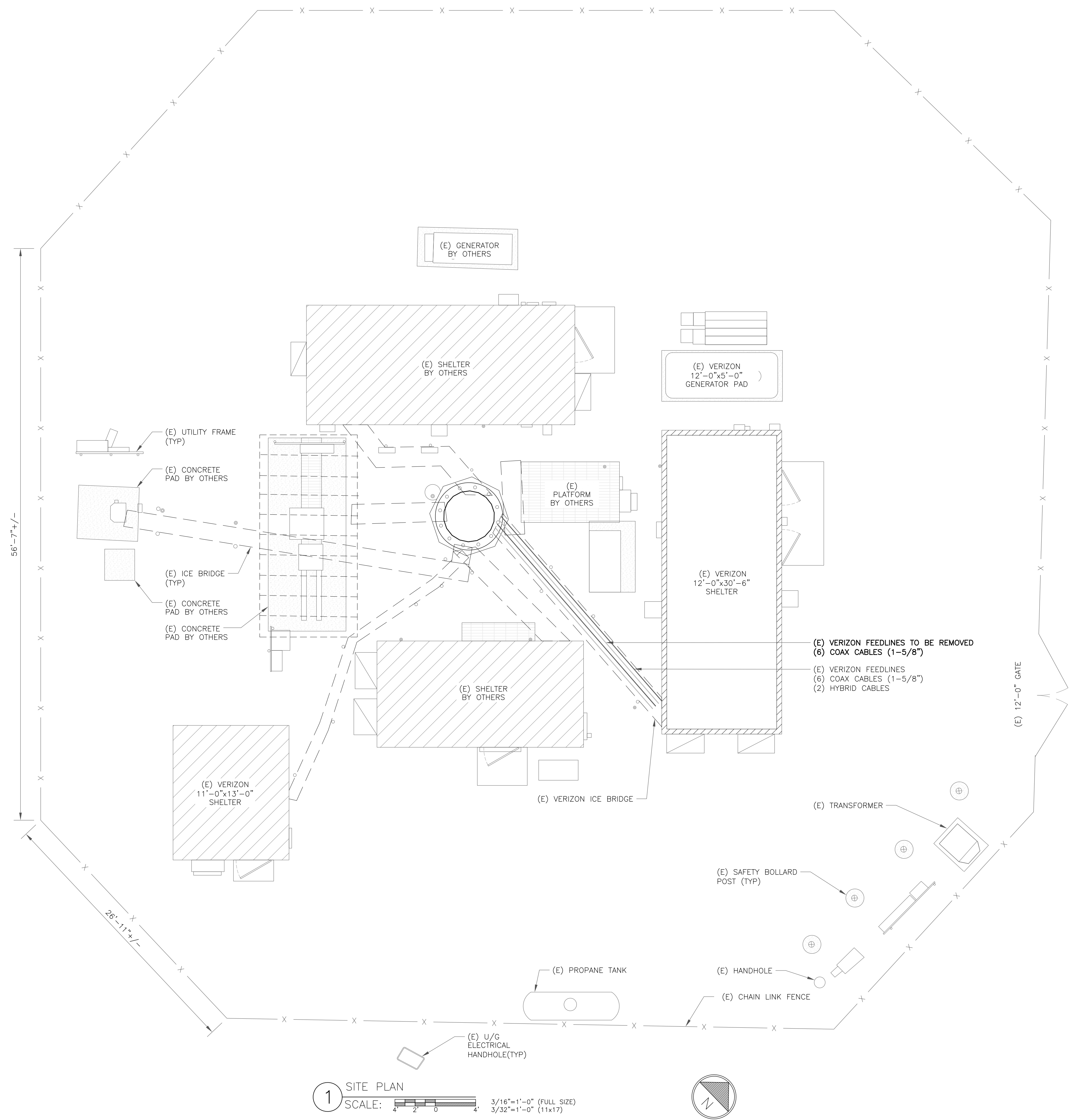
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T-2

REVISION:

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1:36092.005.01_CT_CHESTER CAC 800515.dwg -- Sheet: C-1 -- User: jrichardson -- Aug. 24, 2021 -- 4:34pm



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

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49 WIG HILL ROAD
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EXISTING 150'-0" MONOPOLE

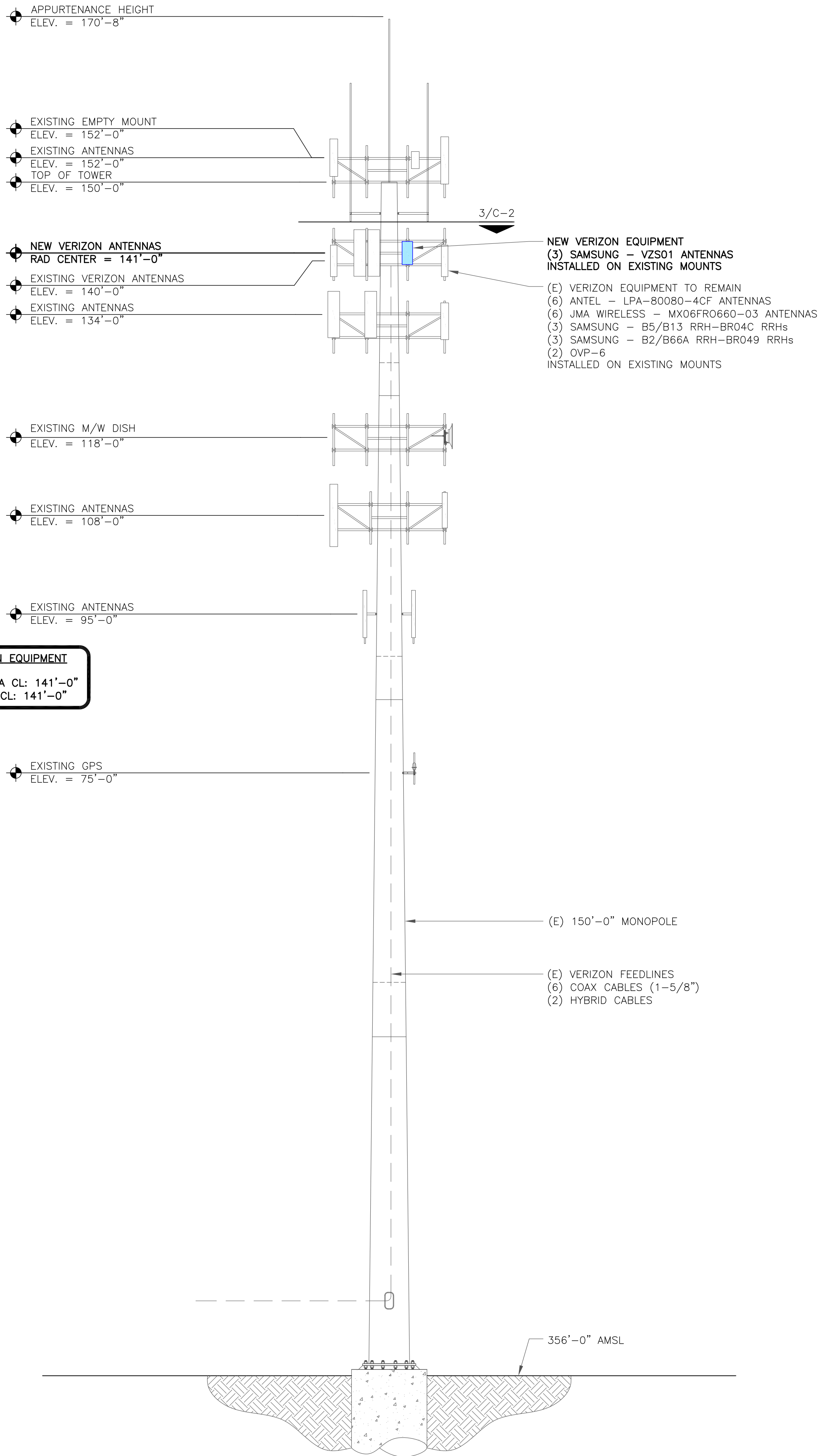
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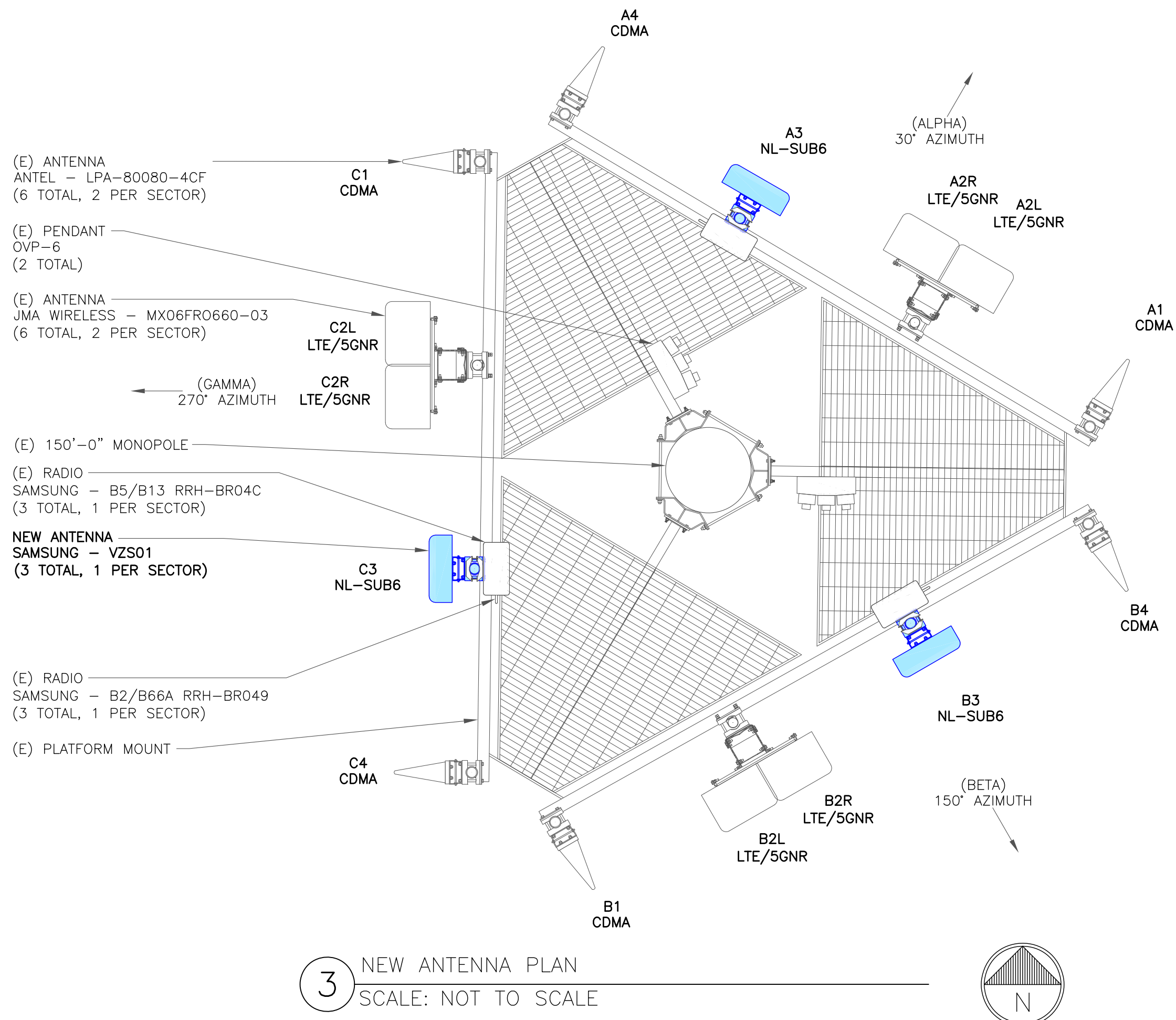
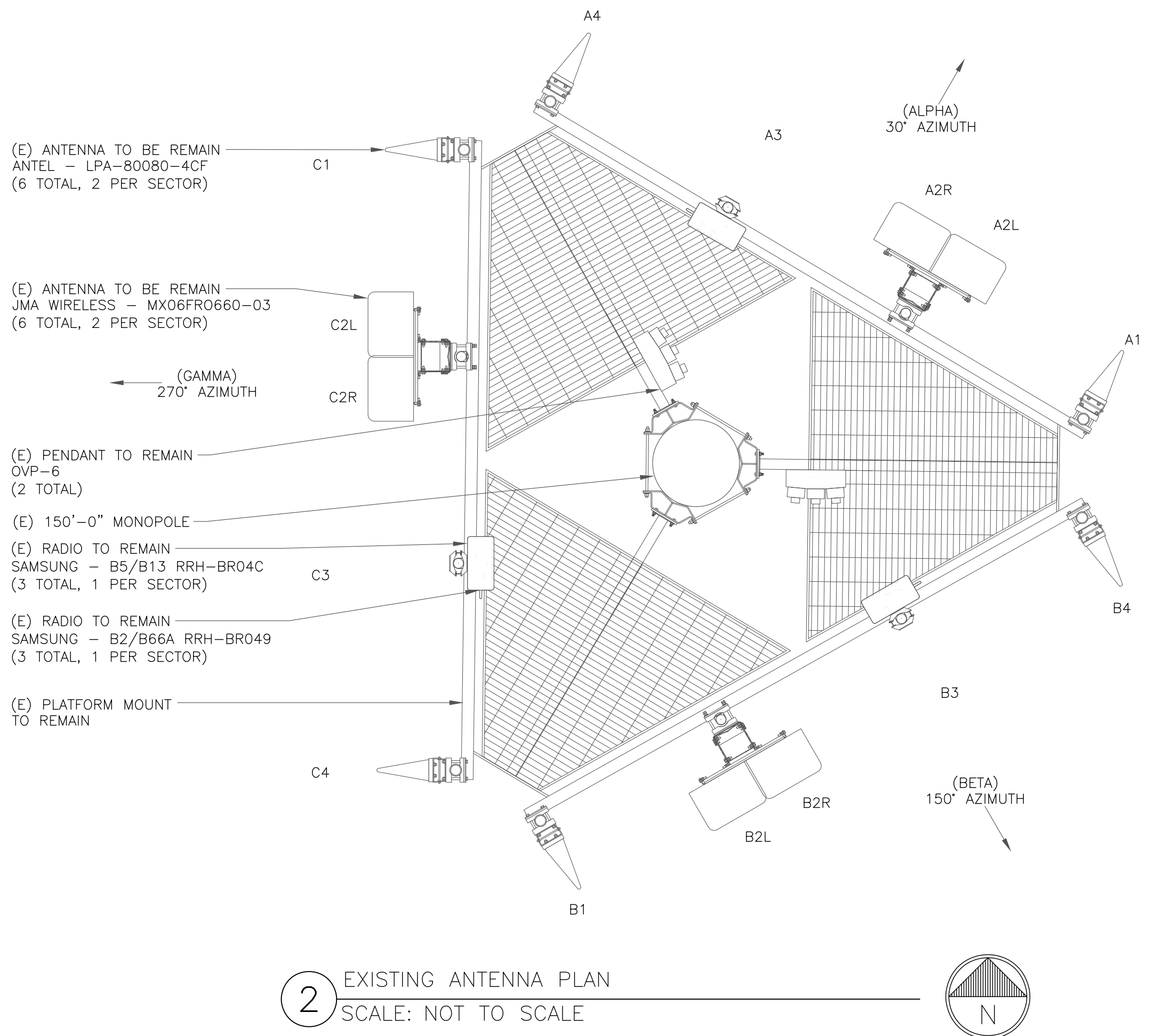
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1 TOWER ELEVATION
SCALE: NOT TO SCALE



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VERIZON SITE NUMBER:
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EXISTING 150'-0" MONOPOLE

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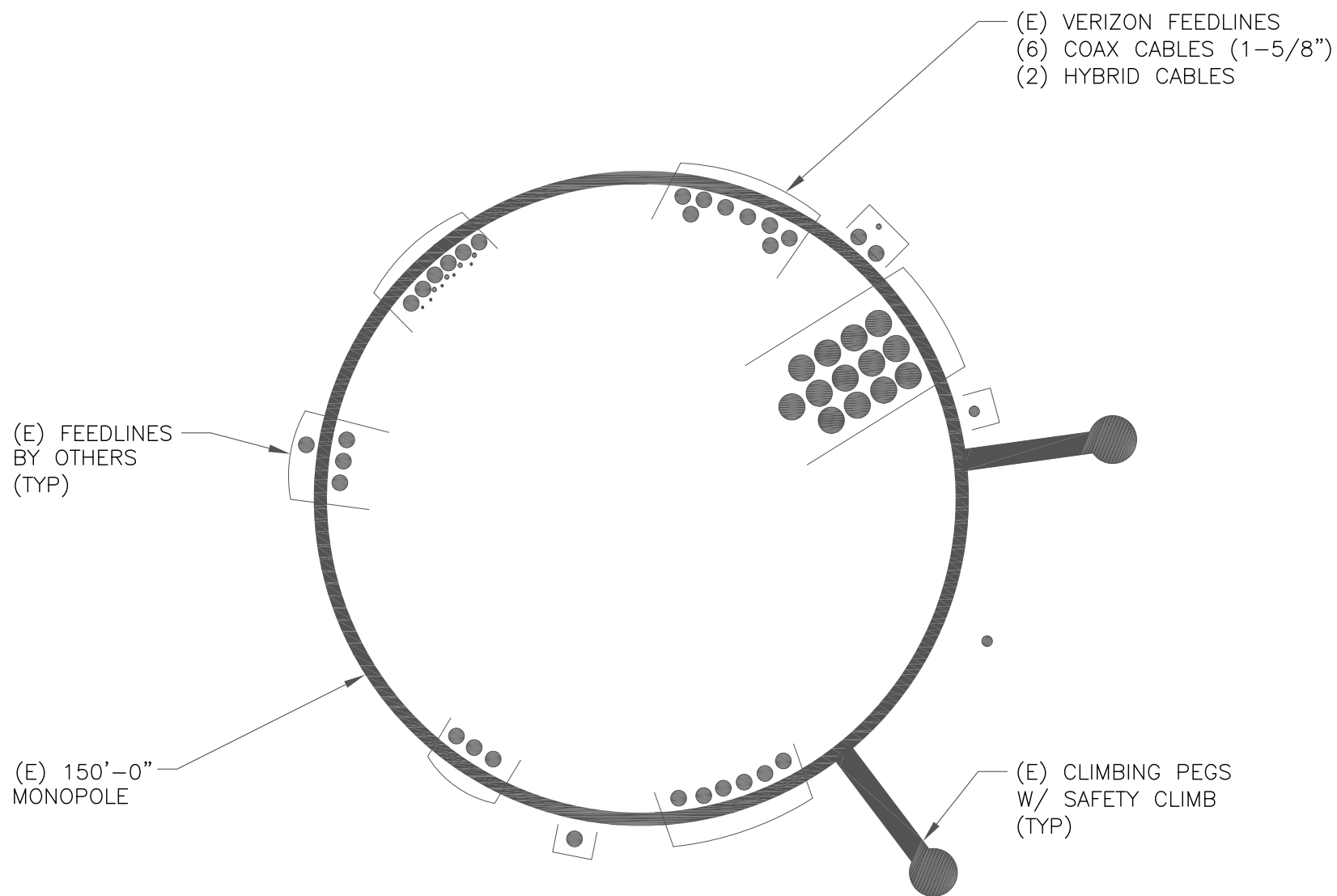
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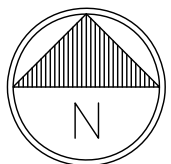
ANTENNA/RRH SCHEDULE									
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANTEL	LPA-80080-4CF	140'-0"	30°	0°	0°	-	-
A2L	EXISTING	JMA WIRELESS	MX06FRO660-03	141'-0"	30°	0°	2' / 2' / 2' / 2'	SAMSUNG	(1) B5/B13 RRH-BR04C
A2R	EXISTING	JMA WIRELESS	MX06FRO660-03	141'-0"	30°	0°	2' / 2' / 2' / 2'	SAMSUNG	(1) B2/B66A RRH-BR049
A3	NEW	SAMSUNG	VZS01	141'-0"	30°	0°	6°	-	(1) OVP-6
A4	EXISTING	ANTEL	LPA-80080-4CF	140'-0"	30°	0°	0°	-	-
B1	EXISTING	ANTEL	LPA-80080-4CF	140'-0"	150°	0°	0°	-	-
B2L	EXISTING	JMA WIRELESS	MX06FRO660-03	141'-0"	150°	0°	2' / 2' / 2' / 2'	SAMSUNG	(1) B5/B13 RRH-BR04C
B2R	EXISTING	JMA WIRELESS	MX06FRO660-03	141'-0"	150°	0°	2' / 2' / 2' / 2'	SAMSUNG	(1) B2/B66A RRH-BR049
B3	NEW	SAMSUNG	VZS01	141'-0"	150°	0°	6°	-	(1) OVP-6
B4	EXISTING	ANTEL	LPA-80080-4CF	140'-0"	150°	0°	0°	-	-
C1	EXISTING	ANTEL	LPA-80080-4CF	140'-0"	270°	0°	0°	-	-
C2L	EXISTING	JMA WIRELESS	MX06FRO660-03	141'-0"	270°	0°	2' / 2' / 2' / 2'	SAMSUNG	(1) B5/B13 RRH-BR04C
C2R	EXISTING	JMA WIRELESS	MX06FRO660-03	141'-0"	270°	0°	2' / 2' / 2' / 2'	SAMSUNG	(1) B2/B66A RRH-BR049
C3	NEW	SAMSUNG	VZS01	141'-0"	270°	0°	6°	-	-
C4	EXISTING	ANTEL	LPA-80080-4CF	140'-0"	270°	0°	0°	-	-

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE				
STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	191'-0"±	6
EXISTING	HYBRID	6X12	191'-0"±	2
TOTAL CABLE QTY:				8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE





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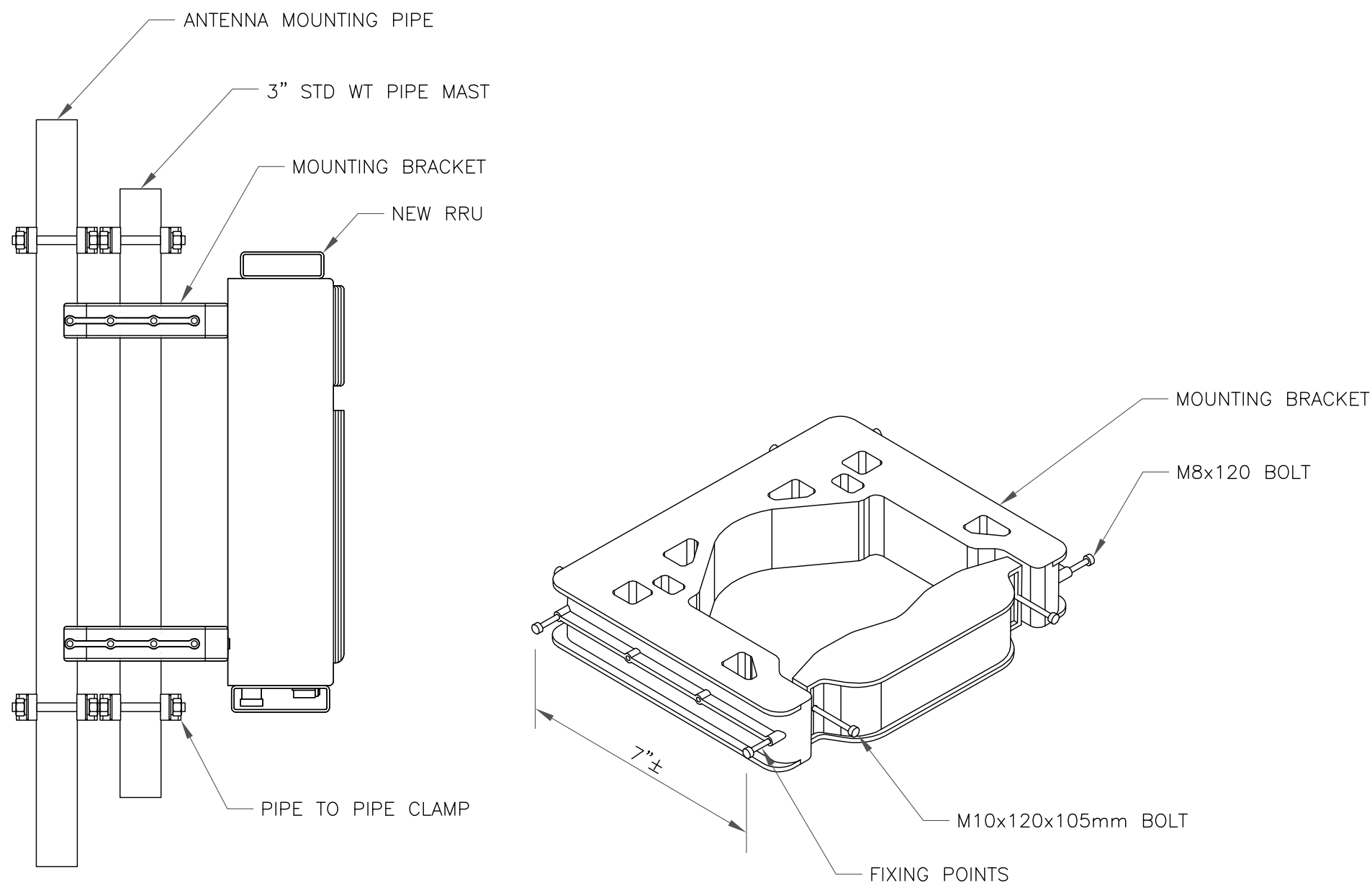
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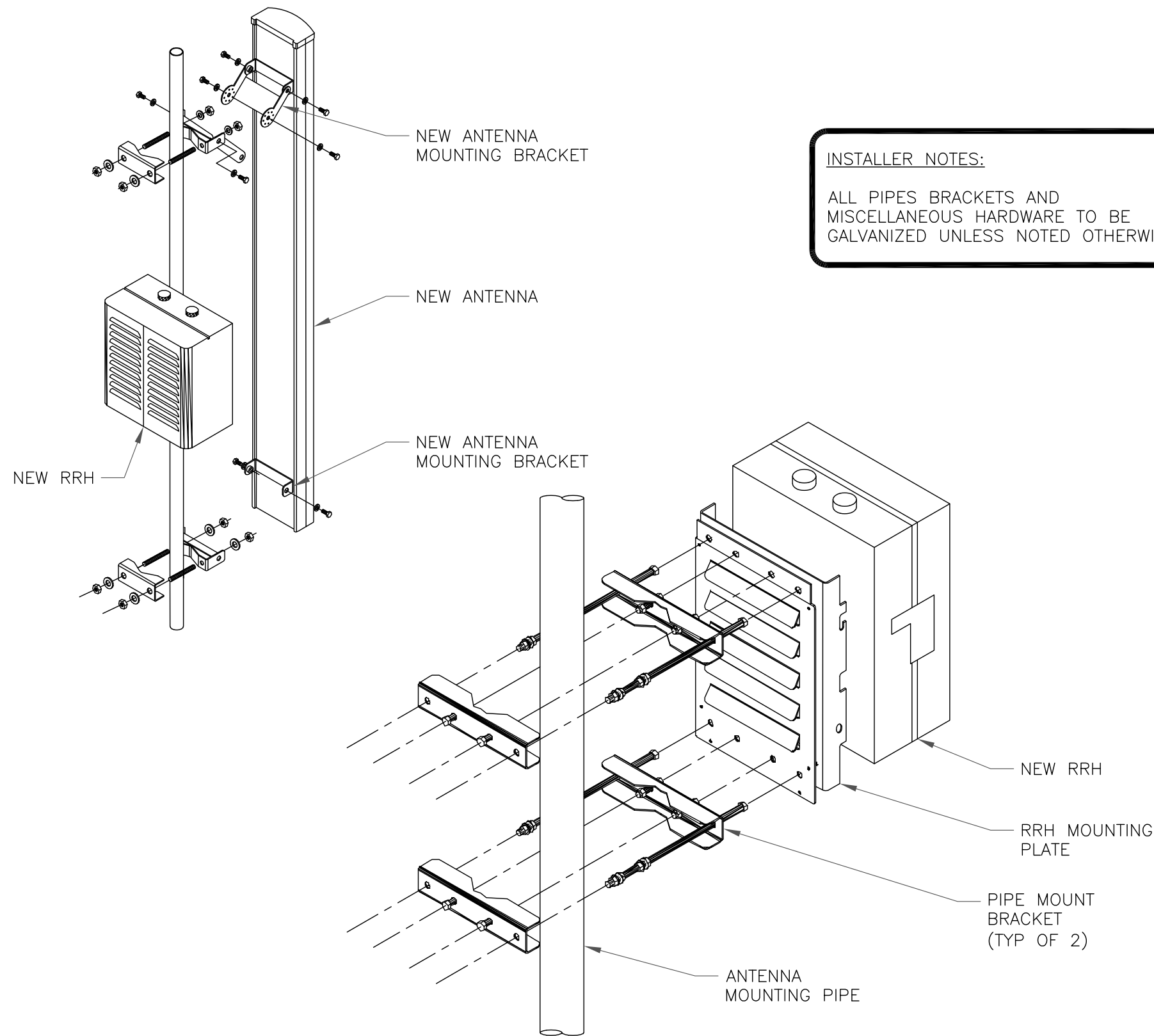
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C-3

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3 NOKIA – FPKA BRACKET MOUNTING DETAIL
SCALE: NOT TO SCALE



4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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EXISTING 150'-0" MONOPOLE

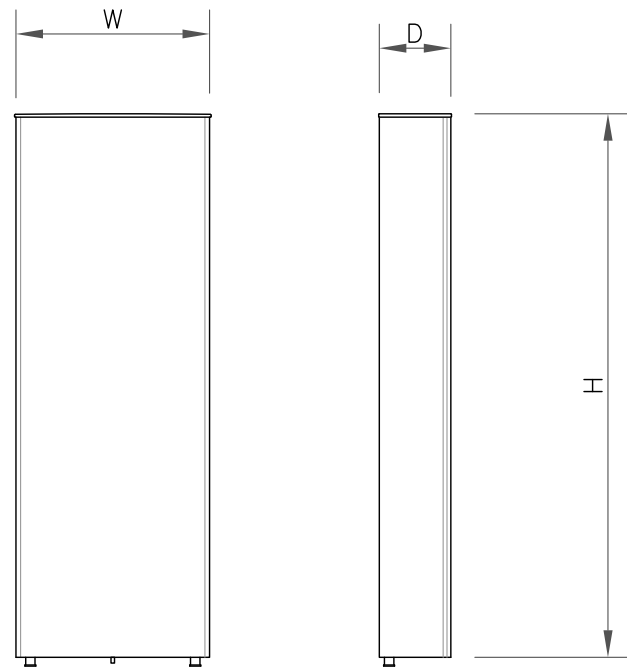
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ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	VZS01
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.12"
WEIGHT	87.10 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE



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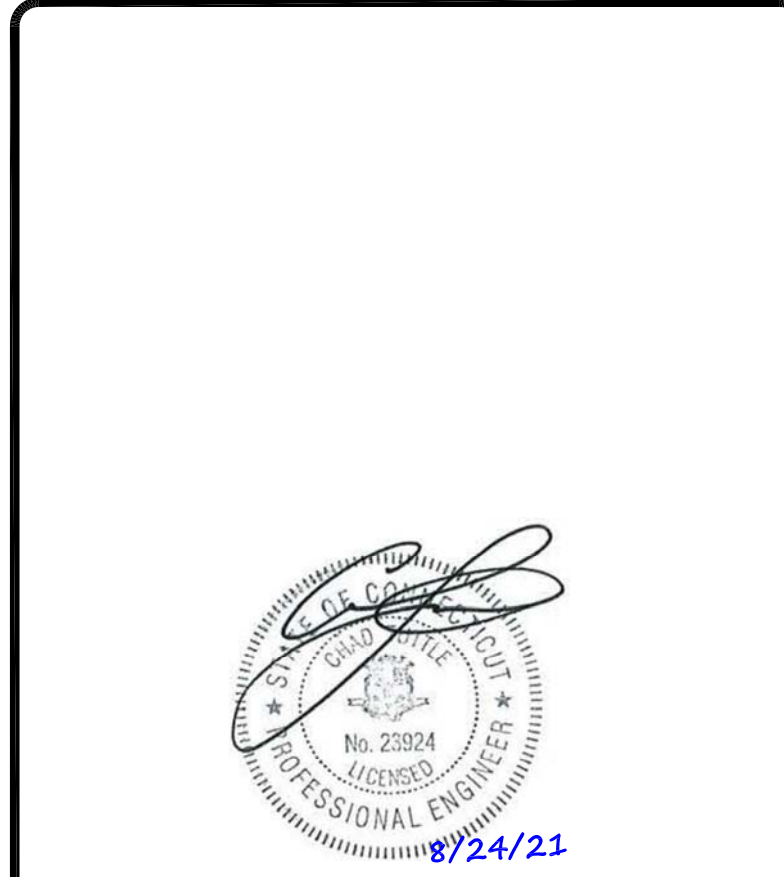
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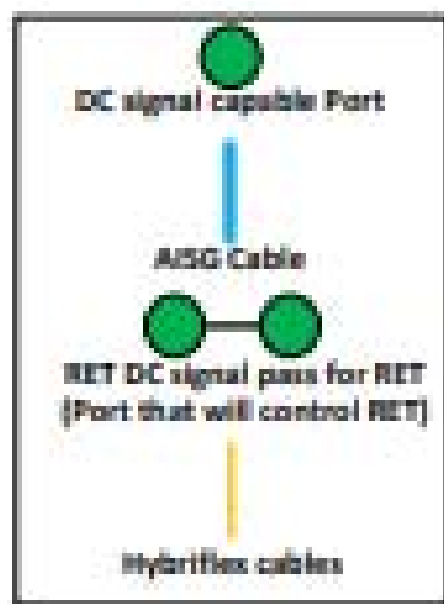
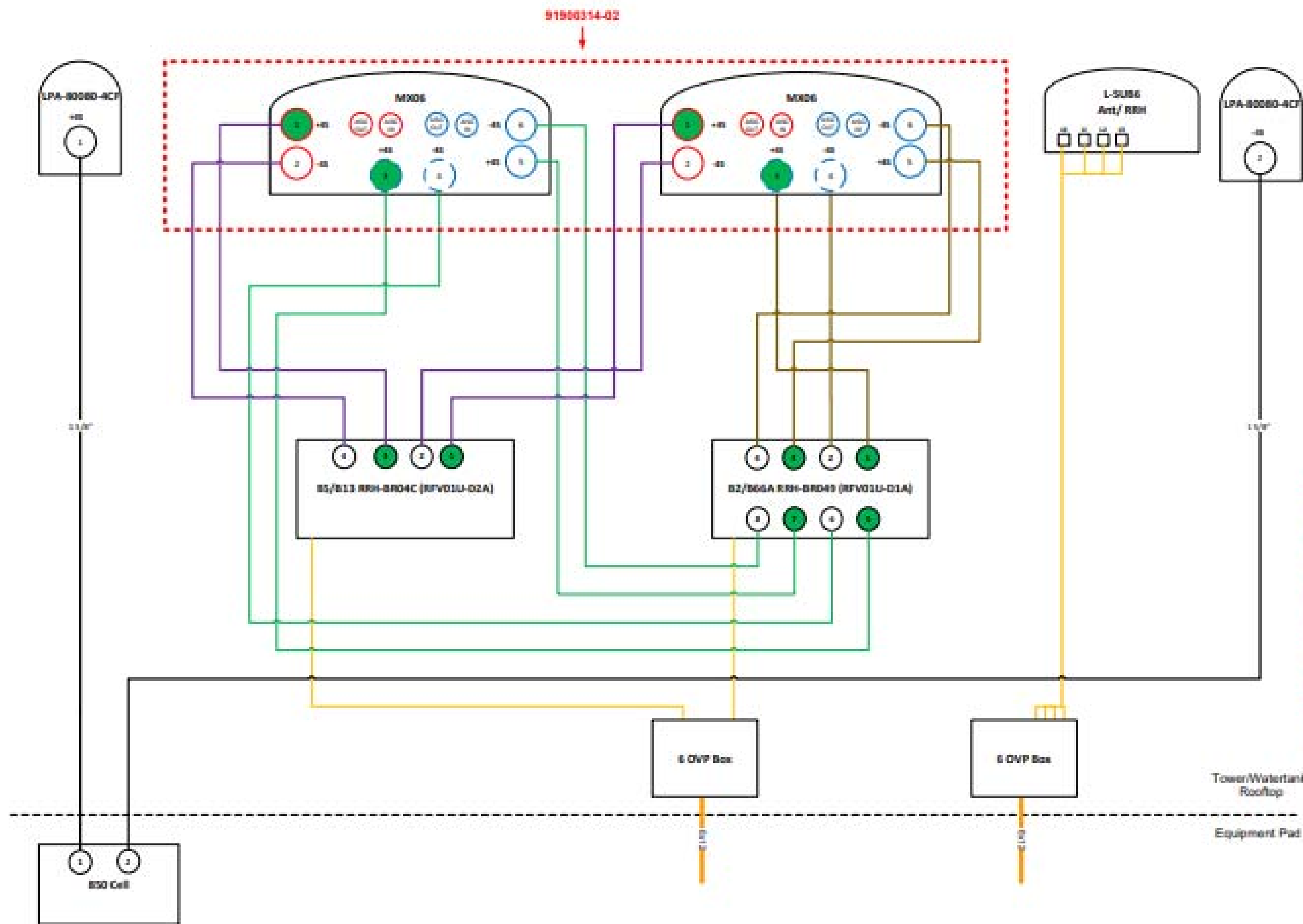
4 NOT USED
SCALE: NOT TO SCALE

5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE



- Port 1 & 2 are for low band (698-896 MHz).
- Port 3,4,5, & 6 are for high band (1695-2360 MHz).
- Smart Bias Tee (SBT) is through port 1 & 3 for low band and port 1 for high band.
- AISG cable is only needed when drawn in the diagrams below, if it is not drawn then SBT is enough to control all RET motors.
- Not all SBT ports are needed to control RET, only green port connection to green port will control RET.



Comments:

Diagram shows antenna port configuration as viewed from below antennas.

Antenna positions are indicated as viewed from IN FRONT of antennas.

Cap and weatherproof unused antenna ports.

All plumbing diagram colors are irrelevant except for AISG & Hybriflex cable. (For the coax colors follow Coax Colors guide above)

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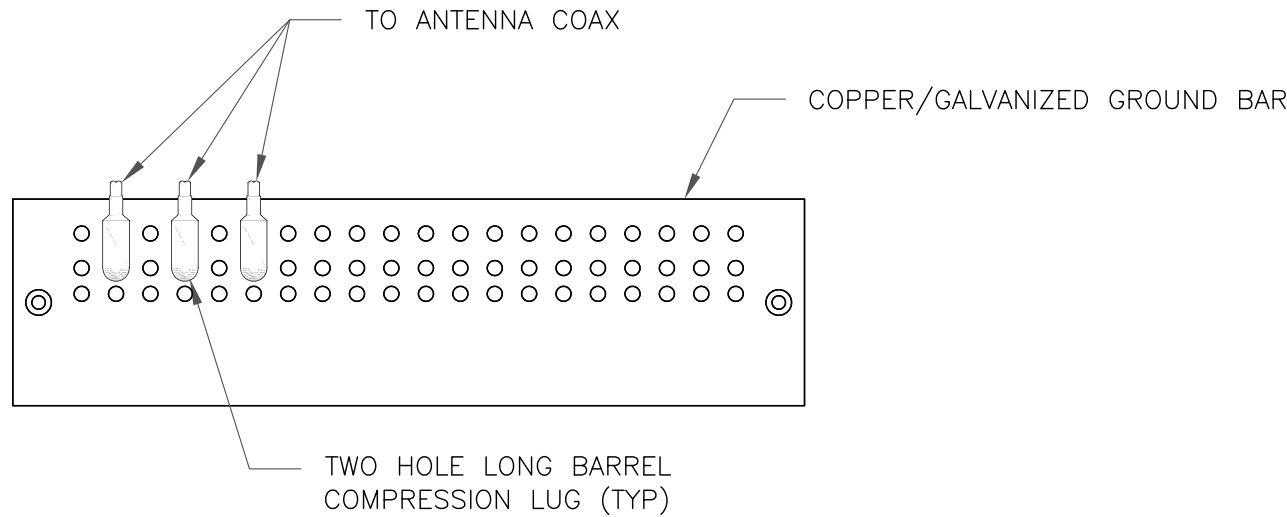
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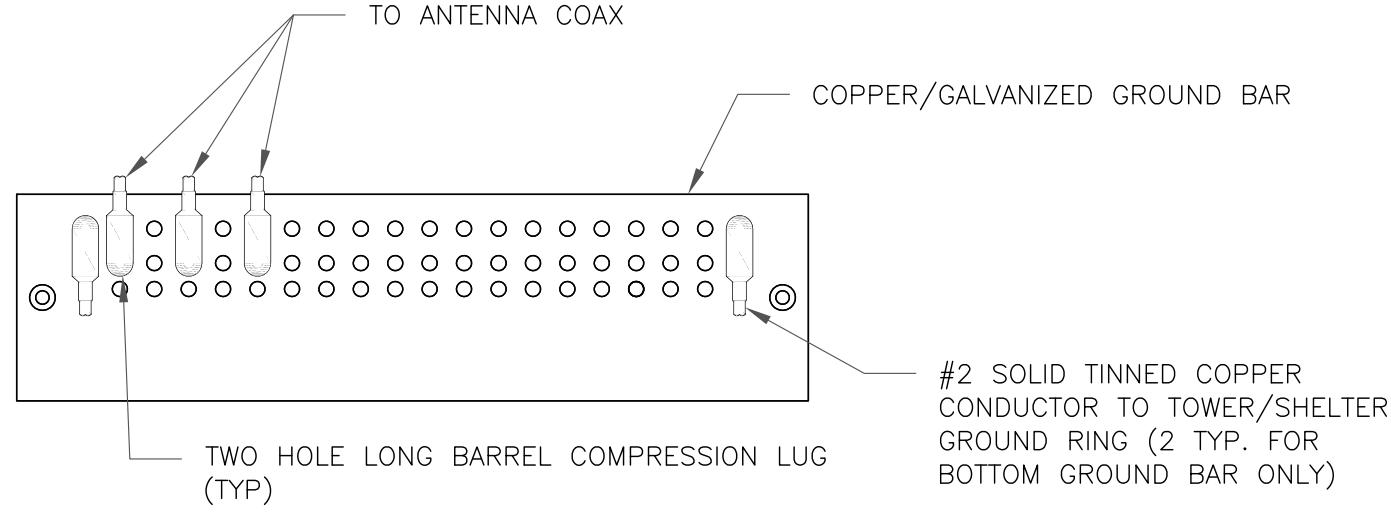
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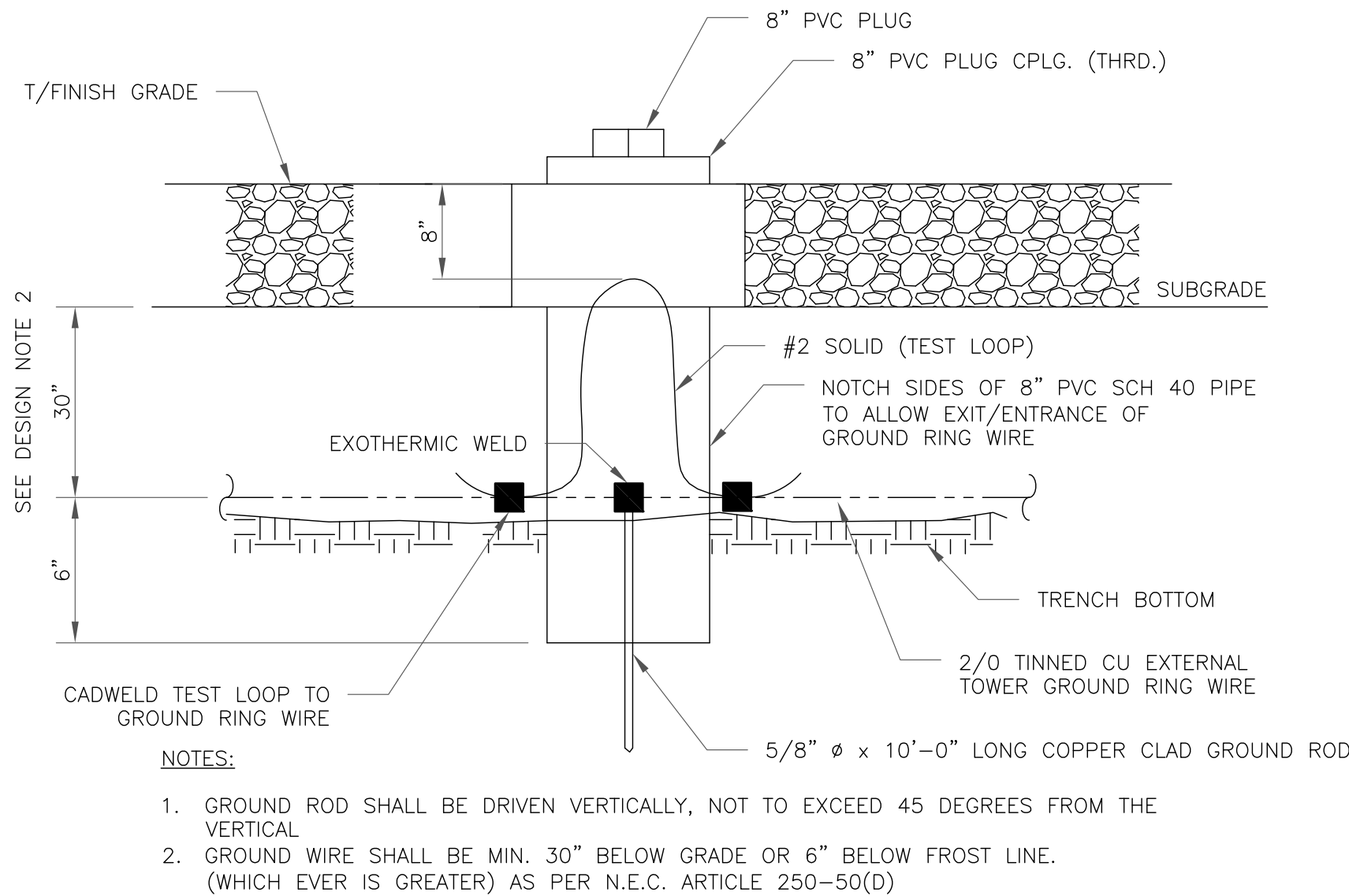
1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE



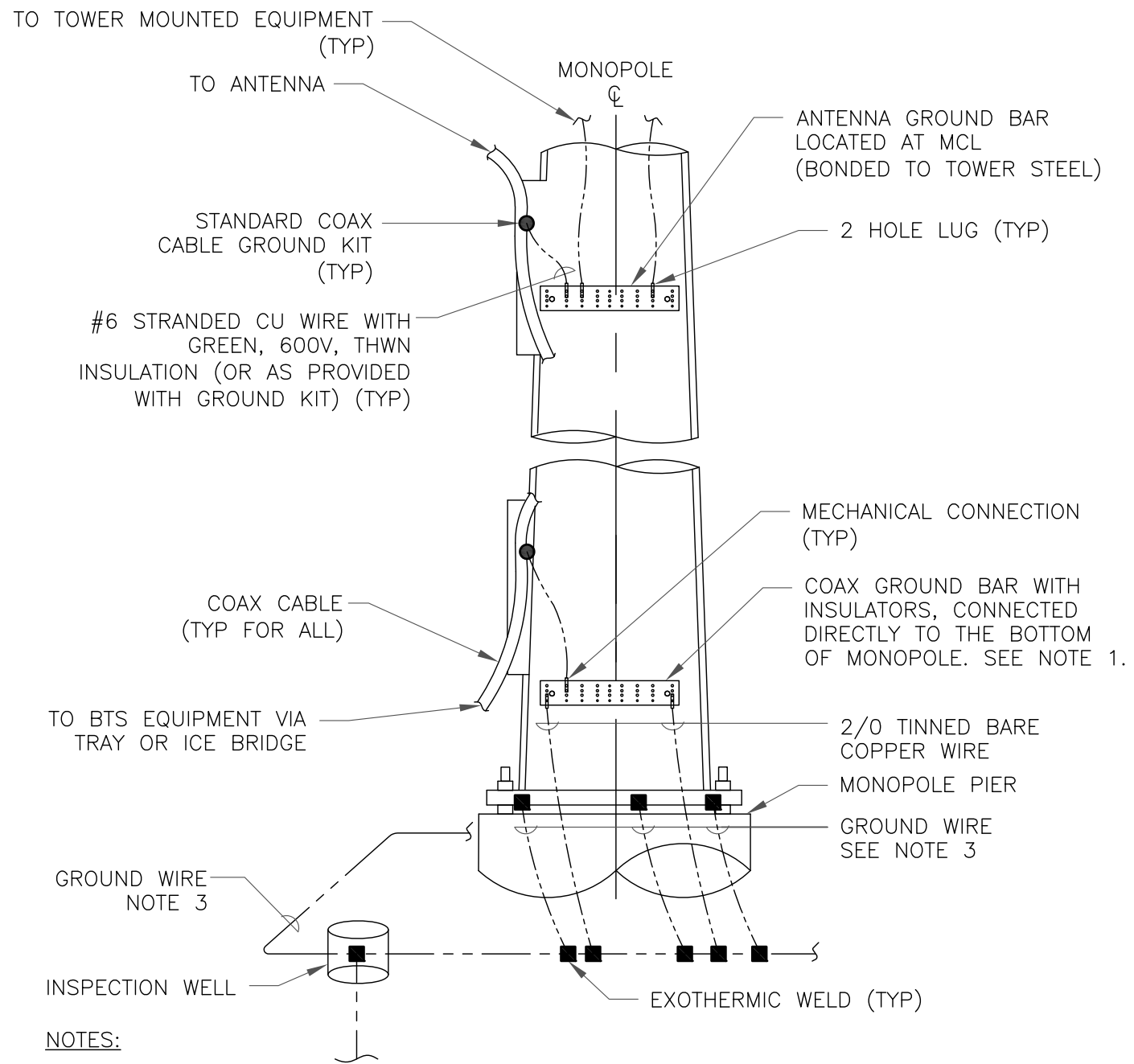
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



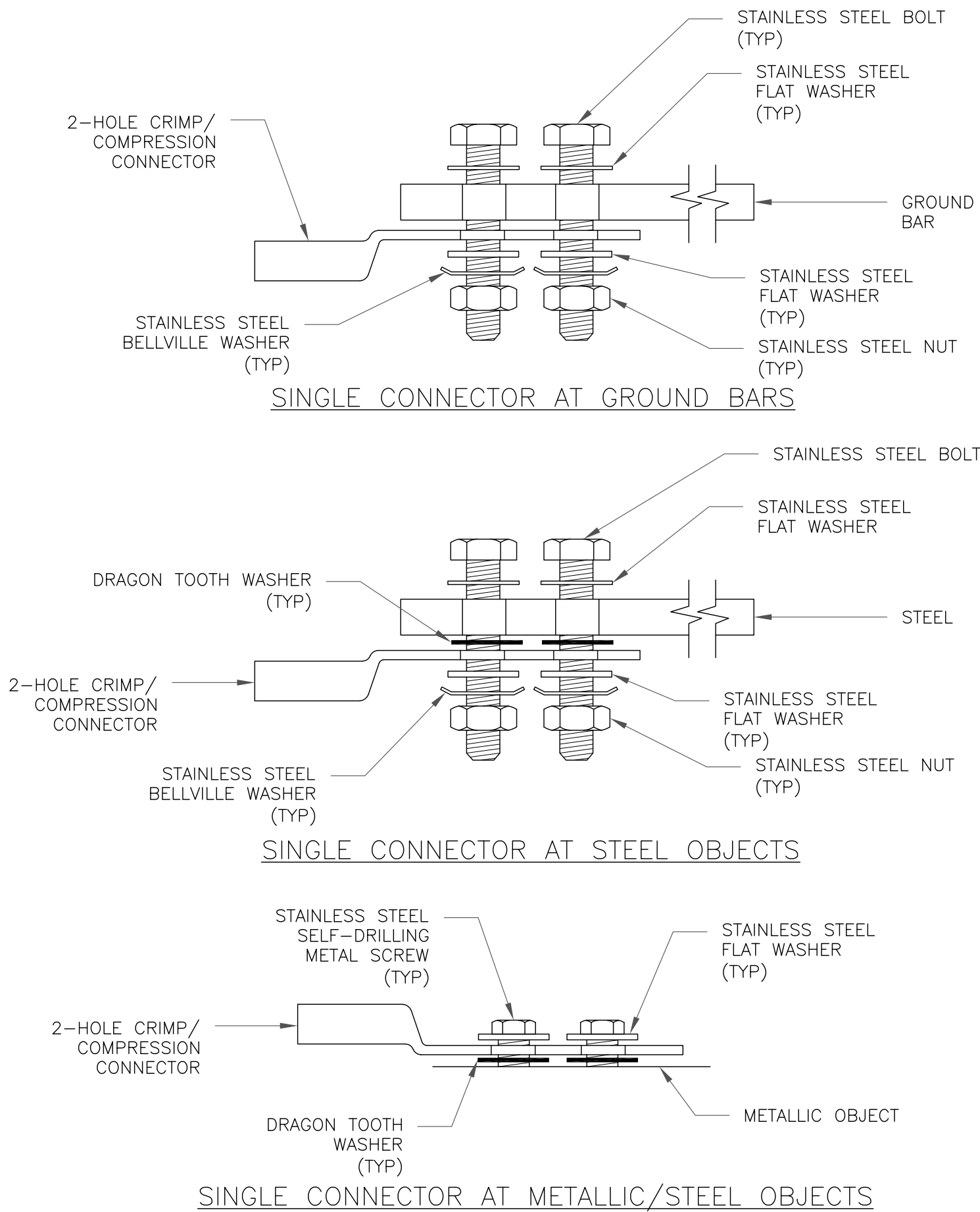
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



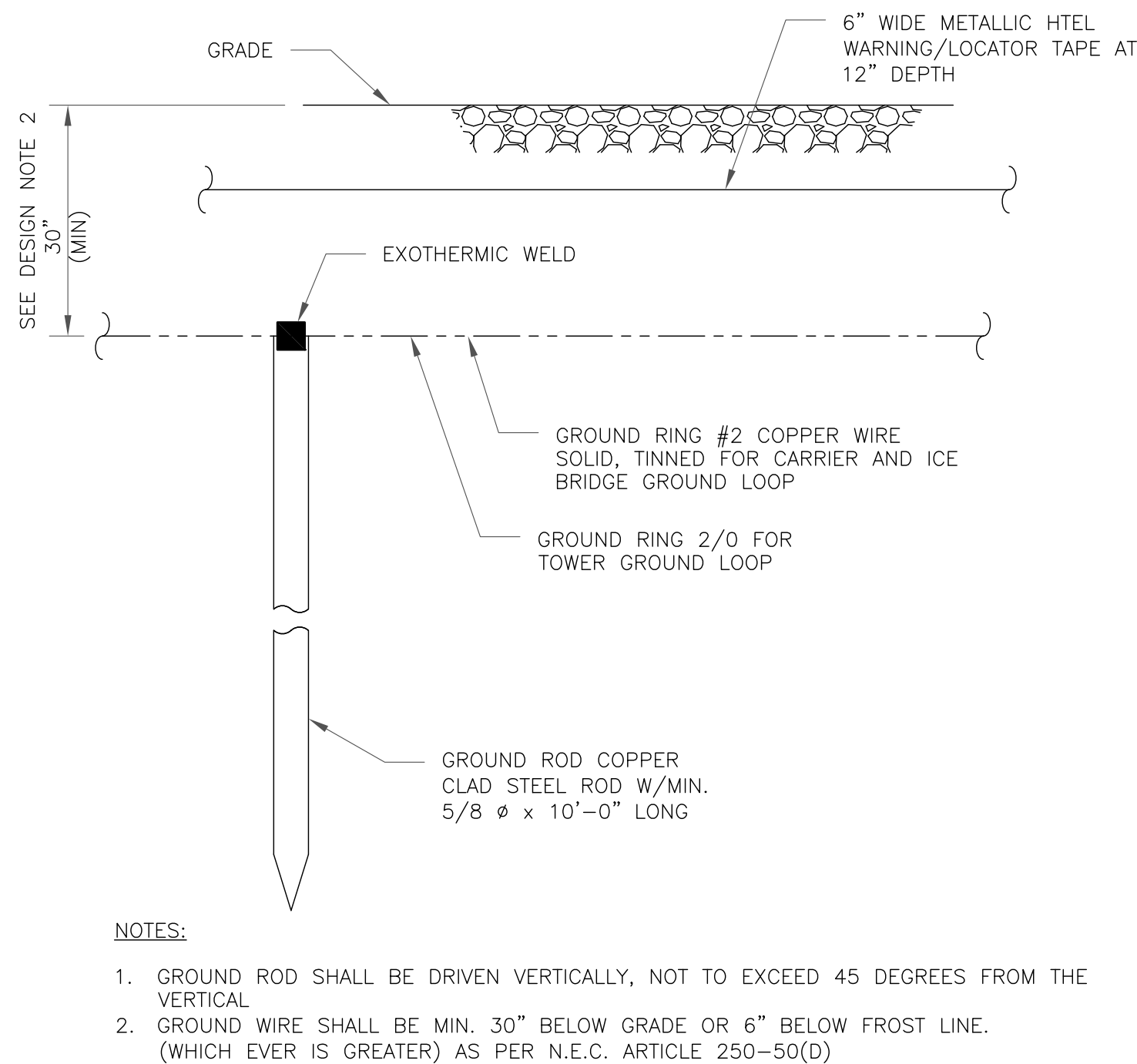
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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EXISTING 150'-0" MONOPOLE

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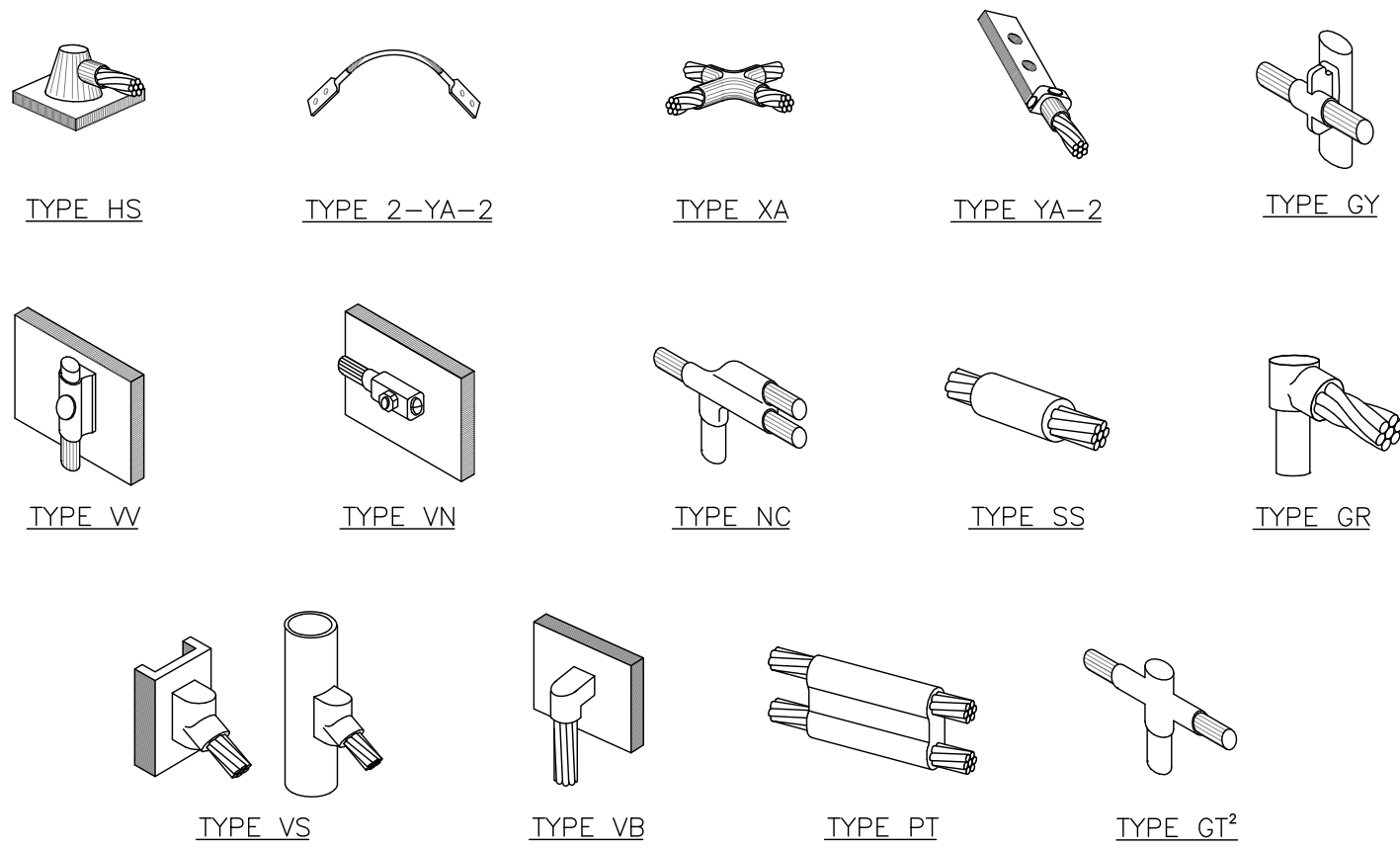
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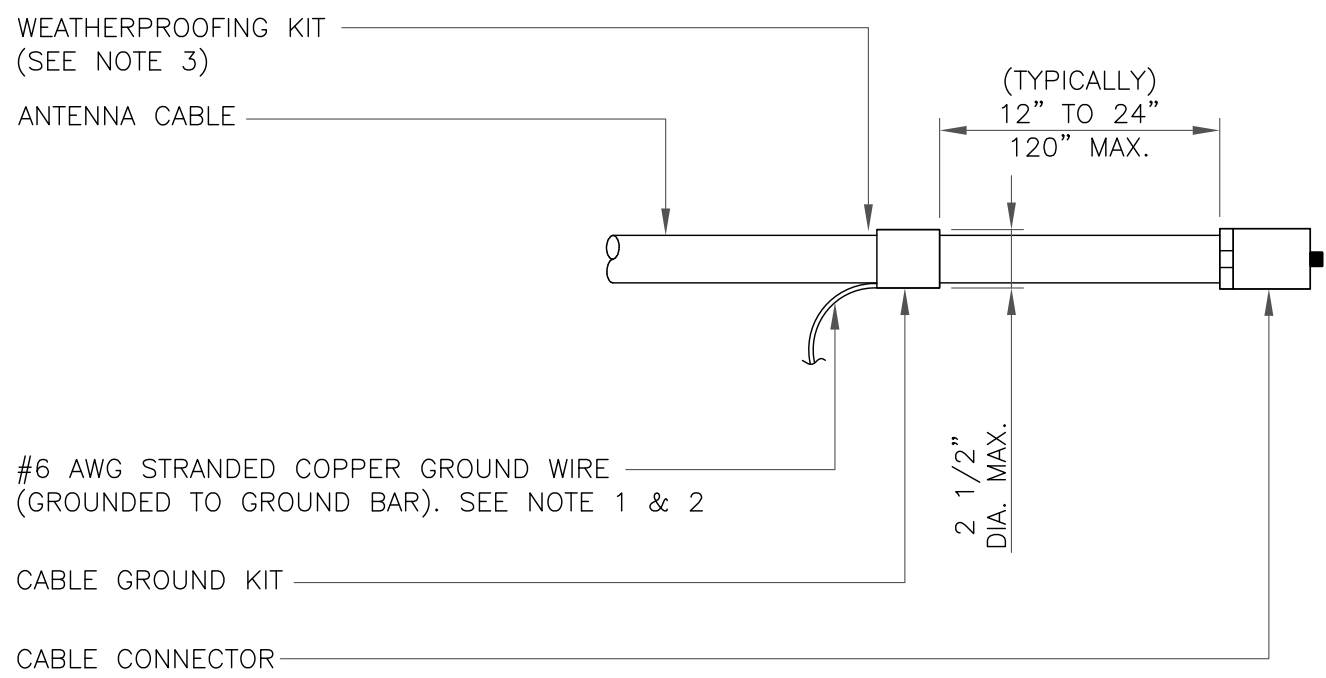
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NOTE:

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.

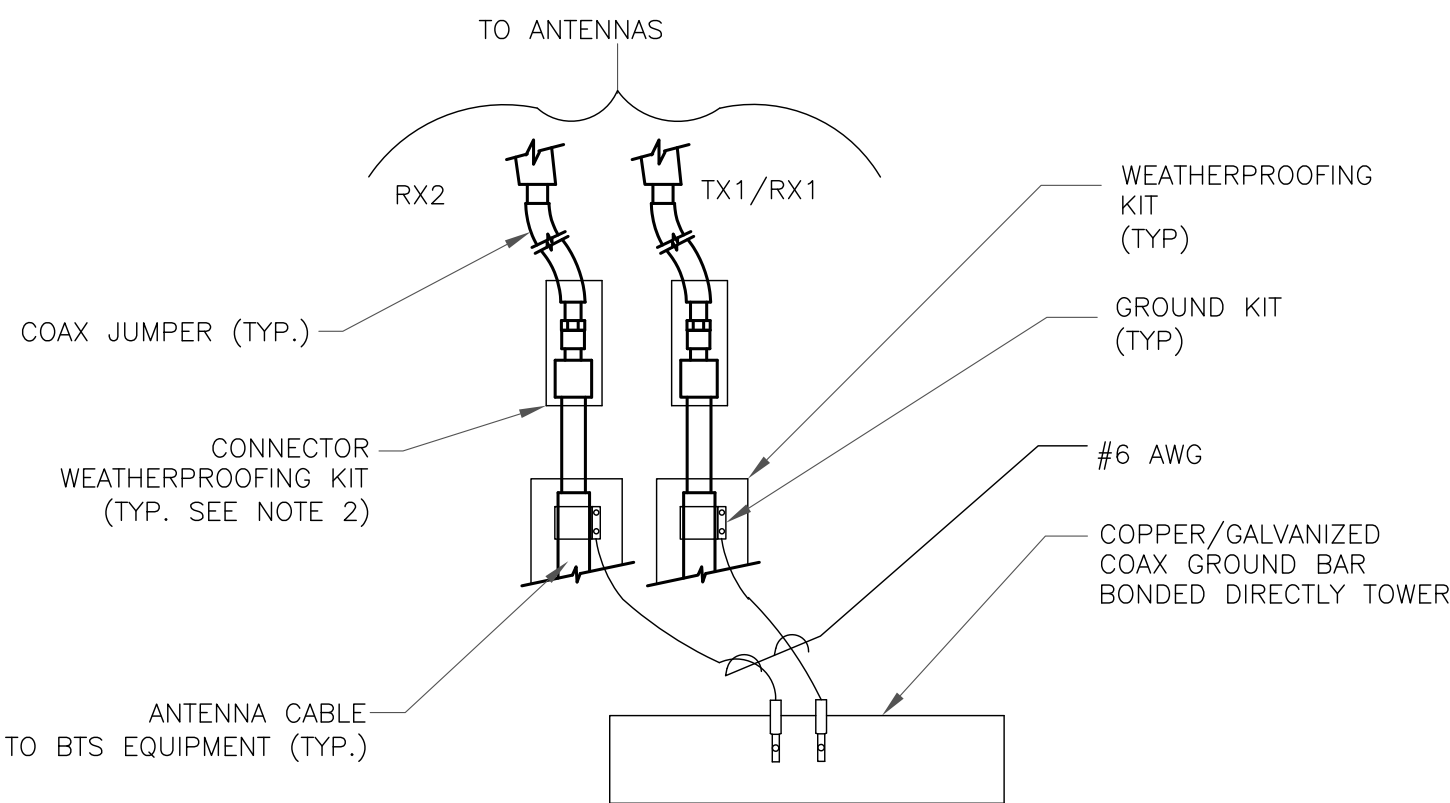
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



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.

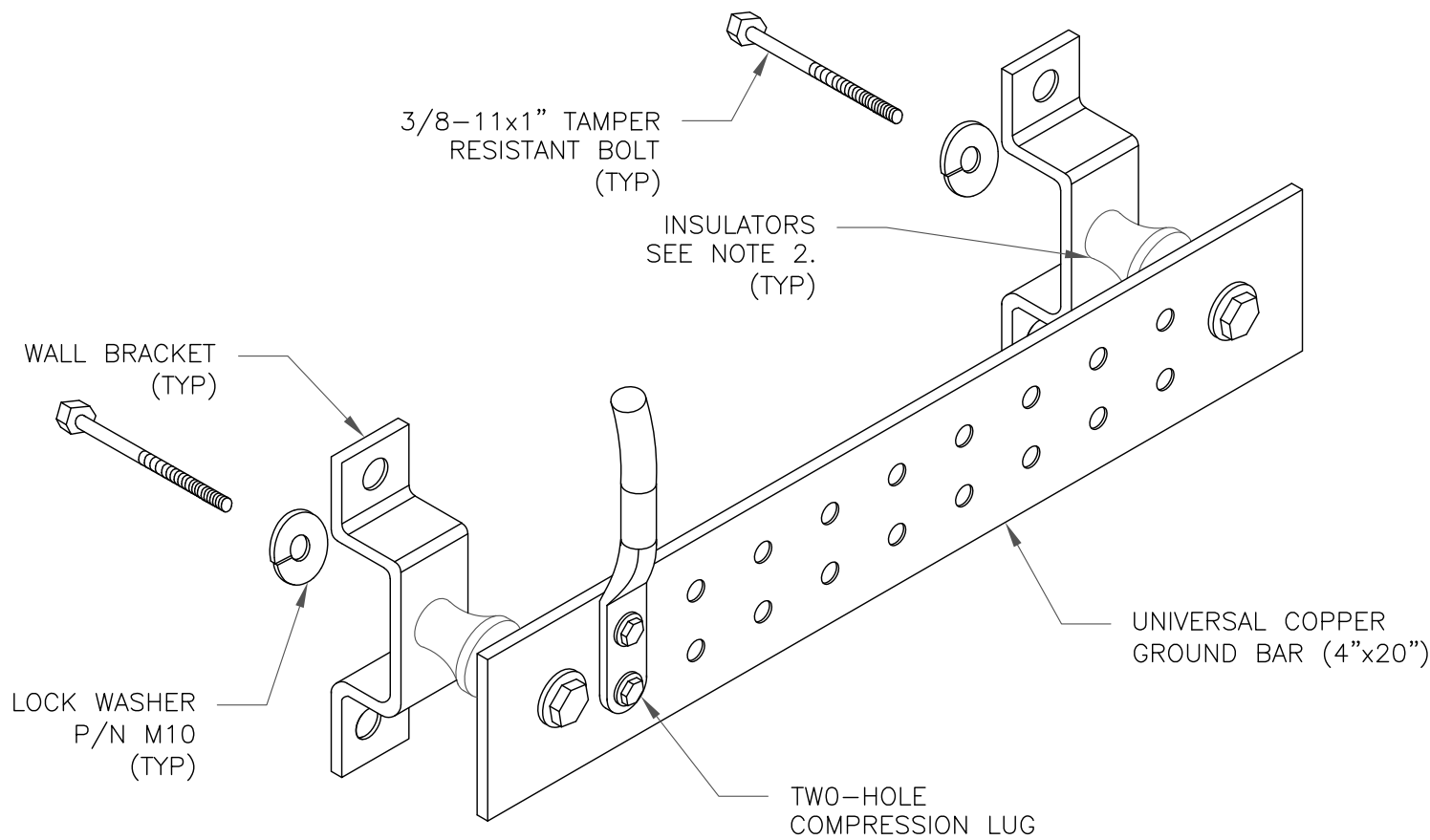
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



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.

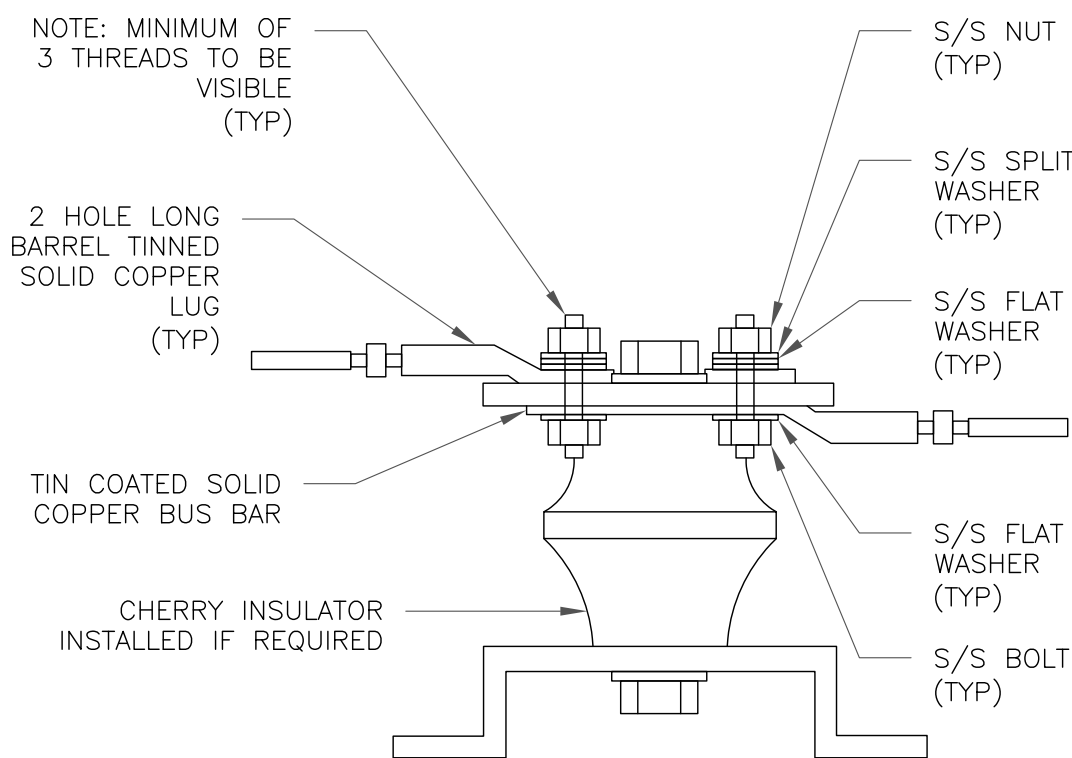
4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



NOTES:

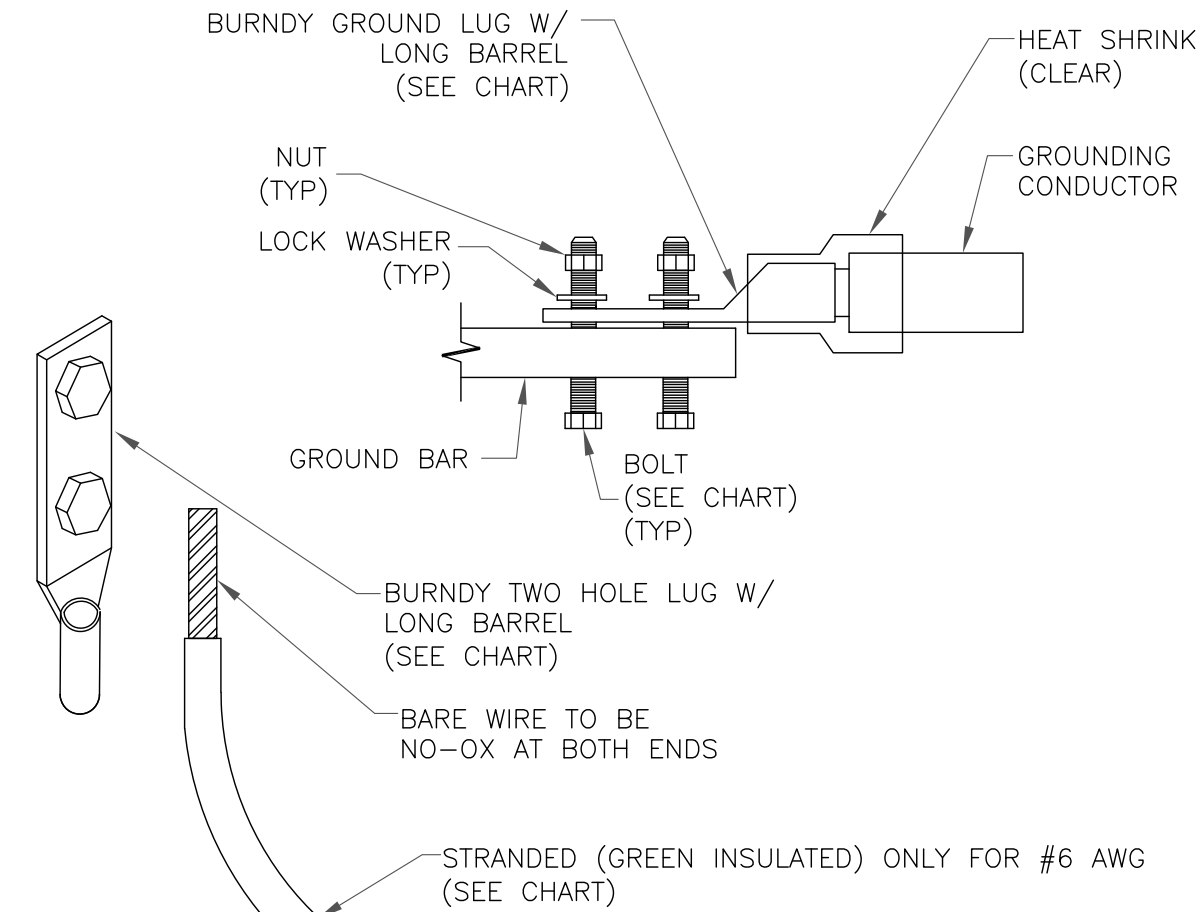
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR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

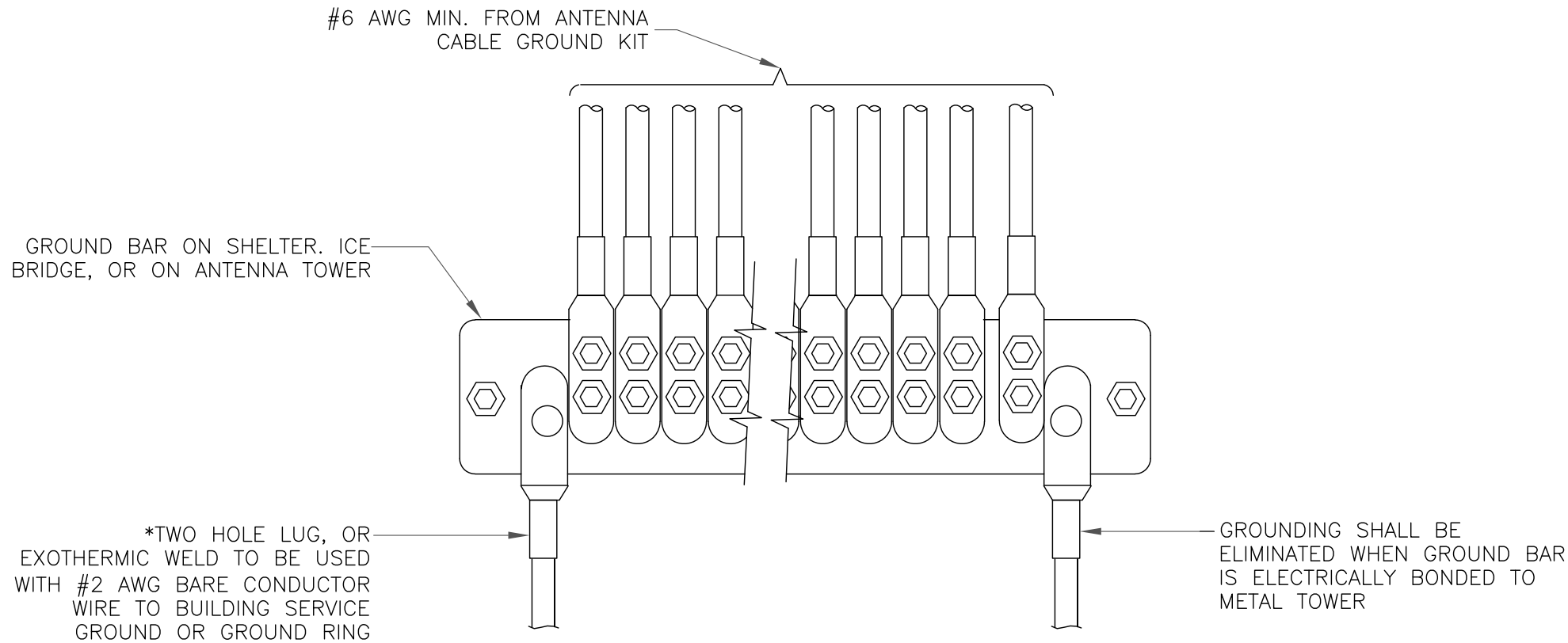
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



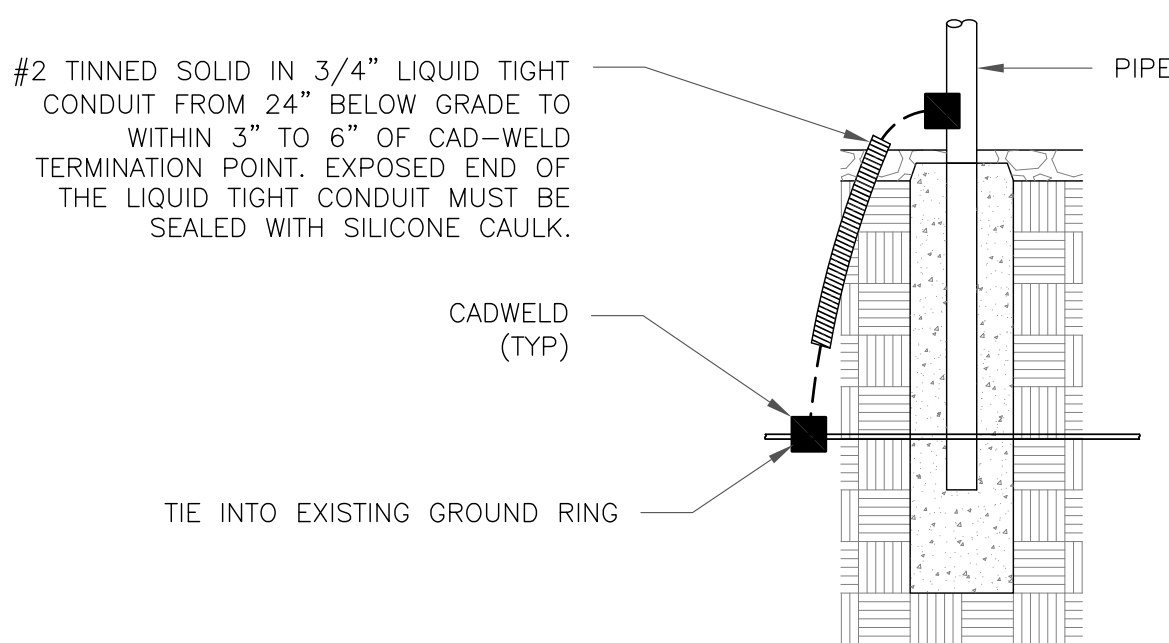
NOTES:

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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Exhibit D

Structural Analysis Report

Date: **May 7, 2021**



Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
(919) 661-6351

Subject: Structural Analysis Report

Carrier Designation:	Verizon Wireless Co-Locate
	Site Number: 468393
	Site Name: Chester CT
Crown Castle Designation:	BU Number: 800515
	Site Name: CT CHESTER CAC 800515
	JDE Job Number: 644581
	Work Order Number: 1957146
	Order Number: 552629 Rev. 0
Engineering Firm Designation:	TEP Project Number: 25608.537388
Site Data:	49 Wig Hill Road, Chester, Middlesex County, CT 06412
	Latitude 41° 24' 13.93", Longitude -72° 28' 20.82"
	150 Foot - Monopole Tower

Tower Engineering Professionals 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 – 59.9%

This analysis utilizes an ultimate 3-second gust wind speed of 130 mph as required by the 2018 Connecticut State Building Code and Appendix N. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Thomas Ware, P.E. / DEN

Respectfully submitted by:

Aaron T. Rucker, P.E.



Electronic Copy

05/07/2021

TABLE OF CONTENTS

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2) ANALYSIS CRITERIA

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3.2) Assumptions

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Table 5 - Tower Component Stresses vs. Capacity

4.1) Recommendations

5) APPENDIX A

tnxTower Output

6) APPENDIX B

Base Level Drawing

7) APPENDIX C

Additional Calculations

1) INTRODUCTION

This tower is a 150-ft monopole tower designed by Engineered Endeavors, Inc. The tower has been modified per reinforcement drawings prepared by GPD Associates in March of 2005.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	130 mph
Exposure Category:	B
Topographic Factor:	1.0
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)
141.0	141.0	6	Jma Wireless	MX06FRO660-03 w/ Mount Pipe	6 2	1-5/8 1-1/4
		3	Vzw	Sub6 Antenna - VZS01 w/ Mount Pipe		
		3	Samsung Telecom.	RFV01U-D2A		
		3	Samsung Telecom.	RFV01U-D1A		
		2	RFS Celwave	DB-B1-6C-12AB-0Z		
		1	Tower Mounts	Platform Mount [LP 713-1]		
	140.0	6	Antel	LPA-80080-4CF-EDIN-0 w/ Mount Pipe		

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)
150.0	150.0	3	Ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe	3	1-5/8
		3	RFS Celwave	APX16DWV-16DWV-S-E-A20 w/ Mount Pipe		
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
		3	Ericsson	RADIO 4415 B66A_CCIV3		
		3	Ericsson	RADIO 4424 B25_TMOV1		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		1	Tower Mounts	Platform Mount [LP 713-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
148.0	163.0	1	Kreco	CO-40A	4	7/8
	162.0	1	Telewave	ANT450F6		
	159.0	1	Telewave	ANT450F6		
		1	Kreco	CO-40A		
	148.0	4	Tower Mounts	Side Arm Mount [SO 701-1]		
		4	Tower Mounts	Side Arm Mount [SO 102-1]		
132.0	134.0	3	Powerwave Technologies	7770.00 w/ Mount Pipe	6 3 2 4	1-1/4 3/8 7/16 3/4
		3	Cci Antennas	TPA65R-BU6D w/ Mount Pipe		
		3	Cci Antennas	DMP65R-BU6D w/ Mount Pipe		
	132.0	2	Raycap	DC6-48-60-18-8F		
		3	Ericsson	RRUS 4478 B14		
		3	Ericsson	RRUS 8843 B2/B66A		
		3	Ericsson	RRUS 4449 B5/B12		
		1	Tower Mounts	Platform Mount [LP 713-1]		
116.0	118.0	1	Telewave	ANT450F6	2 1	1-1/4 1/4
		1	Telewave	ANT450Y7-WR		
		1	Rad Data Comm.	AIRMUX-400 w/ Mount Pipe		
	116.0	1	Tower Mounts	Platform Mount [LP 602-1]		
106.0	108.0	3	RFS Celwave	APXV18-206516S-C-A20 w/ Mount Pipe	13	1-5/8
		3	RFS Celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		3	Ericsson	KRY 112 489/2		
		3	Ericsson	KRY 112 144/1		
		3	Ericsson	RADIO 4449 B12/B71		
	106.0	1	Tower Mounts	Platform Mount [LP 713-1]		
93.0	93.0	3	Jma Wireless	MX08FRO665-20 w/ Mount Pipe	1	1-1/2
		1	Raycap	RDIDC-9181-PF-48		
		3	Fujitsu	TA08025-B604		
		3	Fujitsu	TA08025-B605		
		1	Commscope	MC-PK8-DSH		
75.0	75.0	1	Gps	GPS_A	1	1/2
		1	Tower Mounts	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Geotechnical Report	2301672	CCISites
Tower Foundation Drawings	671930	CCISites
Tower Manufacturer Drawings	671925	CCISites
Tower Reinforcement Drawings	1037702	CCISites
Post-Modification Inspection	1285403	CCISites

3.1) Analysis Method

tnxTower (version 8.0.9.0), 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) The 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. Tower Engineering Professionals should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (k)	ϕP_{allow} (k)	% Capacity	Pass / Fail
L1	150 - 122.92	Pole	TP28.83x21x0.1875	1	-13.20	1002.97	47.2	Pass
L2	122.92 - 84.26	Pole	TP39.51x27.2493x0.375	2	-28.97	2746.10	47.0	Pass
L3	84.26 - 41.55	Pole	TP50.99x37.1855x0.4375	3	-42.87	4143.17	52.7	Pass
L4	41.55 - 0	Pole	TP62x48.1364x0.5	4	-65.28	5995.11	50.4	Pass
							Summary	
						Pole (L3)	52.7	Pass
						RATING =	52.7	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	-	47.5	Pass
1,2	Base Plate	-	34.7	Pass
1,2	Base Foundation Soil Interaction	-	55.3	Pass
1,2	Base Foundation Structural	-	59.9	Pass
Structure Rating (max from all components) =				59.9%

Notes:

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

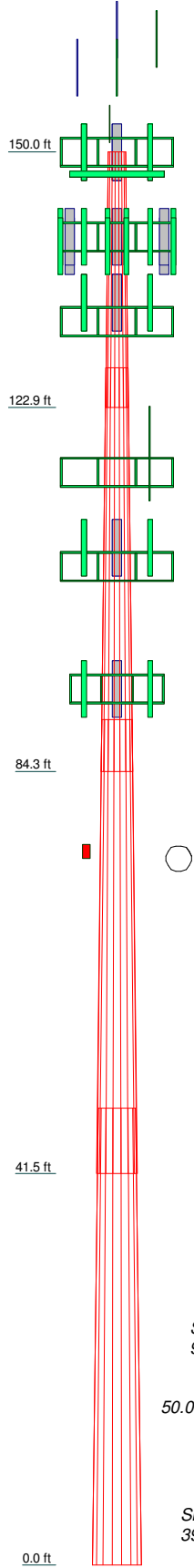
4.1) Recommendations

- 1) 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

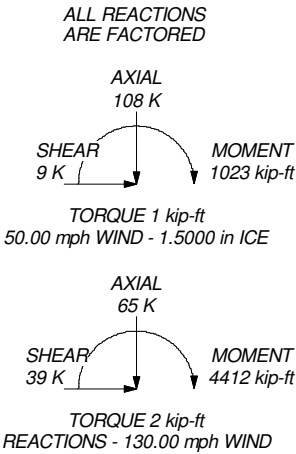
Section	1	2	3	4	
Length (ft)	27.08	42.83	48.21	48.46	
Number of Sides	18	18	18	18	
Thickness (in)	0.1875	0.3750	0.4375	0.5000	
Socket Length (ft)	4.17	5.50	6.91		
Top Dia (in)	21.0000	27.2493	37.1855	48.1364	
Bot Dia (in)	28.8300	39.5100	50.9900	62.0000	
Grade	A572-65				
Weight (K)	1.4	5.7	9.9	14.3	31.3

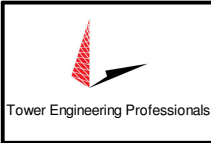


MATERIAL STRENGTH					
GRADE	F _y	F _u	GRADE	F _y	F _u
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Middlesex County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 130.00 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50.00 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.00 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 52.7%





Tower Engineering Professionals

Tower Engineering Professionals

326 Tryon Road
Raleigh, NC 27603
Phone: (919) 661-6351
FAX: (919) 661-6350

Job: **CT Chester CAC 800515 (BU 800515)**

Project: **TEP No. 25608.537388**

Client: Crown Castle	Drawn by: PRS	App'd:
Code: TIA-222-H	Date: 05/07/21	Scale: NTS
Path:		Dwg No. E-1

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	Client Crown Castle	Designed by PRS

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 Middlesex County, Connecticut.

Tower base elevation above sea level: 356.00 ft.

Basic wind speed of 130.00 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 56.00 pcf.

A wind speed of 50.00 mph is used in combination with ice.

Temperature drop of 50.00 °F.

Deflections calculated using a wind speed of 60.00 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	Distribute Leg Loads As Uniform	Use ASCE 10 X-Brace Ly Rules
Consider Moments - Horizontals	Assume Legs Pinned	Calculate Redundant Bracing Forces
Consider Moments - Diagonals	√ Assume Rigid Index Plate	Ignore Redundant Members in FEA
Use Moment Magnification	√ Use Clear Spans For Wind Area	SR Leg Bolts Resist Compression
√ Use Code Stress Ratios	Use Clear Spans For KL/r	All Leg Panels Have Same Allowable
√ Use Code Safety Factors - Guys	Retension Guys To Initial Tension	Offset Girt At Foundation
Escalate Ice	√ Bypass Mast Stability Checks	√ Consider Feed Line Torque
Always Use Max Kz	√ Use Azimuth Dish Coefficients	Include Angle Block Shear Check
Use Special Wind Profile	√ Project Wind Area of Appurt.	Use TIA-222-H Bracing Resist. Exemption
Include Bolts In Member Capacity	Autocalc Torque Arm Areas	Use TIA-222-H Tension Splice Exemption
Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Poles
Secondary Horizontal Braces Leg	√ Sort Capacity Reports By Component	√ Include Shear-Torsion Interaction
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	Always Use Sub-Critical Flow
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	Use Top Mounted Sockets
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	Pole Without Linear Attachments
		Pole With Shroud Or No Appurtenances
		Outside and Inside Corner Radii Are
		Known

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	Client	Crown Castle	Designed by	PRS

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	150.00-122.92	27.08	4.17	18	21.0000	28.8300	0.1875	0.7500	A572-65 (65 ksi)
L2	122.92-84.26	42.83	5.50	18	27.2493	39.5100	0.3750	1.5000	A572-65 (65 ksi)
L3	84.26-41.55	48.21	6.91	18	37.1855	50.9900	0.4375	1.7500	A572-65 (65 ksi)
L4	41.55-0.00	48.46		18	48.1364	62.0000	0.5000	2.0000	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	21.2950	12.3860	677.8263	7.3884	10.6680	63.5383	1356.5444	6.1942	3.3660	17.952
	29.2458	17.0459	1766.7635	10.1681	14.6456	120.6341	3535.8517	8.5246	4.7441	25.302
L2	28.8239	31.9871	2918.6754	9.5404	13.8426	210.8469	5841.1912	15.9966	4.1359	11.029
	40.0617	46.5804	9013.0474	13.8929	20.0711	449.0564	18037.9544	23.2946	6.2938	16.783
L3	39.2909	51.0293	8706.1285	13.0456	18.8903	460.8793	17423.7127	25.5195	5.7747	13.199
	51.7091	70.1985	22664.7192	17.9461	25.9029	874.9870	45359.2613	35.1059	8.2042	18.753
L4	50.8092	75.5990	21673.5922	16.9109	24.4533	886.3264	43375.7030	37.8067	7.5920	15.184
	62.8793	97.6005	46637.9792	21.8325	31.4960	1480.7588	93337.3258	48.8095	10.0320	20.064

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 150.00-122.92				1	1	1			
L2 122.92-84.26				1	1	1			
L3 84.26-41.55				1	1	1			
L4 41.55-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
HJ5-50(7/8")	A	No	Surface Ar (CaAa)	148.00 - 0.00	1	1	-0.250 -0.250	1.1100		0.54

CAT5e(1/4")	B	No	Surface Ar (CaAa)	116.00 - 0.00	1	1	0.000 0.000	0.2600		0.04
CR 1480 PE(1-1/4)	B	No	Surface Ar (CaAa)	116.00 - 0.00	2	2	0.000 0.000	1.5700		0.55

FLC 12-50J(1/2")	B	No	Surface Ar	75.00 - 0.00	1	1	0.500	0.6400		0.17

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	Client Crown Castle	Designed by PRS

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
***			(CaAa)				0.500			
Safety Line 3/8	C	No	Surface Ar (CaAa)	150.00 - 0.00	1	1	-0.250 -0.250	0.3750		0.22

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
HB158-21U6S24-xx M_TMO(1-5/8)	C	No	No	Inside Pole	150.00 - 0.00	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	2.50 2.50 2.50 2.50

HJ5-50(7/8")	A	No	No	Inside Pole	148.00 - 0.00	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.54 0.54 0.54 0.54

HJ7-50A(1-5/8")	B	No	No	Inside Pole	141.00 - 0.00	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	1.04 1.04 1.04 1.04
HB114-U6S12-xxx- LI(1-1/4")	B	No	No	Inside Pole	141.00 - 0.00	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	1.70 1.70 1.70 1.70

LCF114-50J(1-1/4")	C	No	No	Inside Pole	132.00 - 0.00	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.70 0.70 0.70 0.70
FB-L98B-002-75000 (3/8")	C	No	No	Inside Pole	132.00 - 0.00	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.06 0.06 0.06 0.06
WR-VG122ST-BRD A(7/16")	C	No	No	Inside Pole	132.00 - 0.00	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.14 0.14 0.14 0.14
WR-VG86ST-BRD (3/4")	C	No	No	Inside Pole	132.00 - 0.00	4	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.88 0.88 0.88 0.88

LDF7-50A(1-5/8")	B	No	No	Inside Pole	106.00 - 0.00	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.82 0.82 0.82 0.82
AVA7-50(1-5/8")	B	No	No	Inside Pole	106.00 - 0.00	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.72 0.72 0.72 0.72
HCS 6X12	B	No	No	Inside Pole	106.00 - 0.00	1	No Ice	0.00	2.40

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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	
4AWG(1-5/8")							1/2" Ice	0.00	2.40	
							1" Ice	0.00	2.40	
							2" Ice	0.00	2.40	

CU12PSM9P6XXX(1-1/2)	A	No	No	Inside Pole	93.00 - 0.00	1	No Ice	0.00	2.35	
								1/2" Ice	0.00	2.35
								1" Ice	0.00	2.35
								2" Ice	0.00	2.35

Feed Line/Linear Appurtenances Section Areas

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	150.00-122.92	A	0.000	0.000	2.784	0.000	0.05
		B	0.000	0.000	0.000	0.000	0.17
		C	0.000	0.000	1.016	0.000	0.28
L2	122.92-84.26	A	0.000	0.000	4.291	0.000	0.10
		B	0.000	0.000	10.792	0.000	0.66
		C	0.000	0.000	1.450	0.000	0.61
L3	84.26-41.55	A	0.000	0.000	4.741	0.000	0.19
		B	0.000	0.000	16.662	0.000	0.96
		C	0.000	0.000	1.602	0.000	0.68
L4	41.55-0.00	A	0.000	0.000	4.612	0.000	0.19
		B	0.000	0.000	16.786	0.000	0.94
		C	0.000	0.000	1.558	0.000	0.66

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	150.00-122.92	A	1.469	0.000	0.000	10.151	0.000	0.17
		B		0.000	0.000	0.000	0.000	0.17
		C		0.000	0.000	8.970	0.000	0.37
L2	122.92-84.26	A	1.428	0.000	0.000	15.647	0.000	0.28
		B		0.000	0.000	34.261	0.000	1.00
		C		0.000	0.000	12.806	0.000	0.74
L3	84.26-41.55	A	1.359	0.000	0.000	16.942	0.000	0.38
		B		0.000	0.000	57.025	0.000	1.52
		C		0.000	0.000	13.803	0.000	0.81
L4	41.55-0.00	A	1.213	0.000	0.000	15.905	0.000	0.36
		B		0.000	0.000	56.751	0.000	1.47
		C		0.000	0.000	12.851	0.000	0.78

Feed Line Center of Pressure

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Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
L1	150.00-122.92	-0.6649	0.2448	-0.8046	1.0285
L2	122.92-84.26	1.1015	-0.7868	1.6537	-0.5300
L3	84.26-41.55	1.7274	-0.7916	2.8609	-0.3609
L4	41.55-0.00	1.8444	-0.7646	3.1921	-0.2845

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L1	5	HJ5-50(7/8")	122.92 - 148.00	1.0000	1.0000
L1	33	Safety Line 3/8	122.92 - 150.00	1.0000	1.0000
L2	5	HJ5-50(7/8")	84.26 - 122.92	1.0000	1.0000
L2	17	CAT5e(1/4")	84.26 - 116.00	1.0000	1.0000
L2	18	CR 1480 PE(1-1/4)	84.26 - 116.00	1.0000	1.0000
L2	33	Safety Line 3/8	84.26 - 122.92	1.0000	1.0000
L3	5	HJ5-50(7/8")	41.55 - 84.26	1.0000	1.0000
L3	17	CAT5e(1/4")	41.55 - 84.26	1.0000	1.0000
L3	18	CR 1480 PE(1-1/4)	41.55 - 84.26	1.0000	1.0000
L3	29	FLC 12-50J(1/2")	41.55 - 75.00	1.0000	1.0000
L3	33	Safety Line 3/8	41.55 - 84.26	1.0000	1.0000
L4	5	HJ5-50(7/8")	0.00 - 41.55	1.0000	1.0000
L4	17	CAT5e(1/4")	0.00 - 41.55	1.0000	1.0000
L4	18	CR 1480 PE(1-1/4)	0.00 - 41.55	1.0000	1.0000
L4	29	FLC 12-50J(1/2")	0.00 - 41.55	1.0000	1.0000
L4	33	Safety Line 3/8	0.00 - 41.55	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
Lightning Rod 5/8" x 6'	C	From Leg	0.00 0.00 3.00	0.00	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.38 0.99 1.62 2.46	0.38 0.99 1.62 2.46	0.01 0.01 0.02 0.05

RADIO 4415 B66A_CCIV3	A	From Centroid-Le	4.00 0.00	0.00	150.00	No Ice 1/2" Ice	1.64 1.80	0.68 0.79	0.05 0.06

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	Client	Crown Castle	Designed by	PRS

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>	<i>C_{AA} Front ft²</i>	<i>C_{AA} Side ft²</i>	<i>Weight K</i>
		g	0.00			1" Ice 1.97	0.91	0.07
						2" Ice 2.32	1.18	0.11
RADIO 4415 B66A_CCIV3	B	From	4.00	0.00	150.00	No Ice 1.64	0.68	0.05
		Centroid-Le	0.00			1/2" Ice 1.80	0.79	0.06
		g	0.00			1" Ice 1.97	0.91	0.07
						2" Ice 2.32	1.18	0.11
RADIO 4415 B66A_CCIV3	C	From	4.00	0.00	150.00	No Ice 1.64	0.68	0.05
		Centroid-Le	0.00			1/2" Ice 1.80	0.79	0.06
		g	0.00			1" Ice 1.97	0.91	0.07
						2" Ice 2.32	1.18	0.11
RADIO 4424 B25_TMOV1	A	From	4.00	0.00	150.00	No Ice 2.05	1.61	0.10
		Centroid-Le	0.00			1/2" Ice 2.23	1.77	0.12
		g	0.00			1" Ice 2.42	1.94	0.14
						2" Ice 2.81	2.30	0.20
RADIO 4424 B25_TMOV1	B	From	4.00	0.00	150.00	No Ice 2.05	1.61	0.10
		Centroid-Le	0.00			1/2" Ice 2.23	1.77	0.12
		g	0.00			1" Ice 2.42	1.94	0.14
						2" Ice 2.81	2.30	0.20
RADIO 4424 B25_TMOV1	C	From	4.00	0.00	150.00	No Ice 2.05	1.61	0.10
		Centroid-Le	0.00			1/2" Ice 2.23	1.77	0.12
		g	0.00			1" Ice 2.42	1.94	0.14
						2" Ice 2.81	2.30	0.20
RADIO 4449 B71 B85A_T-MOBILE	A	From	4.00	0.00	150.00	No Ice 1.97	1.59	0.07
		Centroid-Le	0.00			1/2" Ice 2.15	1.75	0.09
		g	0.00			1" Ice 2.33	1.92	0.12
						2" Ice 2.72	2.28	0.17
RADIO 4449 B71 B85A_T-MOBILE	B	From	4.00	0.00	150.00	No Ice 1.97	1.59	0.07
		Centroid-Le	0.00			1/2" Ice 2.15	1.75	0.09
		g	0.00			1" Ice 2.33	1.92	0.12
						2" Ice 2.72	2.28	0.17
RADIO 4449 B71 B85A_T-MOBILE	C	From	4.00	0.00	150.00	No Ice 1.97	1.59	0.07
		Centroid-Le	0.00			1/2" Ice 2.15	1.75	0.09
		g	0.00			1" Ice 2.33	1.92	0.12
						2" Ice 2.72	2.28	0.17
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From	4.00	0.00	150.00	No Ice 5.19	2.71	0.13
		Centroid-Le	0.00			1/2" Ice 5.59	3.04	0.17
		g	0.00			1" Ice 6.02	3.38	0.23
						2" Ice 6.90	4.12	0.35
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From	4.00	0.00	150.00	No Ice 5.19	2.71	0.13
		Centroid-Le	0.00			1/2" Ice 5.59	3.04	0.17
		g	0.00			1" Ice 6.02	3.38	0.23
						2" Ice 6.90	4.12	0.35
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From	4.00	0.00	150.00	No Ice 5.19	2.71	0.13
		Centroid-Le	0.00			1/2" Ice 5.59	3.04	0.17
		g	0.00			1" Ice 6.02	3.38	0.23
						2" Ice 6.90	4.12	0.35
APX16DWV-16DWV-S-E-A 20 w/ Mount Pipe	A	From	4.00	0.00	150.00	No Ice 6.29	2.76	0.06
		Centroid-Le	0.00			1/2" Ice 6.86	3.27	0.11
		g	0.00			1" Ice 7.45	3.79	0.16
						2" Ice 8.68	4.90	0.29
APX16DWV-16DWV-S-E-A 20 w/ Mount Pipe	B	From	4.00	0.00	150.00	No Ice 6.29	2.76	0.06
		Centroid-Le	0.00			1/2" Ice 6.86	3.27	0.11
		g	0.00			1" Ice 7.45	3.79	0.16
						2" Ice 8.68	4.90	0.29
APX16DWV-16DWV-S-E-A 20 w/ Mount Pipe	C	From	4.00	0.00	150.00	No Ice 6.29	2.76	0.06
		Centroid-Le	0.00			1/2" Ice 6.86	3.27	0.11
		g	0.00			1" Ice 7.45	3.79	0.16

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<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>	<i>C_{AA} Front ft²</i>	<i>C_{AA} Side ft²</i>	<i>Weight K</i>
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Centroid-Le g	4.00 0.00 0.00	0.00	150.00	2" Ice 8.68 No Ice 14.69 1/2" Ice 15.46 1" Ice 16.23 2" Ice 17.82	4.90 6.87 7.55 8.25 9.67	0.29 0.18 0.31 0.45 0.78
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	B	From Centroid-Le g	4.00 0.00 0.00	0.00	150.00	2" Ice 14.69 No Ice 15.46 1/2" Ice 16.23 1" Ice 17.82 2" Ice 17.82	6.87 7.55 8.25 9.67 9.67	0.18 0.31 0.45 0.78 0.78
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 0.00	0.00	150.00	2" Ice 14.69 No Ice 15.46 1/2" Ice 16.23 1" Ice 17.82 2" Ice 17.82	6.87 7.55 8.25 9.67 9.67	0.18 0.31 0.45 0.78 0.78
2.4" Dia. x 6-ft	A	From Centroid-Le g	4.00 0.00 0.00	0.00	150.00	2" Ice 1.43 No Ice 1.92 1/2" Ice 2.29 1" Ice 3.06 2" Ice 3.06	1.43 1.92 2.29 3.06 3.06	0.02 0.03 0.05 0.09 0.09
2.4" Dia. x 6-ft	B	From Centroid-Le g	4.00 0.00 0.00	0.00	150.00	2" Ice 1.43 No Ice 1.92 1/2" Ice 2.29 1" Ice 3.06 2" Ice 3.06	1.43 1.92 2.29 3.06 3.06	0.02 0.03 0.05 0.09 0.09
2.4" Dia. x 6-ft	C	From Centroid-Le g	4.00 0.00 0.00	0.00	150.00	2" Ice 1.43 No Ice 1.92 1/2" Ice 2.29 1" Ice 3.06 2" Ice 3.06	1.43 1.92 2.29 3.06 3.06	0.02 0.03 0.05 0.09 0.09
L1.75xL1.75x.25 Face Reinforcement	A	From Centroid-Le g	4.00 0.00 0.00	0.00	150.00	2" Ice 2.65 No Ice 3.68 1/2" Ice 4.72 1" Ice 6.81 2" Ice 6.81	0.00 0.02 0.04 0.11 0.11	0.04 0.05 0.08 0.16 0.16
L1.75xL1.75x.25 Face Reinforcement	B	From Centroid-Le g	4.00 0.00 0.00	0.00	150.00	2" Ice 2.65 No Ice 3.68 1/2" Ice 4.72 1" Ice 6.81 2" Ice 6.81	0.00 0.02 0.04 0.11 0.11	0.04 0.05 0.08 0.16 0.16
L1.75xL1.75x.25 Face Reinforcement	C	From Centroid-Le g	4.00 0.00 0.00	0.00	150.00	2" Ice 2.65 No Ice 3.68 1/2" Ice 4.72 1" Ice 6.81 2" Ice 6.81	0.00 0.02 0.04 0.11 0.11	0.04 0.05 0.08 0.16 0.16
8' Ladder	C	From Centroid-Le g	2.00 0.00 -2.00	0.00	150.00	2" Ice 1.53 No Ice 4.36 1/2" Ice 7.19 1" Ice 12.86 2" Ice 12.86	5.33 8.08 10.83 16.33 16.33	0.10 0.11 0.13 0.16 0.16
Platform Mount [LP 713-1]	C	None		0.00	150.00	2" Ice 32.89 No Ice 35.76 1/2" Ice 38.76 1" Ice 45.26 2" Ice 45.26	32.89 35.76 38.76 45.26 45.26	1.51 2.23 3.03 4.86 4.86

CO-40A	A	From Leg	4.00 0.00 15.00	0.00	148.00	2" Ice 2.76 No Ice 3.84 1/2" Ice 4.93 1" Ice 6.46 2" Ice 6.46	2.76 3.84 4.93 6.46 6.46	0.01 0.03 0.05 0.13 0.13
ANT450F6	B	From Leg	4.00 0.00 14.00	0.00	148.00	2" Ice 1.90 No Ice 2.73 1/2" Ice 3.40 1" Ice 4.40 2" Ice 4.40	1.90 2.73 3.40 4.40 4.40	0.01 0.02 0.04 0.10 0.10
CO-40A	C	From Face	4.00 0.00 11.00	0.00	148.00	2" Ice 2.76 No Ice 3.84 1/2" Ice 4.93 1" Ice 4.93	2.76 3.84 4.93 4.93	0.01 0.03 0.05 0.05

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	Project TEP No. 25608.537388	Date 17:59:46 05/07/21
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<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>	<i>C_{AA} Front ft²</i>	<i>C_{AA} Side ft²</i>	<i>Weight K</i>
ANT450F6	A	From Face	4.00 0.00 11.00	0.00	148.00	2" Ice 6.46 No Ice 1.90 1/2" Ice 2.73 1" Ice 3.40 2" Ice 4.40	6.46 1.90 2.73 3.40 4.40	0.13 0.01 0.02 0.04 0.10
2.4" x 8' Pipe	A	From Leg	4.00 0.00 4.00	0.00	148.00	2" Ice 1.90 No Ice 1.90 1/2" Ice 2.73 1" Ice 3.42 2" Ice 4.46	1.90 1.90 2.73 3.42 4.46	0.03 0.03 0.05 0.07 0.13
2.4" x 8' Pipe	B	From Leg	4.00 0.00 4.00	0.00	148.00	2" Ice 1.90 No Ice 1.90 1/2" Ice 2.73 1" Ice 3.42 2" Ice 4.46	1.90 1.90 2.73 3.42 4.46	0.03 0.03 0.05 0.07 0.13
2.4" x 8' Pipe	C	From Face	4.00 0.00 4.00	0.00	148.00	2" Ice 1.90 No Ice 1.90 1/2" Ice 2.73 1" Ice 3.42 2" Ice 4.46	1.90 1.90 2.73 3.42 4.46	0.03 0.03 0.05 0.07 0.13
2.4" x 8' Pipe	A	From Face	4.00 0.00 4.00	0.00	148.00	2" Ice 1.90 No Ice 1.90 1/2" Ice 2.73 1" Ice 3.42 2" Ice 4.46	1.90 1.90 2.73 3.42 4.46	0.03 0.03 0.05 0.07 0.13
Side Arm Mount [SO 701-1]	A	From Leg	1.50 0.00 0.00	0.00	148.00	2" Ice 2.01 No Ice 0.85 1/2" Ice 1.14 1" Ice 1.43 2" Ice 2.01	4.35 1.67 2.34 3.01 4.35	0.12 0.07 0.08 0.09 0.12
Side Arm Mount [SO 701-1]	B	From Leg	1.50 0.00 0.00	0.00	148.00	2" Ice 2.01 No Ice 0.85 1/2" Ice 1.14 1" Ice 1.43 2" Ice 2.01	4.35 1.67 2.34 3.01 4.35	0.12 0.07 0.08 0.09 0.12
Side Arm Mount [SO 701-1]	C	From Face	1.50 0.00 0.00	0.00	148.00	2" Ice 2.01 No Ice 0.85 1/2" Ice 1.14 1" Ice 1.43 2" Ice 2.01	4.35 1.67 2.34 3.01 4.35	0.12 0.07 0.08 0.09 0.12
Side Arm Mount [SO 701-1]	A	From Face	1.50 0.00 0.00	0.00	148.00	2" Ice 2.01 No Ice 0.85 1/2" Ice 1.14 1" Ice 1.43 2" Ice 2.01	4.35 1.67 2.34 3.01 4.35	0.12 0.07 0.08 0.09 0.12
Side Arm Mount [SO 102-3]	C	None		0.00	148.00	2" Ice 2.01 No Ice 3.60 1/2" Ice 4.18 1" Ice 4.75 2" Ice 5.90	4.35 3.60 4.18 4.75 5.90	0.12 0.07 0.11 0.14 0.20
Side Arm Mount [SO 102-1]	C	From Face	0.00 0.00 0.00	0.00	148.00	2" Ice 1.50 No Ice 1.50 1/2" Ice 1.74 1" Ice 1.98 2" Ice 2.46	1.50 1.50 1.74 1.98 2.46	0.03 0.03 0.04 0.04 0.07

(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	A	From Centroid-Le g	4.00 0.00 -1.00	0.00	141.00	2" Ice 2.86 No Ice 3.22 1/2" Ice 3.59 1" Ice 4.34 2" Ice 4.34	6.57 7.19 7.84 9.17 9.17	0.03 0.08 0.13 0.25 0.25
(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	B	From Centroid-Le g	4.00 0.00 -1.00	0.00	141.00	2" Ice 2.86 No Ice 3.22 1/2" Ice 3.59 1" Ice 4.34 2" Ice 4.34	6.57 7.19 7.84 9.17 9.17	0.03 0.08 0.13 0.25 0.25
(2) LPA-80080-4CF-EDIN-0 w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 -1.00	0.00	141.00	2" Ice 2.86 No Ice 3.22 1/2" Ice 3.59 1" Ice 3.59	6.57 7.19 7.84 7.84	0.03 0.08 0.13 0.13

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	Project	TEP No. 25608.537388	Date	17:59:46 05/07/21
	Client	Crown Castle	Designed by	PRS

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>	<i>C_{AA} Front ft²</i>	<i>C_{AA} Side ft²</i>	<i>Weight K</i>
(2) MX06FRO660-03 w/ Mount Pipe	A	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 4.34 No Ice 6.54 1/2" Ice 7.06 1" Ice 7.60 2" Ice 8.70	9.17 5.55 6.05 6.57 7.65	0.25 0.10 0.18 0.28 0.50
(2) MX06FRO660-03 w/ Mount Pipe	B	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 8.70 No Ice 6.54 1/2" Ice 7.06 1" Ice 7.60 2" Ice 8.70	7.65 5.55 6.05 6.57 7.65	0.50 0.10 0.18 0.28 0.50
(2) MX06FRO660-03 w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 8.70 No Ice 6.54 1/2" Ice 7.06 1" Ice 7.60 2" Ice 8.70	7.65 5.55 6.05 6.57 7.65	0.50 0.10 0.18 0.28 0.50
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 8.70 No Ice 4.92 1/2" Ice 5.26 1" Ice 5.62 2" Ice 6.37	7.65 2.69 3.15 3.63 4.64	0.50 0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 6.37 No Ice 4.92 1/2" Ice 5.26 1" Ice 5.62 2" Ice 6.37	4.64 2.69 3.15 3.63 4.64	0.29 0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 6.37 No Ice 4.92 1/2" Ice 5.26 1" Ice 5.62 2" Ice 6.37	4.64 2.69 3.15 3.63 4.64	0.29 0.10 0.14 0.19 0.29
RFV01U-D2A	A	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 6.37 No Ice 1.88 1/2" Ice 2.05 1" Ice 2.22 2" Ice 2.60	4.64 1.01 1.14 1.28 1.59	0.29 0.07 0.09 0.11 0.15
RFV01U-D2A	B	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 2.60 No Ice 1.88 1/2" Ice 2.05 1" Ice 2.22 2" Ice 2.60	1.59 1.01 1.14 1.28 1.59	0.15 0.07 0.09 0.11 0.15
RFV01U-D2A	C	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 2.60 No Ice 1.88 1/2" Ice 2.05 1" Ice 2.22 2" Ice 2.60	1.59 1.01 1.14 1.28 1.59	0.15 0.07 0.09 0.11 0.15
RFV01U-D1A	A	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 2.60 No Ice 1.88 1/2" Ice 2.05 1" Ice 2.22 2" Ice 2.60	1.59 1.25 1.39 1.54 1.86	0.15 0.08 0.10 0.12 0.18
RFV01U-D1A	B	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 2.60 No Ice 1.88 1/2" Ice 2.05 1" Ice 2.22 2" Ice 2.60	1.86 1.25 1.39 1.54 1.86	0.18 0.08 0.10 0.12 0.18
RFV01U-D1A	C	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 2.60 No Ice 1.88 1/2" Ice 2.05 1" Ice 2.22 2" Ice 2.60	1.86 1.25 1.39 1.54 1.86	0.18 0.08 0.10 0.12 0.18
DB-B1-6C-12AB-0Z	A	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 2.60 No Ice 3.79 1/2" Ice 4.04 1" Ice 4.30 2" Ice 4.84	1.86 2.51 2.73 2.95 3.42	0.18 0.03 0.06 0.10 0.18
DB-B1-6C-12AB-0Z	B	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	2" Ice 4.84 No Ice 3.79 1/2" Ice 4.04 1" Ice 4.30 2" Ice 4.84	3.42 2.51 2.73 2.95 3.42	0.18 0.03 0.06 0.10 0.18

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	Project	TEP No. 25608.537388	Date	17:59:46 05/07/21
	Client	Crown Castle	Designed by	PRS

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
L1.75xL1.75x.25 Face Reinforcement	A	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.65 3.68 4.72 6.81	0.00 0.02 0.04 0.11	0.04 0.05 0.08 0.16
L1.75xL1.75x.25 Face Reinforcement	B	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.65 3.68 4.72 6.81	0.00 0.02 0.04 0.11	0.04 0.05 0.08 0.16
L1.75xL1.75x.25 Face Reinforcement	C	From Centroid-Le g	4.00 0.00 0.00	0.00	141.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.65 3.68 4.72 6.81	0.00 0.02 0.04 0.11	0.04 0.05 0.08 0.16
8-ft Ladder	C	From Centroid-Le g	2.00 0.00 -2.00	0.00	141.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.07 9.73 11.19 13.98	7.07 9.73 11.19 13.98	0.04 0.07 0.08 0.11
Platform Mount [LP 713-1]	C	None		0.00	141.00	No Ice 1/2" Ice 1" Ice 2" Ice	32.89 35.76 38.76 45.26	32.89 35.76 38.76 45.26	1.51 2.23 3.03 4.86

7770.00 w/ Mount Pipe	A	From Centroid-Le g	4.00 0.00 2.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	B	From Centroid-Le g	4.00 0.00 2.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 2.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
TPA65R-BU6D w/ Mount Pipe	A	From Centroid-Le g	4.00 0.00 2.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.25 13.00 13.76 15.34	6.05 6.71 7.39 8.79	0.10 0.19 0.28 0.52
TPA65R-BU6D w/ Mount Pipe	B	From Centroid-Le g	4.00 0.00 2.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.25 13.00 13.76 15.34	6.05 6.71 7.39 8.79	0.10 0.19 0.28 0.52
TPA65R-BU6D w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 2.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.25 13.00 13.76 15.34	6.05 6.71 7.39 8.79	0.10 0.19 0.28 0.52
DMP65R-BU6D w/ Mount Pipe	A	From Centroid-Le g	4.00 0.00 2.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.96 12.70 13.46 15.02	5.97 6.63 7.30 8.69	0.11 0.20 0.30 0.53
DMP65R-BU6D w/ Mount Pipe	B	From Centroid-Le g	4.00 0.00 2.00	0.00	132.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.96 12.70 13.46 15.02	5.97 6.63 7.30 8.69	0.11 0.20 0.30 0.53
DMP65R-BU6D w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 2.00	0.00	132.00	No Ice 1/2" Ice 1" Ice	11.96 12.70 13.46	5.97 6.63 7.30	0.11 0.20 0.30

<i>tnxTower</i> <i>Tower Engineering Professionals</i> 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	CT Chester CAC 800515 (BU 800515)	Page 11 of 22
	Project	TEP No. 25608.537388	Date 17:59:46 05/07/21
	Client	Crown Castle	Designed by PRS

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
DC6-48-60-18-8F	A	From Centroid-Le g	4.00	0.00	132.00	2" Ice	15.02	8.69	0.53
			0.00			No Ice	1.21	1.21	0.03
			0.00			1/2" Ice	1.89	1.89	0.05
			0.00			1" Ice	2.11	2.11	0.08
			0.00			2" Ice	2.57	2.57	0.14
DC6-48-60-18-8F	B	From Centroid-Le g	4.00	0.00	132.00	No Ice	1.21	1.21	0.03
			0.00			1/2" Ice	1.89	1.89	0.05
			0.00			1" Ice	2.11	2.11	0.08
			0.00			2" Ice	2.57	2.57	0.14
			0.00			No Ice	1.84	1.06	0.06
RRUS 4478 B14	A	From Centroid-Le g	4.00	0.00	132.00	1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
			0.00			2" Ice	2.57	1.66	0.14
			0.00			No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
RRUS 4478 B14	B	From Centroid-Le g	4.00	0.00	132.00	1" Ice	2.19	1.34	0.09
			0.00			2" Ice	2.57	1.66	0.14
			0.00			No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
RRUS 4478 B14	C	From Centroid-Le g	4.00	0.00	132.00	2" Ice	2.57	1.66	0.14
			0.00			No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
			0.00			2" Ice	2.57	1.66	0.14
RRUS 8843 B2/B66A	A	From Centroid-Le g	4.00	0.00	132.00	No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			0.00			1" Ice	1.97	1.65	0.11
			0.00			2" Ice	2.32	1.99	0.16
			0.00			No Ice	1.64	1.35	0.07
RRUS 8843 B2/B66A	B	From Centroid-Le g	4.00	0.00	132.00	1/2" Ice	1.80	1.50	0.09
			0.00			1" Ice	1.97	1.65	0.11
			0.00			2" Ice	2.32	1.99	0.16
			0.00			No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
RRUS 8843 B2/B66A	C	From Centroid-Le g	4.00	0.00	132.00	1" Ice	1.97	1.65	0.11
			0.00			2" Ice	2.32	1.99	0.16
			0.00			No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			0.00			1" Ice	1.97	1.65	0.11
RRUS 4449 B5/B12	A	From Centroid-Le g	4.00	0.00	132.00	2" Ice	2.32	1.99	0.16
			0.00			No Ice	1.97	1.41	0.07
			0.00			1/2" Ice	2.14	1.56	0.09
			0.00			1" Ice	2.33	1.73	0.11
			0.00			2" Ice	2.72	2.07	0.16
RRUS 4449 B5/B12	B	From Centroid-Le g	4.00	0.00	132.00	No Ice	1.97	1.41	0.07
			0.00			1/2" Ice	2.14	1.56	0.09
			0.00			1" Ice	2.33	1.73	0.11
			0.00			2" Ice	2.72	2.07	0.16
			0.00			No Ice	1.97	1.41	0.07
RRUS 4449 B5/B12	C	From Centroid-Le g	4.00	0.00	132.00	1/2" Ice	2.14	1.56	0.09
			0.00			1" Ice	2.33	1.73	0.11
			0.00			2" Ice	2.72	2.07	0.16
			0.00			No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
2.4" Dia. x 6-ft	A	From Centroid-Le g	4.00	0.00	132.00	1" Ice	2.29	2.29	0.05
			0.00			2" Ice	3.06	3.06	0.09
			0.00			No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
2.4" Dia. x 6-ft	B	From Centroid-Le g	4.00	0.00	132.00	2" Ice	3.06	3.06	0.09
			0.00			No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
			0.00			2" Ice	3.06	3.06	0.09
2.4" Dia. x 6-ft	C	From Centroid-Le g	4.00	0.00	132.00	No Ice	1.43	1.43	0.02
			0.00			1/2" Ice	1.92	1.92	0.03
			0.00			1" Ice	2.29	2.29	0.05
			0.00			2" Ice	3.06	3.06	0.09
			0.00			No Ice	1.43	1.43	0.02

<i>tnxTower</i> <i>Tower Engineering Professionals</i> 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	CT Chester CAC 800515 (BU 800515)	Page	12 of 22
	Project	TEP No. 25608.537388	Date	17:59:46 05/07/21
	Client	Crown Castle	Designed by	PRS

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>	<i>C_{AA} Front ft²</i>	<i>C_{AA} Side ft²</i>	<i>Weight K</i>
8' Ladder	C	From Centroid-Le g	2.00 0.00 -2.00	0.00	132.00	No Ice 1.53 1/2" Ice 4.36 1" Ice 7.19 2" Ice 12.86	5.33 8.08 10.83 16.33	0.10 0.11 0.13 0.16
L1.75xL1.75x.25 Face Reinforcement	A	From Centroid-Le g	4.00 0.00 0.00	0.00	132.00	No Ice 2.65 1/2" Ice 3.68 1" Ice 4.72 2" Ice 6.81	0.00 0.02 0.04 0.11	0.04 0.05 0.08 0.16
L1.75xL1.75x.25 Face Reinforcement	B	From Centroid-Le g	4.00 0.00 0.00	0.00	132.00	No Ice 2.65 1/2" Ice 3.68 1" Ice 4.72 2" Ice 6.81	0.00 0.02 0.04 0.11	0.04 0.05 0.08 0.16
L1.75xL1.75x.25 Face Reinforcement	C	From Centroid-Le g	4.00 0.00 0.00	0.00	132.00	No Ice 2.65 1/2" Ice 3.68 1" Ice 4.72 2" Ice 6.81	0.00 0.02 0.04 0.11	0.04 0.05 0.08 0.16
Platform Mount [LP 713-1]	C	None		0.00	132.00	No Ice 32.89 1/2" Ice 35.76 1" Ice 38.76 2" Ice 45.26	32.89 35.76 38.76 45.26	1.51 2.23 3.03 4.86

ANT450F6	A	From Centroid-Le g	4.00 0.00 2.00	0.00	116.00	No Ice 1.90 1/2" Ice 2.73 1" Ice 3.40 2" Ice 4.40	1.90 2.73 3.40 4.40	0.01 0.02 0.04 0.10
ANT450Y7-WR	A	From Centroid-Le g	4.00 0.00 2.00	0.00	116.00	No Ice 0.42 1/2" Ice 0.51 1" Ice 0.61 2" Ice 0.80	0.42 0.51 0.61 0.80	0.01 0.01 0.03 0.05
AIRMUX-400 w/ Mount Pipe	B	From Centroid-Le g	4.00 0.00 2.00	0.00	116.00	No Ice 2.00 1/2" Ice 2.23 1" Ice 2.48 2" Ice 3.00	0.87 1.11 1.37 1.95	0.02 0.03 0.05 0.11
(4) 2.4" Dia. x 6-ft	A	From Centroid-Le g	4.00 0.00 0.00	0.00	118.00	No Ice 1.43 1/2" Ice 1.92 1" Ice 2.29 2" Ice 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
(3) 2.4" Dia. x 6-ft	B	From Centroid-Le g	4.00 0.00 0.00	0.00	118.00	No Ice 1.43 1/2" Ice 1.92 1" Ice 2.29 2" Ice 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
(4) 2.4" Dia. x 6-ft	C	From Centroid-Le g	4.00 0.00 0.00	0.00	118.00	No Ice 1.43 1/2" Ice 1.92 1" Ice 2.29 2" Ice 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
L1.75xL1.75x.25 Face Reinforcement	A	From Centroid-Le g	4.00 0.00 0.00	0.00	118.00	No Ice 2.65 1/2" Ice 3.68 1" Ice 4.72 2" Ice 6.81	0.00 0.02 0.04 0.11	0.04 0.05 0.08 0.16
L1.75xL1.75x.25 Face Reinforcement	B	From Centroid-Le g	4.00 0.00 0.00	0.00	118.00	No Ice 2.65 1/2" Ice 3.68 1" Ice 4.72 2" Ice 6.81	0.00 0.02 0.04 0.11	0.04 0.05 0.08 0.16
L1.75xL1.75x.25 Face Reinforcement	C	From Centroid-Le g	4.00 0.00 0.00	0.00	118.00	No Ice 2.65 1/2" Ice 3.68 1" Ice 4.72 2" Ice 6.81	0.00 0.02 0.04 0.11	0.04 0.05 0.08 0.16

<i>tnxTower</i> <i>Tower Engineering Professionals</i> 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	CT Chester CAC 800515 (BU 800515)	Page	13 of 22
	Project	TEP No. 25608.537388	Date	17:59:46 05/07/21
	Client	Crown Castle	Designed by	PRS

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>		<i>C_{AA} Front ft²</i>	<i>C_{AA} Side ft²</i>	<i>Weight K</i>
Platform Mount [LP 602-1]	C	None		0.00	116.00	No Ice	31.07	31.07	1.34
						1/2" Ice	34.82	34.82	1.97
						1" Ice	38.48	38.48	2.67
						2" Ice	45.60	45.60	4.31
8-ft Ladder	C	From	2.00	0.00	116.00	No Ice	7.07	7.07	0.04
		Centroid-Le	0.00			1/2" Ice	9.73	9.73	0.07
		g	-2.00			1" Ice	11.19	11.19	0.08
						2" Ice	13.98	13.98	0.11

APXV18-206516S-C-A20 w/ Mount Pipe	A	From	4.00	0.00	106.00	No Ice	2.55	2.15	0.04
		Centroid-Le	0.00			1/2" Ice	2.96	2.55	0.07
		g	2.00			1" Ice	3.38	2.96	0.11
						2" Ice	4.26	3.83	0.21
APXV18-206516S-C-A20 w/ Mount Pipe	B	From	4.00	0.00	106.00	No Ice	2.55	2.15	0.04
		Centroid-Le	0.00			1/2" Ice	2.96	2.55	0.07
		g	2.00			1" Ice	3.38	2.96	0.11
						2" Ice	4.26	3.83	0.21
APXV18-206516S-C-A20 w/ Mount Pipe	C	From	4.00	0.00	106.00	No Ice	2.55	2.15	0.04
		Centroid-Le	0.00			1/2" Ice	2.96	2.55	0.07
		g	2.00			1" Ice	3.38	2.96	0.11
						2" Ice	4.26	3.83	0.21
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From	4.00	0.00	106.00	No Ice	14.69	6.87	0.19
		Centroid-Le	0.00			1/2" Ice	15.46	7.55	0.31
		g	2.00			1" Ice	16.23	8.25	0.46
						2" Ice	17.82	9.67	0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From	4.00	0.00	106.00	No Ice	14.69	6.87	0.19
		Centroid-Le	0.00			1/2" Ice	15.46	7.55	0.31
		g	2.00			1" Ice	16.23	8.25	0.46
						2" Ice	17.82	9.67	0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From	4.00	0.00	106.00	No Ice	14.69	6.87	0.19
		Centroid-Le	0.00			1/2" Ice	15.46	7.55	0.31
		g	2.00			1" Ice	16.23	8.25	0.46
						2" Ice	17.82	9.67	0.79
KRY 112 489/2	A	From	4.00	0.00	106.00	No Ice	0.56	0.37	0.02
		Centroid-Le	0.00			1/2" Ice	0.66	0.45	0.02
		g	2.00			1" Ice	0.76	0.54	0.03
						2" Ice	1.00	0.75	0.05
KRY 112 489/2	B	From	4.00	0.00	106.00	No Ice	0.56	0.37	0.02
		Centroid-Le	0.00			1/2" Ice	0.66	0.45	0.02
		g	2.00			1" Ice	0.76	0.54	0.03
						2" Ice	1.00	0.75	0.05
KRY 112 489/2	C	From	4.00	0.00	106.00	No Ice	0.56	0.37	0.02
		Centroid-Le	0.00			1/2" Ice	0.66	0.45	0.02
		g	2.00			1" Ice	0.76	0.54	0.03
						2" Ice	1.00	0.75	0.05
(2) KRY 112 144/1	A	From	4.00	0.00	106.00	No Ice	0.35	0.17	0.01
		Centroid-Le	0.00			1/2" Ice	0.43	0.23	0.01
		g	2.00			1" Ice	0.51	0.30	0.02
						2" Ice	0.70	0.46	0.03
KRY 112 144/1	B	From	4.00	0.00	106.00	No Ice	0.35	0.17	0.01
		Centroid-Le	0.00			1/2" Ice	0.43	0.23	0.01
		g	2.00			1" Ice	0.51	0.30	0.02
						2" Ice	0.70	0.46	0.03
RADIO 4449 B12/B71	A	From	4.00	0.00	106.00	No Ice	1.64	1.15	0.08
		Centroid-Le	0.00			1/2" Ice	1.80	1.29	0.09
		g	2.00			1" Ice	1.97	1.44	0.11
						2" Ice	2.33	1.75	0.16

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	Project	TEP No. 25608.537388	Date	17:59:46 05/07/21
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<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>	<i>C_{AA} Front ft²</i>	<i>C_{AA} Side ft²</i>	<i>Weight K</i>
RADIO 4449 B12/B71	B	From Centroid-Le g	4.00 0.00 2.00	0.00	106.00	No Ice 1.64 1/2" Ice 1.80 1" Ice 1.97 2" Ice 2.33	1.15 1.29 1.44 1.75	0.08 0.09 0.11 0.16
RADIO 4449 B12/B71	C	From Centroid-Le g	4.00 0.00 2.00	0.00	106.00	No Ice 1.64 1/2" Ice 1.80 1" Ice 1.97 2" Ice 2.33	1.15 1.29 1.44 1.75	0.08 0.09 0.11 0.16
(2) 2.4" Dia. x 6-ft	A	From Centroid-Le g	4.00 0.00 0.00	0.00	106.00	No Ice 1.43 1/2" Ice 1.92 1" Ice 2.29 2" Ice 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
(2) 2.4" Dia. x 6-ft	B	From Centroid-Le g	4.00 0.00 0.00	0.00	106.00	No Ice 1.43 1/2" Ice 1.92 1" Ice 2.29 2" Ice 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
(2) 2.4" Dia. x 6-ft	C	From Centroid-Le g	4.00 0.00 0.00	0.00	106.00	No Ice 1.43 1/2" Ice 1.92 1" Ice 2.29 2" Ice 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
L1.75xL1.75x.25 Face Reinforcement	A	From Centroid-Le g	4.00 0.00 0.00	0.00	106.00	No Ice 2.65 1/2" Ice 3.68 1" Ice 4.72 2" Ice 6.81	0.00 0.02 0.04 0.11	0.04 0.05 0.08 0.16
L1.75xL1.75x.25 Face Reinforcement	B	From Centroid-Le g	4.00 0.00 0.00	0.00	106.00	No Ice 2.65 1/2" Ice 3.68 1" Ice 4.72 2" Ice 6.81	0.00 0.02 0.04 0.11	0.04 0.05 0.08 0.16
L1.75xL1.75x.25 Face Reinforcement	C	From Centroid-Le g	4.00 0.00 0.00	0.00	106.00	No Ice 2.65 1/2" Ice 3.68 1" Ice 4.72 2" Ice 6.81	0.00 0.02 0.04 0.11	0.04 0.05 0.08 0.16
8-ft Ladder	C	From Centroid-Le g	2.00 0.00 -2.00	0.00	106.00	No Ice 7.07 1/2" Ice 9.73 1" Ice 11.19 2" Ice 13.98	7.07 9.73 11.19 13.98	0.04 0.07 0.08 0.11
Platform Mount [LP 713-1]	C	None		0.00	106.00	No Ice 32.89 1/2" Ice 35.76 1" Ice 38.76 2" Ice 45.26	32.89 35.76 38.76 45.26	1.51 2.23 3.03 4.86

RDIDC-9181-PF-48	A	From Centroid-Le g	4.00 0.00 0.00	0.00	93.00	No Ice 2.01 1/2" Ice 2.19 1" Ice 2.37 2" Ice 2.76	1.17 1.31 1.46 1.78	0.02 0.04 0.06 0.11
TA08025-B604	A	From Centroid-Le g	4.00 0.00 0.00	0.00	93.00	No Ice 1.96 1/2" Ice 2.14 1" Ice 2.32 2" Ice 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B604	B	From Centroid-Le g	4.00 0.00 0.00	0.00	93.00	No Ice 1.96 1/2" Ice 2.14 1" Ice 2.32 2" Ice 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15
TA08025-B604	C	From Centroid-Le g	4.00 0.00 0.00	0.00	93.00	No Ice 1.96 1/2" Ice 2.14 1" Ice 2.32 2" Ice 2.71	0.98 1.11 1.25 1.55	0.06 0.08 0.10 0.15

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	Project	TEP No. 25608.537388	Date	17:59:46 05/07/21
	Client	Crown Castle	Designed by	PRS

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>	<i>C_{AA} Front ft²</i>	<i>C_{AA} Side ft²</i>	<i>Weight K</i>
TA08025-B605	A	From Centroid-Le g	4.00 0.00 0.00	0.00	93.00	No Ice 1.96 1/2" Ice 2.14 1" Ice 2.32 2" Ice 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B605	B	From Centroid-Le g	4.00 0.00 0.00	0.00	93.00	No Ice 1.96 1/2" Ice 2.14 1" Ice 2.32 2" Ice 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
TA08025-B605	C	From Centroid-Le g	4.00 0.00 0.00	0.00	93.00	No Ice 1.96 1/2" Ice 2.14 1" Ice 2.32 2" Ice 2.71	1.13 1.27 1.41 1.72	0.08 0.09 0.11 0.16
MX08FRO665-20 w/ Mount Pipe	A	From Centroid-Le g	4.00 0.00 0.00	0.00	93.00	No Ice 8.01 1/2" Ice 8.52 1" Ice 9.04 2" Ice 10.11	4.23 4.69 5.16 6.12	0.10 0.18 0.28 0.51
MX08FRO665-20 w/ Mount Pipe	B	From Centroid-Le g	4.00 0.00 0.00	0.00	93.00	No Ice 8.01 1/2" Ice 8.52 1" Ice 9.04 2" Ice 10.11	4.23 4.69 5.16 6.12	0.10 0.18 0.28 0.51
MX08FRO665-20 w/ Mount Pipe	C	From Centroid-Le g	4.00 0.00 0.00	0.00	93.00	No Ice 8.01 1/2" Ice 8.52 1" Ice 9.04 2" Ice 10.11	4.23 4.69 5.16 6.12	0.10 0.18 0.28 0.51
Commscope MC-PK8-DSH	C	None		0.00	93.00	No Ice 26.80 1/2" Ice 32.20 1" Ice 37.60 2" Ice 48.40	26.80 32.20 37.60 48.40	1.51 1.81 2.11 2.72
(2) 2.4" Dia. x 6-ft	A	From Centroid-Le g	4.00 0.00 0.00	0.00	93.00	No Ice 1.43 1/2" Ice 1.92 1" Ice 2.29 2" Ice 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
(2) 2.4" Dia. x 6-ft	B	From Centroid-Le g	4.00 0.00 0.00	0.00	93.00	No Ice 1.43 1/2" Ice 1.92 1" Ice 2.29 2" Ice 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
(2) 2.4" Dia. x 6-ft	C	From Centroid-Le g	4.00 0.00 0.00	0.00	93.00	No Ice 1.43 1/2" Ice 1.92 1" Ice 2.29 2" Ice 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
*** GPS_A	C	From Leg	2.00 0.00 0.00	0.00	75.00	No Ice 0.12 1/2" Ice 0.21 1" Ice 0.28 2" Ice 0.44	0.12 0.21 0.28 0.44	0.00 0.00 0.01 0.02
Side Arm Mount [SO 701-1]	C	None		0.00	75.00	No Ice 0.85 1/2" Ice 1.14 1" Ice 1.43 2" Ice 2.01	1.67 2.34 3.01 4.35	0.07 0.08 0.09 0.12

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Dishes

<i>Description</i>	<i>Face or Leg</i>	<i>Dish Type</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert</i>	<i>Azimuth Adjustment</i>	<i>3 dB Beam Width</i>	<i>Elevation</i>	<i>Outside Diameter</i>	<i>Aperture Area</i>	<i>Weight</i>
				<i>ft</i>	<i>°</i>	<i>°</i>	<i>ft</i>	<i>ft</i>	<i>ft²</i>	<i>K</i>
*										

Load Combinations

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

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<i>Comb. No.</i>	<i>Description</i>
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

<i>Section No.</i>	<i>Elevation ft</i>	<i>Component Type</i>	<i>Condition</i>	<i>Gov. Load Comb.</i>	<i>Axial K</i>	<i>Major Axis Moment kip-ft</i>	<i>Minor Axis Moment kip-ft</i>
L1	150 - 122.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.40	-0.00	-0.01
			Max. Mx	20	-13.23	282.10	1.39
			Max. My	14	-13.21	-1.30	-283.75
			Max. Vy	20	-19.19	282.10	1.39
			Max. Vx	14	19.36	-1.30	-283.75
L2	122.92 - 84.26	Pole	Max. Torque	12			-1.09
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.49	0.04	0.88
			Max. Mx	20	-29.00	1201.68	7.57
			Max. My	2	-28.98	7.85	1209.05
			Max. Vy	20	-31.37	1201.68	7.57
L3	84.26 - 41.55	Pole	Max. Vx	2	-31.55	7.85	1209.05
			Max. Torque	12			-2.14
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-81.08	-0.52	1.34
			Max. Mx	20	-42.88	2575.78	14.50
			Max. My	2	-42.87	14.71	2590.91
L4	41.55 - 0	Pole	Max. Vy	20	-35.10	2575.78	14.50
			Max. Vx	2	-35.28	14.71	2590.91
			Max. Torque	24			2.08
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-108.32	-1.45	2.06
			Max. Mx	20	-65.28	4374.81	22.47
			Max. My	2	-65.28	22.50	4398.90
			Max. Vy	20	-39.10	4374.81	22.47
			Max. Vx	2	-39.28	22.50	4398.90
			Max. Torque	24			2.08

Maximum Reactions

<i>Location</i>	<i>Condition</i>	<i>Gov. Load Comb.</i>	<i>Vertical K</i>	<i>Horizontal, X K</i>	<i>Horizontal, Z K</i>
Pole	Max. Vert	27	108.32	0.02	8.97
	Max. H _x	20	65.30	39.07	0.16
	Max. H _z	2	65.30	0.16	39.24
	Max. M _x	2	4398.90	0.16	39.24
	Max. M _z	8	4374.37	-39.07	-0.16
	Max. Torsion	24	2.08	19.67	34.07
	Min. Vert	7	48.97	-33.75	19.48
	Min. H _x	8	65.30	-39.07	-0.16
	Min. H _z	14	65.30	-0.16	-39.24
	Min. M _x	14	-4398.53	-0.16	-39.24
	Min. M _z	20	-4374.81	39.07	0.16
	Min. Torsion	12	-2.08	-19.67	-34.07

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<i>Location</i>	<i>Condition</i>	<i>Gov. Load Comb.</i>	<i>Vertical K</i>	<i>Horizontal, X K</i>	<i>Horizontal, Z K</i>
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Tower Mast Reaction Summary

<i>Load Combination</i>	<i>Vertical K</i>	<i>Shear_x K</i>	<i>Shear_z K</i>	<i>Overturning Moment, M_x kip-ft</i>	<i>Overturning Moment, M_z kip-ft</i>	<i>Torque kip-ft</i>
Dead Only	54.42	0.00	0.00	-0.15	0.17	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	65.30	-0.16	-39.24	-4398.90	22.50	-2.01
0.9 Dead+1.0 Wind 0 deg - No Ice	48.97	-0.16	-39.24	-4359.44	22.22	-2.00
1.2 Dead+1.0 Wind 30 deg - No Ice	65.30	19.39	-33.91	-3798.49	-2167.79	-1.42
0.9 Dead+1.0 Wind 30 deg - No Ice	48.97	19.39	-33.91	-3764.41	-2148.44	-1.42
1.2 Dead+1.0 Wind 60 deg - No Ice	65.30	33.75	-19.48	-2180.28	-3777.18	-0.46
0.9 Dead+1.0 Wind 60 deg - No Ice	48.97	33.75	-19.48	-2160.71	-3743.41	-0.46
1.2 Dead+1.0 Wind 90 deg - No Ice	65.30	39.07	0.16	22.10	-4374.37	0.62
0.9 Dead+1.0 Wind 90 deg - No Ice	48.97	39.07	0.16	21.93	-4335.25	0.62
1.2 Dead+1.0 Wind 120 deg - No Ice	65.30	33.91	19.76	2218.47	-3799.40	1.55
0.9 Dead+1.0 Wind 120 deg - No Ice	48.97	33.91	19.76	2198.62	-3765.41	1.54
1.2 Dead+1.0 Wind 150 deg - No Ice	65.30	19.67	34.07	3820.34	-2206.35	2.08
0.9 Dead+1.0 Wind 150 deg - No Ice	48.97	19.67	34.07	3786.14	-2186.63	2.07
1.2 Dead+1.0 Wind 180 deg - No Ice	65.30	0.16	39.24	4398.53	-22.08	2.05
0.9 Dead+1.0 Wind 180 deg - No Ice	48.97	0.16	39.24	4359.17	-21.92	2.04
1.2 Dead+1.0 Wind 210 deg - No Ice	65.30	-19.39	33.91	3798.13	2168.22	1.46
0.9 Dead+1.0 Wind 210 deg - No Ice	48.97	-19.39	33.91	3764.15	2148.75	1.45
1.2 Dead+1.0 Wind 240 deg - No Ice	65.30	-33.75	19.48	2179.92	3777.62	0.46
0.9 Dead+1.0 Wind 240 deg - No Ice	48.97	-33.75	19.48	2160.44	3743.73	0.46
1.2 Dead+1.0 Wind 270 deg - No Ice	65.30	-39.07	-0.16	-22.47	4374.81	-0.66
0.9 Dead+1.0 Wind 270 deg - No Ice	48.97	-39.07	-0.16	-22.21	4335.57	-0.65
1.2 Dead+1.0 Wind 300 deg - No Ice	65.30	-33.91	-19.76	-2218.85	3799.83	-1.59
0.9 Dead+1.0 Wind 300 deg - No Ice	48.97	-33.91	-19.76	-2198.91	3765.73	-1.58
1.2 Dead+1.0 Wind 330 deg - No Ice	65.30	-19.67	-34.07	-3820.72	2206.77	-2.08
0.9 Dead+1.0 Wind 330 deg - No Ice	48.97	-19.67	-34.07	-3786.43	2186.94	-2.07
1.2 Dead+1.0 Ice+1.0 Temp	108.32	0.00	0.00	-2.06	-1.45	0.00
1.2 Dead+1.0 Wind 0 deg+1.0	108.32	-0.02	-8.97	-1022.98	0.95	-0.65

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Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 30 deg+1.0	108.32	4.46	-7.76	-885.00	-508.41	-0.45
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 60 deg+1.0	108.32	7.74	-4.47	-510.48	-881.94	-0.12
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 90 deg+1.0	108.32	8.95	0.02	0.23	-1019.56	0.23
Ice+1.0 Temp						
1.2 Dead+1.0 Wind 120	108.32	7.76	4.50	510.27	-884.39	0.53
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 150	108.32	4.49	7.78	882.99	-512.66	0.68
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180	108.32	0.02	8.97	1018.52	-3.97	0.65
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 210	108.32	-4.46	7.76	880.54	505.38	0.45
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 240	108.32	-7.74	4.47	506.02	878.92	0.12
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 270	108.32	-8.95	-0.02	-4.69	1016.54	-0.23
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300	108.32	-7.76	-4.50	-514.74	881.37	-0.53
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	108.32	-4.49	-7.78	-887.46	509.64	-0.68
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	54.42	-0.03	-7.88	-878.52	4.63	-0.40
Dead+Wind 30 deg - Service	54.42	3.89	-6.81	-758.62	-432.74	-0.29
Dead+Wind 60 deg - Service	54.42	6.77	-3.91	-435.49	-754.11	-0.09
Dead+Wind 90 deg - Service	54.42	7.84	0.03	4.29	-873.36	0.13
Dead+Wind 120 deg - Service	54.42	6.81	3.97	442.88	-758.55	0.31
Dead+Wind 150 deg - Service	54.42	3.95	6.84	762.76	-440.44	0.41
Dead+Wind 180 deg - Service	54.42	0.03	7.88	878.22	-4.26	0.41
Dead+Wind 210 deg - Service	54.42	-3.89	6.81	758.31	433.10	0.29
Dead+Wind 240 deg - Service	54.42	-6.77	3.91	435.18	754.47	0.09
Dead+Wind 270 deg - Service	54.42	-7.84	-0.03	-4.60	873.73	-0.13
Dead+Wind 300 deg - Service	54.42	-6.81	-3.97	-443.19	758.92	-0.31
Dead+Wind 330 deg - Service	54.42	-3.95	-6.84	-763.06	440.80	-0.41

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	-54.42	0.00	0.00	54.42	0.00	0.000%
2	-0.16	-65.30	-39.24	0.16	65.30	39.24	0.000%
3	-0.16	-48.97	-39.24	0.16	48.97	39.24	0.000%
4	19.39	-65.30	-33.91	-19.39	65.30	33.91	0.000%
5	19.39	-48.97	-33.91	-19.39	48.97	33.91	0.000%
6	33.75	-65.30	-19.48	-33.75	65.30	19.48	0.000%
7	33.75	-48.97	-19.48	-33.75	48.97	19.48	0.000%
8	39.07	-65.30	0.16	-39.07	65.30	-0.16	0.000%
9	39.07	-48.97	0.16	-39.07	48.97	-0.16	0.000%
10	33.91	-65.30	19.76	-33.91	65.30	-19.76	0.000%
11	33.91	-48.97	19.76	-33.91	48.97	-19.76	0.000%
12	19.67	-65.30	34.07	-19.67	65.30	-34.07	0.000%
13	19.67	-48.97	34.07	-19.67	48.97	-34.07	0.000%
14	0.16	-65.30	39.24	-0.16	65.30	-39.24	0.000%
15	0.16	-48.97	39.24	-0.16	48.97	-39.24	0.000%
16	-19.39	-65.30	33.91	19.39	65.30	-33.91	0.000%
17	-19.39	-48.97	33.91	19.39	48.97	-33.91	0.000%

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Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
18	-33.75	-65.30	19.48	33.75	65.30	-19.48	0.000%
19	-33.75	-48.97	19.48	33.75	48.97	-19.48	0.000%
20	-39.07	-65.30	-0.16	39.07	65.30	0.16	0.000%
21	-39.07	-48.97	-0.16	39.07	48.97	0.16	0.000%
22	-33.91	-65.30	-19.76	33.91	65.30	19.76	0.000%
23	-33.91	-48.97	-19.76	33.91	48.97	19.76	0.000%
24	-19.67	-65.30	-34.07	19.67	65.30	34.07	0.000%
25	-19.67	-48.97	-34.07	19.67	48.97	34.07	0.000%
26	0.00	-108.32	0.00	0.00	108.32	0.00	0.000%
27	-0.02	-108.32	-8.97	0.02	108.32	8.97	0.000%
28	4.46	-108.32	-7.76	-4.46	108.32	7.76	0.000%
29	7.74	-108.32	-4.47	-7.74	108.32	4.47	0.000%
30	8.95	-108.32	0.02	-8.95	108.32	-0.02	0.000%
31	7.76	-108.32	4.50	-7.76	108.32	-4.50	0.000%
32	4.49	-108.32	7.78	-4.49	108.32	-7.78	0.000%
33	0.02	-108.32	8.97	-0.02	108.32	-8.97	0.000%
34	-4.46	-108.32	7.76	4.46	108.32	-7.76	0.000%
35	-7.74	-108.32	4.47	7.74	108.32	-4.47	0.000%
36	-8.95	-108.32	-0.02	8.95	108.32	0.02	0.000%
37	-7.76	-108.32	-4.50	7.76	108.32	4.50	0.000%
38	-4.49	-108.32	-7.78	4.49	108.32	7.78	0.000%
39	-0.03	-54.42	-7.88	0.03	54.42	7.88	0.000%
40	3.89	-54.42	-6.81	-3.89	54.42	6.81	0.000%
41	6.77	-54.42	-3.91	-6.77	54.42	3.91	0.000%
42	7.84	-54.42	0.03	-7.84	54.42	-0.03	0.000%
43	6.81	-54.42	3.97	-6.81	54.42	-3.97	0.000%
44	3.95	-54.42	6.84	-3.95	54.42	-6.84	0.000%
45	0.03	-54.42	7.88	-0.03	54.42	-7.88	0.000%
46	-3.89	-54.42	6.81	3.89	54.42	-6.81	0.000%
47	-6.77	-54.42	3.91	6.77	54.42	-3.91	0.000%
48	-7.84	-54.42	-0.03	7.84	54.42	0.03	0.000%
49	-6.81	-54.42	-3.97	6.81	54.42	3.97	0.000%
50	-3.95	-54.42	-6.84	3.95	54.42	6.84	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00085419
3	Yes	4	0.00000001	0.00054571
4	Yes	5	0.00000001	0.00048068
5	Yes	5	0.00000001	0.00021740
6	Yes	5	0.00000001	0.00049313
7	Yes	5	0.00000001	0.00022367
8	Yes	4	0.00000001	0.00044354
9	Yes	4	0.00000001	0.00027501
10	Yes	5	0.00000001	0.00051736
11	Yes	5	0.00000001	0.00023431
12	Yes	5	0.00000001	0.00048833
13	Yes	5	0.00000001	0.00021991
14	Yes	4	0.00000001	0.00056710
15	Yes	4	0.00000001	0.00036074
16	Yes	5	0.00000001	0.00050340
17	Yes	5	0.00000001	0.00022849
18	Yes	5	0.00000001	0.00048826

<i>tnxTower</i> <i>Tower Engineering Professionals</i> 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	CT Chester CAC 800515 (BU 800515)	Page	21 of 22
	Project	TEP No. 25608.537388	Date	17:59:46 05/07/21
	Client	Crown Castle	Designed by	PRS

19	Yes	5	0.00000001	0.00022117
20	Yes	4	0.00000001	0.00020609
21	Yes	4	0.00000001	0.00011008
22	Yes	5	0.00000001	0.00049127
23	Yes	5	0.00000001	0.00022142
24	Yes	5	0.00000001	0.00052302
25	Yes	5	0.00000001	0.00023688
26	Yes	4	0.00000001	0.00000001
27	Yes	5	0.00000001	0.00021556
28	Yes	5	0.00000001	0.00024950
29	Yes	5	0.00000001	0.00025027
30	Yes	5	0.00000001	0.00021405
31	Yes	5	0.00000001	0.00025241
32	Yes	5	0.00000001	0.00024974
33	Yes	5	0.00000001	0.00021449
34	Yes	5	0.00000001	0.00025016
35	Yes	5	0.00000001	0.00024843
36	Yes	5	0.00000001	0.00021375
37	Yes	5	0.00000001	0.00025043
38	Yes	5	0.00000001	0.00025411
39	Yes	4	0.00000001	0.00004191
40	Yes	4	0.00000001	0.00011745
41	Yes	4	0.00000001	0.00012691
42	Yes	4	0.00000001	0.00002967
43	Yes	4	0.00000001	0.00014134
44	Yes	4	0.00000001	0.00011887
45	Yes	4	0.00000001	0.00003991
46	Yes	4	0.00000001	0.00013571
47	Yes	4	0.00000001	0.00012305
48	Yes	4	0.00000001	0.00002867
49	Yes	4	0.00000001	0.00012074
50	Yes	4	0.00000001	0.00014642

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	150 - 122.92 (1)	TP28.83x21x0.1875	27.08	0.00	0.0	16.3283	-13.20	955.21	0.014
L2	122.92 - 84.26 (2)	TP39.51x27.2493x0.375	42.83	0.00	0.0	44.7064	-28.97	2615.33	0.011
L3	84.26 - 41.55 (3)	TP50.99x37.1855x0.4375	48.21	0.00	0.0	67.4509	-42.87	3945.88	0.011
L4	41.55 - 0 (4)	TP62x48.1364x0.5	48.46	0.00	0.0	97.6005	-65.28	5709.63	0.011

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 $\frac{M_{uy}}{\phi M_{ny}}$
-------------	-----------------	------	---------------------------	----------------------------	---------------------------------------	---------------------------	----------------------------	---------------------------------------

tnxTower Tower Engineering Professionals 326 Tryon Road Raleigh, NC 27603 Phone: (919) 661-6351 FAX: (919) 661-6350	Job	CT Chester CAC 800515 (BU 800515)	Page	22 of 22
	Project	TEP No. 25608.537388	Date	17:59:46 05/07/21
	Client	Crown Castle	Designed by	PRS

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	150 - 122.92 (1)	TP28.83x21x0.1875	284.48	597.04	0.476	0.00	597.04	0.000
L2	122.92 - 84.26 (2)	TP39.51x27.2493x0.375	1213.80	2527.26	0.480	0.00	2527.26	0.000
L3	84.26 - 41.55 (3)	TP50.99x37.1855x0.4375	2599.67	4799.61	0.542	0.00	4799.61	0.000
L4	41.55 - 0 (4)	TP62x48.1364x0.5	4412.23	8525.50	0.518	0.00	8525.50	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	150 - 122.92 (1)	TP28.83x21x0.1875	19.44	286.56	0.068	1.09	688.54	0.002
L2	122.92 - 84.26 (2)	TP39.51x27.2493x0.375	31.65	784.60	0.040	2.06	2580.82	0.001
L3	84.26 - 41.55 (3)	TP50.99x37.1855x0.4375	35.38	1183.76	0.030	2.08	5035.56	0.000
L4	41.55 - 0 (4)	TP62x48.1364x0.5	39.37	1712.89	0.023	2.08	9225.42	0.000

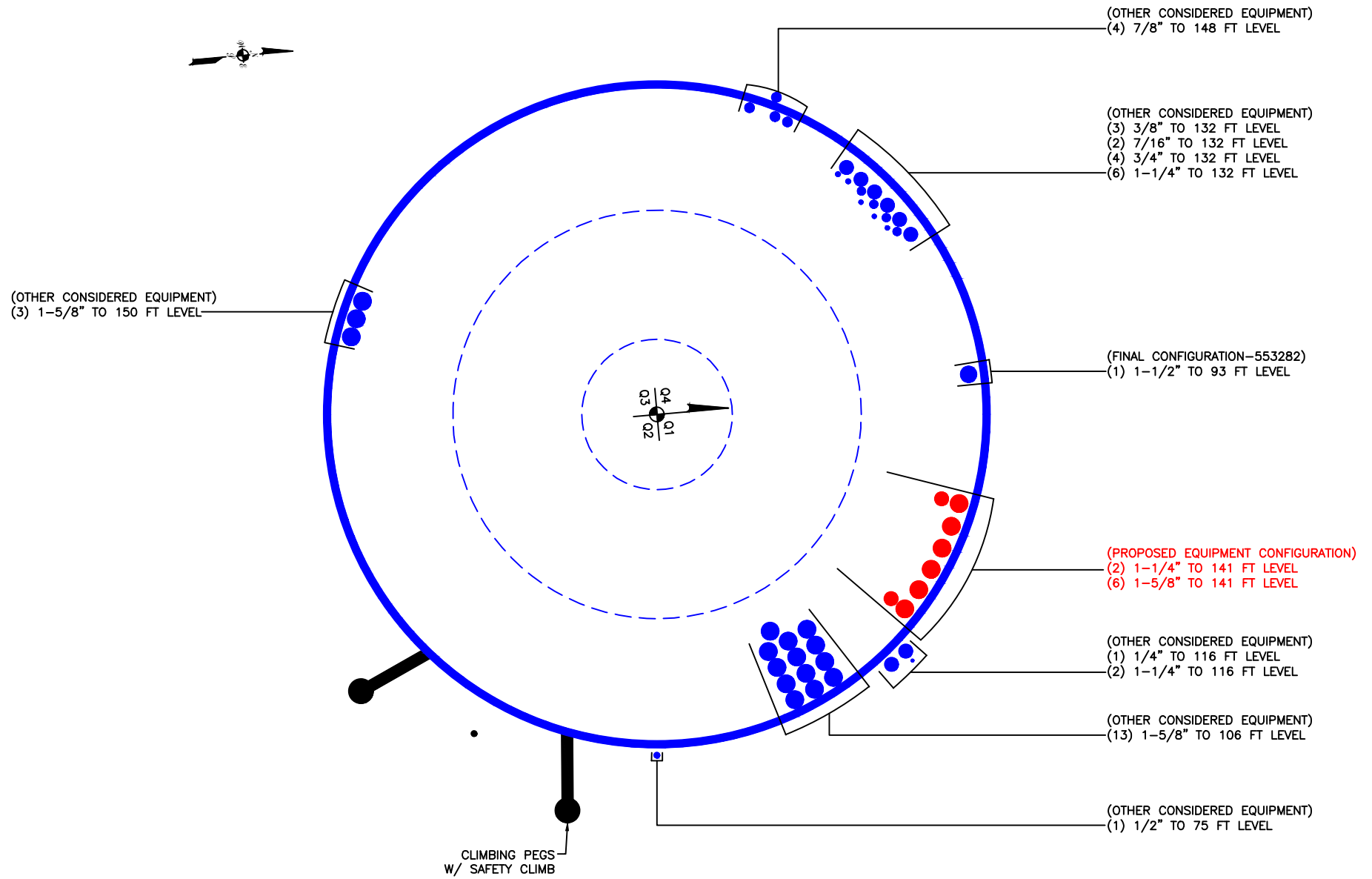
Pole Interaction Design Data

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	150 - 122.92 (1)	0.014	0.476	0.000	0.068	0.002	0.495	1.050	4.8.2
L2	122.92 - 84.26 (2)	0.011	0.480	0.000	0.040	0.001	0.493	1.050	4.8.2
L3	84.26 - 41.55 (3)	0.011	0.542	0.000	0.030	0.000	0.553	1.050	4.8.2
L4	41.55 - 0 (4)	0.011	0.518	0.000	0.023	0.000	0.530	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	150 - 122.92	Pole	TP28.83x21x0.1875	1	-13.20	1002.97	47.2	Pass
L2	122.92 - 84.26	Pole	TP39.51x27.2493x0.375	2	-28.97	2746.10	47.0	Pass
L3	84.26 - 41.55	Pole	TP50.99x37.1855x0.4375	3	-42.87	4143.17	52.7	Pass
L4	41.55 - 0	Pole	TP62x48.1364x0.5	4	-65.28	5995.11	50.4	Pass
Summary								
Pole (L3)							52.7	Pass
RATING =							52.7	Pass

APPENDIX B
BASE LEVEL DRAWING



APPENDIX C

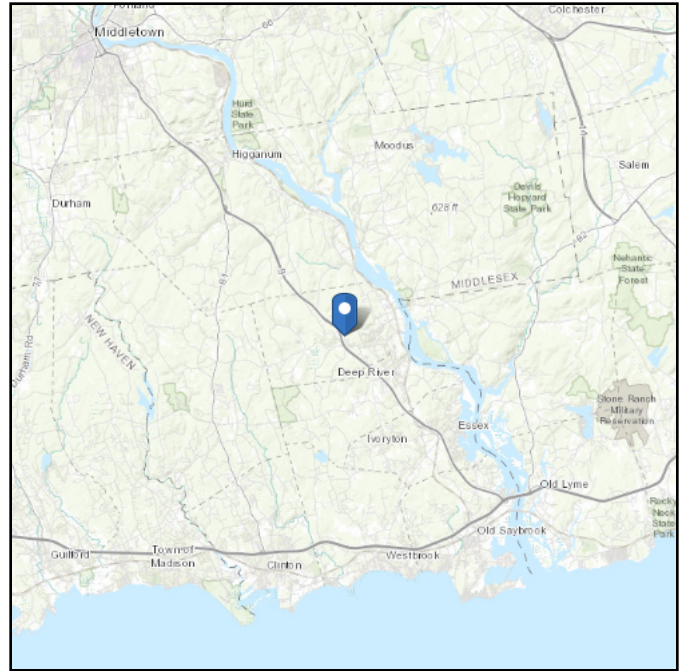
ADDITIONAL CALCULATIONS

ASCE 7 Hazards Report

Address:
No Address at This
Location

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

Elevation: 356.21 ft (NAVD 88)
Latitude: 41.403869
Longitude: -72.47245



Wind

Results:

Wind Speed:	129 Vmph	Jurisdiction requires 130 Vmph
10-year MRI	78 Vmph	
25-year MRI	88 Vmph	
50-year MRI	96 Vmph	
100-year MRI	105 Vmph	

Data Sources: 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).

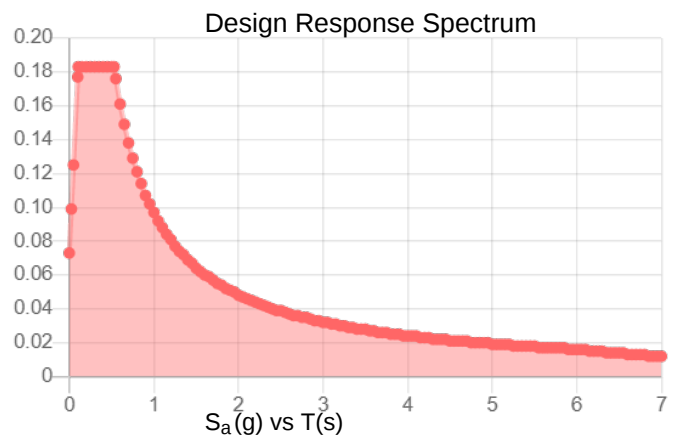
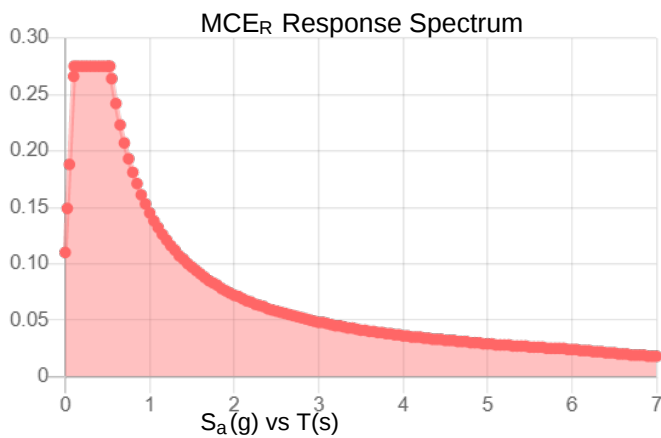
Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class: D - Stiff Soil

Results:

S_S :	0.172	S_{DS} :	0.183
S_1 :	0.06	S_{D1} :	0.097
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.087
S_{MS} :	0.275	PGA_M :	0.139
S_{M1} :	0.145	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Fri Apr 30 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: 15 F

Gust Speed: 50 mph

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

Date Accessed: Fri Apr 30 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.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.

Monopole Base Plate Connection

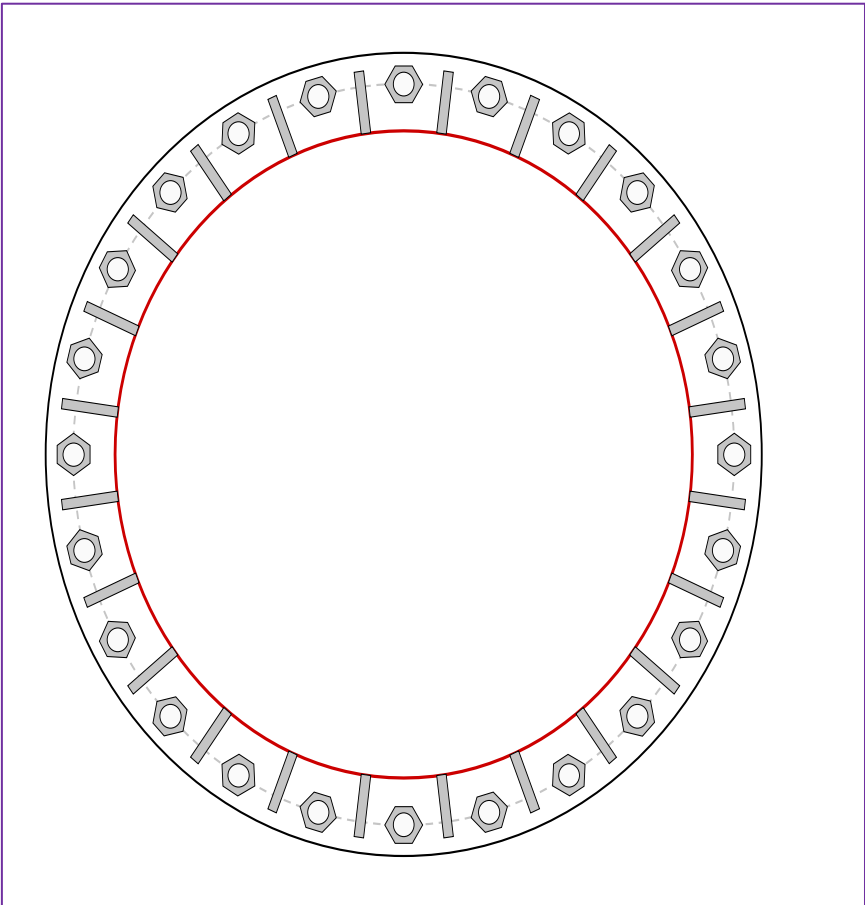


Site Info	
BU #	800515
Site Name	CT Chester CAC
Order #	552629 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	0.75

Applied Loads	
Moment (kip-ft)	4412.00
Axial Force (kips)	65.00
Shear Force (kips)	39.00

*TIA-222-H Section 15.5 Applied



Connection Properties		Analysis Results	
Anchor Rod Data		Anchor Rod Summary <i>(units of kips, kip-in)</i>	
(24) 2-1/4" $\varnothing$ bolts (A615-75 N; F_y =75 ksi, F_u =100 ksi) on 71" BC		P_{u_t} = 121.52	ϕP_{n_t} = 243.75 Stress Rating
		V_u = 1.63	ϕV_n = 149.1 47.5%
		M_u = n/a	ϕM_n = n/a Pass
Base Plate Data		Base Plate Summary	
77" OD x 2.25" Plate (A572-60; F_y =60 ksi, F_u =75 ksi)		Max Stress (ksi):	19.65 (Roark's Flexural)
		Allowable Stress (ksi):	54
		Stress Rating:	34.7% Pass
Stiffener Data		Stiffener Summary	
(24) 16"H x 6"W x 1"T, Notch: 1"		Horizontal Weld:	28.2% Pass
plate: F_y = 65 ksi ; weld: F_y = 70 ksi		Vertical Weld:	26.4% Pass
horiz. weld: 0.5" groove, 45° dbl bevelFALSE		Plate Flexure+Shear:	7.0% Pass
vert. weld: 0.5" fillet		Plate Tension+Shear:	27.3% Pass
		Plate Compression:	29.3% Pass
Pole Data		Pole Summary	
62" x 0.5" 18-sided pole (A572-65; F_y =65 ksi, F_u =80 ksi)		Punching Shear:	7.9% Pass

Pier and Pad Foundation



BU #: 800515
 Site Name: CT Chester CAC
 App. Number: 552629 Rev. 0

TIA-222 Revision: H
 Tower Type: Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp} :	65	kips
Base Shear, Vu_{comp} :	39	kips
Moment, M_u :	4412	ft-kips
Tower Height, H :	150	ft
BP Dist. Above Fdn, bp_{dist} :	6	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, $dpier$:	7.6	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, Sc :	8	
Pier Rebar Quantity, mc :	51	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	8	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

Pad Properties		
Depth, D :	5.17	ft
Pad Width, W_1 :	28	ft
Pad Thickness, T :	3	ft
Pad Rebar Size (Top dir.2), Sp_{top2} :	8	
Pad Rebar Quantity (Top dir. 2), mp_{top2} :	24	
Pad Rebar Size (Bottom dir. 2), Sp_2 :	8	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	49	
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 :	165	pcf
Ultimate Net Bearing, Q_{net} :	40.000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	30	degrees
SPT Blow Count, N_{blows} :		
Base Friction, μ :		
Neglected Depth, N :	3.75	ft
Foundation Bearing on Rock?	Yes	
Groundwater Depth, gw :	N/A	ft

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	235.26	39.00	15.8%	Pass
Bearing Pressure (ksf)	30.64	2.94	9.6%	Pass
Overturning (kip*ft)	8409.34	4652.63	55.3%	Pass
Pier Flexure (Comp.) (kip*ft)	7181.79	4516.13	59.9%	Pass
Pier Compression (kip)	28873.66	86.80	0.3%	Pass
Pad Flexure (kip*ft)	5310.07	1673.55	30.0%	Pass
Pad Shear - 1-way (kips)	1004.09	234.13	22.2%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.190	0.040	20.0%	Pass
Flexural 2-way (Comp) (kip*ft)	4684.76	2709.68	55.1%	Pass

*Rating per TIA-222-H Section 15.5

Soil Rating*:	55.3%
Structural Rating*:	59.9%

<--Toggle between Gross and Net

Exhibit E

Mount Analysis



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

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10046623
Maser Consulting Connecticut Project #: 21777309A

April 21, 2021

Site Information

Site ID: 468393-VZW / CHESTER CT
Site Name: CHESTER CT
Carrier Name: Verizon Wireless
Address: 49 Wig Hill Rd
Chester, Connecticut 06412
Middlesex County
Latitude: 41.403869°
Longitude: -72.472450°

Structure Information

Tower Type: Monopole
Mount Type: 10.33-Ft Platform

FUZE ID # 16272046

Analysis Results

Platform: 82.5% Pass

*****Contractor PMI Requirements:**

Included at the end of this MA report

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

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings



Digitally signed by Taqi Khawaja-Ghulam
Date: 2021.04.22 10:10:13-04'00'

Report Prepared By: Andy Hanes

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
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS, Site ID: 323585, dated March 3, 2021</i>
<i>Mount Mapping Report</i>	<i>Roaming Network Inc., Site ID: 468393, dated March 26, 2021</i>

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 123 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.987
Seismic Parameters:	S_s : 0.212 S_1 : 0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
139.00	141.00	3	Samsung	MT6407-77A	Added
		6	Antel	LPA-80080/4CF	Retained
		6	JMA Wireless	MX0FRO660-03	
		2	Raycap	RHSDC-3315-PF-48*	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	

* Equipment is flush mounted directly to the Monopole. They are not mounted on platform mount and are not included in this mount analysis.

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation and field observations. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Connection	57.5%	Pass
Standoff Channel	25.0%	Pass
Face Horizontal	20.0%	Pass
Face Bracing	72.0%	Pass
Handrail	60.0%	Pass
Mount Pipe	35.0%	Pass
Dual MP Threaded Rods	82.5%	Pass
Ladder	9.0%	Pass

Structure Rating – (Controlling Utilization of all Components)	82.5%
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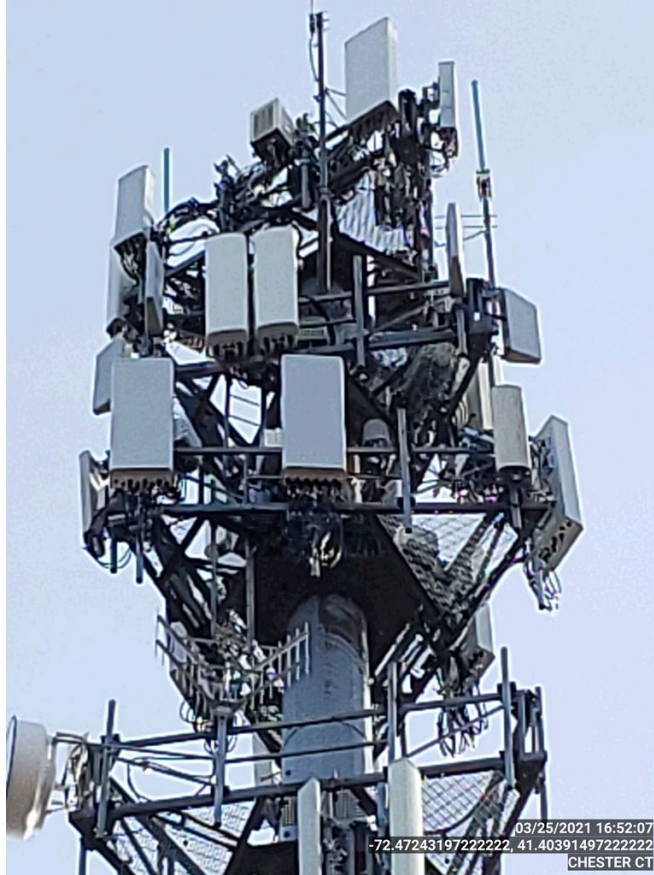
Recommendation:

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

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

Attachments:

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



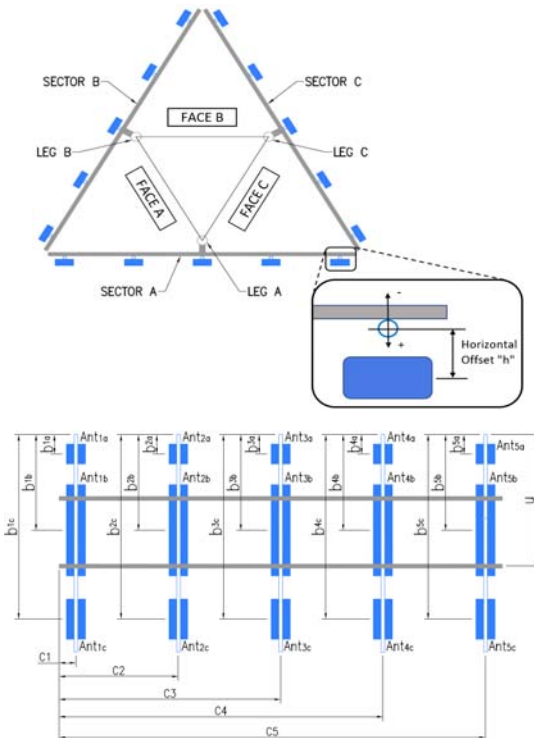
Antenna Mount Mapping Form (PATENT PENDING)

1234391

Tower Owner:	Crown Castle	Mapping Date:	3/26/2021
Site Name:	CHESTER CT	Tower Type:	Monopole
Site Number or ID:	468393	Tower Height (Ft.):	N/A
Mapping Contractor:	Roaming Networks Inc.	Mount Elevation (Ft.):	146

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.

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "U"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.375"Ø X 0.17" X 80" LONG	56.00	6.00	C1	PIPE 2.375"Ø X 0.17" X 80" LONG	56.00	6.00
A2	PIPE 2.375"Ø X 0.17" X 80" LONG	54.00	41.00	C2	PIPE 2.375"Ø X 0.17" X 80" LONG	54.00	41.00
A3	PIPE 2.375"Ø X 0.17" X 80" LONG	56.00	77.00	C3	PIPE 2.375"Ø X 0.17" X 80" LONG	56.00	77.00
A4	PIPE 2.375"Ø X 0.17" X 80" LONG	56.00	112.00	C4	PIPE 2.375"Ø X 0.17" X 80" LONG	56.00	112.00
A5				C5			
A6				C6			
B1	PIPE 2.375"Ø X 0.17" X 80" LONG	56.00	6.00	D1			
B2	PIPE 2.375"Ø X 0.17" X 80" LONG	54.00	41.00	D2			
B3	PIPE 2.375"Ø X 0.17" X 80" LONG	56.00	77.00	D3			
B4	PIPE 2.375"Ø X 0.17" X 80" LONG	56.00	112.00	D4			
B5				D5			
B6				D6			
Distance between bottom rail and bottom CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							3.7
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							3.7
Please enter additional information or comments below.							
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):					23



Antenna Layout (Looking Out From Tower)

[illegible]

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector				Sector B																					
Sector A:	23.00	Deg	Leg A:		Deg			Ant _{1a}	LPA-80080/4CF E-DIN	5.50	13.20	47.20		148.333	28.00	12.00	159.00	237											
Sector B:	143.00	Deg	Leg B:		Deg			Ant _{1b}																					
Sector C:	263.00	Deg	Leg C:		Deg			Ant _{1c}																					
Sector D:		Deg	Leg D:		Deg			Ant _{2a}																					
								Ant _{2b}																					
								Ant _{2c}																					
Climbing Facility Information								Ant _{3a}	(2) MX06FRO660-03	15.40	10.70	71.30		147.583	37.00	12.00	159.00	238											
Climbing Facility	Location:			Sector B				Ant _{3b}																					
	Corrosion Type:			Good condition.				Ant _{3c}																					
	Access:			Climbing path was obstructed.				Ant _{4a}	LPA-80080/4CF E-DIN	5.50	13.20	47.20		148.417	27.00	12.00	159.00	239											
								Ant _{4b}																					
								Ant _{4c}																					
								Ant _{5a}																					
								Ant _{5b}																					
								Ant _{5c}																					
								Ant on Standoff	RFV01U-D1A	14.96	11.93	15.49					238												
								Ant on Standoff	RFV01U-D2A	15.88	10.03	15.49					238												
								Ant on Tower																					
								Ant on Tower																					
																		Sector C											
								Ant _{1a}	LPA-80080/4CF E-DIN	5.50	13.20	47.20		148.333	28.00	12.00	249.00	248											
								Ant _{1b}																					
								Ant _{1c}																					
								Ant _{2a}																					
								Ant _{2b}																					
								Ant _{2c}																					
								Ant _{3a}	(2) MX06FRO660-03	15.40	10.70	71.30		147.583	37.00	12.00	249.00	247											
								Ant _{3b}																					
								Ant _{3c}																					
								Ant _{4a}	LPA-80080/4CF E-DIN	5.50	13.20	47.20		148.417	27.00	12.00	249.00	249											
								Ant _{4b}																					
								Ant _{4c}																					
								Ant _{5a}																					
								Ant _{5b}																					
								Ant _{5c}																					
								Ant on Standoff	RFV01U-D1A	14.96	11.93	15.49					250												
								Ant on Standoff	RFV01U-D2A	15.88	10.03	15.49					250												
								Ant on Tower	RHSDC-3315-PF-48								266												
								Ant on Tower																					
																		Sector D											
								Ant _{1a}																					
								Ant _{1b}																					
								Ant _{1c}																					
								Ant _{2a}																					
								Ant _{2b}																					
								Ant _{2c}																					
								Ant _{3a}																					
								Ant _{3b}																					
								Ant _{3c}																					
								Ant _{4a}																					
								Ant _{4b}																					
								Ant _{4c}																					
								Ant _{5a}																					
								Ant _{5b}																					
								Ant _{5c}																					
								Ant on Standoff																					
								Ant on Standoff																					
								Ant on Tower																					
								Ant on Tower																					

The diagram illustrates the tower leg azimuth and climbing facility information. It shows a central vertical axis with four legs extending horizontally. The legs are labeled A, B, C, and D. The diagram also shows the distance from the top of the main platform member to the lowest tip of any leg of the carrier above (N/A if > 10 ft.) and the distance from the top of the main platform member to the lowest tip of any leg of the carrier below (N/A if > 10 ft.).

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

1		
2		
3		
4		
5		
6		
7		
8		

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

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

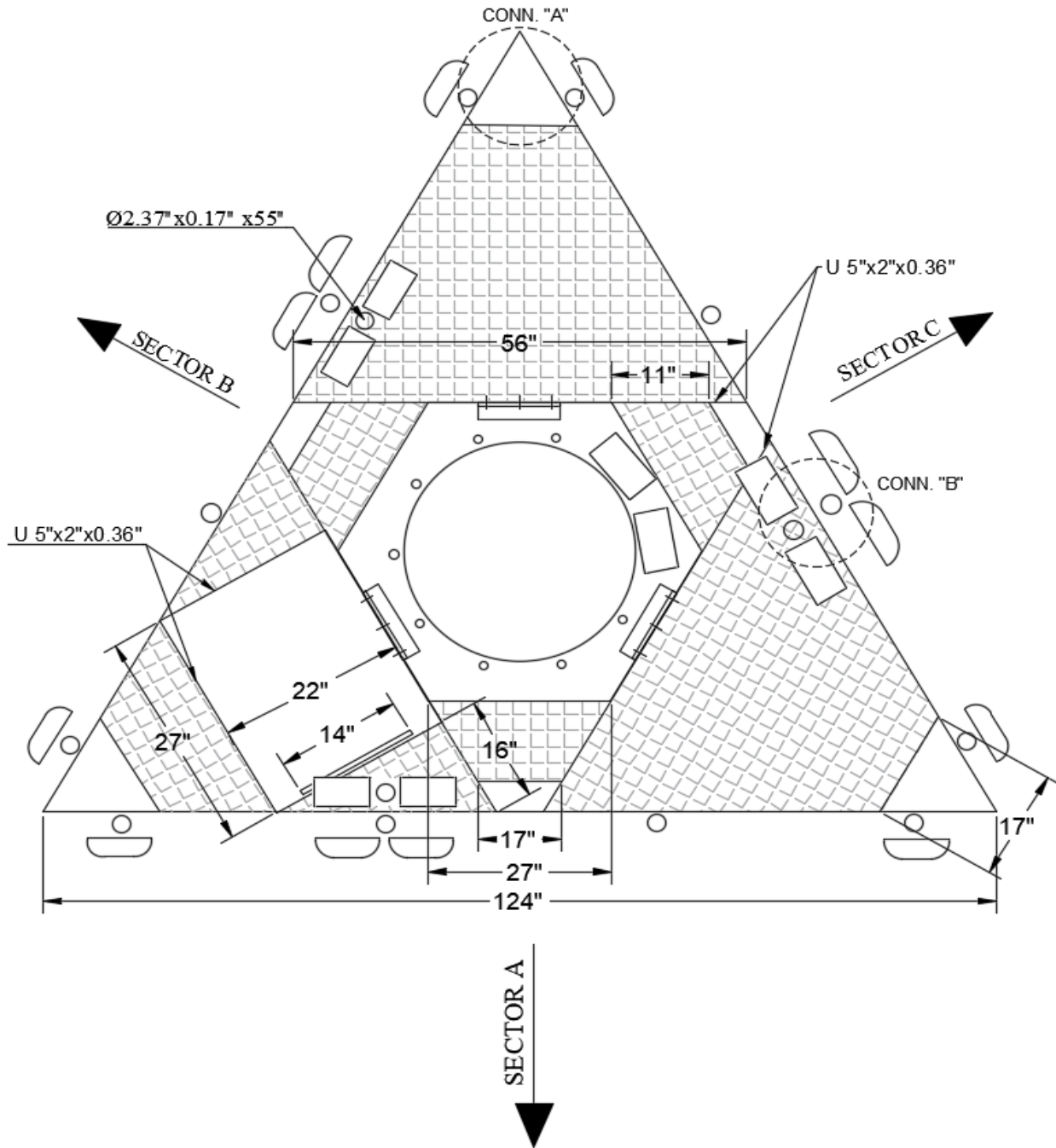
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1234391**PJF** PAUL J. FORD
& COMPANY

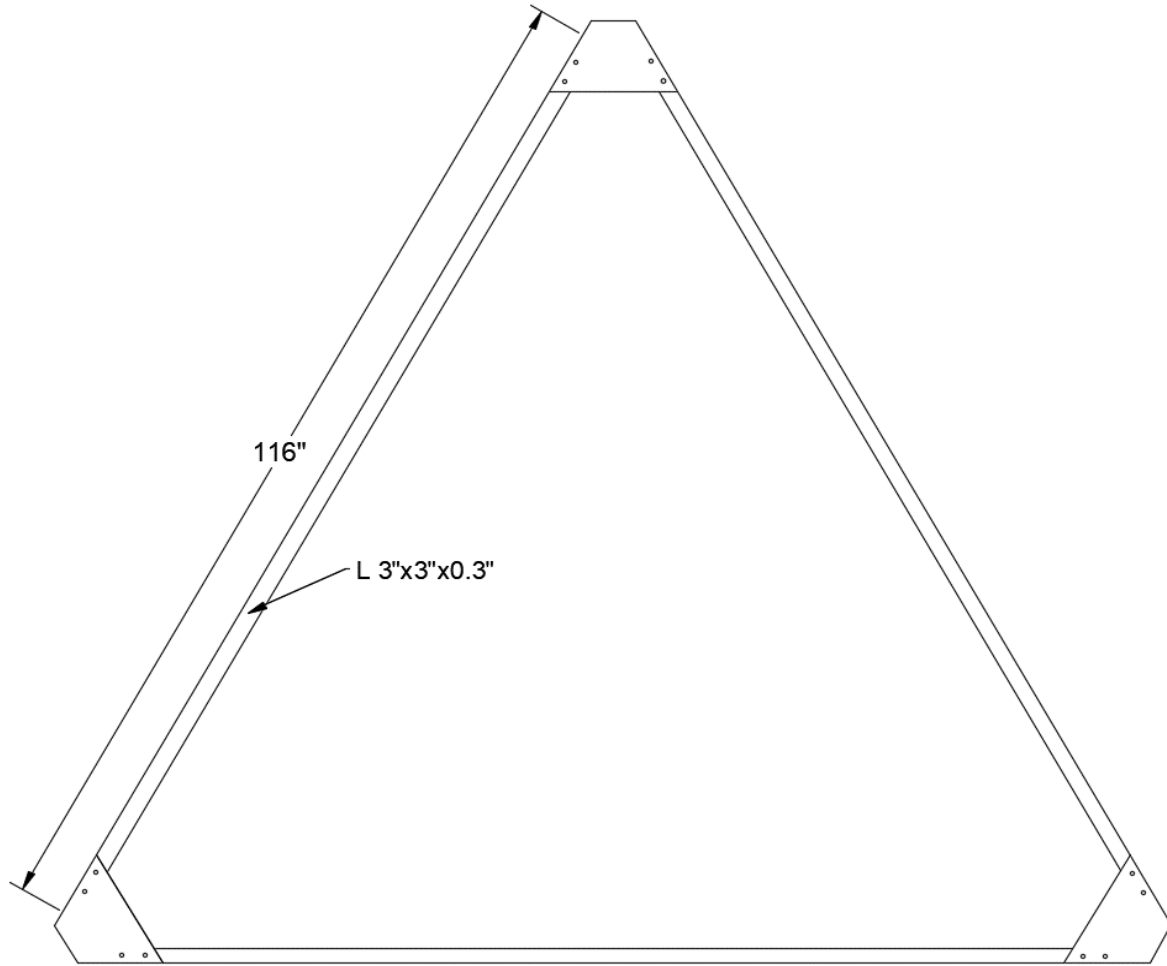
Tower Owner:	Crown Castle	Mapping Date:	3/26/2021
Site Name:	CHESTER CT	Tower Type:	Monopole
Site Number or ID:	468393	Tower Height (Ft.):	N/A
Mapping Contractor:	Roaming Networks Inc.	Mount Elevation (Ft.):	146

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.

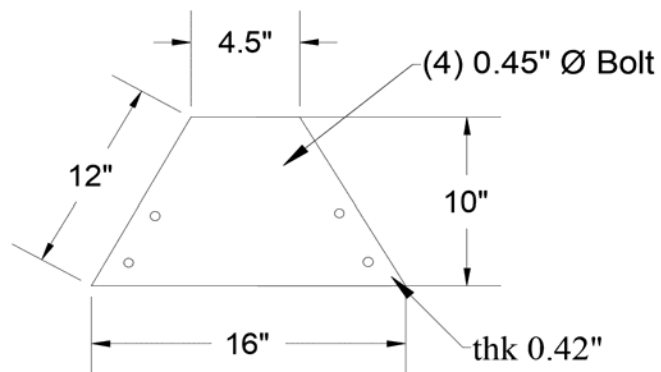
Please Insert Sketches of the Antenna Mount

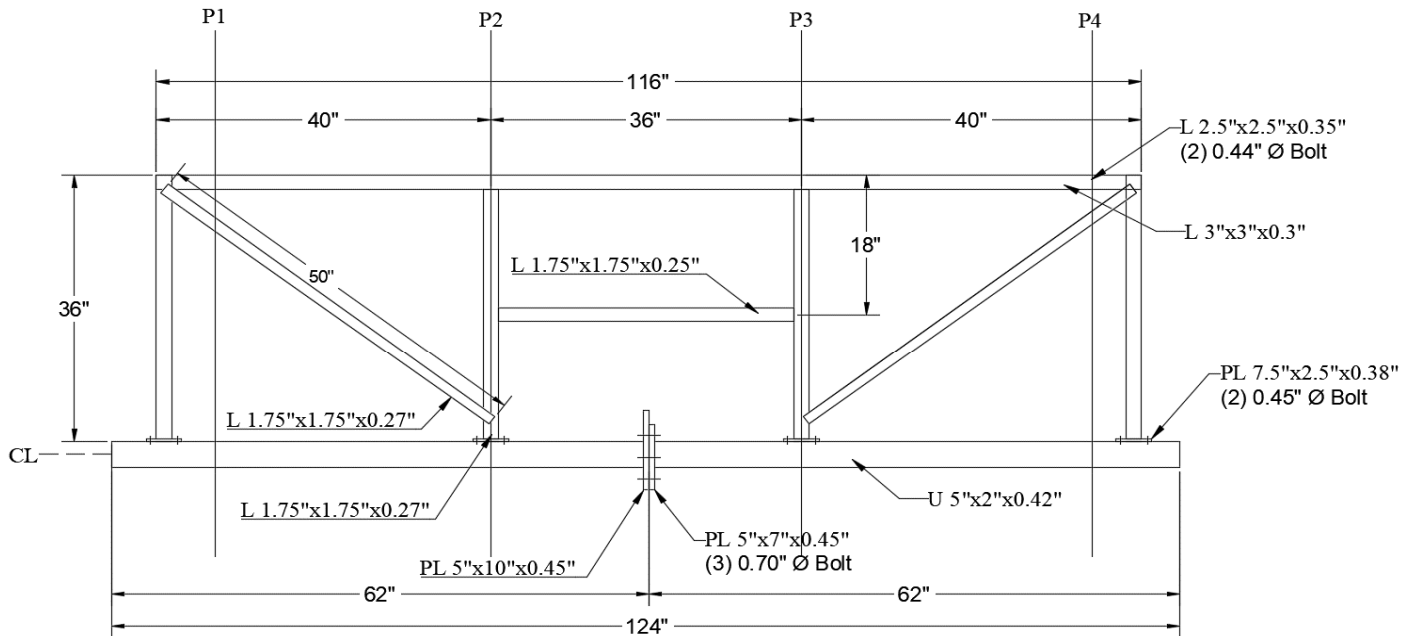


ANTENNA PLAN VIEW

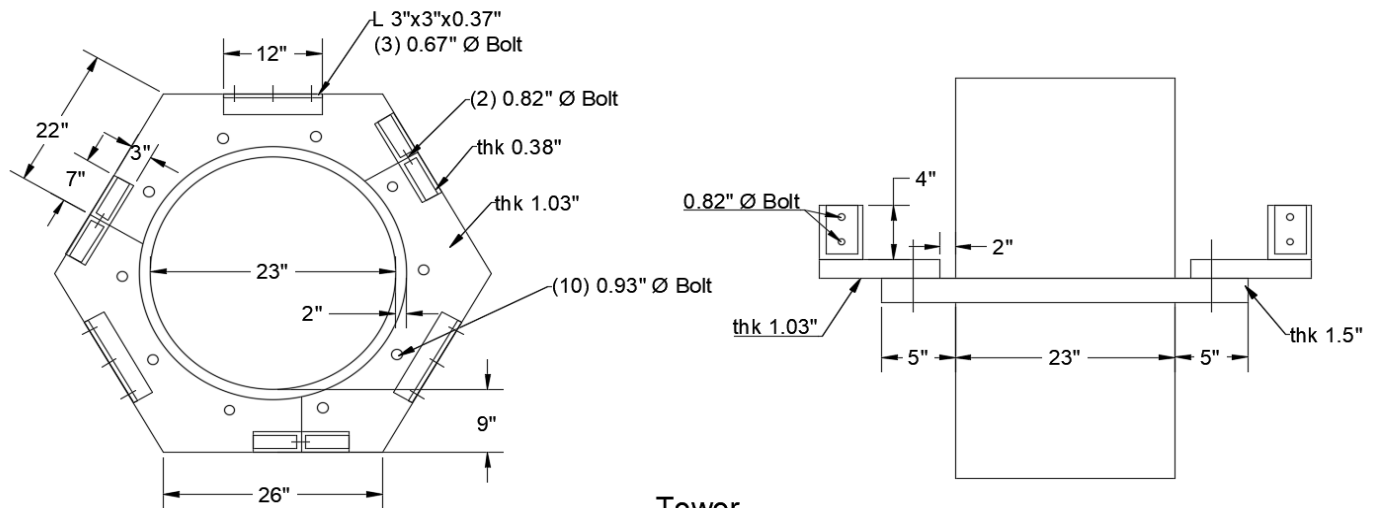


TOP VIEW

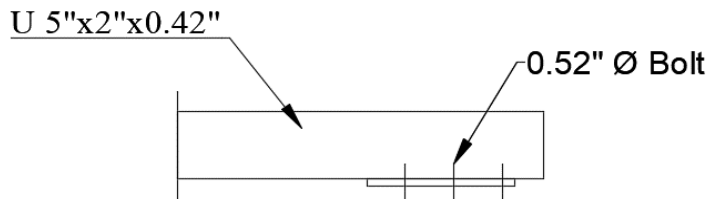
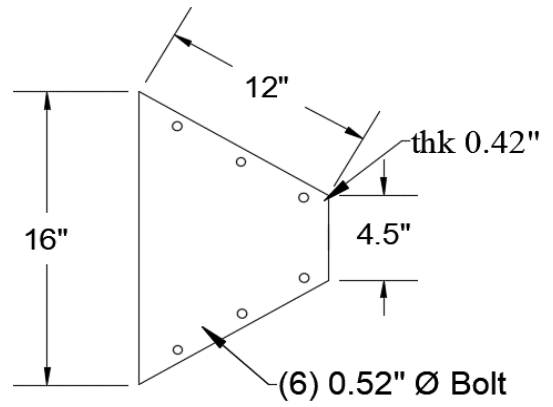
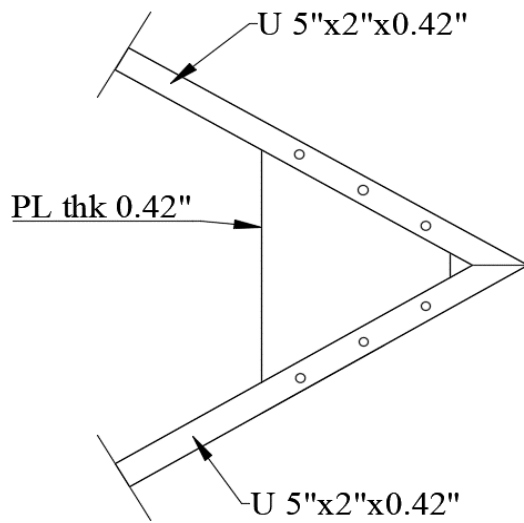




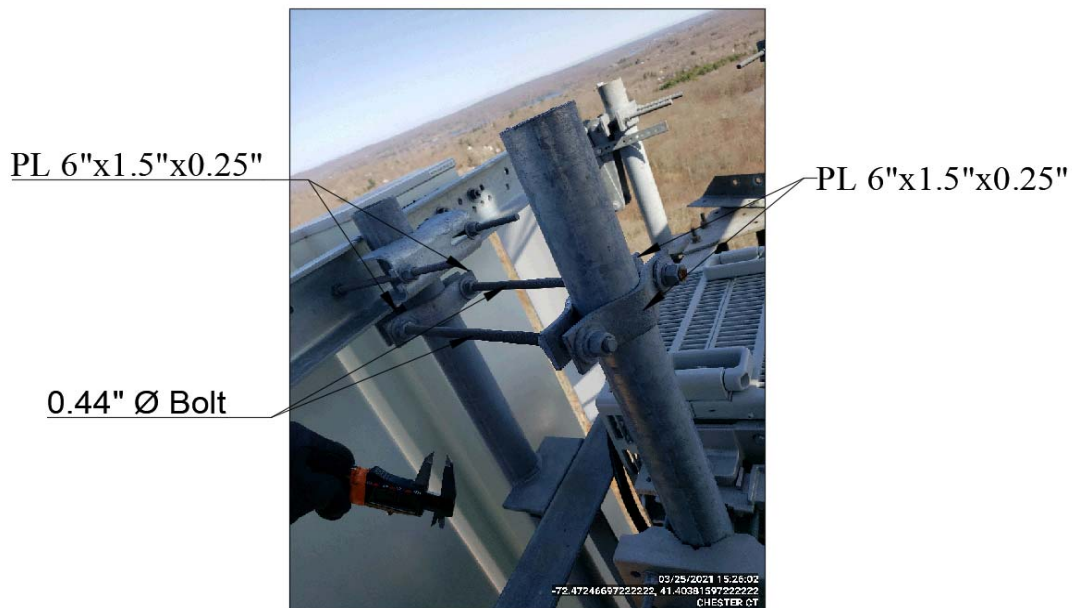
Mount Face
Back View



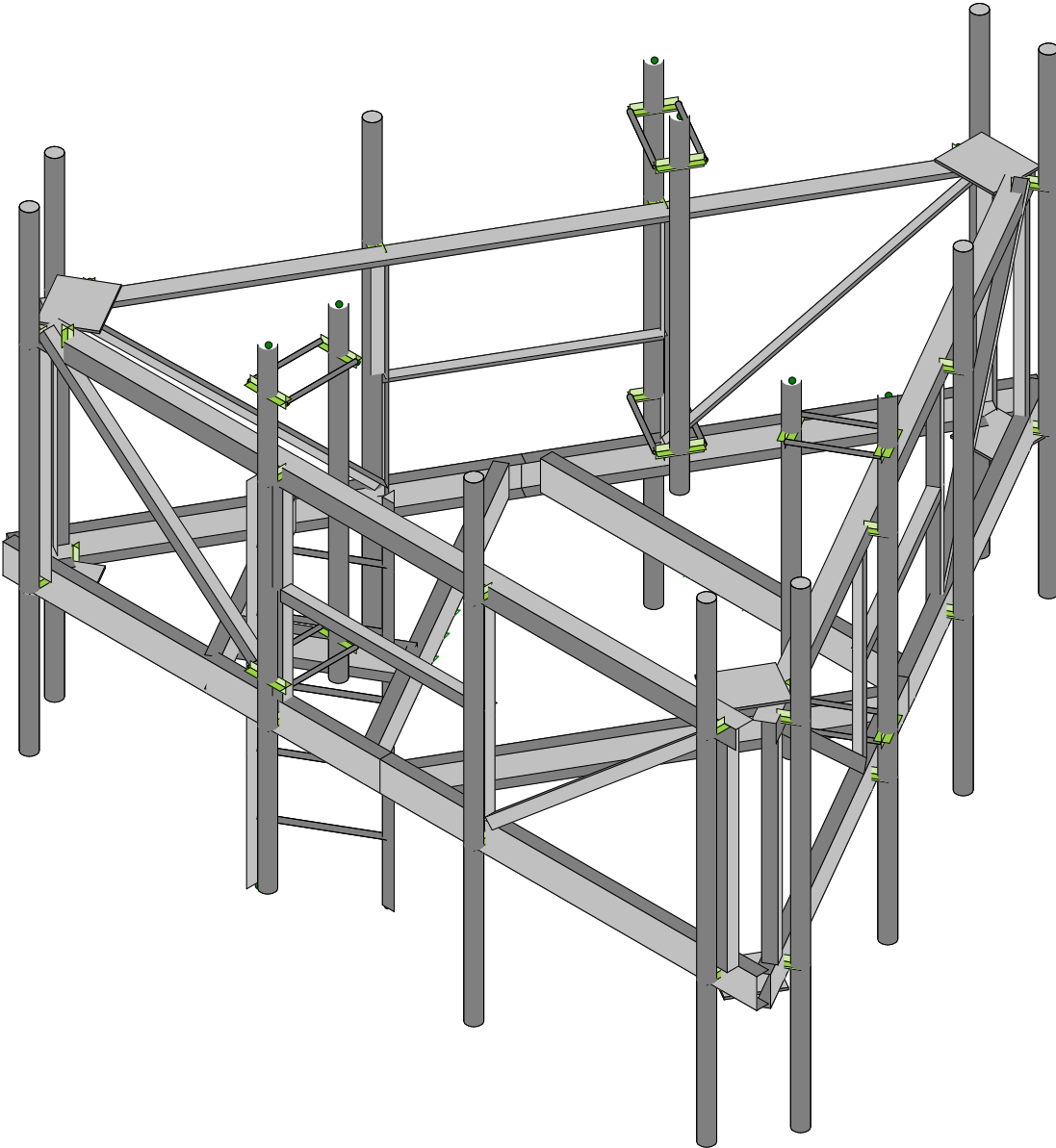
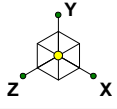
Tower
Connection



CONN. "A"

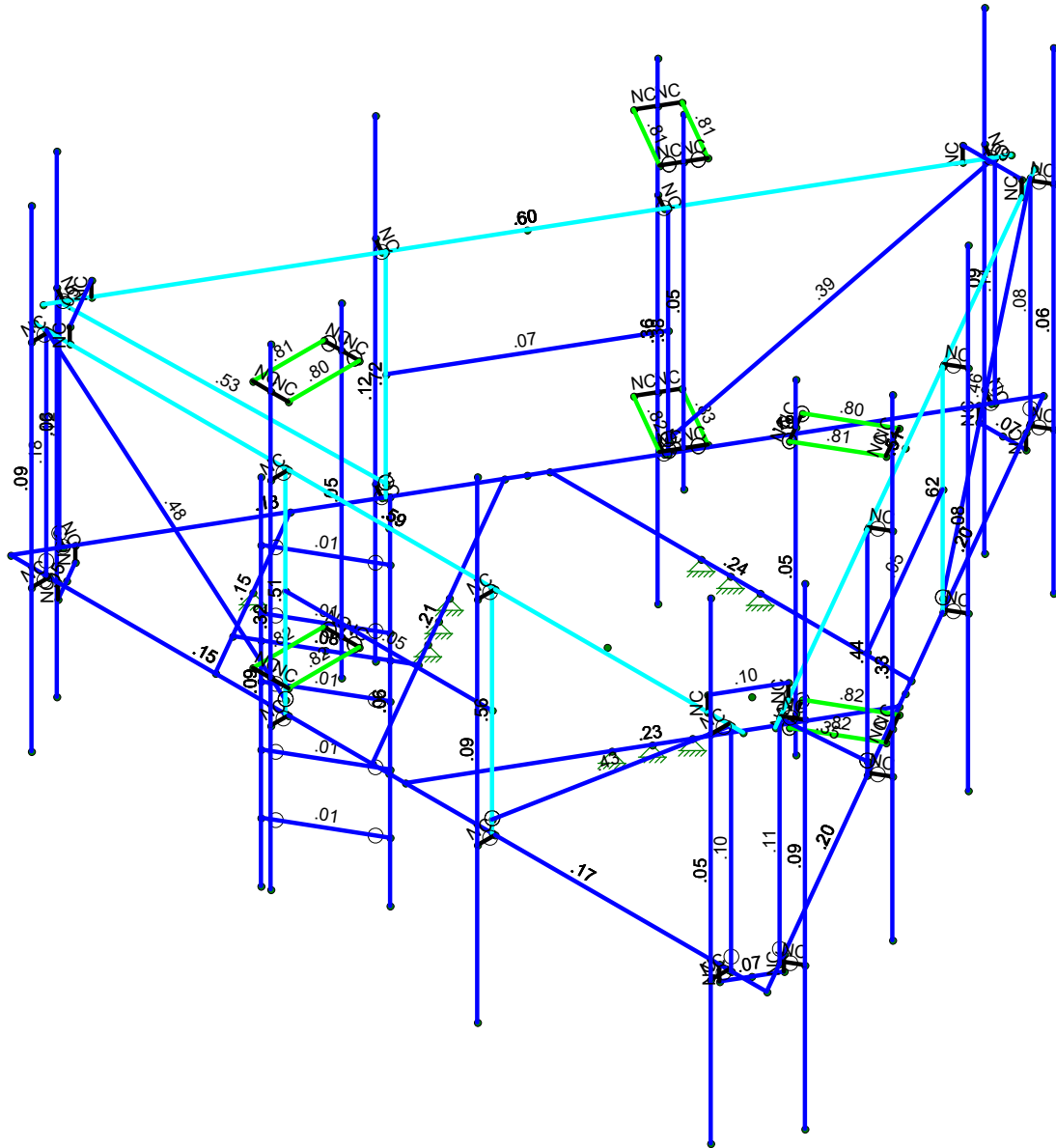
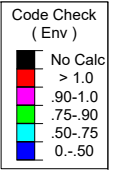
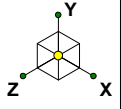


CONN. "B"



Envelope Only Solution

		SK - 1
		Apr 21, 2021 at 4:43 PM
		468393-VZW_MT_LO_H.r3d

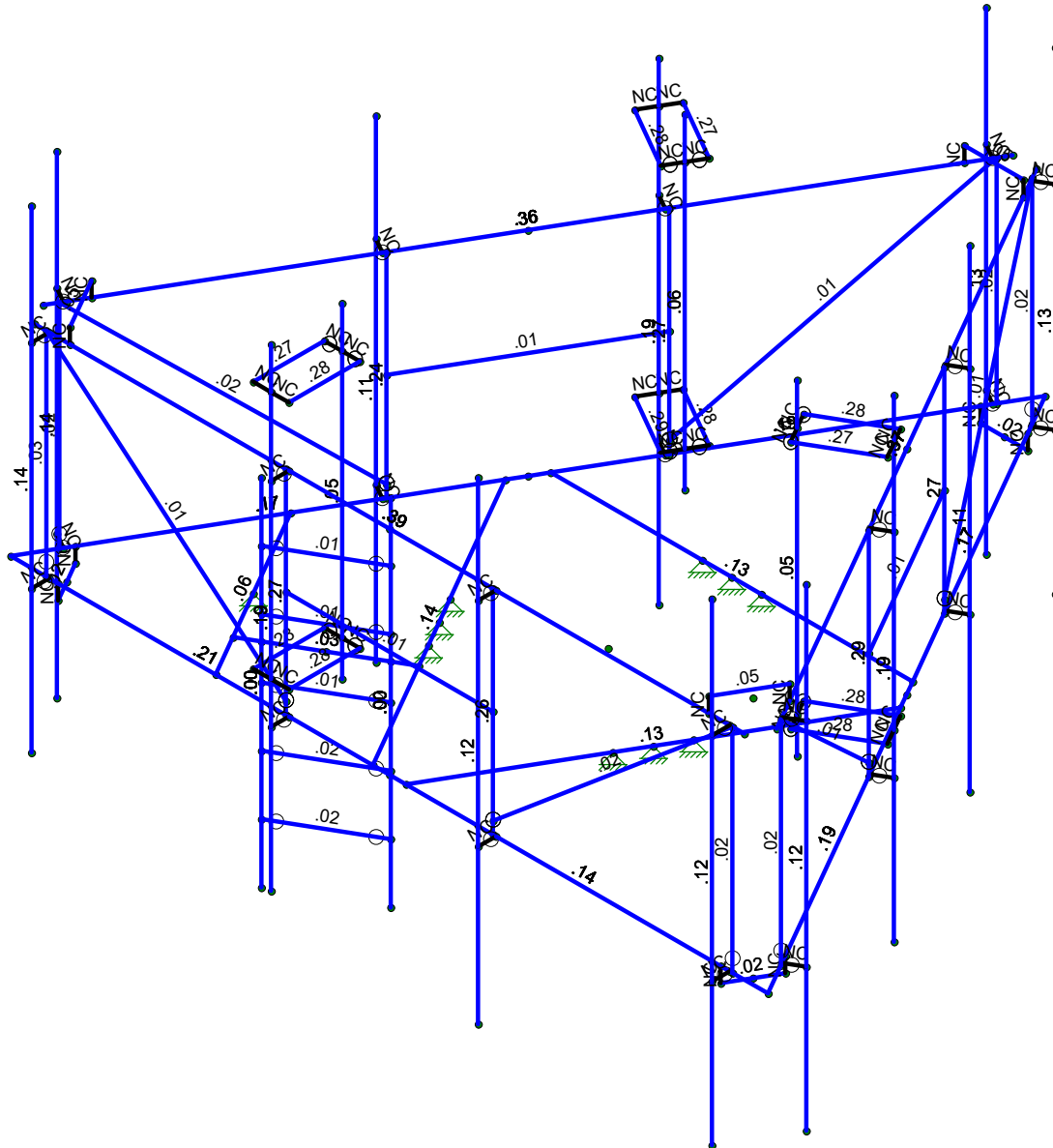
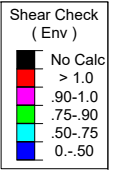


Member Code Checks Displayed (Enveloped)
Envelope Only Solution

SK - 2

Apr 21, 2021 at 4:43 PM

468393-VZW_MT_LO_H.r3d



468393-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					108		
2	Antenna Di	None					108		
3	Antenna Wo (0 Deg)	None					108		
4	Antenna Wo (30 Deg)	None					108		
5	Antenna Wo (60 Deg)	None					108		
6	Antenna Wo (90 Deg)	None					108		
7	Antenna Wo (120 Deg)	None					108		
8	Antenna Wo (150 Deg)	None					108		
9	Antenna Wo (180 Deg)	None					108		
10	Antenna Wo (210 Deg)	None					108		
11	Antenna Wo (240 Deg)	None					108		
12	Antenna Wo (270 Deg)	None					108		
13	Antenna Wo (300 Deg)	None					108		
14	Antenna Wo (330 Deg)	None					108		
15	Antenna Wi (0 Deg)	None					108		
16	Antenna Wi (30 Deg)	None					108		
17	Antenna Wi (60 Deg)	None					108		
18	Antenna Wi (90 Deg)	None					108		
19	Antenna Wi (120 Deg)	None					108		
20	Antenna Wi (150 Deg)	None					108		
21	Antenna Wi (180 Deg)	None					108		
22	Antenna Wi (210 Deg)	None					108		
23	Antenna Wi (240 Deg)	None					108		
24	Antenna Wi (270 Deg)	None					108		
25	Antenna Wi (300 Deg)	None					108		
26	Antenna Wi (330 Deg)	None					108		
27	Antenna Wm (0 Deg)	None					108		
28	Antenna Wm (30 Deg)	None					108		
29	Antenna Wm (60 Deg)	None					108		
30	Antenna Wm (90 Deg)	None					108		
31	Antenna Wm (120 Deg)	None					108		
32	Antenna Wm (150 Deg)	None					108		
33	Antenna Wm (180 Deg)	None					108		
34	Antenna Wm (210 Deg)	None					108		
35	Antenna Wm (240 Deg)	None					108		
36	Antenna Wm (270 Deg)	None					108		
37	Antenna Wm (300 Deg)	None					108		
38	Antenna Wm (330 Deg)	None					108		
39	Structure D	None		-1					3
40	Structure Di	None						75	3
41	Structure Wo (0 Deg)	None						150	
42	Structure Wo (30 Deg)	None						150	
43	Structure Wo (60 Deg)	None						150	
44	Structure Wo (90 Deg)	None						150	
45	Structure Wo (120 D...	None						150	
46	Structure Wo (150 D...	None						150	
47	Structure Wo (180 D...	None						150	
48	Structure Wo (210 D...	None						150	
49	Structure Wo (240 D...	None						150	
50	Structure Wo (270 D...	None						150	
51	Structure Wo (300 D...	None						150	
52	Structure Wo (330 D...	None						150	
53	Structure Wi (0 Deg)	None						150	
54	Structure Wi (30 Deg)	None						150	
55	Structure Wi (60 Deg)	None						150	
56	Structure Wi (90 Deg)	None						150	

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						150	
58	Structure Wi (150 De...	None						150	
59	Structure Wi (180 De...	None						150	
60	Structure Wi (210 De...	None						150	
61	Structure Wi (240 De...	None						150	
62	Structure Wi (270 De...	None						150	
63	Structure Wi (300 De...	None						150	
64	Structure Wi (330 De...	None						150	
65	Structure Wm (0 Deg)	None						150	
66	Structure Wm (30 De...	None						150	
67	Structure Wm (60 De...	None						150	
68	Structure Wm (90 De...	None						150	
69	Structure Wm (120 D...	None						150	
70	Structure Wm (150 D...	None						150	
71	Structure Wm (180 D...	None						150	
72	Structure Wm (210 D...	None						150	
73	Structure Wm (240 D...	None						150	
74	Structure Wm (270 D...	None						150	
75	Structure Wm (300 D...	None						150	
76	Structure Wm (330 D...	None						150	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	BLC 39 Transient Are...	None						45	
82	BLC 40 Transient Are...	None						45	

Load Combinations

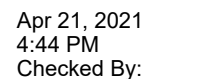
	Description	So.	P...	S...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...	BLC Fac...
1	1.2D+1.0Wo (0 D...	Yes	Y		1	1.2	39	1.2	3	1	41	1					
2	1.2D+1.0Wo (30 ...	Yes	Y		1	1.2	39	1.2	4	1	42	1					
3	1.2D+1.0Wo (60 ...	Yes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

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N1	32.	0	-18.475226	0	
2	N2	-0.	0	-73.900852	0	
3	N3	64.	0	36.9504	0	
4	N4	0.	0	36.9504	0	
5	N5	-64.	0	36.9504	0	
6	N7	-32.	0	-18.475226	0	
7	N7A	0	0	-0.000017	0	
8	N8	-18.100654	0	10.4504	0	
9	N11	-33.400436	0	-16.0496	0	
10	N12	-2.800871	0	36.9504	0	
11	N11A	2.800901	0	36.9504	0	
12	N12A	33.400451	0	-16.049574	0	
13	N13	30.599549	0	-20.900878	0	
14	N14	-30.599549	0	-20.900878	0	



	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
15	N15	60.	0	30.022197	0	
16	N20	56.00003	0	36.9504	0	
17	N25	60.	-2.5	30.022197	0	
18	N26	56.000015	-2.5	36.950374	0	
19	N27	58.000007	-2.5	33.486285	0	
20	N22	-3.999985	0	-66.972674	0	
21	N23	4.	0	-66.972648	0	
22	N25A	-3.99997	-2.5	-66.972648	0	
23	N26A	4.	-2.5	-66.972648	0	
24	N27A	-0.	-2.5	-66.972648	0	
25	N29	-55.99997	0	36.9504	0	
26	N30	-59.999985	0	30.022171	0	
27	N32	-55.999985	-2.5	36.950374	0	
28	N33	-59.99997	-2.5	30.022197	0	
29	N34	-57.999978	-2.5	33.486285	0	
30	N36	32.	36	-18.475226	0	
31	N39	0.	36	36.9504	0	
32	N41	-32.	36	-18.475226	0	
33	N50	59.	36	28.290146	0	
34	N51	54.000015	36	36.950374	0	
35	N52	-4.99997	36	-65.240598	0	
36	N53	5.	36	-65.240598	0	
37	N54	-53.999985	36	36.950374	0	
38	N55	-58.99997	36	28.290146	0	
39	N56	62.	36	33.486298	0	
40	N57	2.	36	-70.43675	0	
41	N58	-1.99997	36	-70.43675	0	
42	N59	-61.99997	36	33.486298	0	
43	N60	-59.999985	36	36.950374	0	
44	N61	60.000015	36	36.950374	0	
45	N55A	59.	38.5	28.290146	0	
46	N56A	54.000015	38.5	36.950374	0	
47	N59A	58.000007	38.5	33.486285	0	
48	N64	-4.99997	38.5	-65.240598	0	
49	N65	5.	38.5	-65.240598	0	
50	N68	-0.	38.5	-66.972648	0	
51	N75	-53.999985	38.5	36.950374	0	
52	N76	-58.99997	38.5	28.290146	0	
53	N79	-57.999978	38.5	33.486285	0	
54	N72	-20.600654	0	6.120273	0	
55	N73	-15.600654	0	14.780527	0	
56	N74	18.100683	0	10.4504	0	
57	N75A	15.600683	0	14.780527	0	
58	N76A	20.600683	0	6.120273	0	
59	N77A	-0.	0	-20.900878	0	
60	N78A	5.000015	0	-20.900878	0	
61	N79A	-4.999985	0	-20.900878	0	
62	N80A	23.25	0	-33.63067	0	
63	N81A	23.25	36	-33.63067	0	
64	N82	40.75	0	-3.319781	0	
65	N83	40.75	36	-3.319781	0	
66	N84	40.75	18	-3.319781	0	
67	N85	23.25	18	-33.63067	0	
68	N86	3.	0	-68.704699	0	
69	N87	3.	36	-68.704699	0	
70	N88	61.	0	31.754248	0	
71	N89	61.	36	31.754248	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
72	N90	-40.749985	0	-3.319807	0	
73	N91	-40.74997	36	-3.319781	0	
74	N92	-23.249985	0	-33.630696	0	
75	N93	-23.24997	36	-33.63067	0	
76	N94	-23.249985	18	-33.630696	0	
77	N95	-40.749985	18	-3.319807	0	
78	N96	-60.999985	0	31.754222	0	
79	N97	-60.99997	36	31.754248	0	
80	N98	-2.999985	0	-68.704725	0	
81	N99	-2.99997	36	-68.704699	0	
82	N100	17.50003	0	36.9504	0	
83	N101	17.500015	36	36.950374	0	
84	N102	-17.49997	0	36.9504	0	
85	N103	-17.499985	36	36.950374	0	
86	N104	-17.49997	18	36.9504	0	
87	N105	17.50003	18	36.9504	0	
88	N106	58.00003	0	36.9504	0	
89	N107	58.000015	36	36.950374	0	
90	N108	-57.99997	0	36.9504	0	
91	N109	-57.999985	36	36.950374	0	
92	N217	-38.019238	0	21.9504	0	
93	N220	-46.679492	0	6.9504	0	
94	N221	-29.358984	0	36.9504	0	
95	N220A	-33.358984	0	30.022197	0	
96	N222	-13.4404	0	18.522197	0	
97	N222A	-23.399692	0	24.272197	0	
98	N223	-16.471488	0	20.272197	0	
99	N224	-30.327895	0	28.272197	0	
100	N225	-16.471488	24	20.272197	0	
101	N226	-30.327895	24	28.272197	0	
102	N227	-16.471488	-36	20.272197	0	
103	N228	-30.327895	-36	28.272197	0	
104	N229	-16.471488	14.	20.272197	0	
105	N230	-16.471488	4.	20.272197	0	
106	N231	-16.471488	-6	20.272197	0	
107	N232	-16.471488	-16.	20.272197	0	
108	N233	-16.471488	-26.	20.272197	0	
109	N234	-30.327895	-26.	28.272197	0	
110	N235	-30.327895	-16.	28.272197	0	
111	N236	-30.327895	-6	28.272197	0	
112	N237	-30.327895	4.	28.272197	0	
113	N238	-30.327895	14.	28.272197	0	
114	N131	23.25	2.	-33.63067	0	
115	N132	40.75	2.	-3.319781	0	
116	N133	-40.749985	2.	-3.319807	0	
117	N134A	-23.249985	2.	-33.630696	0	
118	N135A	17.50003	2.	36.9504	0	
119	N136A	-17.49997	2.	36.9504	0	
120	N129	57.5	0	36.9504	0	
121	N130	57.5	0	39.9504	0	
122	N131A	57.5	36	36.9504	0	
123	N132A	57.5	36	39.9504	0	
124	N133A	18.	0	36.9504	0	
125	N134	18.	0	39.9504	0	
126	N135	18.	36	36.9504	0	
127	N136	18.	36	39.9504	0	
128	N137	-17.	0	36.9504	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
129	N138	-17.	0	39.9504	0	
130	N139	-17.	36	36.9504	0	
131	N140	-17.	36	39.9504	0	
132	N141	-57.5	0	36.9504	0	
133	N142	-57.5	0	39.9504	0	
134	N143	-57.5	36	36.9504	0	
135	N144	-57.5	36	39.9504	0	
136	N145	57.5	56.	39.9504	0	
137	N146	57.5	-24	39.9504	0	
138	N150	-17.	56.	39.9504	0	
139	N151	-17.	-24	39.9504	0	
140	N153	-57.5	56.	39.9504	0	
141	N154	-57.5	-24	39.9504	0	
142	N156	18.	54	39.9504	0	
143	N157	18.	-26.	39.9504	0	
144	N155	3.25	0	-68.271687	0	
145	N156A	5.848076	0	-69.771687	0	
146	N157A	3.25	36	-68.271687	0	
147	N158	5.848076	36	-69.771687	0	
148	N159	23.	0	-34.063683	0	
149	N160	25.598076	0	-35.563683	0	
150	N161	23.	36	-34.063683	0	
151	N162	25.598076	36	-35.563683	0	
152	N163	40.5	0	-3.752794	0	
153	N164	43.098076	0	-5.252794	0	
154	N165	40.5	36	-3.752794	0	
155	N166	43.098076	36	-5.252794	0	
156	N167	60.75	0	31.321235	0	
157	N168	63.348076	0	29.821235	0	
158	N169	60.75	36	31.321235	0	
159	N170	63.348076	36	29.821235	0	
160	N171	5.848076	56.	-69.771687	0	
161	N172	5.848076	-24	-69.771687	0	
162	N173	43.098076	56.	-5.252794	0	
163	N174	43.098076	-24	-5.252794	0	
164	N175	63.348076	56.	29.821235	0	
165	N176	63.348076	-24	29.821235	0	
166	N177	25.598076	54	-35.563683	0	
167	N178	25.598076	-26.	-35.563683	0	
168	N180	-60.75	0	31.321235	0	
169	N181	-63.348076	0	29.821235	0	
170	N182	-60.75	36	31.321235	0	
171	N183	-63.348076	36	29.821235	0	
172	N184	-41.	0	-2.886769	0	
173	N185	-43.598076	0	-4.386769	0	
174	N186	-41.	36	-2.886769	0	
175	N187	-43.598076	36	-4.386769	0	
176	N188	-23.5	0	-33.197658	0	
177	N189	-26.098076	0	-34.697658	0	
178	N190	-23.5	36	-33.197658	0	
179	N191	-26.098076	36	-34.697658	0	
180	N192	-3.25	0	-68.271687	0	
181	N193	-5.848076	0	-69.771687	0	
182	N194	-3.25	36	-68.271687	0	
183	N195	-5.848076	36	-69.771687	0	
184	N196	-63.348076	56.	29.821235	0	
185	N197	-63.348076	-24	29.821235	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
186	N198	-26.098076	56.	-34.697658	0	
187	N199	-26.098076	-24	-34.697658	0	
188	N200	-5.848076	56.	-69.771687	0	
189	N201	-5.848076	-24	-69.771687	0	
190	N202	-43.598076	54	-4.386769	0	
191	N203	-43.598076	-26.	-4.386769	0	
192	N202A	-17.	49.	39.9504	0	
193	N203A	-17.	7.	39.9504	0	
194	N204	-14.	49.	39.9504	0	
195	N205	-14.	7.	39.9504	0	
196	N206	-20.	49.	39.9504	0	
197	N207	-20.	7.	39.9504	0	
198	N208	-14.	49.	27.9504	0	
199	N209	-14.	7.	27.9504	0	
200	N210	-20.	49.	27.9504	0	
201	N211	-20.	7.	27.9504	0	
202	N212	-17.	49.	27.9504	0	
203	N213	-17.	7.	27.9504	0	
204	N214	-17.	56.	27.9504	0	
205	N215	-17.	1.	27.9504	0	
206	N217A	43.098076	49.	-5.252794	0	
207	N218	43.098076	7.	-5.252794	0	
208	N219	41.598076	49.	-7.85087	0	
209	N220B	41.598076	7.	-7.85087	0	
210	N221A	44.598076	49.	-2.654718	0	
211	N222B	44.598076	7.	-2.654718	0	
212	N223A	31.205771	49.	-1.85087	0	
213	N224A	31.205771	7.	-1.85087	0	
214	N225A	34.205771	49.	3.345282	0	
215	N226A	34.205771	7.	3.345282	0	
216	N227A	32.705771	49.	0.747206	0	
217	N228A	32.705771	7.	0.747206	0	
218	N229A	32.705771	56.	0.747206	0	
219	N230A	32.705771	1.	0.747206	0	
220	N232A	-26.098076	49.	-34.697658	0	
221	N233A	-26.098076	7.	-34.697658	0	
222	N234A	-27.598076	49.	-32.099581	0	
223	N235A	-27.598076	7.	-32.099581	0	
224	N236A	-24.598076	49.	-37.295734	0	
225	N237A	-24.598076	7.	-37.295734	0	
226	N238A	-17.205771	49.	-26.099581	0	
227	N239	-17.205771	7.	-26.099581	0	
228	N240	-14.205771	49.	-31.295734	0	
229	N241	-14.205771	7.	-31.295734	0	
230	N242	-15.705771	49.	-28.697658	0	
231	N243	-15.705771	7.	-28.697658	0	
232	N244	-15.705771	56.	-28.697658	0	
233	N245	-15.705771	1.	-28.697658	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE 2.0	Column	Wide Flange	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	FH	C5X2X.42	Beam	Channel	A36 Gr.36	Typical	3.427	1.12	11.354	.182
3	S.O. Hor	C5X2X.42	Beam	Channel	A36 Gr.36	Typical	3.427	1.12	11.354	.182
4	Corner Channel	C6X8.2	Beam	Channel	A36 Gr.36	Typical	2.39	.687	13.1	.074

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
5	TES Face Bracing	L2x2x4	Column	Wide Flange	A36 Gr.36	Typical	.944	.346	.346	.021
6	Ladder	L2x2x4	Column	Wide Flange	A36 Gr.36	Typical	.944	.346	.346	.021
7	Support Rail	L3X3X5	Beam	Single Angle	A36 Gr.36	Typical	1.78	1.5	1.5	.06
8	Ladder Rungs	SR 0.75	Beam	Single Angle	A36 Gr.36	Typical	.442	.016	.016	.031
9	Face Bracing	L1.75X1.75...	Column	Wide Flange	A36 Gr.36	Typical	.813	.227	.227	.015
10	Kicker	L1.5x1.5x2	Beam	Single Angle	A36 Gr.36	Typical	.4	.086	.086	.002
11	Crossmember	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
12	Corner Plate	PL3/8x8	Beam	RECT	A36 Gr.36	Typical	3	.035	16	.136
13	HHS MP Connector	HSS3X3X3	Beam	SquareTube	A500 Gr. ...	Typical	1.89	2.46	2.46	4.03
14	Corner HHS	HSS2X2X4	Beam	SquareTube	A500 Gr. ...	Typical	1.51	.747	.747	1.31
15	Pipe MP Connector	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
16	Threaded Rod	SR 0.625	Beam	BAR	A36 Gr.36	Typical	.307	.007	.007	.015
17	Dual Mount Pipe	PIPE 2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
18	TES Channel	PIPE 2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
19	TES Threaded Rod	PIPE 2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

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

Member Primary Data

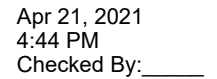
	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N1		180	FH	Beam	Channel	A36 Gr.36	Typical
2	M2	N1	N2		180	FH	Beam	Channel	A36 Gr.36	Typical
3	M3	N2	N7		180	FH	Beam	Channel	A36 Gr.36	Typical
4	M4	N7	N5		180	FH	Beam	Channel	A36 Gr.36	Typical
5	M5	N5	N4		180	FH	Beam	Channel	A36 Gr.36	Typical
6	M6	N4	N3		180	FH	Beam	Channel	A36 Gr.36	Typical
7	M7	N12	N11		180	S.O. Hor	Beam	Channel	A36 Gr.36	Typical
8	M8	N12A	N11A		180	S.O. Hor	Beam	Channel	A36 Gr.36	Typical
9	M9	N14	N13		180	S.O. Hor	Beam	Channel	A36 Gr.36	Typical
10	M13	N25	N26		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
11	M14	N15	N25			RIGID	None	None	RIGID	Typical
12	M15	N20	N26			RIGID	None	None	RIGID	Typical
13	M14A	N25A	N26A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
14	M16	N22	N25A			RIGID	None	None	RIGID	Typical
15	M17	N23	N26A			RIGID	None	None	RIGID	Typical
16	M18	N32	N33		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
17	M20	N29	N32			RIGID	None	None	RIGID	Typical
18	M21	N30	N33			RIGID	None	None	RIGID	Typical
19	M25	N61	N60		90	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
20	M26	N57	N56		90	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
21	M27	N59	N58		90	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
22	M32	N50	N55A			RIGID	None	None	RIGID	Typical
23	M33	N51	N56A			RIGID	None	None	RIGID	Typical
24	M34	N56A	N55A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
25	M40	N52	N64			RIGID	None	None	RIGID	Typical
26	M41	N53	N65			RIGID	None	None	RIGID	Typical
27	M42	N65	N64		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
28	M48	N54	N75			RIGID	None	None	RIGID	Typical
29	M49	N55	N76			RIGID	None	None	RIGID	Typical
30	M50	N76	N75		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
31	M52	N82	N83	N2	90	Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
32	M53	N80A	N81A	N2		Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
33	M54	N85	N84		90	Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
34	M55	N86	N87	N2	90	TES Face Bra...	Column	Wide Flange	A36 Gr.36	Typical
35	M56	N88	N89	N2		TES Face Bra...	Column	Wide Flange	A36 Gr.36	Typical
36	M57	N132	N89		90	TES Face Bra...	Column	Wide Flange	A36 Gr.36	Typical
37	M58	N131	N87		180	Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
38	M59	N92	N93	N2	270	Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
39	M60	N90	N91	N2	180	Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
40	M61	N95	N94		90	Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
41	M62	N96	N97	N5	90	TES Face Bra...	Column	Wide Flange	A36 Gr.36	Typical
42	M63	N98	N99	N5		TES Face Bra...	Column	Wide Flange	A36 Gr.36	Typical
43	M64	N134A	N99		90	Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
44	M65	N133	N97		180	Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
45	M66	N102	N103		270	Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
46	M67	N100	N101		180	Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
47	M68	N105	N104		90	Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
48	M69	N106	N107		270	TES Face Bra...	Column	Wide Flange	A36 Gr.36	Typical
49	M70	N108	N109		180	TES Face Bra...	Column	Wide Flange	A36 Gr.36	Typical
50	M71	N136A	N109		90	Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
51	M72	N135A	N107		180	Face Bracing	Column	Wide Flange	A36 Gr.36	Typical
52	M127	N221	N220		180	S.O. Hor	Beam	Channel	A36 Gr.36	Typical
53	M128	N220A	N222			S.O. Hor	Beam	Channel	A36 Gr.36	Typical
54	M129	N225	N227		90	Ladder	Column	Wide Flange	A36 Gr.36	Typical
55	M130	N228	N226		90	Ladder	Column	Wide Flange	A36 Gr.36	Typical
56	M131	N229	N238			Ladder Rungs	Beam	Single Angle	A36 Gr.36	Typical
57	M132	N237	N230			Ladder Rungs	Beam	Single Angle	A36 Gr.36	Typical
58	M133	N231	N236			Ladder Rungs	Beam	Single Angle	A36 Gr.36	Typical
59	M134	N235	N232			Ladder Rungs	Beam	Single Angle	A36 Gr.36	Typical
60	M135	N233	N234			Ladder Rungs	Beam	Single Angle	A36 Gr.36	Typical
61	M73	N131A	N132A			RIGID	None	None	RIGID	Typical
62	M74	N129	N130			RIGID	None	None	RIGID	Typical
63	M75	N135	N136			RIGID	None	None	RIGID	Typical
64	M76	N133A	N134			RIGID	None	None	RIGID	Typical
65	M77	N139	N140			RIGID	None	None	RIGID	Typical
66	M78	N137	N138			RIGID	None	None	RIGID	Typical
67	M79	N143	N144			RIGID	None	None	RIGID	Typical
68	M80	N141	N142			RIGID	None	None	RIGID	Typical
69	MP1A	N145	N146			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
70	MP3A	N150	N151			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
71	MP4A	N153	N154			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
72	MP2A	N156	N157			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
73	M85	N157A	N158			RIGID	None	None	RIGID	Typical
74	M86	N155	N156A			RIGID	None	None	RIGID	Typical
75	M87	N161	N162			RIGID	None	None	RIGID	Typical
76	M88	N159	N160			RIGID	None	None	RIGID	Typical
77	M89	N165	N166			RIGID	None	None	RIGID	Typical
78	M90	N163	N164			RIGID	None	None	RIGID	Typical
79	M91	N169	N170			RIGID	None	None	RIGID	Typical
80	M92	N167	N168			RIGID	None	None	RIGID	Typical
81	MP1C	N171	N172			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
82	MP3C	N173	N174			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
83	MP4C	N175	N176			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
84	MP2C	N177	N178			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical

Member Primary Data (Continued)

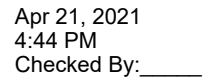
	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
85	M97	N182	N183			RIGID	None	None	RIGID	Typical
86	M98	N180	N181			RIGID	None	None	RIGID	Typical
87	M99	N186	N187			RIGID	None	None	RIGID	Typical
88	M100	N184	N185			RIGID	None	None	RIGID	Typical
89	M101	N190	N191			RIGID	None	None	RIGID	Typical
90	M102	N188	N189			RIGID	None	None	RIGID	Typical
91	M103	N194	N195			RIGID	None	None	RIGID	Typical
92	M104	N192	N193			RIGID	None	None	RIGID	Typical
93	MP1B	N196	N197			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
94	MP3B	N198	N199			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
95	MP4B	N200	N201			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
96	MP2B	N202	N203			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
97	M109	N207	N203A			RIGID	None	None	RIGID	Typical
98	M110	N203A	N205			RIGID	None	None	RIGID	Typical
99	M111	N211	N213			RIGID	None	None	RIGID	Typical
100	M112	N213	N209			RIGID	None	None	RIGID	Typical
101	M113	N206	N202A			RIGID	None	None	RIGID	Typical
102	M114	N202A	N204			RIGID	None	None	RIGID	Typical
103	M115	N210	N212			RIGID	None	None	RIGID	Typical
104	M116	N212	N208			RIGID	None	None	RIGID	Typical
105	M117	N206	N210			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
106	M118	N204	N208			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
107	M119	N207	N211			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
108	M120	N205	N209			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
109	M121	N214	N215			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
110	M122	N222B	N218			RIGID	None	None	RIGID	Typical
111	M123	N218	N220B			RIGID	None	None	RIGID	Typical
112	M124	N226A	N228A			RIGID	None	None	RIGID	Typical
113	M125	N228A	N224A			RIGID	None	None	RIGID	Typical
114	M126	N221A	N217A			RIGID	None	None	RIGID	Typical
115	M127A	N217A	N219			RIGID	None	None	RIGID	Typical
116	M128A	N225A	N227A			RIGID	None	None	RIGID	Typical
117	M129A	N227A	N223A			RIGID	None	None	RIGID	Typical
118	M130A	N221A	N225A			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
119	M131A	N219	N223A			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
120	M132A	N222B	N226A			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
121	M133A	N220B	N224A			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
122	M134A	N229A	N230A			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
123	M135A	N237A	N233A			RIGID	None	None	RIGID	Typical
124	M136	N233A	N235A			RIGID	None	None	RIGID	Typical
125	M137	N241	N243			RIGID	None	None	RIGID	Typical
126	M138	N243	N239			RIGID	None	None	RIGID	Typical
127	M139	N236A	N232A			RIGID	None	None	RIGID	Typical
128	M140	N232A	N234A			RIGID	None	None	RIGID	Typical
129	M141	N240	N242			RIGID	None	None	RIGID	Typical
130	M142	N242	N238A			RIGID	None	None	RIGID	Typical
131	M143	N236A	N240			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
132	M144	N234A	N238A			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
133	M145	N237A	N241			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
134	M146	N235A	N239			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
135	M147	N244	N245			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical



	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes				None
3	M3						Yes				None
4	M4						Yes				None
5	M5						Yes				None
6	M6						Yes				None
7	M7						Yes				None
8	M8						Yes				None
9	M9						Yes				None
10	M13						Yes				None
11	M14						Yes	** NA **			None
12	M15						Yes	** NA **			None
13	M14A						Yes				None
14	M16						Yes	** NA **			None
15	M17						Yes	** NA **			None
16	M18						Yes				None
17	M20						Yes	** NA **			None
18	M21						Yes	** NA **			None
19	M25						Yes				None
20	M26						Yes				None
21	M27						Yes				None
22	M32						Yes	** NA **			None
23	M33						Yes	** NA **			None
24	M34						Yes				None
25	M40						Yes	** NA **			None
26	M41						Yes	** NA **			None
27	M42						Yes				None
28	M48						Yes	** NA **			None
29	M49						Yes	** NA **			None
30	M50						Yes				None
31	M52	OOOOOX					Yes	** NA **			None
32	M53	OOOOXO					Yes	** NA **			None
33	M54						Yes	** NA **			None
34	M55	OOOOOX					Yes	** NA **			None
35	M56	OOOOXO					Yes	** NA **			None
36	M57						Yes	** NA **			None
37	M58						Yes	** NA **			None
38	M59	OOOOOX					Yes	** NA **			None
39	M60	OOOOXO					Yes	** NA **			None
40	M61						Yes	** NA **			None
41	M62	OOOOOX					Yes	** NA **			None
42	M63	OOOOXO					Yes	** NA **			None
43	M64						Yes	** NA **			None
44	M65						Yes	** NA **			None
45	M66	OOOOOX					Yes	** NA **			None
46	M67	OOOOXO					Yes	** NA **			None
47	M68						Yes	** NA **			None
48	M69	OOOOOX					Yes	** NA **			None
49	M70	OOOOXO					Yes	** NA **			None
50	M71						Yes	** NA **			None
51	M72						Yes	** NA **			None
52	M127						Yes	Default			None
53	M128						Yes				None
54	M129						Yes	** NA **			None
55	M130						Yes	** NA **			None
56	M131	BenPIN	BenPIN				Yes				None
57	M132	BenPIN	BenPIN				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...
58	M133	BenPIN	BenPIN				Yes				None
59	M134	BenPIN	BenPIN				Yes				None
60	M135	BenPIN	BenPIN				Yes				None
61	M73		000000				Yes	** NA **			None
62	M74		000000				Yes	** NA **			None
63	M75		000000				Yes	** NA **			None
64	M76		000000				Yes	** NA **			None
65	M77		000000				Yes	** NA **			None
66	M78		000000				Yes	** NA **			None
67	M79		000000				Yes	** NA **			None
68	M80		000000				Yes	** NA **			None
69	MP1A						Yes	** NA **			None
70	MP3A						Yes	** NA **			None
71	MP4A						Yes	** NA **			None
72	MP2A						Yes	** NA **			None
73	M85		000000				Yes	** NA **			None
74	M86		000000				Yes	** NA **			None
75	M87		000000				Yes	** NA **			None
76	M88		000000				Yes	** NA **			None
77	M89		000000				Yes	** NA **			None
78	M90		000000				Yes	** NA **			None
79	M91		000000				Yes	** NA **			None
80	M92		000000				Yes	** NA **			None
81	MP1C						Yes	** NA **			None
82	MP3C						Yes	** NA **			None
83	MP4C						Yes	** NA **			None
84	MP2C						Yes	** NA **			None
85	M97		000000				Yes	** NA **			None
86	M98		000000				Yes	** NA **			None
87	M99		000000				Yes	** NA **			None
88	M100		000000				Yes	** NA **			None
89	M101		000000				Yes	** NA **			None
90	M102		000000				Yes	** NA **			None
91	M103		000000				Yes	** NA **			None
92	M104		000000				Yes	** NA **			None
93	MP1B						Yes	** NA **			None
94	MP3B						Yes	** NA **			None
95	MP4B						Yes	** NA **			None
96	MP2B						Yes	** NA **			None
97	M109						Yes	** NA **			None
98	M110						Yes	** NA **			None
99	M111		000X00				Yes	** NA **			None
100	M112	000X0X					Yes	** NA **			None
101	M113						Yes	** NA **			None
102	M114						Yes	** NA **			None
103	M115		000X00				Yes	** NA **			None
104	M116	000X0X					Yes	** NA **			None
105	M117						Yes				None
106	M118						Yes				None
107	M119						Yes				None
108	M120						Yes				None
109	M121						Yes	** NA **			None
110	M122						Yes	** NA **			None
111	M123						Yes	** NA **			None
112	M124		000X00				Yes	** NA **			None
113	M125	000X0X					Yes	** NA **			None
114	M126						Yes	** NA **			None



	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
115	M127A						Yes	** NA **			None
116	M128A		OOOXOO				Yes	** NA **			None
117	M129A	OOOXOX					Yes	** NA **			None
118	M130A						Yes				None
119	M131A						Yes				None
120	M132A						Yes				None
121	M133A						Yes				None
122	M134A						Yes	** NA **			None
123	M135A						Yes	** NA **			None
124	M136						Yes	** NA **			None
125	M137		OOOXOO				Yes	** NA **			None
126	M138	OOOXOX					Yes	** NA **			None
127	M139						Yes	** NA **			None
128	M140						Yes	** NA **			None
129	M141		OOOXOO				Yes	** NA **			None
130	M142	OOOXOX					Yes	** NA **			None
131	M143						Yes				None
132	M144						Yes				None
133	M145						Yes				None
134	M146						Yes				None
135	M147						Yes	** NA **			None

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP2A	Y	-43.55	18
2	MP2A	My	-.022	18
3	MP2A	Mz	0	18
4	MP2A	Y	-43.55	42
5	MP2A	My	-.022	42
6	MP2A	Mz	0	42
7	MP2B	Y	-43.55	18
8	MP2B	My	.011	18
9	MP2B	Mz	-.019	18
10	MP2B	Y	-43.55	42
11	MP2B	My	.011	42
12	MP2B	Mz	-.019	42
13	MP2C	Y	-43.55	18
14	MP2C	My	.011	18
15	MP2C	Mz	.019	18
16	MP2C	Y	-43.55	42
17	MP2C	My	.011	42
18	MP2C	Mz	.019	42
19	MP1A	Y	-6	12
20	MP1A	My	-.003	12
21	MP1A	Mz	0	12
22	MP1A	Y	-6	48
23	MP1A	My	-.003	48
24	MP1A	Mz	0	48
25	MP1B	Y	-6	12
26	MP1B	My	.002	12
27	MP1B	Mz	-.003	12
28	MP1B	Y	-6	48
29	MP1B	My	.002	48
30	MP1B	Mz	-.003	48
31	MP1C	Y	-6	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
32	MP1C	My	.002	12
33	MP1C	Mz	.003	12
34	MP1C	Y	-6	48
35	MP1C	My	.002	48
36	MP1C	Mz	.003	48
37	MP4A	Y	-6	12
38	MP4A	My	-.003	12
39	MP4A	Mz	0	12
40	MP4A	Y	-6	48
41	MP4A	My	-.003	48
42	MP4A	Mz	0	48
43	MP4B	Y	-6	12
44	MP4B	My	.002	12
45	MP4B	Mz	-.003	12
46	MP4B	Y	-6	48
47	MP4B	My	.002	48
48	MP4B	Mz	-.003	48
49	MP4C	Y	-6	12
50	MP4C	My	.002	12
51	MP4C	Mz	.003	12
52	MP4C	Y	-6	48
53	MP4C	My	.002	48
54	MP4C	Mz	.003	48
55	MP3A	Y	-23	6
56	MP3A	My	-.011	6
57	MP3A	Mz	.015	6
58	MP3A	Y	-23	54
59	MP3A	My	-.011	54
60	MP3A	Mz	.015	54
61	MP3B	Y	-23	6
62	MP3B	My	-.008	6
63	MP3B	Mz	-.018	6
64	MP3B	Y	-23	54
65	MP3B	My	-.008	54
66	MP3B	Mz	-.018	54
67	MP3C	Y	-23	6
68	MP3C	My	.019	6
69	MP3C	Mz	.002	6
70	MP3C	Y	-23	54
71	MP3C	My	.019	54
72	MP3C	Mz	.002	54
73	MP3A	Y	-23	6
74	MP3A	My	-.011	6
75	MP3A	Mz	-.015	6
76	MP3A	Y	-23	54
77	MP3A	My	-.011	54
78	MP3A	Mz	-.015	54
79	MP3B	Y	-23	6
80	MP3B	My	.019	6
81	MP3B	Mz	-.002	6
82	MP3B	Y	-23	54
83	MP3B	My	.019	54
84	MP3B	Mz	-.002	54
85	MP3C	Y	-23	6
86	MP3C	My	-.008	6
87	MP3C	Mz	.018	6
88	MP3C	Y	-23	54

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
89	MP3C	My	-.008	54
90	MP3C	Mz	.018	54
91	M121	Y	-84.4	18
92	M121	My	0	18
93	M121	Mz	0	18
94	M121	Y	-70.3	18
95	M121	My	0	18
96	M121	Mz	0	18
97	M147	Y	-84.4	18
98	M147	My	0	18
99	M147	Mz	0	18
100	M147	Y	-70.3	18
101	M147	My	0	18
102	M147	Mz	0	18
103	M134A	Y	-84.4	18
104	M134A	My	0	18
105	M134A	Mz	0	18
106	M134A	Y	-70.3	18
107	M134A	My	0	18
108	M134A	Mz	0	18

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	Y	-35.636	18
2	MP2A	My	-.018	18
3	MP2A	Mz	0	18
4	MP2A	Y	-35.636	42
5	MP2A	My	-.018	42
6	MP2A	Mz	0	42
7	MP2B	Y	-35.636	18
8	MP2B	My	.009	18
9	MP2B	Mz	-.015	18
10	MP2B	Y	-35.636	42
11	MP2B	My	.009	42
12	MP2B	Mz	-.015	42
13	MP2C	Y	-35.636	18
14	MP2C	My	.009	18
15	MP2C	Mz	.015	18
16	MP2C	Y	-35.636	42
17	MP2C	My	.009	42
18	MP2C	Mz	.015	42
19	MP1A	Y	-40.321	12
20	MP1A	My	-.02	12
21	MP1A	Mz	0	12
22	MP1A	Y	-40.321	48
23	MP1A	My	-.02	48
24	MP1A	Mz	0	48
25	MP1B	Y	-40.321	12
26	MP1B	My	.01	12
27	MP1B	Mz	-.017	12
28	MP1B	Y	-40.321	48
29	MP1B	My	.01	48
30	MP1B	Mz	-.017	48
31	MP1C	Y	-40.321	12
32	MP1C	My	.01	12
33	MP1C	Mz	.017	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
34	MP1C	Y	-40.321	48
35	MP1C	My	.01	48
36	MP1C	Mz	.017	48
37	MP4A	Y	-40.321	12
38	MP4A	My	-.02	12
39	MP4A	Mz	0	12
40	MP4A	Y	-40.321	48
41	MP4A	My	-.02	48
42	MP4A	Mz	0	48
43	MP4B	Y	-40.321	12
44	MP4B	My	.01	12
45	MP4B	Mz	-.017	12
46	MP4B	Y	-40.321	48
47	MP4B	My	.01	48
48	MP4B	Mz	-.017	48
49	MP4C	Y	-40.321	12
50	MP4C	My	.01	12
51	MP4C	Mz	.017	12
52	MP4C	Y	-40.321	48
53	MP4C	My	.01	48
54	MP4C	Mz	.017	48
55	MP3A	Y	-82.515	6
56	MP3A	My	-.041	6
57	MP3A	Mz	.055	6
58	MP3A	Y	-82.515	54
59	MP3A	My	-.041	54
60	MP3A	Mz	.055	54
61	MP3B	Y	-82.515	6
62	MP3B	My	-.027	6
63	MP3B	Mz	-.063	6
64	MP3B	Y	-82.515	54
65	MP3B	My	-.027	54
66	MP3B	Mz	-.063	54
67	MP3C	Y	-82.515	6
68	MP3C	My	.068	6
69	MP3C	Mz	.008	6
70	MP3C	Y	-82.515	54
71	MP3C	My	.068	54
72	MP3C	Mz	.008	54
73	MP3A	Y	-82.515	6
74	MP3A	My	-.041	6
75	MP3A	Mz	-.055	6
76	MP3A	Y	-82.515	54
77	MP3A	My	-.041	54
78	MP3A	Mz	-.055	54
79	MP3B	Y	-82.515	6
80	MP3B	My	.068	6
81	MP3B	Mz	-.008	6
82	MP3B	Y	-82.515	54
83	MP3B	My	.068	54
84	MP3B	Mz	-.008	54
85	MP3C	Y	-82.515	6
86	MP3C	My	-.027	6
87	MP3C	Mz	.063	6
88	MP3C	Y	-82.515	54
89	MP3C	My	-.027	54
90	MP3C	Mz	.063	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
91	M121	Y	-44.929	18
92	M121	My	0	18
93	M121	Mz	0	18
94	M121	Y	-40.405	18
95	M121	My	0	18
96	M121	Mz	0	18
97	M147	Y	-44.929	18
98	M147	My	0	18
99	M147	Mz	0	18
100	M147	Y	-40.405	18
101	M147	My	0	18
102	M147	Mz	0	18
103	M134A	Y	-44.929	18
104	M134A	My	0	18
105	M134A	Mz	0	18
106	M134A	Y	-40.405	18
107	M134A	My	0	18
108	M134A	Mz	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
1	MP2A	X	0	18
2	MP2A	Z	-83.407	18
3	MP2A	Mx	0	18
4	MP2A	X	0	42
5	MP2A	Z	-83.407	42
6	MP2A	Mx	0	42
7	MP2B	X	0	18
8	MP2B	Z	-45.342	18
9	MP2B	Mx	.02	18
10	MP2B	X	0	42
11	MP2B	Z	-45.342	42
12	MP2B	Mx	.02	42
13	MP2C	X	0	18
14	MP2C	Z	-45.342	18
15	MP2C	Mx	-.02	18
16	MP2C	X	0	42
17	MP2C	Z	-45.342	42
18	MP2C	Mx	-.02	42
19	MP1A	X	0	12
20	MP1A	Z	-46.318	12
21	MP1A	Mx	0	12
22	MP1A	X	0	48
23	MP1A	Z	-46.318	48
24	MP1A	Mx	0	48
25	MP1B	X	0	12
26	MP1B	Z	-83.437	12
27	MP1B	Mx	.036	12
28	MP1B	X	0	48
29	MP1B	Z	-83.437	48
30	MP1B	Mx	.036	48
31	MP1C	X	0	12
32	MP1C	Z	-83.437	12
33	MP1C	Mx	-.036	12
34	MP1C	X	0	48
35	MP1C	Z	-83.437	48

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
36	MP1C	Mx	-.036	48
37	MP4A	X	0	12
38	MP4A	Z	-46.318	12
39	MP4A	Mx	0	12
40	MP4A	X	0	48
41	MP4A	Z	-46.318	48
42	MP4A	Mx	0	48
43	MP4B	X	0	12
44	MP4B	Z	-83.437	12
45	MP4B	Mx	.036	12
46	MP4B	X	0	48
47	MP4B	Z	-83.437	48
48	MP4B	Mx	.036	48
49	MP4C	X	0	12
50	MP4C	Z	-83.437	12
51	MP4C	Mx	-.036	12
52	MP4C	X	0	48
53	MP4C	Z	-83.437	48
54	MP4C	Mx	-.036	48
55	MP3A	X	0	6
56	MP3A	Z	-175.156	6
57	MP3A	Mx	-.117	6
58	MP3A	X	0	54
59	MP3A	Z	-175.156	54
60	MP3A	Mx	-.117	54
61	MP3B	X	0	6
62	MP3B	Z	-141.455	6
63	MP3B	Mx	.108	6
64	MP3B	X	0	54
65	MP3B	Z	-141.455	54
66	MP3B	Mx	.108	54
67	MP3C	X	0	6
68	MP3C	Z	-141.455	6
69	MP3C	Mx	-.014	6
70	MP3C	X	0	54
71	MP3C	Z	-141.455	54
72	MP3C	Mx	-.014	54
73	MP3A	X	0	6
74	MP3A	Z	-175.156	6
75	MP3A	Mx	.117	6
76	MP3A	X	0	54
77	MP3A	Z	-175.156	54
78	MP3A	Mx	.117	54
79	MP3B	X	0	6
80	MP3B	Z	-141.455	6
81	MP3B	Mx	.014	6
82	MP3B	X	0	54
83	MP3B	Z	-141.455	54
84	MP3B	Mx	.014	54
85	MP3C	X	0	6
86	MP3C	Z	-141.455	6
87	MP3C	Mx	-.108	6
88	MP3C	X	0	54
89	MP3C	Z	-141.455	54
90	MP3C	Mx	-.108	54
91	M121	X	0	18
92	M121	Z	-60.87	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
93	M121	Mx	0	18
94	M121	X	0	18
95	M121	Z	-58.762	18
96	M121	Mx	0	18
97	M147	X	0	18
98	M147	Z	-60.87	18
99	M147	Mx	0	18
100	M147	X	0	18
101	M147	Z	-58.762	18
102	M147	Mx	0	18
103	M134A	X	0	18
104	M134A	Z	-60.87	18
105	M134A	Mx	0	18
106	M134A	X	0	18
107	M134A	Z	-58.762	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
1	MP2A	X	35.36	18
2	MP2A	Z	-61.244	18
3	MP2A	Mx	-.018	18
4	MP2A	X	35.36	42
5	MP2A	Z	-61.244	42
6	MP2A	Mx	-.018	42
7	MP2B	X	16.327	18
8	MP2B	Z	-28.279	18
9	MP2B	Mx	.016	18
10	MP2B	X	16.327	42
11	MP2B	Z	-28.279	42
12	MP2B	Mx	.016	42
13	MP2C	X	35.36	18
14	MP2C	Z	-61.244	18
15	MP2C	Mx	-.018	18
16	MP2C	X	35.36	42
17	MP2C	Z	-61.244	42
18	MP2C	Mx	-.018	42
19	MP1A	X	29.345	12
20	MP1A	Z	-50.828	12
21	MP1A	Mx	-.015	12
22	MP1A	X	29.345	48
23	MP1A	Z	-50.828	48
24	MP1A	Mx	-.015	48
25	MP1B	X	47.905	12
26	MP1B	Z	-82.974	12
27	MP1B	Mx	.048	12
28	MP1B	X	47.905	48
29	MP1B	Z	-82.974	48
30	MP1B	Mx	.048	48
31	MP1C	X	29.345	12
32	MP1C	Z	-50.828	12
33	MP1C	Mx	-.015	12
34	MP1C	X	29.345	48
35	MP1C	Z	-50.828	48
36	MP1C	Mx	-.015	48
37	MP4A	X	29.345	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
38	MP4A	Z	-50.828	12
39	MP4A	Mx	-.015	12
40	MP4A	X	29.345	48
41	MP4A	Z	-50.828	48
42	MP4A	Mx	-.015	48
43	MP4B	X	47.905	12
44	MP4B	Z	-82.974	12
45	MP4B	Mx	.048	12
46	MP4B	X	47.905	48
47	MP4B	Z	-82.974	48
48	MP4B	Mx	.048	48
49	MP4C	X	29.345	12
50	MP4C	Z	-50.828	12
51	MP4C	Mx	-.015	12
52	MP4C	X	29.345	48
53	MP4C	Z	-50.828	48
54	MP4C	Mx	-.015	48
55	MP3A	X	81.961	6
56	MP3A	Z	-141.961	6
57	MP3A	Mx	-.136	6
58	MP3A	X	81.961	54
59	MP3A	Z	-141.961	54
60	MP3A	Mx	-.136	54
61	MP3B	X	65.111	6
62	MP3B	Z	-112.775	6
63	MP3B	Mx	.065	6
64	MP3B	X	65.111	54
65	MP3B	Z	-112.775	54
66	MP3B	Mx	.065	54
67	MP3C	X	81.961	6
68	MP3C	Z	-141.961	6
69	MP3C	Mx	.054	6
70	MP3C	X	81.961	54
71	MP3C	Z	-141.961	54
72	MP3C	Mx	.054	54
73	MP3A	X	81.961	6
74	MP3A	Z	-141.961	6
75	MP3A	Mx	.054	6
76	MP3A	X	81.961	54
77	MP3A	Z	-141.961	54
78	MP3A	Mx	.054	54
79	MP3B	X	65.111	6
80	MP3B	Z	-112.775	6
81	MP3B	Mx	.065	6
82	MP3B	X	65.111	54
83	MP3B	Z	-112.775	54
84	MP3B	Mx	.065	54
85	MP3C	X	81.961	6
86	MP3C	Z	-141.961	6
87	MP3C	Mx	-.136	6
88	MP3C	X	81.961	54
89	MP3C	Z	-141.961	54
90	MP3C	Mx	-.136	54
91	M121	X	24.933	18
92	M121	Z	-43.186	18
93	M121	Mx	0	18
94	M121	X	21.772	18

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

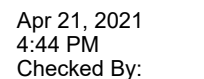
	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
95	M121	Z	-37.711	18
96	M121	Mx	0	18
97	M147	X	24.933	18
98	M147	Z	-43.186	18
99	M147	Mx	0	18
100	M147	X	21.772	18
101	M147	Z	-37.711	18
102	M147	Mx	0	18
103	M134A	X	24.933	18
104	M134A	Z	-43.186	18
105	M134A	Mx	0	18
106	M134A	X	21.772	18
107	M134A	Z	-37.711	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
1	MP2A	X	39.268	18
2	MP2A	Z	-22.671	18
3	MP2A	Mx	-.02	18
4	MP2A	X	39.268	42
5	MP2A	Z	-22.671	42
6	MP2A	Mx	-.02	42
7	MP2B	X	39.268	18
8	MP2B	Z	-22.671	18
9	MP2B	Mx	.02	18
10	MP2B	X	39.268	42
11	MP2B	Z	-22.671	42
12	MP2B	Mx	.02	42
13	MP2C	X	72.233	18
14	MP2C	Z	-41.704	18
15	MP2C	Mx	0	18
16	MP2C	X	72.233	42
17	MP2C	Z	-41.704	42
18	MP2C	Mx	0	42
19	MP1A	X	72.258	12
20	MP1A	Z	-41.718	12
21	MP1A	Mx	-.036	12
22	MP1A	X	72.258	48
23	MP1A	Z	-41.718	48
24	MP1A	Mx	-.036	48
25	MP1B	X	72.258	12
26	MP1B	Z	-41.718	12
27	MP1B	Mx	.036	12
28	MP1B	X	72.258	48
29	MP1B	Z	-41.718	48
30	MP1B	Mx	.036	48
31	MP1C	X	40.112	12
32	MP1C	Z	-23.159	12
33	MP1C	Mx	0	12
34	MP1C	X	40.112	48
35	MP1C	Z	-23.159	48
36	MP1C	Mx	0	48
37	MP4A	X	72.258	12
38	MP4A	Z	-41.718	12
39	MP4A	Mx	-.036	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
40	MP4A	X	72.258	48
41	MP4A	Z	-41.718	48
42	MP4A	Mx	-.036	48
43	MP4B	X	72.258	12
44	MP4B	Z	-41.718	12
45	MP4B	Mx	.036	12
46	MP4B	X	72.258	48
47	MP4B	Z	-41.718	48
48	MP4B	Mx	.036	48
49	MP4C	X	40.112	12
50	MP4C	Z	-23.159	12
51	MP4C	Mx	0	12
52	MP4C	X	40.112	48
53	MP4C	Z	-23.159	48
54	MP4C	Mx	0	48
55	MP3A	X	122.503	6
56	MP3A	Z	-70.727	6
57	MP3A	Mx	-.108	6
58	MP3A	X	122.503	54
59	MP3A	Z	-70.727	54
60	MP3A	Mx	-.108	54
61	MP3B	X	122.503	6
62	MP3B	Z	-70.727	6
63	MP3B	Mx	.014	6
64	MP3B	X	122.503	54
65	MP3B	Z	-70.727	54
66	MP3B	Mx	.014	54
67	MP3C	X	151.689	6
68	MP3C	Z	-87.578	6
69	MP3C	Mx	.117	6
70	MP3C	X	151.689	54
71	MP3C	Z	-87.578	54
72	MP3C	Mx	.117	54
73	MP3A	X	122.503	6
74	MP3A	Z	-70.727	6
75	MP3A	Mx	-.014	6
76	MP3A	X	122.503	54
77	MP3A	Z	-70.727	54
78	MP3A	Mx	-.014	54
79	MP3B	X	122.503	6
80	MP3B	Z	-70.727	6
81	MP3B	Mx	.108	6
82	MP3B	X	122.503	54
83	MP3B	Z	-70.727	54
84	MP3B	Mx	.108	54
85	MP3C	X	151.689	6
86	MP3C	Z	-87.578	6
87	MP3C	Mx	-.117	6
88	MP3C	X	151.689	54
89	MP3C	Z	-87.578	54
90	MP3C	Mx	-.117	54
91	M121	X	38.422	18
92	M121	Z	-22.183	18
93	M121	Mx	0	18
94	M121	X	31.122	18
95	M121	Z	-17.968	18
96	M121	Mx	0	18



	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
97	M147	X	38.422	18
98	M147	Z	-22.183	18
99	M147	Mx	0	18
100	M147	X	31.122	18
101	M147	Z	-17.968	18
102	M147	Mx	0	18
103	M134A	X	38.422	18
104	M134A	Z	-22.183	18
105	M134A	Mx	0	18
106	M134A	X	31.122	18
107	M134A	Z	-17.968	18
108	M134A	Mx	0	18

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP2A	X	32.654	18
2	MP2A	Z	0	18
3	MP2A	Mx	-.016	18
4	MP2A	X	32.654	42
5	MP2A	Z	0	42
6	MP2A	Mx	-.016	42
7	MP2B	X	70.719	18
8	MP2B	Z	0	18
9	MP2B	Mx	.018	18
10	MP2B	X	70.719	42
11	MP2B	Z	0	42
12	MP2B	Mx	.018	42
13	MP2C	X	70.719	18
14	MP2C	Z	0	18
15	MP2C	Mx	.018	18
16	MP2C	X	70.719	42
17	MP2C	Z	0	42
18	MP2C	Mx	.018	42
19	MP1A	X	95.81	12
20	MP1A	Z	0	12
21	MP1A	Mx	-.048	12
22	MP1A	X	95.81	48
23	MP1A	Z	0	48
24	MP1A	Mx	-.048	48
25	MP1B	X	58.691	12
26	MP1B	Z	0	12
27	MP1B	Mx	.015	12
28	MP1B	X	58.691	48
29	MP1B	Z	0	48
30	MP1B	Mx	.015	48
31	MP1C	X	58.691	12
32	MP1C	Z	0	12
33	MP1C	Mx	.015	12
34	MP1C	X	58.691	48
35	MP1C	Z	0	48
36	MP1C	Mx	.015	48
37	MP4A	X	95.81	12
38	MP4A	Z	0	12
39	MP4A	Mx	-.048	12
40	MP4A	X	95.81	48
41	MP4A	Z	0	48

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
42	MP4A	Mx	-.048	48
43	MP4B	X	58.691	12
44	MP4B	Z	0	12
45	MP4B	Mx	.015	12
46	MP4B	X	58.691	48
47	MP4B	Z	0	48
48	MP4B	Mx	.015	48
49	MP4C	X	58.691	12
50	MP4C	Z	0	12
51	MP4C	Mx	.015	12
52	MP4C	X	58.691	48
53	MP4C	Z	0	48
54	MP4C	Mx	.015	48
55	MP3A	X	130.221	6
56	MP3A	Z	0	6
57	MP3A	Mx	-.065	6
58	MP3A	X	130.221	54
59	MP3A	Z	0	54
60	MP3A	Mx	-.065	54
61	MP3B	X	163.922	6
62	MP3B	Z	0	6
63	MP3B	Mx	-.054	6
64	MP3B	X	163.922	54
65	MP3B	Z	0	54
66	MP3B	Mx	-.054	54
67	MP3C	X	163.922	6
68	MP3C	Z	0	6
69	MP3C	Mx	.136	6
70	MP3C	X	163.922	54
71	MP3C	Z	0	54
72	MP3C	Mx	.136	54
73	MP3A	X	130.221	6
74	MP3A	Z	0	6
75	MP3A	Mx	-.065	6
76	MP3A	X	130.221	54
77	MP3A	Z	0	54
78	MP3A	Mx	-.065	54
79	MP3B	X	163.922	6
80	MP3B	Z	0	6
81	MP3B	Mx	.136	6
82	MP3B	X	163.922	54
83	MP3B	Z	0	54
84	MP3B	Mx	.136	54
85	MP3C	X	163.922	6
86	MP3C	Z	0	6
87	MP3C	Mx	-.054	6
88	MP3C	X	163.922	54
89	MP3C	Z	0	54
90	MP3C	Mx	-.054	54
91	M121	X	49.867	18
92	M121	Z	0	18
93	M121	Mx	0	18
94	M121	X	43.545	18
95	M121	Z	0	18
96	M121	Mx	0	18
97	M147	X	49.867	18
98	M147	Z	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
99	M147	Mx	0	18
100	M147	X	43.545	18
101	M147	Z	0	18
102	M147	Mx	0	18
103	M134A	X	49.867	18
104	M134A	Z	0	18
105	M134A	Mx	0	18
106	M134A	X	43.545	18
107	M134A	Z	0	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	X	39.268	18
2	MP2A	Z	22.671	18
3	MP2A	Mx	-.02	18
4	MP2A	X	39.268	42
5	MP2A	Z	22.671	42
6	MP2A	Mx	-.02	42
7	MP2B	X	72.233	18
8	MP2B	Z	41.704	18
9	MP2B	Mx	0	18
10	MP2B	X	72.233	42
11	MP2B	Z	41.704	42
12	MP2B	Mx	0	42
13	MP2C	X	39.268	18
14	MP2C	Z	22.671	18
15	MP2C	Mx	.02	18
16	MP2C	X	39.268	42
17	MP2C	Z	22.671	42
18	MP2C	Mx	.02	42
19	MP1A	X	72.258	12
20	MP1A	Z	41.718	12
21	MP1A	Mx	-.036	12
22	MP1A	X	72.258	48
23	MP1A	Z	41.718	48
24	MP1A	Mx	-.036	48
25	MP1B	X	40.112	12
26	MP1B	Z	23.159	12
27	MP1B	Mx	0	12
28	MP1B	X	40.112	48
29	MP1B	Z	23.159	48
30	MP1B	Mx	0	48
31	MP1C	X	72.258	12
32	MP1C	Z	41.718	12
33	MP1C	Mx	.036	12
34	MP1C	X	72.258	48
35	MP1C	Z	41.718	48
36	MP1C	Mx	.036	48
37	MP4A	X	72.258	12
38	MP4A	Z	41.718	12
39	MP4A	Mx	-.036	12
40	MP4A	X	72.258	48
41	MP4A	Z	41.718	48
42	MP4A	Mx	-.036	48
43	MP4B	X	40.112	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
44	MP4B	Z	23.159	12
45	MP4B	Mx	0	12
46	MP4B	X	40.112	48
47	MP4B	Z	23.159	48
48	MP4B	Mx	0	48
49	MP4C	X	72.258	12
50	MP4C	Z	41.718	12
51	MP4C	Mx	.036	12
52	MP4C	X	72.258	48
53	MP4C	Z	41.718	48
54	MP4C	Mx	.036	48
55	MP3A	X	122.503	6
56	MP3A	Z	70.727	6
57	MP3A	Mx	-.014	6
58	MP3A	X	122.503	54
59	MP3A	Z	70.727	54
60	MP3A	Mx	-.014	54
61	MP3B	X	151.689	6
62	MP3B	Z	87.578	6
63	MP3B	Mx	-.117	6
64	MP3B	X	151.689	54
65	MP3B	Z	87.578	54
66	MP3B	Mx	-.117	54
67	MP3C	X	122.503	6
68	MP3C	Z	70.727	6
69	MP3C	Mx	.108	6
70	MP3C	X	122.503	54
71	MP3C	Z	70.727	54
72	MP3C	Mx	.108	54
73	MP3A	X	122.503	6
74	MP3A	Z	70.727	6
75	MP3A	Mx	-.108	6
76	MP3A	X	122.503	54
77	MP3A	Z	70.727	54
78	MP3A	Mx	-.108	54
79	MP3B	X	151.689	6
80	MP3B	Z	87.578	6
81	MP3B	Mx	.117	6
82	MP3B	X	151.689	54
83	MP3B	Z	87.578	54
84	MP3B	Mx	.117	54
85	MP3C	X	122.503	6
86	MP3C	Z	70.727	6
87	MP3C	Mx	.014	6
88	MP3C	X	122.503	54
89	MP3C	Z	70.727	54
90	MP3C	Mx	.014	54
91	M121	X	52.715	18
92	M121	Z	30.435	18
93	M121	Mx	0	18
94	M121	X	50.89	18
95	M121	Z	29.381	18
96	M121	Mx	0	18
97	M147	X	52.715	18
98	M147	Z	30.435	18
99	M147	Mx	0	18
100	M147	X	50.89	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
101	M147	Z	29.381	18
102	M147	Mx	0	18
103	M134A	X	52.715	18
104	M134A	Z	30.435	18
105	M134A	Mx	0	18
106	M134A	X	50.89	18
107	M134A	Z	29.381	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
1	MP2A	X	35.36	18
2	MP2A	Z	61.244	18
3	MP2A	Mx	-.018	18
4	MP2A	X	35.36	42
5	MP2A	Z	61.244	42
6	MP2A	Mx	-.018	42
7	MP2B	X	35.36	18
8	MP2B	Z	61.244	18
9	MP2B	Mx	-.018	18
10	MP2B	X	35.36	42
11	MP2B	Z	61.244	42
12	MP2B	Mx	-.018	42
13	MP2C	X	16.327	18
14	MP2C	Z	28.279	18
15	MP2C	Mx	.016	18
16	MP2C	X	16.327	42
17	MP2C	Z	28.279	42
18	MP2C	Mx	.016	42
19	MP1A	X	29.345	12
20	MP1A	Z	50.828	12
21	MP1A	Mx	-.015	12
22	MP1A	X	29.345	48
23	MP1A	Z	50.828	48
24	MP1A	Mx	-.015	48
25	MP1B	X	29.345	12
26	MP1B	Z	50.828	12
27	MP1B	Mx	-.015	12
28	MP1B	X	29.345	48
29	MP1B	Z	50.828	48
30	MP1B	Mx	-.015	48
31	MP1C	X	47.905	12
32	MP1C	Z	82.974	12
33	MP1C	Mx	.048	12
34	MP1C	X	47.905	48
35	MP1C	Z	82.974	48
36	MP1C	Mx	.048	48
37	MP4A	X	29.345	12
38	MP4A	Z	50.828	12
39	MP4A	Mx	-.015	12
40	MP4A	X	29.345	48
41	MP4A	Z	50.828	48
42	MP4A	Mx	-.015	48
43	MP4B	X	29.345	12
44	MP4B	Z	50.828	12
45	MP4B	Mx	-.015	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
46	MP4B	X	29.345	48
47	MP4B	Z	50.828	48
48	MP4B	Mx	-.015	48
49	MP4C	X	47.905	12
50	MP4C	Z	82.974	12
51	MP4C	Mx	.048	12
52	MP4C	X	47.905	48
53	MP4C	Z	82.974	48
54	MP4C	Mx	.048	48
55	MP3A	X	81.961	6
56	MP3A	Z	141.961	6
57	MP3A	Mx	.054	6
58	MP3A	X	81.961	54
59	MP3A	Z	141.961	54
60	MP3A	Mx	.054	54
61	MP3B	X	81.961	6
62	MP3B	Z	141.961	6
63	MP3B	Mx	-.136	6
64	MP3B	X	81.961	54
65	MP3B	Z	141.961	54
66	MP3B	Mx	-.136	54
67	MP3C	X	65.111	6
68	MP3C	Z	112.775	6
69	MP3C	Mx	.065	6
70	MP3C	X	65.111	54
71	MP3C	Z	112.775	54
72	MP3C	Mx	.065	54
73	MP3A	X	81.961	6
74	MP3A	Z	141.961	6
75	MP3A	Mx	-.136	6
76	MP3A	X	81.961	54
77	MP3A	Z	141.961	54
78	MP3A	Mx	-.136	54
79	MP3B	X	81.961	6
80	MP3B	Z	141.961	6
81	MP3B	Mx	.054	6
82	MP3B	X	81.961	54
83	MP3B	Z	141.961	54
84	MP3B	Mx	.054	54
85	MP3C	X	65.111	6
86	MP3C	Z	112.775	6
87	MP3C	Mx	.065	6
88	MP3C	X	65.111	54
89	MP3C	Z	112.775	54
90	MP3C	Mx	.065	54
91	M121	X	33.185	18
92	M121	Z	57.479	18
93	M121	Mx	0	18
94	M121	X	33.185	18
95	M121	Z	57.479	18
96	M121	Mx	0	18
97	M147	X	33.185	18
98	M147	Z	57.479	18
99	M147	Mx	0	18
100	M147	X	33.185	18
101	M147	Z	57.479	18
102	M147	Mx	0	18

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

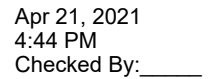
	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
103	M134A	X	33.185	18
104	M134A	Z	57.479	18
105	M134A	Mx	0	18
106	M134A	X	33.185	18
107	M134A	Z	57.479	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	X	0	18
2	MP2A	Z	83.407	18
3	MP2A	Mx	0	18
4	MP2A	X	0	42
5	MP2A	Z	83.407	42
6	MP2A	Mx	0	42
7	MP2B	X	0	18
8	MP2B	Z	45.342	18
9	MP2B	Mx	-.02	18
10	MP2B	X	0	42
11	MP2B	Z	45.342	42
12	MP2B	Mx	-.02	42
13	MP2C	X	0	18
14	MP2C	Z	45.342	18
15	MP2C	Mx	.02	18
16	MP2C	X	0	42
17	MP2C	Z	45.342	42
18	MP2C	Mx	.02	42
19	MP1A	X	0	12
20	MP1A	Z	46.318	12
21	MP1A	Mx	0	12
22	MP1A	X	0	48
23	MP1A	Z	46.318	48
24	MP1A	Mx	0	48
25	MP1B	X	0	12
26	MP1B	Z	83.437	12
27	MP1B	Mx	-.036	12
28	MP1B	X	0	48
29	MP1B	Z	83.437	48
30	MP1B	Mx	-.036	48
31	MP1C	X	0	12
32	MP1C	Z	83.437	12
33	MP1C	Mx	.036	12
34	MP1C	X	0	48
35	MP1C	Z	83.437	48
36	MP1C	Mx	.036	48
37	MP4A	X	0	12
38	MP4A	Z	46.318	12
39	MP4A	Mx	0	12
40	MP4A	X	0	48
41	MP4A	Z	46.318	48
42	MP4A	Mx	0	48
43	MP4B	X	0	12
44	MP4B	Z	83.437	12
45	MP4B	Mx	-.036	12
46	MP4B	X	0	48
47	MP4B	Z	83.437	48

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
48	MP4B	Mx	-.036	48
49	MP4C	X	0	12
50	MP4C	Z	83.437	12
51	MP4C	Mx	.036	12
52	MP4C	X	0	48
53	MP4C	Z	83.437	48
54	MP4C	Mx	.036	48
55	MP3A	X	0	6
56	MP3A	Z	175.156	6
57	MP3A	Mx	.117	6
58	MP3A	X	0	54
59	MP3A	Z	175.156	54
60	MP3A	Mx	.117	54
61	MP3B	X	0	6
62	MP3B	Z	141.455	6
63	MP3B	Mx	-.108	6
64	MP3B	X	0	54
65	MP3B	Z	141.455	54
66	MP3B	Mx	-.108	54
67	MP3C	X	0	6
68	MP3C	Z	141.455	6
69	MP3C	Mx	.014	6
70	MP3C	X	0	54
71	MP3C	Z	141.455	54
72	MP3C	Mx	.014	54
73	MP3A	X	0	6
74	MP3A	Z	175.156	6
75	MP3A	Mx	-.117	6
76	MP3A	X	0	54
77	MP3A	Z	175.156	54
78	MP3A	Mx	-.117	54
79	MP3B	X	0	6
80	MP3B	Z	141.455	6
81	MP3B	Mx	-.014	6
82	MP3B	X	0	54
83	MP3B	Z	141.455	54
84	MP3B	Mx	-.014	54
85	MP3C	X	0	6
86	MP3C	Z	141.455	6
87	MP3C	Mx	.108	6
88	MP3C	X	0	54
89	MP3C	Z	141.455	54
90	MP3C	Mx	.108	54
91	M121	X	0	18
92	M121	Z	60.87	18
93	M121	Mx	0	18
94	M121	X	0	18
95	M121	Z	58.762	18
96	M121	Mx	0	18
97	M147	X	0	18
98	M147	Z	60.87	18
99	M147	Mx	0	18
100	M147	X	0	18
101	M147	Z	58.762	18
102	M147	Mx	0	18
103	M134A	X	0	18
104	M134A	Z	60.87	18



	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
105	M134A	Mx	0	18
106	M134A	X	0	18
107	M134A	Z	58.762	18
108	M134A	Mx	0	18

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP2A	X	-35.36	18
2	MP2A	Z	61.244	18
3	MP2A	Mx	.018	18
4	MP2A	X	-35.36	42
5	MP2A	Z	61.244	42
6	MP2A	Mx	.018	42
7	MP2B	X	-16.327	18
8	MP2B	Z	28.279	18
9	MP2B	Mx	-.016	18
10	MP2B	X	-16.327	42
11	MP2B	Z	28.279	42
12	MP2B	Mx	-.016	42
13	MP2C	X	-35.36	18
14	MP2C	Z	61.244	18
15	MP2C	Mx	.018	18
16	MP2C	X	-35.36	42
17	MP2C	Z	61.244	42
18	MP2C	Mx	.018	42
19	MP1A	X	-29.345	12
20	MP1A	Z	50.828	12
21	MP1A	Mx	.015	12
22	MP1A	X	-29.345	48
23	MP1A	Z	50.828	48
24	MP1A	Mx	.015	48
25	MP1B	X	-47.905	12
26	MP1B	Z	82.974	12
27	MP1B	Mx	-.048	12
28	MP1B	X	-47.905	48
29	MP1B	Z	82.974	48
30	MP1B	Mx	-.048	48
31	MP1C	X	-29.345	12
32	MP1C	Z	50.828	12
33	MP1C	Mx	.015	12
34	MP1C	X	-29.345	48
35	MP1C	Z	50.828	48
36	MP1C	Mx	.015	48
37	MP4A	X	-29.345	12
38	MP4A	Z	50.828	12
39	MP4A	Mx	.015	12
40	MP4A	X	-29.345	48
41	MP4A	Z	50.828	48
42	MP4A	Mx	.015	48
43	MP4B	X	-47.905	12
44	MP4B	Z	82.974	12
45	MP4B	Mx	-.048	12
46	MP4B	X	-47.905	48
47	MP4B	Z	82.974	48
48	MP4B	Mx	-.048	48
49	MP4C	X	-29.345	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
50	MP4C	Z	50.828	12
51	MP4C	Mx	.015	12
52	MP4C	X	-29.345	48
53	MP4C	Z	50.828	48
54	MP4C	Mx	.015	48
55	MP3A	X	-81.961	6
56	MP3A	Z	141.961	6
57	MP3A	Mx	.136	6
58	MP3A	X	-81.961	54
59	MP3A	Z	141.961	54
60	MP3A	Mx	.136	54
61	MP3B	X	-65.111	6
62	MP3B	Z	112.775	6
63	MP3B	Mx	-.065	6
64	MP3B	X	-65.111	54
65	MP3B	Z	112.775	54
66	MP3B	Mx	-.065	54
67	MP3C	X	-81.961	6
68	MP3C	Z	141.961	6
69	MP3C	Mx	-.054	6
70	MP3C	X	-81.961	54
71	MP3C	Z	141.961	54
72	MP3C	Mx	-.054	54
73	MP3A	X	-81.961	6
74	MP3A	Z	141.961	6
75	MP3A	Mx	-.054	6
76	MP3A	X	-81.961	54
77	MP3A	Z	141.961	54
78	MP3A	Mx	-.054	54
79	MP3B	X	-65.111	6
80	MP3B	Z	112.775	6
81	MP3B	Mx	-.065	6
82	MP3B	X	-65.111	54
83	MP3B	Z	112.775	54
84	MP3B	Mx	-.065	54
85	MP3C	X	-81.961	6
86	MP3C	Z	141.961	6
87	MP3C	Mx	.136	6
88	MP3C	X	-81.961	54
89	MP3C	Z	141.961	54
90	MP3C	Mx	.136	54
91	M121	X	-24.933	18
92	M121	Z	43.186	18
93	M121	Mx	0	18
94	M121	X	-21.772	18
95	M121	Z	37.711	18
96	M121	Mx	0	18
97	M147	X	-24.933	18
98	M147	Z	43.186	18
99	M147	Mx	0	18
100	M147	X	-21.772	18
101	M147	Z	37.711	18
102	M147	Mx	0	18
103	M134A	X	-24.933	18
104	M134A	Z	43.186	18
105	M134A	Mx	0	18
106	M134A	X	-21.772	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
107	M134A	Z	37.711	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-39.268	18
2	MP2A	Z	22.671	18
3	MP2A	Mx	.02	18
4	MP2A	X	-39.268	42
5	MP2A	Z	22.671	42
6	MP2A	Mx	.02	42
7	MP2B	X	-39.268	18
8	MP2B	Z	22.671	18
9	MP2B	Mx	-.02	18
10	MP2B	X	-39.268	42
11	MP2B	Z	22.671	42
12	MP2B	Mx	-.02	42
13	MP2C	X	-72.233	18
14	MP2C	Z	41.704	18
15	MP2C	Mx	0	18
16	MP2C	X	-72.233	42
17	MP2C	Z	41.704	42
18	MP2C	Mx	0	42
19	MP1A	X	-72.258	12
20	MP1A	Z	41.718	12
21	MP1A	Mx	.036	12
22	MP1A	X	-72.258	48
23	MP1A	Z	41.718	48
24	MP1A	Mx	.036	48
25	MP1B	X	-72.258	12
26	MP1B	Z	41.718	12
27	MP1B	Mx	-.036	12
28	MP1B	X	-72.258	48
29	MP1B	Z	41.718	48
30	MP1B	Mx	-.036	48
31	MP1C	X	-40.112	12
32	MP1C	Z	23.159	12
33	MP1C	Mx	0	12
34	MP1C	X	-40.112	48
35	MP1C	Z	23.159	48
36	MP1C	Mx	0	48
37	MP4A	X	-72.258	12
38	MP4A	Z	41.718	12
39	MP4A	Mx	.036	12
40	MP4A	X	-72.258	48
41	MP4A	Z	41.718	48
42	MP4A	Mx	.036	48
43	MP4B	X	-72.258	12
44	MP4B	Z	41.718	12
45	MP4B	Mx	-.036	12
46	MP4B	X	-72.258	48
47	MP4B	Z	41.718	48
48	MP4B	Mx	-.036	48
49	MP4C	X	-40.112	12
50	MP4C	Z	23.159	12
51	MP4C	Mx	0	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
52	MP4C	X	-40.112	48
53	MP4C	Z	23.159	48
54	MP4C	Mx	0	48
55	MP3A	X	-122.503	6
56	MP3A	Z	70.727	6
57	MP3A	Mx	.108	6
58	MP3A	X	-122.503	54
59	MP3A	Z	70.727	54
60	MP3A	Mx	.108	54
61	MP3B	X	-122.503	6
62	MP3B	Z	70.727	6
63	MP3B	Mx	-.014	6
64	MP3B	X	-122.503	54
65	MP3B	Z	70.727	54
66	MP3B	Mx	-.014	54
67	MP3C	X	-151.689	6
68	MP3C	Z	87.578	6
69	MP3C	Mx	-.117	6
70	MP3C	X	-151.689	54
71	MP3C	Z	87.578	54
72	MP3C	Mx	-.117	54
73	MP3A	X	-122.503	6
74	MP3A	Z	70.727	6
75	MP3A	Mx	.014	6
76	MP3A	X	-122.503	54
77	MP3A	Z	70.727	54
78	MP3A	Mx	.014	54
79	MP3B	X	-122.503	6
80	MP3B	Z	70.727	6
81	MP3B	Mx	-.108	6
82	MP3B	X	-122.503	54
83	MP3B	Z	70.727	54
84	MP3B	Mx	-.108	54
85	MP3C	X	-151.689	6
86	MP3C	Z	87.578	6
87	MP3C	Mx	.117	6
88	MP3C	X	-151.689	54
89	MP3C	Z	87.578	54
90	MP3C	Mx	.117	54
91	M121	X	-38.422	18
92	M121	Z	22.183	18
93	M121	Mx	0	18
94	M121	X	-31.122	18
95	M121	Z	17.968	18
96	M121	Mx	0	18
97	M147	X	-38.422	18
98	M147	Z	22.183	18
99	M147	Mx	0	18
100	M147	X	-31.122	18
101	M147	Z	17.968	18
102	M147	Mx	0	18
103	M134A	X	-38.422	18
104	M134A	Z	22.183	18
105	M134A	Mx	0	18
106	M134A	X	-31.122	18
107	M134A	Z	17.968	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	X	-32.654	18
2	MP2A	Z	0	18
3	MP2A	Mx	.016	18
4	MP2A	X	-32.654	42
5	MP2A	Z	0	42
6	MP2A	Mx	.016	42
7	MP2B	X	-70.719	18
8	MP2B	Z	0	18
9	MP2B	Mx	-.018	18
10	MP2B	X	-70.719	42
11	MP2B	Z	0	42
12	MP2B	Mx	-.018	42
13	MP2C	X	-70.719	18
14	MP2C	Z	0	18
15	MP2C	Mx	-.018	18
16	MP2C	X	-70.719	42
17	MP2C	Z	0	42
18	MP2C	Mx	-.018	42
19	MP1A	X	-95.81	12
20	MP1A	Z	0	12
21	MP1A	Mx	.048	12
22	MP1A	X	-95.81	48
23	MP1A	Z	0	48
24	MP1A	Mx	.048	48
25	MP1B	X	-58.691	12
26	MP1B	Z	0	12
27	MP1B	Mx	-.015	12
28	MP1B	X	-58.691	48
29	MP1B	Z	0	48
30	MP1B	Mx	-.015	48
31	MP1C	X	-58.691	12
32	MP1C	Z	0	12
33	MP1C	Mx	-.015	12
34	MP1C	X	-58.691	48
35	MP1C	Z	0	48
36	MP1C	Mx	-.015	48
37	MP4A	X	-95.81	12
38	MP4A	Z	0	12
39	MP4A	Mx	.048	12
40	MP4A	X	-95.81	48
41	MP4A	Z	0	48
42	MP4A	Mx	.048	48
43	MP4B	X	-58.691	12
44	MP4B	Z	0	12
45	MP4B	Mx	-.015	12
46	MP4B	X	-58.691	48
47	MP4B	Z	0	48
48	MP4B	Mx	-.015	48
49	MP4C	X	-58.691	12
50	MP4C	Z	0	12
51	MP4C	Mx	-.015	12
52	MP4C	X	-58.691	48
53	MP4C	Z	0	48
54	MP4C	Mx	-.015	48
55	MP3A	X	-130.221	6
56	MP3A	Z	0	6
57	MP3A	Mx	.065	6

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
58	MP3A	X	-130.221	54
59	MP3A	Z	0	54
60	MP3A	Mx	.065	54
61	MP3B	X	-163.922	6
62	MP3B	Z	0	6
63	MP3B	Mx	.054	6
64	MP3B	X	-163.922	54
65	MP3B	Z	0	54
66	MP3B	Mx	.054	54
67	MP3C	X	-163.922	6
68	MP3C	Z	0	6
69	MP3C	Mx	-.136	6
70	MP3C	X	-163.922	54
71	MP3C	Z	0	54
72	MP3C	Mx	-.136	54
73	MP3A	X	-130.221	6
74	MP3A	Z	0	6
75	MP3A	Mx	.065	6
76	MP3A	X	-130.221	54
77	MP3A	Z	0	54
78	MP3A	Mx	.065	54
79	MP3B	X	-163.922	6
80	MP3B	Z	0	6
81	MP3B	Mx	-.136	6
82	MP3B	X	-163.922	54
83	MP3B	Z	0	54
84	MP3B	Mx	-.136	54
85	MP3C	X	-163.922	6
86	MP3C	Z	0	6
87	MP3C	Mx	.054	6
88	MP3C	X	-163.922	54
89	MP3C	Z	0	54
90	MP3C	Mx	.054	54
91	M121	X	-49.867	18
92	M121	Z	0	18
93	M121	Mx	0	18
94	M121	X	-43.545	18
95	M121	Z	0	18
96	M121	Mx	0	18
97	M147	X	-49.867	18
98	M147	Z	0	18
99	M147	Mx	0	18
100	M147	X	-43.545	18
101	M147	Z	0	18
102	M147	Mx	0	18
103	M134A	X	-49.867	18
104	M134A	Z	0	18
105	M134A	Mx	0	18
106	M134A	X	-43.545	18
107	M134A	Z	0	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	X	-39.268	18
2	MP2A	Z	-22.671	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
3	MP2A	Mx	.02	18
4	MP2A	X	-39.268	42
5	MP2A	Z	-22.671	42
6	MP2A	Mx	.02	42
7	MP2B	X	-72.233	18
8	MP2B	Z	-41.704	18
9	MP2B	Mx	0	18
10	MP2B	X	-72.233	42
11	MP2B	Z	-41.704	42
12	MP2B	Mx	0	42
13	MP2C	X	-39.268	18
14	MP2C	Z	-22.671	18
15	MP2C	Mx	-.02	18
16	MP2C	X	-39.268	42
17	MP2C	Z	-22.671	42
18	MP2C	Mx	-.02	42
19	MP1A	X	-72.258	12
20	MP1A	Z	-41.718	12
21	MP1A	Mx	.036	12
22	MP1A	X	-72.258	48
23	MP1A	Z	-41.718	48
24	MP1A	Mx	.036	48
25	MP1B	X	-40.112	12
26	MP1B	Z	-23.159	12
27	MP1B	Mx	0	12
28	MP1B	X	-40.112	48
29	MP1B	Z	-23.159	48
30	MP1B	Mx	0	48
31	MP1C	X	-72.258	12
32	MP1C	Z	-41.718	12
33	MP1C	Mx	-.036	12
34	MP1C	X	-72.258	48
35	MP1C	Z	-41.718	48
36	MP1C	Mx	-.036	48
37	MP4A	X	-72.258	12
38	MP4A	Z	-41.718	12
39	MP4A	Mx	.036	12
40	MP4A	X	-72.258	48
41	MP4A	Z	-41.718	48
42	MP4A	Mx	.036	48
43	MP4B	X	-40.112	12
44	MP4B	Z	-23.159	12
45	MP4B	Mx	0	12
46	MP4B	X	-40.112	48
47	MP4B	Z	-23.159	48
48	MP4B	Mx	0	48
49	MP4C	X	-72.258	12
50	MP4C	Z	-41.718	12
51	MP4C	Mx	-.036	12
52	MP4C	X	-72.258	48
53	MP4C	Z	-41.718	48
54	MP4C	Mx	-.036	48
55	MP3A	X	-122.503	6
56	MP3A	Z	-70.727	6
57	MP3A	Mx	.014	6
58	MP3A	X	-122.503	54
59	MP3A	Z	-70.727	54

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
60	MP3A	Mx	.014	54
61	MP3B	X	-151.689	6
62	MP3B	Z	-87.578	6
63	MP3B	Mx	.117	6
64	MP3B	X	-151.689	54
65	MP3B	Z	-87.578	54
66	MP3B	Mx	.117	54
67	MP3C	X	-122.503	6
68	MP3C	Z	-70.727	6
69	MP3C	Mx	-.108	6
70	MP3C	X	-122.503	54
71	MP3C	Z	-70.727	54
72	MP3C	Mx	-.108	54
73	MP3A	X	-122.503	6
74	MP3A	Z	-70.727	6
75	MP3A	Mx	.108	6
76	MP3A	X	-122.503	54
77	MP3A	Z	-70.727	54
78	MP3A	Mx	.108	54
79	MP3B	X	-151.689	6
80	MP3B	Z	-87.578	6
81	MP3B	Mx	-.117	6
82	MP3B	X	-151.689	54
83	MP3B	Z	-87.578	54
84	MP3B	Mx	-.117	54
85	MP3C	X	-122.503	6
86	MP3C	Z	-70.727	6
87	MP3C	Mx	-.014	6
88	MP3C	X	-122.503	54
89	MP3C	Z	-70.727	54
90	MP3C	Mx	-.014	54
91	M121	X	-52.715	18
92	M121	Z	-30.435	18
93	M121	Mx	0	18
94	M121	X	-50.89	18
95	M121	Z	-29.381	18
96	M121	Mx	0	18
97	M147	X	-52.715	18
98	M147	Z	-30.435	18
99	M147	Mx	0	18
100	M147	X	-50.89	18
101	M147	Z	-29.381	18
102	M147	Mx	0	18
103	M134A	X	-52.715	18
104	M134A	Z	-30.435	18
105	M134A	Mx	0	18
106	M134A	X	-50.89	18
107	M134A	Z	-29.381	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	X	-35.36	18
2	MP2A	Z	-61.244	18
3	MP2A	Mx	.018	18
4	MP2A	X	-35.36	42

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
5	MP2A	Z	-61.244	42
6	MP2A	Mx	.018	42
7	MP2B	X	-35.36	18
8	MP2B	Z	-61.244	18
9	MP2B	Mx	.018	18
10	MP2B	X	-35.36	42
11	MP2B	Z	-61.244	42
12	MP2B	Mx	.018	42
13	MP2C	X	-16.327	18
14	MP2C	Z	-28.279	18
15	MP2C	Mx	-.016	18
16	MP2C	X	-16.327	42
17	MP2C	Z	-28.279	42
18	MP2C	Mx	-.016	42
19	MP1A	X	-29.345	12
20	MP1A	Z	-50.828	12
21	MP1A	Mx	.015	12
22	MP1A	X	-29.345	48
23	MP1A	Z	-50.828	48
24	MP1A	Mx	.015	48
25	MP1B	X	-29.345	12
26	MP1B	Z	-50.828	12
27	MP1B	Mx	.015	12
28	MP1B	X	-29.345	48
29	MP1B	Z	-50.828	48
30	MP1B	Mx	.015	48
31	MP1C	X	-47.905	12
32	MP1C	Z	-82.974	12
33	MP1C	Mx	-.048	12
34	MP1C	X	-47.905	48
35	MP1C	Z	-82.974	48
36	MP1C	Mx	-.048	48
37	MP4A	X	-29.345	12
38	MP4A	Z	-50.828	12
39	MP4A	Mx	.015	12
40	MP4A	X	-29.345	48
41	MP4A	Z	-50.828	48
42	MP4A	Mx	.015	48
43	MP4B	X	-29.345	12
44	MP4B	Z	-50.828	12
45	MP4B	Mx	.015	12
46	MP4B	X	-29.345	48
47	MP4B	Z	-50.828	48
48	MP4B	Mx	.015	48
49	MP4C	X	-47.905	12
50	MP4C	Z	-82.974	12
51	MP4C	Mx	-.048	12
52	MP4C	X	-47.905	48
53	MP4C	Z	-82.974	48
54	MP4C	Mx	-.048	48
55	MP3A	X	-81.961	6
56	MP3A	Z	-141.961	6
57	MP3A	Mx	-.054	6
58	MP3A	X	-81.961	54
59	MP3A	Z	-141.961	54
60	MP3A	Mx	-.054	54
61	MP3B	X	-81.961	6

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
62	MP3B	Z	-141.961	6
63	MP3B	Mx	.136	6
64	MP3B	X	-81.961	54
65	MP3B	Z	-141.961	54
66	MP3B	Mx	.136	54
67	MP3C	X	-65.111	6
68	MP3C	Z	-112.775	6
69	MP3C	Mx	-.065	6
70	MP3C	X	-65.111	54
71	MP3C	Z	-112.775	54
72	MP3C	Mx	-.065	54
73	MP3A	X	-81.961	6
74	MP3A	Z	-141.961	6
75	MP3A	Mx	.136	6
76	MP3A	X	-81.961	54
77	MP3A	Z	-141.961	54
78	MP3A	Mx	.136	54
79	MP3B	X	-81.961	6
80	MP3B	Z	-141.961	6
81	MP3B	Mx	-.054	6
82	MP3B	X	-81.961	54
83	MP3B	Z	-141.961	54
84	MP3B	Mx	-.054	54
85	MP3C	X	-65.111	6
86	MP3C	Z	-112.775	6
87	MP3C	Mx	-.065	6
88	MP3C	X	-65.111	54
89	MP3C	Z	-112.775	54
90	MP3C	Mx	-.065	54
91	M121	X	-33.185	18
92	M121	Z	-57.479	18
93	M121	Mx	0	18
94	M121	X	-33.185	18
95	M121	Z	-57.479	18
96	M121	Mx	0	18
97	M147	X	-33.185	18
98	M147	Z	-57.479	18
99	M147	Mx	0	18
100	M147	X	-33.185	18
101	M147	Z	-57.479	18
102	M147	Mx	0	18
103	M134A	X	-33.185	18
104	M134A	Z	-57.479	18
105	M134A	Mx	0	18
106	M134A	X	-33.185	18
107	M134A	Z	-57.479	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP2A	X	0	18
2	MP2A	Z	-15.571	18
3	MP2A	Mx	0	18
4	MP2A	X	0	42
5	MP2A	Z	-15.571	42
6	MP2A	Mx	0	42

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
7	MP2B	X	0	18
8	MP2B	Z	-8.868	18
9	MP2B	Mx	.004	18
10	MP2B	X	0	42
11	MP2B	Z	-8.868	42
12	MP2B	Mx	.004	42
13	MP2C	X	0	18
14	MP2C	Z	-8.868	18
15	MP2C	Mx	-.004	18
16	MP2C	X	0	42
17	MP2C	Z	-8.868	42
18	MP2C	Mx	-.004	42
19	MP1A	X	0	12
20	MP1A	Z	-9.278	12
21	MP1A	Mx	0	12
22	MP1A	X	0	48
23	MP1A	Z	-9.278	48
24	MP1A	Mx	0	48
25	MP1B	X	0	12
26	MP1B	Z	-15.614	12
27	MP1B	Mx	.007	12
28	MP1B	X	0	48
29	MP1B	Z	-15.614	48
30	MP1B	Mx	.007	48
31	MP1C	X	0	12
32	MP1C	Z	-15.614	12
33	MP1C	Mx	-.007	12
34	MP1C	X	0	48
35	MP1C	Z	-15.614	48
36	MP1C	Mx	-.007	48
37	MP4A	X	0	12
38	MP4A	Z	-9.278	12
39	MP4A	Mx	0	12
40	MP4A	X	0	48
41	MP4A	Z	-9.278	48
42	MP4A	Mx	0	48
43	MP4B	X	0	12
44	MP4B	Z	-15.614	12
45	MP4B	Mx	.007	12
46	MP4B	X	0	48
47	MP4B	Z	-15.614	48
48	MP4B	Mx	.007	48
49	MP4C	X	0	12
50	MP4C	Z	-15.614	12
51	MP4C	Mx	-.007	12
52	MP4C	X	0	48
53	MP4C	Z	-15.614	48
54	MP4C	Mx	-.007	48
55	MP3A	X	0	6
56	MP3A	Z	-31.563	6
57	MP3A	Mx	-.021	6
58	MP3A	X	0	54
59	MP3A	Z	-31.563	54
60	MP3A	Mx	-.021	54
61	MP3B	X	0	6
62	MP3B	Z	-25.799	6
63	MP3B	Mx	.02	6



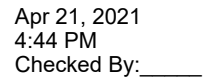
Member Point Loads (BLC 15 : Antenna Wi (0 Deg)) (Continued)

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
1	MP2A	X	6.668	18
2	MP2A	Z	-11.55	18
3	MP2A	Mx	-.003	18
4	MP2A	X	6.668	42
5	MP2A	Z	-11.55	42
6	MP2A	Mx	-.003	42
7	MP2B	X	3.317	18
8	MP2B	Z	-5.744	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
9	MP2B	Mx	.003	18
10	MP2B	X	3.317	42
11	MP2B	Z	-5.744	42
12	MP2B	Mx	.003	42
13	MP2C	X	6.668	18
14	MP2C	Z	-11.55	18
15	MP2C	Mx	-.003	18
16	MP2C	X	6.668	42
17	MP2C	Z	-11.55	42
18	MP2C	Mx	-.003	42
19	MP1A	X	5.695	12
20	MP1A	Z	-9.864	12
21	MP1A	Mx	-.003	12
22	MP1A	X	5.695	48
23	MP1A	Z	-9.864	48
24	MP1A	Mx	-.003	48
25	MP1B	X	8.863	12
26	MP1B	Z	-15.351	12
27	MP1B	Mx	.009	12
28	MP1B	X	8.863	48
29	MP1B	Z	-15.351	48
30	MP1B	Mx	.009	48
31	MP1C	X	5.695	12
32	MP1C	Z	-9.864	12
33	MP1C	Mx	-.003	12
34	MP1C	X	5.695	48
35	MP1C	Z	-9.864	48
36	MP1C	Mx	-.003	48
37	MP4A	X	5.695	12
38	MP4A	Z	-9.864	12
39	MP4A	Mx	-.003	12
40	MP4A	X	5.695	48
41	MP4A	Z	-9.864	48
42	MP4A	Mx	-.003	48
43	MP4B	X	8.863	12
44	MP4B	Z	-15.351	12
45	MP4B	Mx	.009	12
46	MP4B	X	8.863	48
47	MP4B	Z	-15.351	48
48	MP4B	Mx	.009	48
49	MP4C	X	5.695	12
50	MP4C	Z	-9.864	12
51	MP4C	Mx	-.003	12
52	MP4C	X	5.695	48
53	MP4C	Z	-9.864	48
54	MP4C	Mx	-.003	48
55	MP3A	X	14.821	6
56	MP3A	Z	-25.671	6
57	MP3A	Mx	-.025	6
58	MP3A	X	14.821	54
59	MP3A	Z	-25.671	54
60	MP3A	Mx	-.025	54
61	MP3B	X	11.939	6
62	MP3B	Z	-20.679	6
63	MP3B	Mx	.012	6
64	MP3B	X	11.939	54
65	MP3B	Z	-20.679	54



	Member Label	Direction	Magnitude[lb.k-ft]	Location[in, %]
66	MP3B	Mx	.012	54
67	MP3C	X	14.821	6
68	MP3C	Z	-25.671	6
69	MP3C	Mx	.01	6
70	MP3C	X	14.821	54
71	MP3C	Z	-25.671	54
72	MP3C	Mx	.01	54
73	MP3A	X	14.821	6
74	MP3A	Z	-25.671	6
75	MP3A	Mx	.01	6
76	MP3A	X	14.821	54
77	MP3A	Z	-25.671	54
78	MP3A	Mx	.01	54
79	MP3B	X	11.939	6
80	MP3B	Z	-20.679	6
81	MP3B	Mx	.012	6
82	MP3B	X	11.939	54
83	MP3B	Z	-20.679	54
84	MP3B	Mx	.012	54
85	MP3C	X	14.821	6
86	MP3C	Z	-25.671	6
87	MP3C	Mx	-.025	6
88	MP3C	X	14.821	54
89	MP3C	Z	-25.671	54
90	MP3C	Mx	-.025	54
91	M121	X	5.064	18
92	M121	Z	-8.771	18
93	M121	Mx	0	18
94	M121	X	4.495	18
95	M121	Z	-7.785	18
96	M121	Mx	0	18
97	M147	X	5.064	18
98	M147	Z	-8.771	18
99	M147	Mx	0	18
100	M147	X	4.495	18
101	M147	Z	-7.785	18
102	M147	Mx	0	18
103	M134A	X	5.064	18
104	M134A	Z	-8.771	18
105	M134A	Mx	0	18
106	M134A	X	4.495	18
107	M134A	Z	-7.785	18
108	M134A	Mx	0	18

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	X	7.68	18
2	MP2A	Z	-4.434	18
3	MP2A	Mx	-.004	18
4	MP2A	X	7.68	42
5	MP2A	Z	-4.434	42
6	MP2A	Mx	-.004	42
7	MP2B	X	7.68	18
8	MP2B	Z	-4.434	18
9	MP2B	Mx	.004	18
10	MP2B	X	7.68	42

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
11	MP2B	Z	-4.434	42
12	MP2B	Mx	.004	42
13	MP2C	X	13.485	18
14	MP2C	Z	-7.786	18
15	MP2C	Mx	0	18
16	MP2C	X	13.485	42
17	MP2C	Z	-7.786	42
18	MP2C	Mx	0	42
19	MP1A	X	13.522	12
20	MP1A	Z	-7.807	12
21	MP1A	Mx	-.007	12
22	MP1A	X	13.522	48
23	MP1A	Z	-7.807	48
24	MP1A	Mx	-.007	48
25	MP1B	X	13.522	12
26	MP1B	Z	-7.807	12
27	MP1B	Mx	.007	12
28	MP1B	X	13.522	48
29	MP1B	Z	-7.807	48
30	MP1B	Mx	.007	48
31	MP1C	X	8.035	12
32	MP1C	Z	-4.639	12
33	MP1C	Mx	0	12
34	MP1C	X	8.035	48
35	MP1C	Z	-4.639	48
36	MP1C	Mx	0	48
37	MP4A	X	13.522	12
38	MP4A	Z	-7.807	12
39	MP4A	Mx	-.007	12
40	MP4A	X	13.522	48
41	MP4A	Z	-7.807	48
42	MP4A	Mx	-.007	48
43	MP4B	X	13.522	12
44	MP4B	Z	-7.807	12
45	MP4B	Mx	.007	12
46	MP4B	X	13.522	48
47	MP4B	Z	-7.807	48
48	MP4B	Mx	.007	48
49	MP4C	X	8.035	12
50	MP4C	Z	-4.639	12
51	MP4C	Mx	0	12
52	MP4C	X	8.035	48
53	MP4C	Z	-4.639	48
54	MP4C	Mx	0	48
55	MP3A	X	22.343	6
56	MP3A	Z	-12.9	6
57	MP3A	Mx	-.02	6
58	MP3A	X	22.343	54
59	MP3A	Z	-12.9	54
60	MP3A	Mx	-.02	54
61	MP3B	X	22.343	6
62	MP3B	Z	-12.9	6
63	MP3B	Mx	.003	6
64	MP3B	X	22.343	54
65	MP3B	Z	-12.9	54
66	MP3B	Mx	.003	54
67	MP3C	X	27.335	6

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

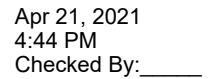
	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
68	MP3C	Z	-15.782	6
69	MP3C	Mx	.021	6
70	MP3C	X	27.335	54
71	MP3C	Z	-15.782	54
72	MP3C	Mx	.021	54
73	MP3A	X	22.343	6
74	MP3A	Z	-12.9	6
75	MP3A	Mx	-.003	6
76	MP3A	X	22.343	54
77	MP3A	Z	-12.9	54
78	MP3A	Mx	-.003	54
79	MP3B	X	22.343	6
80	MP3B	Z	-12.9	6
81	MP3B	Mx	.02	6
82	MP3B	X	22.343	54
83	MP3B	Z	-12.9	54
84	MP3B	Mx	.02	54
85	MP3C	X	27.335	6
86	MP3C	Z	-15.782	6
87	MP3C	Mx	-.021	6
88	MP3C	X	27.335	54
89	MP3C	Z	-15.782	54
90	MP3C	Mx	-.021	54
91	M121	X	7.906	18
92	M121	Z	-4.565	18
93	M121	Mx	0	18
94	M121	X	6.592	18
95	M121	Z	-3.806	18
96	M121	Mx	0	18
97	M147	X	7.906	18
98	M147	Z	-4.565	18
99	M147	Mx	0	18
100	M147	X	6.592	18
101	M147	Z	-3.806	18
102	M147	Mx	0	18
103	M134A	X	7.906	18
104	M134A	Z	-4.565	18
105	M134A	Mx	0	18
106	M134A	X	6.592	18
107	M134A	Z	-3.806	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	X	6.633	18
2	MP2A	Z	0	18
3	MP2A	Mx	-.003	18
4	MP2A	X	6.633	42
5	MP2A	Z	0	42
6	MP2A	Mx	-.003	42
7	MP2B	X	13.337	18
8	MP2B	Z	0	18
9	MP2B	Mx	.003	18
10	MP2B	X	13.337	42
11	MP2B	Z	0	42
12	MP2B	Mx	.003	42

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
13	MP2C	X	13.337	18
14	MP2C	Z	0	18
15	MP2C	Mx	.003	18
16	MP2C	X	13.337	42
17	MP2C	Z	0	42
18	MP2C	Mx	.003	42
19	MP1A	X	17.726	12
20	MP1A	Z	0	12
21	MP1A	Mx	-.009	12
22	MP1A	X	17.726	48
23	MP1A	Z	0	48
24	MP1A	Mx	-.009	48
25	MP1B	X	11.39	12
26	MP1B	Z	0	12
27	MP1B	Mx	.003	12
28	MP1B	X	11.39	48
29	MP1B	Z	0	48
30	MP1B	Mx	.003	48
31	MP1C	X	11.39	12
32	MP1C	Z	0	12
33	MP1C	Mx	.003	12
34	MP1C	X	11.39	48
35	MP1C	Z	0	48
36	MP1C	Mx	.003	48
37	MP4A	X	17.726	12
38	MP4A	Z	0	12
39	MP4A	Mx	-.009	12
40	MP4A	X	17.726	48
41	MP4A	Z	0	48
42	MP4A	Mx	-.009	48
43	MP4B	X	11.39	12
44	MP4B	Z	0	12
45	MP4B	Mx	.003	12
46	MP4B	X	11.39	48
47	MP4B	Z	0	48
48	MP4B	Mx	.003	48
49	MP4C	X	11.39	12
50	MP4C	Z	0	12
51	MP4C	Mx	.003	12
52	MP4C	X	11.39	48
53	MP4C	Z	0	48
54	MP4C	Mx	.003	48
55	MP3A	X	23.878	6
56	MP3A	Z	0	6
57	MP3A	Mx	-.012	6
58	MP3A	X	23.878	54
59	MP3A	Z	0	54
60	MP3A	Mx	-.012	54
61	MP3B	X	29.642	6
62	MP3B	Z	0	6
63	MP3B	Mx	-.01	6
64	MP3B	X	29.642	54
65	MP3B	Z	0	54
66	MP3B	Mx	-.01	54
67	MP3C	X	29.642	6
68	MP3C	Z	0	6
69	MP3C	Mx	.025	6



	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
70	MP3C	X	29.642	54
71	MP3C	Z	0	54
72	MP3C	Mx	.025	54
73	MP3A	X	23.878	6
74	MP3A	Z	0	6
75	MP3A	Mx	-.012	6
76	MP3A	X	23.878	54
77	MP3A	Z	0	54
78	MP3A	Mx	-.012	54
79	MP3B	X	29.642	6
80	MP3B	Z	0	6
81	MP3B	Mx	.025	6
82	MP3B	X	29.642	54
83	MP3B	Z	0	54
84	MP3B	Mx	.025	54
85	MP3C	X	29.642	6
86	MP3C	Z	0	6
87	MP3C	Mx	-.01	6
88	MP3C	X	29.642	54
89	MP3C	Z	0	54
90	MP3C	Mx	-.01	54
91	M121	X	10.128	18
92	M121	Z	0	18
93	M121	Mx	0	18
94	M121	X	8.989	18
95	M121	Z	0	18
96	M121	Mx	0	18
97	M147	X	10.128	18
98	M147	Z	0	18
99	M147	Mx	0	18
100	M147	X	8.989	18
101	M147	Z	0	18
102	M147	Mx	0	18
103	M134A	X	10.128	18
104	M134A	Z	0	18
105	M134A	Mx	0	18
106	M134A	X	8.989	18
107	M134A	Z	0	18
108	M134A	Mx	0	18

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP2A	X	7.68	18
2	MP2A	Z	4.434	18
3	MP2A	Mx	-.004	18
4	MP2A	X	7.68	42
5	MP2A	Z	4.434	42
6	MP2A	Mx	-.004	42
7	MP2B	X	13.485	18
8	MP2B	Z	7.786	18
9	MP2B	Mx	0	18
10	MP2B	X	13.485	42
11	MP2B	Z	7.786	42
12	MP2B	Mx	0	42
13	MP2C	X	7.68	18
14	MP2C	Z	4.434	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
15	MP2C	Mx	.004	18
16	MP2C	X	7.68	42
17	MP2C	Z	4.434	42
18	MP2C	Mx	.004	42
19	MP1A	X	13.522	12
20	MP1A	Z	7.807	12
21	MP1A	Mx	-.007	12
22	MP1A	X	13.522	48
23	MP1A	Z	7.807	48
24	MP1A	Mx	-.007	48
25	MP1B	X	8.035	12
26	MP1B	Z	4.639	12
27	MP1B	Mx	0	12
28	MP1B	X	8.035	48
29	MP1B	Z	4.639	48
30	MP1B	Mx	0	48
31	MP1C	X	13.522	12
32	MP1C	Z	7.807	12
33	MP1C	Mx	.007	12
34	MP1C	X	13.522	48
35	MP1C	Z	7.807	48
36	MP1C	Mx	.007	48
37	MP4A	X	13.522	12
38	MP4A	Z	7.807	12
39	MP4A	Mx	-.007	12
40	MP4A	X	13.522	48
41	MP4A	Z	7.807	48
42	MP4A	Mx	-.007	48
43	MP4B	X	8.035	12
44	MP4B	Z	4.639	12
45	MP4B	Mx	0	12
46	MP4B	X	8.035	48
47	MP4B	Z	4.639	48
48	MP4B	Mx	0	48
49	MP4C	X	13.522	12
50	MP4C	Z	7.807	12
51	MP4C	Mx	.007	12
52	MP4C	X	13.522	48
53	MP4C	Z	7.807	48
54	MP4C	Mx	.007	48
55	MP3A	X	22.343	6
56	MP3A	Z	12.9	6
57	MP3A	Mx	-.003	6
58	MP3A	X	22.343	54
59	MP3A	Z	12.9	54
60	MP3A	Mx	-.003	54
61	MP3B	X	27.335	6
62	MP3B	Z	15.782	6
63	MP3B	Mx	-.021	6
64	MP3B	X	27.335	54
65	MP3B	Z	15.782	54
66	MP3B	Mx	-.021	54
67	MP3C	X	22.343	6
68	MP3C	Z	12.9	6
69	MP3C	Mx	.02	6
70	MP3C	X	22.343	54
71	MP3C	Z	12.9	54

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
72	MP3C	Mx	.02	54
73	MP3A	X	22.343	6
74	MP3A	Z	12.9	6
75	MP3A	Mx	-.02	6
76	MP3A	X	22.343	54
77	MP3A	Z	12.9	54
78	MP3A	Mx	-.02	54
79	MP3B	X	27.335	6
80	MP3B	Z	15.782	6
81	MP3B	Mx	.021	6
82	MP3B	X	27.335	54
83	MP3B	Z	15.782	54
84	MP3B	Mx	.021	54
85	MP3C	X	22.343	6
86	MP3C	Z	12.9	6
87	MP3C	Mx	.003	6
88	MP3C	X	22.343	54
89	MP3C	Z	12.9	54
90	MP3C	Mx	.003	54
91	M121	X	10.501	18
92	M121	Z	6.063	18
93	M121	Mx	0	18
94	M121	X	10.172	18
95	M121	Z	5.873	18
96	M121	Mx	0	18
97	M147	X	10.501	18
98	M147	Z	6.063	18
99	M147	Mx	0	18
100	M147	X	10.172	18
101	M147	Z	5.873	18
102	M147	Mx	0	18
103	M134A	X	10.501	18
104	M134A	Z	6.063	18
105	M134A	Mx	0	18
106	M134A	X	10.172	18
107	M134A	Z	5.873	18
108	M134A	Mx	0	18

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

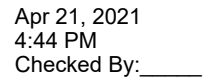
	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP2A	X	6.668	18
2	MP2A	Z	11.55	18
3	MP2A	Mx	-.003	18
4	MP2A	X	6.668	42
5	MP2A	Z	11.55	42
6	MP2A	Mx	-.003	42
7	MP2B	X	6.668	18
8	MP2B	Z	11.55	18
9	MP2B	Mx	-.003	18
10	MP2B	X	6.668	42
11	MP2B	Z	11.55	42
12	MP2B	Mx	-.003	42
13	MP2C	X	3.317	18
14	MP2C	Z	5.744	18
15	MP2C	Mx	.003	18
16	MP2C	X	3.317	42



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
17	MP2C	Z	5.744	42
18	MP2C	Mx	.003	42
19	MP1A	X	5.695	12
20	MP1A	Z	9.864	12
21	MP1A	Mx	-.003	12
22	MP1A	X	5.695	48
23	MP1A	Z	9.864	48
24	MP1A	Mx	-.003	48
25	MP1B	X	5.695	12
26	MP1B	Z	9.864	12
27	MP1B	Mx	-.003	12
28	MP1B	X	5.695	48
29	MP1B	Z	9.864	48
30	MP1B	Mx	-.003	48
31	MP1C	X	8.863	12
32	MP1C	Z	15.351	12
33	MP1C	Mx	.009	12
34	MP1C	X	8.863	48
35	MP1C	Z	15.351	48
36	MP1C	Mx	.009	48
37	MP4A	X	5.695	12
38	MP4A	Z	9.864	12
39	MP4A	Mx	-.003	12
40	MP4A	X	5.695	48
41	MP4A	Z	9.864	48
42	MP4A	Mx	-.003	48
43	MP4B	X	5.695	12
44	MP4B	Z	9.864	12
45	MP4B	Mx	-.003	12
46	MP4B	X	5.695	48
47	MP4B	Z	9.864	48
48	MP4B	Mx	-.003	48
49	MP4C	X	8.863	12
50	MP4C	Z	15.351	12
51	MP4C	Mx	.009	12
52	MP4C	X	8.863	48
53	MP4C	Z	15.351	48
54	MP4C	Mx	.009	48
55	MP3A	X	14.821	6
56	MP3A	Z	25.671	6
57	MP3A	Mx	.01	6
58	MP3A	X	14.821	54
59	MP3A	Z	25.671	54
60	MP3A	Mx	.01	54
61	MP3B	X	14.821	6
62	MP3B	Z	25.671	6
63	MP3B	Mx	-.025	6
64	MP3B	X	14.821	54
65	MP3B	Z	25.671	54
66	MP3B	Mx	-.025	54
67	MP3C	X	11.939	6
68	MP3C	Z	20.679	6
69	MP3C	Mx	.012	6
70	MP3C	X	11.939	54
71	MP3C	Z	20.679	54
72	MP3C	Mx	.012	54
73	MP3A	X	14.821	6

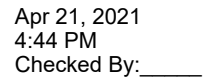


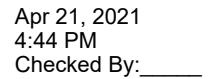
	Member Label	Direction	Magnitude[lb.k-ft]	Location[in, %]
74	MP3A	Z	25.671	6
75	MP3A	Mx	-.025	6
76	MP3A	X	14.821	54
77	MP3A	Z	25.671	54
78	MP3A	Mx	-.025	54
79	MP3B	X	14.821	6
80	MP3B	Z	25.671	6
81	MP3B	Mx	.01	6
82	MP3B	X	14.821	54
83	MP3B	Z	25.671	54
84	MP3B	Mx	.01	54
85	MP3C	X	11.939	6
86	MP3C	Z	20.679	6
87	MP3C	Mx	.012	6
88	MP3C	X	11.939	54
89	MP3C	Z	20.679	54
90	MP3C	Mx	.012	54
91	M121	X	6.562	18
92	M121	Z	11.366	18
93	M121	Mx	0	18
94	M121	X	6.562	18
95	M121	Z	11.366	18
96	M121	Mx	0	18
97	M147	X	6.562	18
98	M147	Z	11.366	18
99	M147	Mx	0	18
100	M147	X	6.562	18
101	M147	Z	11.366	18
102	M147	Mx	0	18
103	M134A	X	6.562	18
104	M134A	Z	11.366	18
105	M134A	Mx	0	18
106	M134A	X	6.562	18
107	M134A	Z	11.366	18
108	M134A	Mx	0	18

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP2A	X	0	18
2	MP2A	Z	15.571	18
3	MP2A	Mx	0	18
4	MP2A	X	0	42
5	MP2A	Z	15.571	42
6	MP2A	Mx	0	42
7	MP2B	X	0	18
8	MP2B	Z	8.868	18
9	MP2B	Mx	-.004	18
10	MP2B	X	0	42
11	MP2B	Z	8.868	42
12	MP2B	Mx	-.004	42
13	MP2C	X	0	18
14	MP2C	Z	8.868	18
15	MP2C	Mx	.004	18
16	MP2C	X	0	42
17	MP2C	Z	8.868	42
18	MP2C	Mx	.004	42

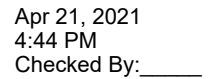
Member Point Loads (BLC 21 : Antenna Wi (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
19	MP1A	X	0	12
20	MP1A	Z	9.278	12
21	MP1A	Mx	0	12
22	MP1A	X	0	48
23	MP1A	Z	9.278	48
24	MP1A	Mx	0	48
25	MP1B	X	0	12
26	MP1B	Z	15.614	12
27	MP1B	Mx	-.007	12
28	MP1B	X	0	48
29	MP1B	Z	15.614	48
30	MP1B	Mx	-.007	48
31	MP1C	X	0	12
32	MP1C	Z	15.614	12
33	MP1C	Mx	.007	12
34	MP1C	X	0	48
35	MP1C	Z	15.614	48
36	MP1C	Mx	.007	48
37	MP4A	X	0	12
38	MP4A	Z	9.278	12
39	MP4A	Mx	0	12
40	MP4A	X	0	48
41	MP4A	Z	9.278	48
42	MP4A	Mx	0	48
43	MP4B	X	0	12
44	MP4B	Z	15.614	12
45	MP4B	Mx	-.007	12
46	MP4B	X	0	48
47	MP4B	Z	15.614	48
48	MP4B	Mx	-.007	48
49	MP4C	X	0	12
50	MP4C	Z	15.614	12
51	MP4C	Mx	.007	12
52	MP4C	X	0	48
53	MP4C	Z	15.614	48
54	MP4C	Mx	.007	48
55	MP3A	X	0	6
56	MP3A	Z	31.563	6
57	MP3A	Mx	.021	6
58	MP3A	X	0	54
59	MP3A	Z	31.563	54
60	MP3A	Mx	.021	54
61	MP3B	X	0	6
62	MP3B	Z	25.799	6
63	MP3B	Mx	-.02	6
64	MP3B	X	0	54
65	MP3B	Z	25.799	54
66	MP3B	Mx	-.02	54
67	MP3C	X	0	6
68	MP3C	Z	25.799	6
69	MP3C	Mx	.003	6
70	MP3C	X	0	54
71	MP3C	Z	25.799	54
72	MP3C	Mx	.003	54
73	MP3A	X	0	6
74	MP3A	Z	31.563	6
75	MP3A	Mx	-.021	6





	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
21	MP1A	Mx	.003	12
22	MP1A	X	-5.695	48
23	MP1A	Z	9.864	48
24	MP1A	Mx	.003	48
25	MP1B	X	-8.863	12
26	MP1B	Z	15.351	12
27	MP1B	Mx	-.009	12
28	MP1B	X	-8.863	48
29	MP1B	Z	15.351	48
30	MP1B	Mx	-.009	48
31	MP1C	X	-5.695	12
32	MP1C	Z	9.864	12
33	MP1C	Mx	.003	12
34	MP1C	X	-5.695	48
35	MP1C	Z	9.864	48
36	MP1C	Mx	.003	48
37	MP4A	X	-5.695	12
38	MP4A	Z	9.864	12
39	MP4A	Mx	.003	12
40	MP4A	X	-5.695	48
41	MP4A	Z	9.864	48
42	MP4A	Mx	.003	48
43	MP4B	X	-8.863	12
44	MP4B	Z	15.351	12
45	MP4B	Mx	-.009	12
46	MP4B	X	-8.863	48
47	MP4B	Z	15.351	48
48	MP4B	Mx	-.009	48
49	MP4C	X	-5.695	12
50	MP4C	Z	9.864	12
51	MP4C	Mx	.003	12
52	MP4C	X	-5.695	48
53	MP4C	Z	9.864	48
54	MP4C	Mx	.003	48
55	MP3A	X	-14.821	6
56	MP3A	Z	25.671	6
57	MP3A	Mx	.025	6
58	MP3A	X	-14.821	54
59	MP3A	Z	25.671	54
60	MP3A	Mx	.025	54
61	MP3B	X	-11.939	6
62	MP3B	Z	20.679	6
63	MP3B	Mx	-.012	6
64	MP3B	X	-11.939	54
65	MP3B	Z	20.679	54
66	MP3B	Mx	-.012	54
67	MP3C	X	-14.821	6
68	MP3C	Z	25.671	6
69	MP3C	Mx	-.01	6
70	MP3C	X	-14.821	54
71	MP3C	Z	25.671	54
72	MP3C	Mx	-.01	54
73	MP3A	X	-14.821	6
74	MP3A	Z	25.671	6
75	MP3A	Mx	-.01	6
76	MP3A	X	-14.821	54
77	MP3A	Z	25.671	54



	Member Label	Direction	Magnitude[lb.k-ft]	Location[in, %]
78	MP3A	Mx	-.01	54
79	MP3B	X	-11.939	6
80	MP3B	Z	20.679	6
81	MP3B	Mx	-.012	6
82	MP3B	X	-11.939	54
83	MP3B	Z	20.679	54
84	MP3B	Mx	-.012	54
85	MP3C	X	-14.821	6
86	MP3C	Z	25.671	6
87	MP3C	Mx	.025	6
88	MP3C	X	-14.821	54
89	MP3C	Z	25.671	54
90	MP3C	Mx	.025	54
91	M121	X	-5.064	18
92	M121	Z	8.771	18
93	M121	Mx	0	18
94	M121	X	-4.495	18
95	M121	Z	7.785	18
96	M121	Mx	0	18
97	M147	X	-5.064	18
98	M147	Z	8.771	18
99	M147	Mx	0	18
100	M147	X	-4.495	18
101	M147	Z	7.785	18
102	M147	Mx	0	18
103	M134A	X	-5.064	18
104	M134A	Z	8.771	18
105	M134A	Mx	0	18
106	M134A	X	-4.495	18
107	M134A	Z	7.785	18
108	M134A	Mx	0	18

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP2A	X	-7.68	18
2	MP2A	Z	4.434	18
3	MP2A	Mx	.004	18
4	MP2A	X	-7.68	42
5	MP2A	Z	4.434	42
6	MP2A	Mx	.004	42
7	MP2B	X	-7.68	18
8	MP2B	Z	4.434	18
9	MP2B	Mx	-.004	18
10	MP2B	X	-7.68	42
11	MP2B	Z	4.434	42
12	MP2B	Mx	-.004	42
13	MP2C	X	-13.485	18
14	MP2C	Z	7.786	18
15	MP2C	Mx	0	18
16	MP2C	X	-13.485	42
17	MP2C	Z	7.786	42
18	MP2C	Mx	0	42
19	MP1A	X	-13.522	12
20	MP1A	Z	7.807	12
21	MP1A	Mx	.007	12
22	MP1A	X	-13.522	48

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
23	MP1A	Z	7.807	48
24	MP1A	Mx	.007	48
25	MP1B	X	-13.522	12
26	MP1B	Z	7.807	12
27	MP1B	Mx	-.007	12
28	MP1B	X	-13.522	48
29	MP1B	Z	7.807	48
30	MP1B	Mx	-.007	48
31	MP1C	X	-8.035	12
32	MP1C	Z	4.639	12
33	MP1C	Mx	0	12
34	MP1C	X	-8.035	48
35	MP1C	Z	4.639	48
36	MP1C	Mx	0	48
37	MP4A	X	-13.522	12
38	MP4A	Z	7.807	12
39	MP4A	Mx	.007	12
40	MP4A	X	-13.522	48
41	MP4A	Z	7.807	48
42	MP4A	Mx	.007	48
43	MP4B	X	-13.522	12
44	MP4B	Z	7.807	12
45	MP4B	Mx	-.007	12
46	MP4B	X	-13.522	48
47	MP4B	Z	7.807	48
48	MP4B	Mx	-.007	48
49	MP4C	X	-8.035	12
50	MP4C	Z	4.639	12
51	MP4C	Mx	0	12
52	MP4C	X	-8.035	48
53	MP4C	Z	4.639	48
54	MP4C	Mx	0	48
55	MP3A	X	-22.343	6
56	MP3A	Z	12.9	6
57	MP3A	Mx	.02	6
58	MP3A	X	-22.343	54
59	MP3A	Z	12.9	54
60	MP3A	Mx	.02	54
61	MP3B	X	-22.343	6
62	MP3B	Z	12.9	6
63	MP3B	Mx	-.003	6
64	MP3B	X	-22.343	54
65	MP3B	Z	12.9	54
66	MP3B	Mx	-.003	54
67	MP3C	X	-27.335	6
68	MP3C	Z	15.782	6
69	MP3C	Mx	-.021	6
70	MP3C	X	-27.335	54
71	MP3C	Z	15.782	54
72	MP3C	Mx	-.021	54
73	MP3A	X	-22.343	6
74	MP3A	Z	12.9	6
75	MP3A	Mx	.003	6
76	MP3A	X	-22.343	54
77	MP3A	Z	12.9	54
78	MP3A	Mx	.003	54
79	MP3B	X	-22.343	6

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

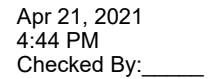
	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
80	MP3B	Z	12.9	6
81	MP3B	Mx	-.02	6
82	MP3B	X	-22.343	54
83	MP3B	Z	12.9	54
84	MP3B	Mx	-.02	54
85	MP3C	X	-27.335	6
86	MP3C	Z	15.782	6
87	MP3C	Mx	.021	6
88	MP3C	X	-27.335	54
89	MP3C	Z	15.782	54
90	MP3C	Mx	.021	54
91	M121	X	-7.906	18
92	M121	Z	4.565	18
93	M121	Mx	0	18
94	M121	X	-6.592	18
95	M121	Z	3.806	18
96	M121	Mx	0	18
97	M147	X	-7.906	18
98	M147	Z	4.565	18
99	M147	Mx	0	18
100	M147	X	-6.592	18
101	M147	Z	3.806	18
102	M147	Mx	0	18
103	M134A	X	-7.906	18
104	M134A	Z	4.565	18
105	M134A	Mx	0	18
106	M134A	X	-6.592	18
107	M134A	Z	3.806	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	-6.633	18
2	MP2A	Z	0	18
3	MP2A	Mx	.003	18
4	MP2A	X	-6.633	42
5	MP2A	Z	0	42
6	MP2A	Mx	.003	42
7	MP2B	X	-13.337	18
8	MP2B	Z	0	18
9	MP2B	Mx	-.003	18
10	MP2B	X	-13.337	42
11	MP2B	Z	0	42
12	MP2B	Mx	-.003	42
13	MP2C	X	-13.337	18
14	MP2C	Z	0	18
15	MP2C	Mx	-.003	18
16	MP2C	X	-13.337	42
17	MP2C	Z	0	42
18	MP2C	Mx	-.003	42
19	MP1A	X	-17.726	12
20	MP1A	Z	0	12
21	MP1A	Mx	.009	12
22	MP1A	X	-17.726	48
23	MP1A	Z	0	48
24	MP1A	Mx	.009	48

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1B	X	-11.39	12
26	MP1B	Z	0	12
27	MP1B	Mx	-.003	12
28	MP1B	X	-11.39	48
29	MP1B	Z	0	48
30	MP1B	Mx	-.003	48
31	MP1C	X	-11.39	12
32	MP1C	Z	0	12
33	MP1C	Mx	-.003	12
34	MP1C	X	-11.39	48
35	MP1C	Z	0	48
36	MP1C	Mx	-.003	48
37	MP4A	X	-17.726	12
38	MP4A	Z	0	12
39	MP4A	Mx	.009	12
40	MP4A	X	-17.726	48
41	MP4A	Z	0	48
42	MP4A	Mx	.009	48
43	MP4B	X	-11.39	12
44	MP4B	Z	0	12
45	MP4B	Mx	-.003	12
46	MP4B	X	-11.39	48
47	MP4B	Z	0	48
48	MP4B	Mx	-.003	48
49	MP4C	X	-11.39	12
50	MP4C	Z	0	12
51	MP4C	Mx	-.003	12
52	MP4C	X	-11.39	48
53	MP4C	Z	0	48
54	MP4C	Mx	-.003	48
55	MP3A	X	-23.878	6
56	MP3A	Z	0	6
57	MP3A	Mx	.012	6
58	MP3A	X	-23.878	54
59	MP3A	Z	0	54
60	MP3A	Mx	.012	54
61	MP3B	X	-29.642	6
62	MP3B	Z	0	6
63	MP3B	Mx	.01	6
64	MP3B	X	-29.642	54
65	MP3B	Z	0	54
66	MP3B	Mx	.01	54
67	MP3C	X	-29.642	6
68	MP3C	Z	0	6
69	MP3C	Mx	-.025	6
70	MP3C	X	-29.642	54
71	MP3C	Z	0	54
72	MP3C	Mx	-.025	54
73	MP3A	X	-23.878	6
74	MP3A	Z	0	6
75	MP3A	Mx	.012	6
76	MP3A	X	-23.878	54
77	MP3A	Z	0	54
78	MP3A	Mx	.012	54
79	MP3B	X	-29.642	6
80	MP3B	Z	0	6
81	MP3B	Mx	-.025	6



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
27	MP1B	Mx	0	12
28	MP1B	X	-8.035	48
29	MP1B	Z	-4.639	48
30	MP1B	Mx	0	48
31	MP1C	X	-13.522	12
32	MP1C	Z	-7.807	12
33	MP1C	Mx	-.007	12
34	MP1C	X	-13.522	48
35	MP1C	Z	-7.807	48
36	MP1C	Mx	-.007	48
37	MP4A	X	-13.522	12
38	MP4A	Z	-7.807	12
39	MP4A	Mx	.007	12
40	MP4A	X	-13.522	48
41	MP4A	Z	-7.807	48
42	MP4A	Mx	.007	48
43	MP4B	X	-8.035	12
44	MP4B	Z	-4.639	12
45	MP4B	Mx	0	12
46	MP4B	X	-8.035	48
47	MP4B	Z	-4.639	48
48	MP4B	Mx	0	48
49	MP4C	X	-13.522	12
50	MP4C	Z	-7.807	12
51	MP4C	Mx	-.007	12
52	MP4C	X	-13.522	48
53	MP4C	Z	-7.807	48
54	MP4C	Mx	-.007	48
55	MP3A	X	-22.343	6
56	MP3A	Z	-12.9	6
57	MP3A	Mx	.003	6
58	MP3A	X	-22.343	54
59	MP3A	Z	-12.9	54
60	MP3A	Mx	.003	54
61	MP3B	X	-27.335	6
62	MP3B	Z	-15.782	6
63	MP3B	Mx	.021	6
64	MP3B	X	-27.335	54
65	MP3B	Z	-15.782	54
66	MP3B	Mx	.021	54
67	MP3C	X	-22.343	6
68	MP3C	Z	-12.9	6
69	MP3C	Mx	-.02	6
70	MP3C	X	-22.343	54
71	MP3C	Z	-12.9	54
72	MP3C	Mx	-.02	54
73	MP3A	X	-22.343	6
74	MP3A	Z	-12.9	6
75	MP3A	Mx	.02	6
76	MP3A	X	-22.343	54
77	MP3A	Z	-12.9	54
78	MP3A	Mx	.02	54
79	MP3B	X	-27.335	6
80	MP3B	Z	-15.782	6
81	MP3B	Mx	-.021	6
82	MP3B	X	-27.335	54
83	MP3B	Z	-15.782	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
84	MP3B	Mx	-.021	54
85	MP3C	X	-22.343	6
86	MP3C	Z	-12.9	6
87	MP3C	Mx	-.003	6
88	MP3C	X	-22.343	54
89	MP3C	Z	-12.9	54
90	MP3C	Mx	-.003	54
91	M121	X	-10.501	18
92	M121	Z	-6.063	18
93	M121	Mx	0	18
94	M121	X	-10.172	18
95	M121	Z	-5.873	18
96	M121	Mx	0	18
97	M147	X	-10.501	18
98	M147	Z	-6.063	18
99	M147	Mx	0	18
100	M147	X	-10.172	18
101	M147	Z	-5.873	18
102	M147	Mx	0	18
103	M134A	X	-10.501	18
104	M134A	Z	-6.063	18
105	M134A	Mx	0	18
106	M134A	X	-10.172	18
107	M134A	Z	-5.873	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	X	-6.668	18
2	MP2A	Z	-11.55	18
3	MP2A	Mx	.003	18
4	MP2A	X	-6.668	42
5	MP2A	Z	-11.55	42
6	MP2A	Mx	.003	42
7	MP2B	X	-6.668	18
8	MP2B	Z	-11.55	18
9	MP2B	Mx	.003	18
10	MP2B	X	-6.668	42
11	MP2B	Z	-11.55	42
12	MP2B	Mx	.003	42
13	MP2C	X	-3.317	18
14	MP2C	Z	-5.744	18
15	MP2C	Mx	-.003	18
16	MP2C	X	-3.317	42
17	MP2C	Z	-5.744	42
18	MP2C	Mx	-.003	42
19	MP1A	X	-5.695	12
20	MP1A	Z	-9.864	12
21	MP1A	Mx	.003	12
22	MP1A	X	-5.695	48
23	MP1A	Z	-9.864	48
24	MP1A	Mx	.003	48
25	MP1B	X	-5.695	12
26	MP1B	Z	-9.864	12
27	MP1B	Mx	.003	12
28	MP1B	X	-5.695	48

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
29	MP1B	Z	-9.864	48
30	MP1B	Mx	.003	48
31	MP1C	X	-8.863	12
32	MP1C	Z	-15.351	12
33	MP1C	Mx	-.009	12
34	MP1C	X	-8.863	48
35	MP1C	Z	-15.351	48
36	MP1C	Mx	-.009	48
37	MP4A	X	-5.695	12
38	MP4A	Z	-9.864	12
39	MP4A	Mx	.003	12
40	MP4A	X	-5.695	48
41	MP4A	Z	-9.864	48
42	MP4A	Mx	.003	48
43	MP4B	X	-5.695	12
44	MP4B	Z	-9.864	12
45	MP4B	Mx	.003	12
46	MP4B	X	-5.695	48
47	MP4B	Z	-9.864	48
48	MP4B	Mx	.003	48
49	MP4C	X	-8.863	12
50	MP4C	Z	-15.351	12
51	MP4C	Mx	-.009	12
52	MP4C	X	-8.863	48
53	MP4C	Z	-15.351	48
54	MP4C	Mx	-.009	48
55	MP3A	X	-14.821	6
56	MP3A	Z	-25.671	6
57	MP3A	Mx	-.01	6
58	MP3A	X	-14.821	54
59	MP3A	Z	-25.671	54
60	MP3A	Mx	-.01	54
61	MP3B	X	-14.821	6
62	MP3B	Z	-25.671	6
63	MP3B	Mx	.025	6
64	MP3B	X	-14.821	54
65	MP3B	Z	-25.671	54
66	MP3B	Mx	.025	54
67	MP3C	X	-11.939	6
68	MP3C	Z	-20.679	6
69	MP3C	Mx	-.012	6
70	MP3C	X	-11.939	54
71	MP3C	Z	-20.679	54
72	MP3C	Mx	-.012	54
73	MP3A	X	-14.821	6
74	MP3A	Z	-25.671	6
75	MP3A	Mx	.025	6
76	MP3A	X	-14.821	54
77	MP3A	Z	-25.671	54
78	MP3A	Mx	.025	54
79	MP3B	X	-14.821	6
80	MP3B	Z	-25.671	6
81	MP3B	Mx	-.01	6
82	MP3B	X	-14.821	54
83	MP3B	Z	-25.671	54
84	MP3B	Mx	-.01	54
85	MP3C	X	-11.939	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
86	MP3C	Z	-20.679	6
87	MP3C	Mx	-.012	6
88	MP3C	X	-11.939	54
89	MP3C	Z	-20.679	54
90	MP3C	Mx	-.012	54
91	M121	X	-6.562	18
92	M121	Z	-11.366	18
93	M121	Mx	0	18
94	M121	X	-6.562	18
95	M121	Z	-11.366	18
96	M121	Mx	0	18
97	M147	X	-6.562	18
98	M147	Z	-11.366	18
99	M147	Mx	0	18
100	M147	X	-6.562	18
101	M147	Z	-11.366	18
102	M147	Mx	0	18
103	M134A	X	-6.562	18
104	M134A	Z	-11.366	18
105	M134A	Mx	0	18
106	M134A	X	-6.562	18
107	M134A	Z	-11.366	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
1	MP2A	X	0	18
2	MP2A	Z	-4.962	18
3	MP2A	Mx	0	18
4	MP2A	X	0	42
5	MP2A	Z	-4.962	42
6	MP2A	Mx	0	42
7	MP2B	X	0	18
8	MP2B	Z	-2.697	18
9	MP2B	Mx	.001	18
10	MP2B	X	0	42
11	MP2B	Z	-2.697	42
12	MP2B	Mx	.001	42
13	MP2C	X	0	18
14	MP2C	Z	-2.697	18
15	MP2C	Mx	-.001	18
16	MP2C	X	0	42
17	MP2C	Z	-2.697	42
18	MP2C	Mx	-.001	42
19	MP1A	X	0	12
20	MP1A	Z	-2.755	12
21	MP1A	Mx	0	12
22	MP1A	X	0	48
23	MP1A	Z	-2.755	48
24	MP1A	Mx	0	48
25	MP1B	X	0	12
26	MP1B	Z	-4.964	12
27	MP1B	Mx	.002	12
28	MP1B	X	0	48
29	MP1B	Z	-4.964	48
30	MP1B	Mx	.002	48

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
31	MP1C	X	0	12
32	MP1C	Z	-4.964	12
33	MP1C	Mx	-.002	12
34	MP1C	X	0	48
35	MP1C	Z	-4.964	48
36	MP1C	Mx	-.002	48
37	MP4A	X	0	12
38	MP4A	Z	-2.755	12
39	MP4A	Mx	0	12
40	MP4A	X	0	48
41	MP4A	Z	-2.755	48
42	MP4A	Mx	0	48
43	MP4B	X	0	12
44	MP4B	Z	-4.964	12
45	MP4B	Mx	.002	12
46	MP4B	X	0	48
47	MP4B	Z	-4.964	48
48	MP4B	Mx	.002	48
49	MP4C	X	0	12
50	MP4C	Z	-4.964	12
51	MP4C	Mx	-.002	12
52	MP4C	X	0	48
53	MP4C	Z	-4.964	48
54	MP4C	Mx	-.002	48
55	MP3A	X	0	6
56	MP3A	Z	-10.42	6
57	MP3A	Mx	-.007	6
58	MP3A	X	0	54
59	MP3A	Z	-10.42	54
60	MP3A	Mx	-.007	54
61	MP3B	X	0	6
62	MP3B	Z	-8.415	6
63	MP3B	Mx	.006	6
64	MP3B	X	0	54
65	MP3B	Z	-8.415	54
66	MP3B	Mx	.006	54
67	MP3C	X	0	6
68	MP3C	Z	-8.415	6
69	MP3C	Mx	-.000839	6
70	MP3C	X	0	54
71	MP3C	Z	-8.415	54
72	MP3C	Mx	-.000839	54
73	MP3A	X	0	6
74	MP3A	Z	-10.42	6
75	MP3A	Mx	.007	6
76	MP3A	X	0	54
77	MP3A	Z	-10.42	54
78	MP3A	Mx	.007	54
79	MP3B	X	0	6
80	MP3B	Z	-8.415	6
81	MP3B	Mx	.000839	6
82	MP3B	X	0	54
83	MP3B	Z	-8.415	54
84	MP3B	Mx	.000839	54
85	MP3C	X	0	6
86	MP3C	Z	-8.415	6
87	MP3C	Mx	-.006	6

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
88	MP3C	X	0	54
89	MP3C	Z	-8.415	54
90	MP3C	Mx	-.006	54
91	M121	X	0	18
92	M121	Z	-3.621	18
93	M121	Mx	0	18
94	M121	X	0	18
95	M121	Z	-3.496	18
96	M121	Mx	0	18
97	M147	X	0	18
98	M147	Z	-3.621	18
99	M147	Mx	0	18
100	M147	X	0	18
101	M147	Z	-3.496	18
102	M147	Mx	0	18
103	M134A	X	0	18
104	M134A	Z	-3.621	18
105	M134A	Mx	0	18
106	M134A	X	0	18
107	M134A	Z	-3.496	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	X	2.103	18
2	MP2A	Z	-3.643	18
3	MP2A	Mx	-.001	18
4	MP2A	X	2.103	42
5	MP2A	Z	-3.643	42
6	MP2A	Mx	-.001	42
7	MP2B	X	.971	18
8	MP2B	Z	-1.682	18
9	MP2B	Mx	.000971	18
10	MP2B	X	.971	42
11	MP2B	Z	-1.682	42
12	MP2B	Mx	.000971	42
13	MP2C	X	2.103	18
14	MP2C	Z	-3.643	18
15	MP2C	Mx	-.001	18
16	MP2C	X	2.103	42
17	MP2C	Z	-3.643	42
18	MP2C	Mx	-.001	42
19	MP1A	X	1.746	12
20	MP1A	Z	-3.024	12
21	MP1A	Mx	-.000873	12
22	MP1A	X	1.746	48
23	MP1A	Z	-3.024	48
24	MP1A	Mx	-.000873	48
25	MP1B	X	2.85	12
26	MP1B	Z	-4.936	12
27	MP1B	Mx	.003	12
28	MP1B	X	2.85	48
29	MP1B	Z	-4.936	48
30	MP1B	Mx	.003	48
31	MP1C	X	1.746	12
32	MP1C	Z	-3.024	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
33	MP1C	Mx	-.000873	12
34	MP1C	X	1.746	48
35	MP1C	Z	-3.024	48
36	MP1C	Mx	-.000873	48
37	MP4A	X	1.746	12
38	MP4A	Z	-3.024	12
39	MP4A	Mx	-.000873	12
40	MP4A	X	1.746	48
41	MP4A	Z	-3.024	48
42	MP4A	Mx	-.000873	48
43	MP4B	X	2.85	12
44	MP4B	Z	-4.936	12
45	MP4B	Mx	.003	12
46	MP4B	X	2.85	48
47	MP4B	Z	-4.936	48
48	MP4B	Mx	.003	48
49	MP4C	X	1.746	12
50	MP4C	Z	-3.024	12
51	MP4C	Mx	-.000873	12
52	MP4C	X	1.746	48
53	MP4C	Z	-3.024	48
54	MP4C	Mx	-.000873	48
55	MP3A	X	4.876	6
56	MP3A	Z	-8.445	6
57	MP3A	Mx	-.008	6
58	MP3A	X	4.876	54
59	MP3A	Z	-8.445	54
60	MP3A	Mx	-.008	54
61	MP3B	X	3.873	6
62	MP3B	Z	-6.709	6
63	MP3B	Mx	.004	6
64	MP3B	X	3.873	54
65	MP3B	Z	-6.709	54
66	MP3B	Mx	.004	54
67	MP3C	X	4.876	6
68	MP3C	Z	-8.445	6
69	MP3C	Mx	.003	6
70	MP3C	X	4.876	54
71	MP3C	Z	-8.445	54
72	MP3C	Mx	.003	54
73	MP3A	X	4.876	6
74	MP3A	Z	-8.445	6
75	MP3A	Mx	.003	6
76	MP3A	X	4.876	54
77	MP3A	Z	-8.445	54
78	MP3A	Mx	.003	54
79	MP3B	X	3.873	6
80	MP3B	Z	-6.709	6
81	MP3B	Mx	.004	6
82	MP3B	X	3.873	54
83	MP3B	Z	-6.709	54
84	MP3B	Mx	.004	54
85	MP3C	X	4.876	6
86	MP3C	Z	-8.445	6
87	MP3C	Mx	-.008	6
88	MP3C	X	4.876	54
89	MP3C	Z	-8.445	54

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
90	MP3C	Mx	-0.008	54
91	M121	X	1.483	18
92	M121	Z	-2.569	18
93	M121	Mx	0	18
94	M121	X	1.295	18
95	M121	Z	-2.243	18
96	M121	Mx	0	18
97	M147	X	1.483	18
98	M147	Z	-2.569	18
99	M147	Mx	0	18
100	M147	X	1.295	18
101	M147	Z	-2.243	18
102	M147	Mx	0	18
103	M134A	X	1.483	18
104	M134A	Z	-2.569	18
105	M134A	Mx	0	18
106	M134A	X	1.295	18
107	M134A	Z	-2.243	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
1	MP2A	X	2.336	18
2	MP2A	Z	-1.349	18
3	MP2A	Mx	-0.001	18
4	MP2A	X	2.336	42
5	MP2A	Z	-1.349	42
6	MP2A	Mx	-0.001	42
7	MP2B	X	2.336	18
8	MP2B	Z	-1.349	18
9	MP2B	Mx	.001	18
10	MP2B	X	2.336	42
11	MP2B	Z	-1.349	42
12	MP2B	Mx	.001	42
13	MP2C	X	4.297	18
14	MP2C	Z	-2.481	18
15	MP2C	Mx	0	18
16	MP2C	X	4.297	42
17	MP2C	Z	-2.481	42
18	MP2C	Mx	0	42
19	MP1A	X	4.299	12
20	MP1A	Z	-2.482	12
21	MP1A	Mx	-0.002	12
22	MP1A	X	4.299	48
23	MP1A	Z	-2.482	48
24	MP1A	Mx	-0.002	48
25	MP1B	X	4.299	12
26	MP1B	Z	-2.482	12
27	MP1B	Mx	.002	12
28	MP1B	X	4.299	48
29	MP1B	Z	-2.482	48
30	MP1B	Mx	.002	48
31	MP1C	X	2.386	12
32	MP1C	Z	-1.378	12
33	MP1C	Mx	0	12
34	MP1C	X	2.386	48

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
35	MP1C	Z	-1.378	48
36	MP1C	Mx	0	48
37	MP4A	X	4.299	12
38	MP4A	Z	-2.482	12
39	MP4A	Mx	-.002	12
40	MP4A	X	4.299	48
41	MP4A	Z	-2.482	48
42	MP4A	Mx	-.002	48
43	MP4B	X	4.299	12
44	MP4B	Z	-2.482	12
45	MP4B	Mx	.002	12
46	MP4B	X	4.299	48
47	MP4B	Z	-2.482	48
48	MP4B	Mx	.002	48
49	MP4C	X	2.386	12
50	MP4C	Z	-1.378	12
51	MP4C	Mx	0	12
52	MP4C	X	2.386	48
53	MP4C	Z	-1.378	48
54	MP4C	Mx	0	48
55	MP3A	X	7.288	6
56	MP3A	Z	-4.207	6
57	MP3A	Mx	-.006	6
58	MP3A	X	7.288	54
59	MP3A	Z	-4.207	54
60	MP3A	Mx	-.006	54
61	MP3B	X	7.288	6
62	MP3B	Z	-4.207	6
63	MP3B	Mx	.000838	6
64	MP3B	X	7.288	54
65	MP3B	Z	-4.207	54
66	MP3B	Mx	.000838	54
67	MP3C	X	9.024	6
68	MP3C	Z	-5.21	6
69	MP3C	Mx	.007	6
70	MP3C	X	9.024	54
71	MP3C	Z	-5.21	54
72	MP3C	Mx	.007	54
73	MP3A	X	7.288	6
74	MP3A	Z	-4.207	6
75	MP3A	Mx	-.000839	6
76	MP3A	X	7.288	54
77	MP3A	Z	-4.207	54
78	MP3A	Mx	-.000839	54
79	MP3B	X	7.288	6
80	MP3B	Z	-4.207	6
81	MP3B	Mx	.006	6
82	MP3B	X	7.288	54
83	MP3B	Z	-4.207	54
84	MP3B	Mx	.006	54
85	MP3C	X	9.024	6
86	MP3C	Z	-5.21	6
87	MP3C	Mx	-.007	6
88	MP3C	X	9.024	54
89	MP3C	Z	-5.21	54
90	MP3C	Mx	-.007	54
91	M121	X	2.286	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
92	M121	Z	-1.32	18
93	M121	Mx	0	18
94	M121	X	1.851	18
95	M121	Z	-1.069	18
96	M121	Mx	0	18
97	M147	X	2.286	18
98	M147	Z	-1.32	18
99	M147	Mx	0	18
100	M147	X	1.851	18
101	M147	Z	-1.069	18
102	M147	Mx	0	18
103	M134A	X	2.286	18
104	M134A	Z	-1.32	18
105	M134A	Mx	0	18
106	M134A	X	1.851	18
107	M134A	Z	-1.069	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP2A	X	1.943	18
2	MP2A	Z	0	18
3	MP2A	Mx	-.000972	18
4	MP2A	X	1.943	42
5	MP2A	Z	0	42
6	MP2A	Mx	-.000972	42
7	MP2B	X	4.207	18
8	MP2B	Z	0	18
9	MP2B	Mx	.001	18
10	MP2B	X	4.207	42
11	MP2B	Z	0	42
12	MP2B	Mx	.001	42
13	MP2C	X	4.207	18
14	MP2C	Z	0	18
15	MP2C	Mx	.001	18
16	MP2C	X	4.207	42
17	MP2C	Z	0	42
18	MP2C	Mx	.001	42
19	MP1A	X	5.7	12
20	MP1A	Z	0	12
21	MP1A	Mx	-.003	12
22	MP1A	X	5.7	48
23	MP1A	Z	0	48
24	MP1A	Mx	-.003	48
25	MP1B	X	3.491	12
26	MP1B	Z	0	12
27	MP1B	Mx	.000873	12
28	MP1B	X	3.491	48
29	MP1B	Z	0	48
30	MP1B	Mx	.000873	48
31	MP1C	X	3.491	12
32	MP1C	Z	0	12
33	MP1C	Mx	.000873	12
34	MP1C	X	3.491	48
35	MP1C	Z	0	48
36	MP1C	Mx	.000873	48

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
37	MP4A	X	5.7	12
38	MP4A	Z	0	12
39	MP4A	Mx	-.003	12
40	MP4A	X	5.7	48
41	MP4A	Z	0	48
42	MP4A	Mx	-.003	48
43	MP4B	X	3.491	12
44	MP4B	Z	0	12
45	MP4B	Mx	.000873	12
46	MP4B	X	3.491	48
47	MP4B	Z	0	48
48	MP4B	Mx	.000873	48
49	MP4C	X	3.491	12
50	MP4C	Z	0	12
51	MP4C	Mx	.000873	12
52	MP4C	X	3.491	48
53	MP4C	Z	0	48
54	MP4C	Mx	.000873	48
55	MP3A	X	7.747	6
56	MP3A	Z	0	6
57	MP3A	Mx	-.004	6
58	MP3A	X	7.747	54
59	MP3A	Z	0	54
60	MP3A	Mx	-.004	54
61	MP3B	X	9.751	6
62	MP3B	Z	0	6
63	MP3B	Mx	-.003	6
64	MP3B	X	9.751	54
65	MP3B	Z	0	54
66	MP3B	Mx	-.003	54
67	MP3C	X	9.751	6
68	MP3C	Z	0	6
69	MP3C	Mx	.008	6
70	MP3C	X	9.751	54
71	MP3C	Z	0	54
72	MP3C	Mx	.008	54
73	MP3A	X	7.747	6
74	MP3A	Z	0	6
75	MP3A	Mx	-.004	6
76	MP3A	X	7.747	54
77	MP3A	Z	0	54
78	MP3A	Mx	-.004	54
79	MP3B	X	9.751	6
80	MP3B	Z	0	6
81	MP3B	Mx	.008	6
82	MP3B	X	9.751	54
83	MP3B	Z	0	54
84	MP3B	Mx	.008	54
85	MP3C	X	9.751	6
86	MP3C	Z	0	6
87	MP3C	Mx	-.003	6
88	MP3C	X	9.751	54
89	MP3C	Z	0	54
90	MP3C	Mx	-.003	54
91	M121	X	2.967	18
92	M121	Z	0	18
93	M121	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
94	M121	X	2.59	18
95	M121	Z	0	18
96	M121	Mx	0	18
97	M147	X	2.967	18
98	M147	Z	0	18
99	M147	Mx	0	18
100	M147	X	2.59	18
101	M147	Z	0	18
102	M147	Mx	0	18
103	M134A	X	2.967	18
104	M134A	Z	0	18
105	M134A	Mx	0	18
106	M134A	X	2.59	18
107	M134A	Z	0	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	X	2.336	18
2	MP2A	Z	1.349	18
3	MP2A	Mx	-.001	18
4	MP2A	X	2.336	42
5	MP2A	Z	1.349	42
6	MP2A	Mx	-.001	42
7	MP2B	X	4.297	18
8	MP2B	Z	2.481	18
9	MP2B	Mx	0	18
10	MP2B	X	4.297	42
11	MP2B	Z	2.481	42
12	MP2B	Mx	0	42
13	MP2C	X	2.336	18
14	MP2C	Z	1.349	18
15	MP2C	Mx	.001	18
16	MP2C	X	2.336	42
17	MP2C	Z	1.349	42
18	MP2C	Mx	.001	42
19	MP1A	X	4.299	12
20	MP1A	Z	2.482	12
21	MP1A	Mx	-.002	12
22	MP1A	X	4.299	48
23	MP1A	Z	2.482	48
24	MP1A	Mx	-.002	48
25	MP1B	X	2.386	12
26	MP1B	Z	1.378	12
27	MP1B	Mx	0	12
28	MP1B	X	2.386	48
29	MP1B	Z	1.378	48
30	MP1B	Mx	0	48
31	MP1C	X	4.299	12
32	MP1C	Z	2.482	12
33	MP1C	Mx	.002	12
34	MP1C	X	4.299	48
35	MP1C	Z	2.482	48
36	MP1C	Mx	.002	48
37	MP4A	X	4.299	12
38	MP4A	Z	2.482	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
39	MP4A	Mx	-.002	12
40	MP4A	X	4.299	48
41	MP4A	Z	2.482	48
42	MP4A	Mx	-.002	48
43	MP4B	X	2.386	12
44	MP4B	Z	1.378	12
45	MP4B	Mx	0	12
46	MP4B	X	2.386	48
47	MP4B	Z	1.378	48
48	MP4B	Mx	0	48
49	MP4C	X	4.299	12
50	MP4C	Z	2.482	12
51	MP4C	Mx	.002	12
52	MP4C	X	4.299	48
53	MP4C	Z	2.482	48
54	MP4C	Mx	.002	48
55	MP3A	X	7.288	6
56	MP3A	Z	4.207	6
57	MP3A	Mx	-.000839	6
58	MP3A	X	7.288	54
59	MP3A	Z	4.207	54
60	MP3A	Mx	-.000839	54
61	MP3B	X	9.024	6
62	MP3B	Z	5.21	6
63	MP3B	Mx	-.007	6
64	MP3B	X	9.024	54
65	MP3B	Z	5.21	54
66	MP3B	Mx	-.007	54
67	MP3C	X	7.288	6
68	MP3C	Z	4.207	6
69	MP3C	Mx	.006	6
70	MP3C	X	7.288	54
71	MP3C	Z	4.207	54
72	MP3C	Mx	.006	54
73	MP3A	X	7.288	6
74	MP3A	Z	4.207	6
75	MP3A	Mx	-.006	6
76	MP3A	X	7.288	54
77	MP3A	Z	4.207	54
78	MP3A	Mx	-.006	54
79	MP3B	X	9.024	6
80	MP3B	Z	5.21	6
81	MP3B	Mx	.007	6
82	MP3B	X	9.024	54
83	MP3B	Z	5.21	54
84	MP3B	Mx	.007	54
85	MP3C	X	7.288	6
86	MP3C	Z	4.207	6
87	MP3C	Mx	.000838	6
88	MP3C	X	7.288	54
89	MP3C	Z	4.207	54
90	MP3C	Mx	.000838	54
91	M121	X	3.136	18
92	M121	Z	1.811	18
93	M121	Mx	0	18
94	M121	X	3.027	18
95	M121	Z	1.748	18

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

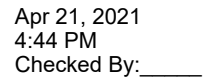
	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
96	M121	Mx	0	18
97	M147	X	3.136	18
98	M147	Z	1.811	18
99	M147	Mx	0	18
100	M147	X	3.027	18
101	M147	Z	1.748	18
102	M147	Mx	0	18
103	M134A	X	3.136	18
104	M134A	Z	1.811	18
105	M134A	Mx	0	18
106	M134A	X	3.027	18
107	M134A	Z	1.748	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
1	MP2A	X	2.103	18
2	MP2A	Z	3.643	18
3	MP2A	Mx	-.001	18
4	MP2A	X	2.103	42
5	MP2A	Z	3.643	42
6	MP2A	Mx	-.001	42
7	MP2B	X	2.103	18
8	MP2B	Z	3.643	18
9	MP2B	Mx	-.001	18
10	MP2B	X	2.103	42
11	MP2B	Z	3.643	42
12	MP2B	Mx	-.001	42
13	MP2C	X	.971	18
14	MP2C	Z	1.682	18
15	MP2C	Mx	.000971	18
16	MP2C	X	.971	42
17	MP2C	Z	1.682	42
18	MP2C	Mx	.000971	42
19	MP1A	X	1.746	12
20	MP1A	Z	3.024	12
21	MP1A	Mx	-.000873	12
22	MP1A	X	1.746	48
23	MP1A	Z	3.024	48
24	MP1A	Mx	-.000873	48
25	MP1B	X	1.746	12
26	MP1B	Z	3.024	12
27	MP1B	Mx	-.000873	12
28	MP1B	X	1.746	48
29	MP1B	Z	3.024	48
30	MP1B	Mx	-.000873	48
31	MP1C	X	2.85	12
32	MP1C	Z	4.936	12
33	MP1C	Mx	.003	12
34	MP1C	X	2.85	48
35	MP1C	Z	4.936	48
36	MP1C	Mx	.003	48
37	MP4A	X	1.746	12
38	MP4A	Z	3.024	12
39	MP4A	Mx	-.000873	12
40	MP4A	X	1.746	48

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
41	MP4A	Z	3.024	48
42	MP4A	Mx	-.000873	48
43	MP4B	X	1.746	12
44	MP4B	Z	3.024	12
45	MP4B	Mx	-.000873	12
46	MP4B	X	1.746	48
47	MP4B	Z	3.024	48
48	MP4B	Mx	-.000873	48
49	MP4C	X	2.85	12
50	MP4C	Z	4.936	12
51	MP4C	Mx	.003	12
52	MP4C	X	2.85	48
53	MP4C	Z	4.936	48
54	MP4C	Mx	.003	48
55	MP3A	X	4.876	6
56	MP3A	Z	8.445	6
57	MP3A	Mx	.003	6
58	MP3A	X	4.876	54
59	MP3A	Z	8.445	54
60	MP3A	Mx	.003	54
61	MP3B	X	4.876	6
62	MP3B	Z	8.445	6
63	MP3B	Mx	-.008	6
64	MP3B	X	4.876	54
65	MP3B	Z	8.445	54
66	MP3B	Mx	-.008	54
67	MP3C	X	3.873	6
68	MP3C	Z	6.709	6
69	MP3C	Mx	.004	6
70	MP3C	X	3.873	54
71	MP3C	Z	6.709	54
72	MP3C	Mx	.004	54
73	MP3A	X	4.876	6
74	MP3A	Z	8.445	6
75	MP3A	Mx	-.008	6
76	MP3A	X	4.876	54
77	MP3A	Z	8.445	54
78	MP3A	Mx	-.008	54
79	MP3B	X	4.876	6
80	MP3B	Z	8.445	6
81	MP3B	Mx	.003	6
82	MP3B	X	4.876	54
83	MP3B	Z	8.445	54
84	MP3B	Mx	.003	54
85	MP3C	X	3.873	6
86	MP3C	Z	6.709	6
87	MP3C	Mx	.004	6
88	MP3C	X	3.873	54
89	MP3C	Z	6.709	54
90	MP3C	Mx	.004	54
91	M121	X	1.974	18
92	M121	Z	3.419	18
93	M121	Mx	0	18
94	M121	X	1.974	18
95	M121	Z	3.419	18
96	M121	Mx	0	18
97	M147	X	1.974	18



	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
98	M147	Z	3.419	18
99	M147	Mx	0	18
100	M147	X	1.974	18
101	M147	Z	3.419	18
102	M147	Mx	0	18
103	M134A	X	1.974	18
104	M134A	Z	3.419	18
105	M134A	Mx	0	18
106	M134A	X	1.974	18
107	M134A	Z	3.419	18
108	M134A	Mx	0	18

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in,%]
1	MP2A	X	0	18
2	MP2A	Z	4.962	18
3	MP2A	Mx	0	18
4	MP2A	X	0	42
5	MP2A	Z	4.962	42
6	MP2A	Mx	0	42
7	MP2B	X	0	18
8	MP2B	Z	2.697	18
9	MP2B	Mx	-.001	18
10	MP2B	X	0	42
11	MP2B	Z	2.697	42
12	MP2B	Mx	-.001	42
13	MP2C	X	0	18
14	MP2C	Z	2.697	18
15	MP2C	Mx	.001	18
16	MP2C	X	0	42
17	MP2C	Z	2.697	42
18	MP2C	Mx	.001	42
19	MP1A	X	0	12
20	MP1A	Z	2.755	12
21	MP1A	Mx	0	12
22	MP1A	X	0	48
23	MP1A	Z	2.755	48
24	MP1A	Mx	0	48
25	MP1B	X	0	12
26	MP1B	Z	4.964	12
27	MP1B	Mx	-.002	12
28	MP1B	X	0	48
29	MP1B	Z	4.964	48
30	MP1B	Mx	-.002	48
31	MP1C	X	0	12
32	MP1C	Z	4.964	12
33	MP1C	Mx	.002	12
34	MP1C	X	0	48
35	MP1C	Z	4.964	48
36	MP1C	Mx	.002	48
37	MP4A	X	0	12
38	MP4A	Z	2.755	12
39	MP4A	Mx	0	12
40	MP4A	X	0	48
41	MP4A	Z	2.755	48
42	MP4A	Mx	0	48

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
43	MP4B	X	0	12
44	MP4B	Z	4.964	12
45	MP4B	Mx	-.002	12
46	MP4B	X	0	48
47	MP4B	Z	4.964	48
48	MP4B	Mx	-.002	48
49	MP4C	X	0	12
50	MP4C	Z	4.964	12
51	MP4C	Mx	.002	12
52	MP4C	X	0	48
53	MP4C	Z	4.964	48
54	MP4C	Mx	.002	48
55	MP3A	X	0	6
56	MP3A	Z	10.42	6
57	MP3A	Mx	.007	6
58	MP3A	X	0	54
59	MP3A	Z	10.42	54
60	MP3A	Mx	.007	54
61	MP3B	X	0	6
62	MP3B	Z	8.415	6
63	MP3B	Mx	-.006	6
64	MP3B	X	0	54
65	MP3B	Z	8.415	54
66	MP3B	Mx	-.006	54
67	MP3C	X	0	6
68	MP3C	Z	8.415	6
69	MP3C	Mx	.000839	6
70	MP3C	X	0	54
71	MP3C	Z	8.415	54
72	MP3C	Mx	.000839	54
73	MP3A	X	0	6
74	MP3A	Z	10.42	6
75	MP3A	Mx	-.007	6
76	MP3A	X	0	54
77	MP3A	Z	10.42	54
78	MP3A	Mx	-.007	54
79	MP3B	X	0	6
80	MP3B	Z	8.415	6
81	MP3B	Mx	-.000839	6
82	MP3B	X	0	54
83	MP3B	Z	8.415	54
84	MP3B	Mx	-.000839	54
85	MP3C	X	0	6
86	MP3C	Z	8.415	6
87	MP3C	Mx	.006	6
88	MP3C	X	0	54
89	MP3C	Z	8.415	54
90	MP3C	Mx	.006	54
91	M121	X	0	18
92	M121	Z	3.621	18
93	M121	Mx	0	18
94	M121	X	0	18
95	M121	Z	3.496	18
96	M121	Mx	0	18
97	M147	X	0	18
98	M147	Z	3.621	18
99	M147	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
100	M147	X	0	18
101	M147	Z	3.496	18
102	M147	Mx	0	18
103	M134A	X	0	18
104	M134A	Z	3.621	18
105	M134A	Mx	0	18
106	M134A	X	0	18
107	M134A	Z	3.496	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
1	MP2A	X	-2.103	18
2	MP2A	Z	3.643	18
3	MP2A	Mx	.001	18
4	MP2A	X	-2.103	42
5	MP2A	Z	3.643	42
6	MP2A	Mx	.001	42
7	MP2B	X	-.971	18
8	MP2B	Z	1.682	18
9	MP2B	Mx	-.000971	18
10	MP2B	X	-.971	42
11	MP2B	Z	1.682	42
12	MP2B	Mx	-.000971	42
13	MP2C	X	-2.103	18
14	MP2C	Z	3.643	18
15	MP2C	Mx	.001	18
16	MP2C	X	-2.103	42
17	MP2C	Z	3.643	42
18	MP2C	Mx	.001	42
19	MP1A	X	-1.746	12
20	MP1A	Z	3.024	12
21	MP1A	Mx	.000873	12
22	MP1A	X	-1.746	48
23	MP1A	Z	3.024	48
24	MP1A	Mx	.000873	48
25	MP1B	X	-2.85	12
26	MP1B	Z	4.936	12
27	MP1B	Mx	-.003	12
28	MP1B	X	-2.85	48
29	MP1B	Z	4.936	48
30	MP1B	Mx	-.003	48
31	MP1C	X	-1.746	12
32	MP1C	Z	3.024	12
33	MP1C	Mx	.000873	12
34	MP1C	X	-1.746	48
35	MP1C	Z	3.024	48
36	MP1C	Mx	.000873	48
37	MP4A	X	-1.746	12
38	MP4A	Z	3.024	12
39	MP4A	Mx	.000873	12
40	MP4A	X	-1.746	48
41	MP4A	Z	3.024	48
42	MP4A	Mx	.000873	48
43	MP4B	X	-2.85	12
44	MP4B	Z	4.936	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
45	MP4B	Mx	-0.003	12
46	MP4B	X	-2.85	48
47	MP4B	Z	4.936	48
48	MP4B	Mx	-0.003	48
49	MP4C	X	-1.746	12
50	MP4C	Z	3.024	12
51	MP4C	Mx	.000873	12
52	MP4C	X	-1.746	48
53	MP4C	Z	3.024	48
54	MP4C	Mx	.000873	48
55	MP3A	X	-4.876	6
56	MP3A	Z	8.445	6
57	MP3A	Mx	.008	6
58	MP3A	X	-4.876	54
59	MP3A	Z	8.445	54
60	MP3A	Mx	.008	54
61	MP3B	X	-3.873	6
62	MP3B	Z	6.709	6
63	MP3B	Mx	-0.004	6
64	MP3B	X	-3.873	54
65	MP3B	Z	6.709	54
66	MP3B	Mx	-0.004	54
67	MP3C	X	-4.876	6
68	MP3C	Z	8.445	6
69	MP3C	Mx	-0.003	6
70	MP3C	X	-4.876	54
71	MP3C	Z	8.445	54
72	MP3C	Mx	-0.003	54
73	MP3A	X	-4.876	6
74	MP3A	Z	8.445	6
75	MP3A	Mx	-0.003	6
76	MP3A	X	-4.876	54
77	MP3A	Z	8.445	54
78	MP3A	Mx	-0.003	54
79	MP3B	X	-3.873	6
80	MP3B	Z	6.709	6
81	MP3B	Mx	-0.004	6
82	MP3B	X	-3.873	54
83	MP3B	Z	6.709	54
84	MP3B	Mx	-0.004	54
85	MP3C	X	-4.876	6
86	MP3C	Z	8.445	6
87	MP3C	Mx	.008	6
88	MP3C	X	-4.876	54
89	MP3C	Z	8.445	54
90	MP3C	Mx	.008	54
91	M121	X	-1.483	18
92	M121	Z	2.569	18
93	M121	Mx	0	18
94	M121	X	-1.295	18
95	M121	Z	2.243	18
96	M121	Mx	0	18
97	M147	X	-1.483	18
98	M147	Z	2.569	18
99	M147	Mx	0	18
100	M147	X	-1.295	18
101	M147	Z	2.243	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
102	M147	Mx	0	18
103	M134A	X	-1.483	18
104	M134A	Z	2.569	18
105	M134A	Mx	0	18
106	M134A	X	-1.295	18
107	M134A	Z	2.243	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	X	-2.336	18
2	MP2A	Z	1.349	18
3	MP2A	Mx	.001	18
4	MP2A	X	-2.336	42
5	MP2A	Z	1.349	42
6	MP2A	Mx	.001	42
7	MP2B	X	-2.336	18
8	MP2B	Z	1.349	18
9	MP2B	Mx	-.001	18
10	MP2B	X	-2.336	42
11	MP2B	Z	1.349	42
12	MP2B	Mx	-.001	42
13	MP2C	X	-4.297	18
14	MP2C	Z	2.481	18
15	MP2C	Mx	0	18
16	MP2C	X	-4.297	42
17	MP2C	Z	2.481	42
18	MP2C	Mx	0	42
19	MP1A	X	-4.299	12
20	MP1A	Z	2.482	12
21	MP1A	Mx	.002	12
22	MP1A	X	-4.299	48
23	MP1A	Z	2.482	48
24	MP1A	Mx	.002	48
25	MP1B	X	-4.299	12
26	MP1B	Z	2.482	12
27	MP1B	Mx	-.002	12
28	MP1B	X	-4.299	48
29	MP1B	Z	2.482	48
30	MP1B	Mx	-.002	48
31	MP1C	X	-2.386	12
32	MP1C	Z	1.378	12
33	MP1C	Mx	0	12
34	MP1C	X	-2.386	48
35	MP1C	Z	1.378	48
36	MP1C	Mx	0	48
37	MP4A	X	-4.299	12
38	MP4A	Z	2.482	12
39	MP4A	Mx	.002	12
40	MP4A	X	-4.299	48
41	MP4A	Z	2.482	48
42	MP4A	Mx	.002	48
43	MP4B	X	-4.299	12
44	MP4B	Z	2.482	12
45	MP4B	Mx	-.002	12
46	MP4B	X	-4.299	48

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
47	MP4B	Z	2.482	48
48	MP4B	Mx	-.002	48
49	MP4C	X	-2.386	12
50	MP4C	Z	1.378	12
51	MP4C	Mx	0	12
52	MP4C	X	-2.386	48
53	MP4C	Z	1.378	48
54	MP4C	Mx	0	48
55	MP3A	X	-7.288	6
56	MP3A	Z	4.207	6
57	MP3A	Mx	.006	6
58	MP3A	X	-7.288	54
59	MP3A	Z	4.207	54
60	MP3A	Mx	.006	54
61	MP3B	X	-7.288	6
62	MP3B	Z	4.207	6
63	MP3B	Mx	-.000838	6
64	MP3B	X	-7.288	54
65	MP3B	Z	4.207	54
66	MP3B	Mx	-.000838	54
67	MP3C	X	-9.024	6
68	MP3C	Z	5.21	6
69	MP3C	Mx	-.007	6
70	MP3C	X	-9.024	54
71	MP3C	Z	5.21	54
72	MP3C	Mx	-.007	54
73	MP3A	X	-7.288	6
74	MP3A	Z	4.207	6
75	MP3A	Mx	.000839	6
76	MP3A	X	-7.288	54
77	MP3A	Z	4.207	54
78	MP3A	Mx	.000839	54
79	MP3B	X	-7.288	6
80	MP3B	Z	4.207	6
81	MP3B	Mx	-.006	6
82	MP3B	X	-7.288	54
83	MP3B	Z	4.207	54
84	MP3B	Mx	-.006	54
85	MP3C	X	-9.024	6
86	MP3C	Z	5.21	6
87	MP3C	Mx	.007	6
88	MP3C	X	-9.024	54
89	MP3C	Z	5.21	54
90	MP3C	Mx	.007	54
91	M121	X	-2.286	18
92	M121	Z	1.32	18
93	M121	Mx	0	18
94	M121	X	-1.851	18
95	M121	Z	1.069	18
96	M121	Mx	0	18
97	M147	X	-2.286	18
98	M147	Z	1.32	18
99	M147	Mx	0	18
100	M147	X	-1.851	18
101	M147	Z	1.069	18
102	M147	Mx	0	18
103	M134A	X	-2.286	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
104	M134A	Z	1.32	18
105	M134A	Mx	0	18
106	M134A	X	-1.851	18
107	M134A	Z	1.069	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	X	-1.943	18
2	MP2A	Z	0	18
3	MP2A	Mx	.000972	18
4	MP2A	X	-1.943	42
5	MP2A	Z	0	42
6	MP2A	Mx	.000972	42
7	MP2B	X	-4.207	18
8	MP2B	Z	0	18
9	MP2B	Mx	-.001	18
10	MP2B	X	-4.207	42
11	MP2B	Z	0	42
12	MP2B	Mx	-.001	42
13	MP2C	X	-4.207	18
14	MP2C	Z	0	18
15	MP2C	Mx	-.001	18
16	MP2C	X	-4.207	42
17	MP2C	Z	0	42
18	MP2C	Mx	-.001	42
19	MP1A	X	-5.7	12
20	MP1A	Z	0	12
21	MP1A	Mx	.003	12
22	MP1A	X	-5.7	48
23	MP1A	Z	0	48
24	MP1A	Mx	.003	48
25	MP1B	X	-3.491	12
26	MP1B	Z	0	12
27	MP1B	Mx	-.000873	12
28	MP1B	X	-3.491	48
29	MP1B	Z	0	48
30	MP1B	Mx	-.000873	48
31	MP1C	X	-3.491	12
32	MP1C	Z	0	12
33	MP1C	Mx	-.000873	12
34	MP1C	X	-3.491	48
35	MP1C	Z	0	48
36	MP1C	Mx	-.000873	48
37	MP4A	X	-5.7	12
38	MP4A	Z	0	12
39	MP4A	Mx	.003	12
40	MP4A	X	-5.7	48
41	MP4A	Z	0	48
42	MP4A	Mx	.003	48
43	MP4B	X	-3.491	12
44	MP4B	Z	0	12
45	MP4B	Mx	-.000873	12
46	MP4B	X	-3.491	48
47	MP4B	Z	0	48
48	MP4B	Mx	-.000873	48

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
49	MP4C	X	-3.491	12
50	MP4C	Z	0	12
51	MP4C	Mx	-.000873	12
52	MP4C	X	-3.491	48
53	MP4C	Z	0	48
54	MP4C	Mx	-.000873	48
55	MP3A	X	-7.747	6
56	MP3A	Z	0	6
57	MP3A	Mx	.004	6
58	MP3A	X	-7.747	54
59	MP3A	Z	0	54
60	MP3A	Mx	.004	54
61	MP3B	X	-9.751	6
62	MP3B	Z	0	6
63	MP3B	Mx	.003	6
64	MP3B	X	-9.751	54
65	MP3B	Z	0	54
66	MP3B	Mx	.003	54
67	MP3C	X	-9.751	6
68	MP3C	Z	0	6
69	MP3C	Mx	-.008	6
70	MP3C	X	-9.751	54
71	MP3C	Z	0	54
72	MP3C	Mx	-.008	54
73	MP3A	X	-7.747	6
74	MP3A	Z	0	6
75	MP3A	Mx	.004	6
76	MP3A	X	-7.747	54
77	MP3A	Z	0	54
78	MP3A	Mx	.004	54
79	MP3B	X	-9.751	6
80	MP3B	Z	0	6
81	MP3B	Mx	-.008	6
82	MP3B	X	-9.751	54
83	MP3B	Z	0	54
84	MP3B	Mx	-.008	54
85	MP3C	X	-9.751	6
86	MP3C	Z	0	6
87	MP3C	Mx	.003	6
88	MP3C	X	-9.751	54
89	MP3C	Z	0	54
90	MP3C	Mx	.003	54
91	M121	X	-2.967	18
92	M121	Z	0	18
93	M121	Mx	0	18
94	M121	X	-2.59	18
95	M121	Z	0	18
96	M121	Mx	0	18
97	M147	X	-2.967	18
98	M147	Z	0	18
99	M147	Mx	0	18
100	M147	X	-2.59	18
101	M147	Z	0	18
102	M147	Mx	0	18
103	M134A	X	-2.967	18
104	M134A	Z	0	18
105	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
106	M134A	X	-2.59	18
107	M134A	Z	0	18
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in, %]
1	MP2A	X	-2.336	18
2	MP2A	Z	-1.349	18
3	MP2A	Mx	.001	18
4	MP2A	X	-2.336	42
5	MP2A	Z	-1.349	42
6	MP2A	Mx	.001	42
7	MP2B	X	-4.297	18
8	MP2B	Z	-2.481	18
9	MP2B	Mx	0	18
10	MP2B	X	-4.297	42
11	MP2B	Z	-2.481	42
12	MP2B	Mx	0	42
13	MP2C	X	-2.336	18
14	MP2C	Z	-1.349	18
15	MP2C	Mx	-.001	18
16	MP2C	X	-2.336	42
17	MP2C	Z	-1.349	42
18	MP2C	Mx	-.001	42
19	MP1A	X	-4.299	12
20	MP1A	Z	-2.482	12
21	MP1A	Mx	.002	12
22	MP1A	X	-4.299	48
23	MP1A	Z	-2.482	48
24	MP1A	Mx	.002	48
25	MP1B	X	-2.386	12
26	MP1B	Z	-1.378	12
27	MP1B	Mx	0	12
28	MP1B	X	-2.386	48
29	MP1B	Z	-1.378	48
30	MP1B	Mx	0	48
31	MP1C	X	-4.299	12
32	MP1C	Z	-2.482	12
33	MP1C	Mx	-.002	12
34	MP1C	X	-4.299	48
35	MP1C	Z	-2.482	48
36	MP1C	Mx	-.002	48
37	MP4A	X	-4.299	12
38	MP4A	Z	-2.482	12
39	MP4A	Mx	.002	12
40	MP4A	X	-4.299	48
41	MP4A	Z	-2.482	48
42	MP4A	Mx	.002	48
43	MP4B	X	-2.386	12
44	MP4B	Z	-1.378	12
45	MP4B	Mx	0	12
46	MP4B	X	-2.386	48
47	MP4B	Z	-1.378	48
48	MP4B	Mx	0	48
49	MP4C	X	-4.299	12
50	MP4C	Z	-2.482	12

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
51	MP4C	Mx	-.002	12
52	MP4C	X	-4.299	48
53	MP4C	Z	-2.482	48
54	MP4C	Mx	-.002	48
55	MP3A	X	-7.288	6
56	MP3A	Z	-4.207	6
57	MP3A	Mx	.000839	6
58	MP3A	X	-7.288	54
59	MP3A	Z	-4.207	54
60	MP3A	Mx	.000839	54
61	MP3B	X	-9.024	6
62	MP3B	Z	-5.21	6
63	MP3B	Mx	.007	6
64	MP3B	X	-9.024	54
65	MP3B	Z	-5.21	54
66	MP3B	Mx	.007	54
67	MP3C	X	-7.288	6
68	MP3C	Z	-4.207	6
69	MP3C	Mx	-.006	6
70	MP3C	X	-7.288	54
71	MP3C	Z	-4.207	54
72	MP3C	Mx	-.006	54
73	MP3A	X	-7.288	6
74	MP3A	Z	-4.207	6
75	MP3A	Mx	.006	6
76	MP3A	X	-7.288	54
77	MP3A	Z	-4.207	54
78	MP3A	Mx	.006	54
79	MP3B	X	-9.024	6
80	MP3B	Z	-5.21	6
81	MP3B	Mx	-.007	6
82	MP3B	X	-9.024	54
83	MP3B	Z	-5.21	54
84	MP3B	Mx	-.007	54
85	MP3C	X	-7.288	6
86	MP3C	Z	-4.207	6
87	MP3C	Mx	-.000838	6
88	MP3C	X	-7.288	54
89	MP3C	Z	-4.207	54
90	MP3C	Mx	-.000838	54
91	M121	X	-3.136	18
92	M121	Z	-1.811	18
93	M121	Mx	0	18
94	M121	X	-3.027	18
95	M121	Z	-1.748	18
96	M121	Mx	0	18
97	M147	X	-3.136	18
98	M147	Z	-1.811	18
99	M147	Mx	0	18
100	M147	X	-3.027	18
101	M147	Z	-1.748	18
102	M147	Mx	0	18
103	M134A	X	-3.136	18
104	M134A	Z	-1.811	18
105	M134A	Mx	0	18
106	M134A	X	-3.027	18
107	M134A	Z	-1.748	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
108	M134A	Mx	0	18

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
1	MP2A	X	-2.103	18
2	MP2A	Z	-3.643	18
3	MP2A	Mx	.001	18
4	MP2A	X	-2.103	42
5	MP2A	Z	-3.643	42
6	MP2A	Mx	.001	42
7	MP2B	X	-2.103	18
8	MP2B	Z	-3.643	18
9	MP2B	Mx	.001	18
10	MP2B	X	-2.103	42
11	MP2B	Z	-3.643	42
12	MP2B	Mx	.001	42
13	MP2C	X	-.971	18
14	MP2C	Z	-1.682	18
15	MP2C	Mx	-.000971	18
16	MP2C	X	-.971	42
17	MP2C	Z	-1.682	42
18	MP2C	Mx	-.000971	42
19	MP1A	X	-1.746	12
20	MP1A	Z	-3.024	12
21	MP1A	Mx	.000873	12
22	MP1A	X	-1.746	48
23	MP1A	Z	-3.024	48
24	MP1A	Mx	.000873	48
25	MP1B	X	-1.746	12
26	MP1B	Z	-3.024	12
27	MP1B	Mx	.000873	12
28	MP1B	X	-1.746	48
29	MP1B	Z	-3.024	48
30	MP1B	Mx	.000873	48
31	MP1C	X	-2.85	12
32	MP1C	Z	-4.936	12
33	MP1C	Mx	-.003	12
34	MP1C	X	-2.85	48
35	MP1C	Z	-4.936	48
36	MP1C	Mx	-.003	48
37	MP4A	X	-1.746	12
38	MP4A	Z	-3.024	12
39	MP4A	Mx	.000873	12
40	MP4A	X	-1.746	48
41	MP4A	Z	-3.024	48
42	MP4A	Mx	.000873	48
43	MP4B	X	-1.746	12
44	MP4B	Z	-3.024	12
45	MP4B	Mx	.000873	12
46	MP4B	X	-1.746	48
47	MP4B	Z	-3.024	48
48	MP4B	Mx	.000873	48
49	MP4C	X	-2.85	12
50	MP4C	Z	-4.936	12
51	MP4C	Mx	-.003	12
52	MP4C	X	-2.85	48

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[in.%]
53	MP4C	Z	-4.936	48
54	MP4C	Mx	-.003	48
55	MP3A	X	-4.876	6
56	MP3A	Z	-8.445	6
57	MP3A	Mx	-.003	6
58	MP3A	X	-4.876	54
59	MP3A	Z	-8.445	54
60	MP3A	Mx	-.003	54
61	MP3B	X	-4.876	6
62	MP3B	Z	-8.445	6
63	MP3B	Mx	.008	6
64	MP3B	X	-4.876	54
65	MP3B	Z	-8.445	54
66	MP3B	Mx	.008	54
67	MP3C	X	-3.873	6
68	MP3C	Z	-6.709	6
69	MP3C	Mx	-.004	6
70	MP3C	X	-3.873	54
71	MP3C	Z	-6.709	54
72	MP3C	Mx	-.004	54
73	MP3A	X	-4.876	6
74	MP3A	Z	-8.445	6
75	MP3A	Mx	.008	6
76	MP3A	X	-4.876	54
77	MP3A	Z	-8.445	54
78	MP3A	Mx	.008	54
79	MP3B	X	-4.876	6
80	MP3B	Z	-8.445	6
81	MP3B	Mx	-.003	6
82	MP3B	X	-4.876	54
83	MP3B	Z	-8.445	54
84	MP3B	Mx	-.003	54
85	MP3C	X	-3.873	6
86	MP3C	Z	-6.709	6
87	MP3C	Mx	-.004	6
88	MP3C	X	-3.873	54
89	MP3C	Z	-6.709	54
90	MP3C	Mx	-.004	54
91	M121	X	-1.974	18
92	M121	Z	-3.419	18
93	M121	Mx	0	18
94	M121	X	-1.974	18
95	M121	Z	-3.419	18
96	M121	Mx	0	18
97	M147	X	-1.974	18
98	M147	Z	-3.419	18
99	M147	Mx	0	18
100	M147	X	-1.974	18
101	M147	Z	-3.419	18
102	M147	Mx	0	18
103	M134A	X	-1.974	18
104	M134A	Z	-3.419	18
105	M134A	Mx	0	18
106	M134A	X	-1.974	18
107	M134A	Z	-3.419	18
108	M134A	Mx	0	18

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M5	Y	-500	%73

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M6	Y	-500	%28

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M5	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M5	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	Y	-5.685	-5.685	0	%100
2	M2	Y	-5.685	-5.685	0	%100
3	M3	Y	-5.685	-5.685	0	%100
4	M4	Y	-5.685	-5.685	0	%100
5	M5	Y	-5.685	-5.685	0	%100
6	M6	Y	-5.685	-5.685	0	%100
7	M7	Y	-5.685	-5.685	0	%100
8	M8	Y	-5.685	-5.685	0	%100
9	M9	Y	-5.685	-5.685	0	%100
10	M13	Y	-12.927	-12.927	0	%100
11	M14A	Y	-12.927	-12.927	0	%100
12	M18	Y	-12.927	-12.927	0	%100
13	M25	Y	-7.614	-7.614	0	%100
14	M26	Y	-7.614	-7.614	0	%100
15	M27	Y	-7.614	-7.614	0	%100
16	M34	Y	-12.927	-12.927	0	%100
17	M42	Y	-12.927	-12.927	0	%100
18	M50	Y	-12.927	-12.927	0	%100
19	M52	Y	-5.619	-5.619	0	%100
20	M53	Y	-5.619	-5.619	0	%100
21	M54	Y	-5.619	-5.619	0	%100
22	M55	Y	-5.619	-5.619	0	%100
23	M56	Y	-5.619	-5.619	0	%100
24	M57	Y	-5.619	-5.619	0	%100
25	M58	Y	-5.619	-5.619	0	%100
26	M59	Y	-5.619	-5.619	0	%100
27	M60	Y	-5.619	-5.619	0	%100
28	M61	Y	-5.619	-5.619	0	%100
29	M62	Y	-5.619	-5.619	0	%100
30	M63	Y	-5.619	-5.619	0	%100
31	M64	Y	-5.619	-5.619	0	%100
32	M65	Y	-5.619	-5.619	0	%100
33	M66	Y	-5.619	-5.619	0	%100
34	M67	Y	-5.619	-5.619	0	%100
35	M68	Y	-5.619	-5.619	0	%100
36	M69	Y	-5.619	-5.619	0	%100
37	M70	Y	-5.619	-5.619	0	%100
38	M71	Y	-5.619	-5.619	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
39	M72	Y	-5.619	-5.619	0	%100
40	M127	Y	-5.619	-5.619	0	%100
41	M128	Y	-5.619	-5.619	0	%100
42	M129	Y	-5.619	-5.619	0	%100
43	M130	Y	-5.619	-5.619	0	%100
44	M131	Y	-2.687	-2.687	0	%100
45	M132	Y	-2.687	-2.687	0	%100
46	M133	Y	-2.687	-2.687	0	%100
47	M134	Y	-2.687	-2.687	0	%100
48	M135	Y	-2.687	-2.687	0	%100
49	MP1A	Y	-4.979	-4.979	0	%100
50	MP3A	Y	-5.685	-5.685	0	%100
51	MP4A	Y	-4.979	-4.979	0	%100
52	MP2A	Y	-4.979	-4.979	0	%100
53	MP1C	Y	-4.979	-4.979	0	%100
54	MP3C	Y	-5.685	-5.685	0	%100
55	MP4C	Y	-4.979	-4.979	0	%100
56	MP2C	Y	-4.979	-4.979	0	%100
57	MP1B	Y	-4.979	-4.979	0	%100
58	MP3B	Y	-5.685	-5.685	0	%100
59	MP4B	Y	-4.979	-4.979	0	%100
60	MP2B	Y	-4.979	-4.979	0	%100
61	M117	Y	-5.685	-5.685	0	%100
62	M118	Y	-5.685	-5.685	0	%100
63	M119	Y	-5.685	-5.685	0	%100
64	M120	Y	-5.685	-5.685	0	%100
65	M121	Y	-4.979	-4.979	0	%100
66	M130A	Y	-5.685	-5.685	0	%100
67	M131A	Y	-5.685	-5.685	0	%100
68	M132A	Y	-5.685	-5.685	0	%100
69	M133A	Y	-5.685	-5.685	0	%100
70	M134A	Y	-4.979	-4.979	0	%100
71	M143	Y	-5.685	-5.685	0	%100
72	M144	Y	-5.685	-5.685	0	%100
73	M145	Y	-5.685	-5.685	0	%100
74	M146	Y	-5.685	-5.685	0	%100
75	M147	Y	-4.979	-4.979	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	0	0	0	%100
2	M1	Z	-2.422	-2.422	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.422	-2.422	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-2.422	-2.422	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-2.422	-2.422	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-9.686	-9.686	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-9.686	-9.686	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-2.376	-2.376	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-2.376	-2.376	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
17	M9	X	0	0	0	%100
18	M9	Z	-9.502	-9.502	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	-.333	-.333	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	-1.331	-1.331	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-.333	-.333	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-17.746	-17.746	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-4.437	-4.437	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-4.437	-4.437	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	-.333	-.333	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	-1.331	-1.331	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	-.333	-.333	0	%100
37	M52	X	0	0	0	%100
38	M52	Z	-10.451	-10.451	0	%100
39	M53	X	0	0	0	%100
40	M53	Z	-10.451	-10.451	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	-2.588	-2.588	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	-10.451	-10.451	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	-10.451	-10.451	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	-6.626	-6.626	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	-6.626	-6.626	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	-10.451	-10.451	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	-10.451	-10.451	0	%100
55	M61	X	0	0	0	%100
56	M61	Z	-2.588	-2.588	0	%100
57	M62	X	0	0	0	%100
58	M62	Z	-10.451	-10.451	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	-10.451	-10.451	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	-6.626	-6.626	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	-6.626	-6.626	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	-10.451	-10.451	0	%100
67	M67	X	0	0	0	%100
68	M67	Z	-10.451	-10.451	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	-10.352	-10.352	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-10.451	-10.451	0	%100
73	M70	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
74	M70	Z	-10.451	-10.451	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	-11.831	-11.831	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	-11.831	-11.831	0	%100
79	M127	X	0	0	0	%100
80	M127	Z	-2.579	-2.579	0	%100
81	M128	X	0	0	0	%100
82	M128	Z	-6.877	-6.877	0	%100
83	M129	X	0	0	0	%100
84	M129	Z	-11.831	-11.831	0	%100
85	M130	X	0	0	0	%100
86	M130	Z	-11.831	-11.831	0	%100
87	M131	X	0	0	0	%100
88	M131	Z	-1.861	-1.861	0	%100
89	M132	X	0	0	0	%100
90	M132	Z	-1.861	-1.861	0	%100
91	M133	X	0	0	0	%100
92	M133	Z	-1.861	-1.861	0	%100
93	M134	X	0	0	0	%100
94	M134	Z	-1.861	-1.861	0	%100
95	M135	X	0	0	0	%100
96	M135	Z	-1.861	-1.861	0	%100
97	MP1A	X	0	0	0	%100
98	MP1A	Z	-8.429	-8.429	0	%100
99	MP3A	X	0	0	0	%100
100	MP3A	Z	-10.204	-10.204	0	%100
101	MP4A	X	0	0	0	%100
102	MP4A	Z	-8.429	-8.429	0	%100
103	MP2A	X	0	0	0	%100
104	MP2A	Z	-8.429	-8.429	0	%100
105	MP1C	X	0	0	0	%100
106	MP1C	Z	-8.429	-8.429	0	%100
107	MP3C	X	0	0	0	%100
108	MP3C	Z	-10.204	-10.204	0	%100
109	MP4C	X	0	0	0	%100
110	MP4C	Z	-8.429	-8.429	0	%100
111	MP2C	X	0	0	0	%100
112	MP2C	Z	-8.429	-8.429	0	%100
113	MP1B	X	0	0	0	%100
114	MP1B	Z	-8.429	-8.429	0	%100
115	MP3B	X	0	0	0	%100
116	MP3B	Z	-10.204	-10.204	0	%100
117	MP4B	X	0	0	0	%100
118	MP4B	Z	-8.429	-8.429	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	-8.429	-8.429	0	%100
121	M117	X	0	0	0	%100
122	M117	Z	0	0	0	%100
123	M118	X	0	0	0	%100
124	M118	Z	0	0	0	%100
125	M119	X	0	0	0	%100
126	M119	Z	0	0	0	%100
127	M120	X	0	0	0	%100
128	M120	Z	0	0	0	%100
129	M121	X	0	0	0	%100
130	M121	Z	-8.142	-8.142	0	%100

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

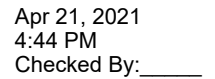
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
131	M130A	X	0	0	0	%100
132	M130A	Z	-4.702	-4.702	0	%100
133	M131A	X	0	0	0	%100
134	M131A	Z	-4.702	-4.702	0	%100
135	M132A	X	0	0	0	%100
136	M132A	Z	-4.702	-4.702	0	%100
137	M133A	X	0	0	0	%100
138	M133A	Z	-4.702	-4.702	0	%100
139	M134A	X	0	0	0	%100
140	M134A	Z	-8.142	-8.142	0	%100
141	M143	X	0	0	0	%100
142	M143	Z	-4.702	-4.702	0	%100
143	M144	X	0	0	0	%100
144	M144	Z	-4.702	-4.702	0	%100
145	M145	X	0	0	0	%100
146	M145	Z	-4.702	-4.702	0	%100
147	M146	X	0	0	0	%100
148	M146	Z	-4.702	-4.702	0	%100
149	M147	X	0	0	0	%100
150	M147	Z	-8.142	-8.142	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	3.632	3.632	0	%100
2	M1	Z	-6.292	-6.292	0	%100
3	M2	X	3.632	3.632	0	%100
4	M2	Z	-6.292	-6.292	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	3.632	3.632	0	%100
10	M5	Z	-6.292	-6.292	0	%100
11	M6	X	3.632	3.632	0	%100
12	M6	Z	-6.292	-6.292	0	%100
13	M7	X	3.563	3.563	0	%100
14	M7	Z	-6.172	-6.172	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	3.563	3.563	0	%100
18	M9	Z	-6.172	-6.172	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	.499	.499	0	%100
22	M14A	Z	-.864	-.864	0	%100
23	M18	X	.499	.499	0	%100
24	M18	Z	-.864	-.864	0	%100
25	M25	X	6.655	6.655	0	%100
26	M25	Z	-11.527	-11.527	0	%100
27	M26	X	6.655	6.655	0	%100
28	M26	Z	-11.527	-11.527	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	.499	.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...]	End Magnitude[lb/ft,F...]	Start Location[in,%]	End Location[in,%]
34	M42	Z	-864	-864	0	%100
35	M50	X	.499	.499	0	%100
36	M50	Z	-864	-864	0	%100
37	M52	X	5.225	5.225	0	%100
38	M52	Z	-9.05	-9.05	0	%100
39	M53	X	5.225	5.225	0	%100
40	M53	Z	-9.05	-9.05	0	%100
41	M54	X	3.882	3.882	0	%100
42	M54	Z	-6.724	-6.724	0	%100
43	M55	X	5.225	5.225	0	%100
44	M55	Z	-9.05	-9.05	0	%100
45	M56	X	5.225	5.225	0	%100
46	M56	Z	-9.05	-9.05	0	%100
47	M57	X	5.048	5.048	0	%100
48	M57	Z	-8.743	-8.743	0	%100
49	M58	X	5.048	5.048	0	%100
50	M58	Z	-8.743	-8.743	0	%100
51	M59	X	5.225	5.225	0	%100
52	M59	Z	-9.05	-9.05	0	%100
53	M60	X	5.225	5.225	0	%100
54	M60	Z	-9.05	-9.05	0	%100
55	M61	X	0	0	0	%100
56	M61	Z	0	0	0	%100
57	M62	X	5.225	5.225	0	%100
58	M62	Z	-9.05	-9.05	0	%100
59	M63	X	5.225	5.225	0	%100
60	M63	Z	-9.05	-9.05	0	%100
61	M64	X	2.445	2.445	0	%100
62	M64	Z	-4.236	-4.236	0	%100
63	M65	X	2.445	2.445	0	%100
64	M65	Z	-4.236	-4.236	0	%100
65	M66	X	5.225	5.225	0	%100
66	M66	Z	-9.05	-9.05	0	%100
67	M67	X	5.225	5.225	0	%100
68	M67	Z	-9.05	-9.05	0	%100
69	M68	X	3.882	3.882	0	%100
70	M68	Z	-6.724	-6.724	0	%100
71	M69	X	5.225	5.225	0	%100
72	M69	Z	-9.05	-9.05	0	%100
73	M70	X	5.225	5.225	0	%100
74	M70	Z	-9.05	-9.05	0	%100
75	M71	X	5.048	5.048	0	%100
76	M71	Z	-8.743	-8.743	0	%100
77	M72	X	5.048	5.048	0	%100
78	M72	Z	-8.743	-8.743	0	%100
79	M127	X	3.869	3.869	0	%100
80	M127	Z	-6.701	-6.701	0	%100
81	M128	X	1.146	1.146	0	%100
82	M128	Z	-1.985	-1.985	0	%100
83	M129	X	5.915	5.915	0	%100
84	M129	Z	-10.246	-10.246	0	%100
85	M130	X	5.915	5.915	0	%100
86	M130	Z	-10.246	-10.246	0	%100
87	M131	X	.31	.31	0	%100
88	M131	Z	-.537	-.537	0	%100
89	M132	X	.31	.31	0	%100
90	M132	Z	-.537	-.537	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
91	M133	X	.31	.31	0	%100
92	M133	Z	-.537	-.537	0	%100
93	M134	X	.31	.31	0	%100
94	M134	Z	-.537	-.537	0	%100
95	M135	X	.31	.31	0	%100
96	M135	Z	-.537	-.537	0	%100
97	MP1A	X	4.215	4.215	0	%100
98	MP1A	Z	-7.3	-7.3	0	%100
99	MP3A	X	5.102	5.102	0	%100
100	MP3A	Z	-8.837	-8.837	0	%100
101	MP4A	X	4.215	4.215	0	%100
102	MP4A	Z	-7.3	-7.3	0	%100
103	MP2A	X	4.215	4.215	0	%100
104	MP2A	Z	-7.3	-7.3	0	%100
105	MP1C	X	4.215	4.215	0	%100
106	MP1C	Z	-7.3	-7.3	0	%100
107	MP3C	X	5.102	5.102	0	%100
108	MP3C	Z	-8.837	-8.837	0	%100
109	MP4C	X	4.215	4.215	0	%100
110	MP4C	Z	-7.3	-7.3	0	%100
111	MP2C	X	4.215	4.215	0	%100
112	MP2C	Z	-7.3	-7.3	0	%100
113	MP1B	X	4.215	4.215	0	%100
114	MP1B	Z	-7.3	-7.3	0	%100
115	MP3B	X	5.102	5.102	0	%100
116	MP3B	Z	-8.837	-8.837	0	%100
117	MP4B	X	4.215	4.215	0	%100
118	MP4B	Z	-7.3	-7.3	0	%100
119	MP2B	X	4.215	4.215	0	%100
120	MP2B	Z	-7.3	-7.3	0	%100
121	M117	X	.784	.784	0	%100
122	M117	Z	-1.357	-1.357	0	%100
123	M118	X	.784	.784	0	%100
124	M118	Z	-1.357	-1.357	0	%100
125	M119	X	.784	.784	0	%100
126	M119	Z	-1.357	-1.357	0	%100
127	M120	X	.784	.784	0	%100
128	M120	Z	-1.357	-1.357	0	%100
129	M121	X	4.071	4.071	0	%100
130	M121	Z	-7.051	-7.051	0	%100
131	M130A	X	.784	.784	0	%100
132	M130A	Z	-1.357	-1.357	0	%100
133	M131A	X	.784	.784	0	%100
134	M131A	Z	-1.357	-1.357	0	%100
135	M132A	X	.784	.784	0	%100
136	M132A	Z	-1.357	-1.357	0	%100
137	M133A	X	.784	.784	0	%100
138	M133A	Z	-1.357	-1.357	0	%100
139	M134A	X	4.071	4.071	0	%100
140	M134A	Z	-7.051	-7.051	0	%100
141	M143	X	3.134	3.134	0	%100
142	M143	Z	-5.429	-5.429	0	%100
143	M144	X	3.134	3.134	0	%100
144	M144	Z	-5.429	-5.429	0	%100
145	M145	X	3.134	3.134	0	%100
146	M145	Z	-5.429	-5.429	0	%100
147	M146	X	3.134	3.134	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
148	M146	Z	-5.429	-5.429	0	%100
149	M147	X	4.071	4.071	0	%100
150	M147	Z	-7.051	-7.051	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	8.389	8.389	0	%100
2	M1	Z	-4.843	-4.843	0	%100
3	M2	X	8.389	8.389	0	%100
4	M2	Z	-4.843	-4.843	0	%100
5	M3	X	2.097	2.097	0	%100
6	M3	Z	-1.211	-1.211	0	%100
7	M4	X	2.097	2.097	0	%100
8	M4	Z	-1.211	-1.211	0	%100
9	M5	X	2.097	2.097	0	%100
10	M5	Z	-1.211	-1.211	0	%100
11	M6	X	2.097	2.097	0	%100
12	M6	Z	-1.211	-1.211	0	%100
13	M7	X	8.229	8.229	0	%100
14	M7	Z	-4.751	-4.751	0	%100
15	M8	X	2.057	2.057	0	%100
16	M8	Z	-1.188	-1.188	0	%100
17	M9	X	2.057	2.057	0	%100
18	M9	Z	-1.188	-1.188	0	%100
19	M13	X	.288	.288	0	%100
20	M13	Z	-.166	-.166	0	%100
21	M14A	X	.288	.288	0	%100
22	M14A	Z	-.166	-.166	0	%100
23	M18	X	1.153	1.153	0	%100
24	M18	Z	-.665	-.665	0	%100
25	M25	X	3.842	3.842	0	%100
26	M25	Z	-2.218	-2.218	0	%100
27	M26	X	15.369	15.369	0	%100
28	M26	Z	-8.873	-8.873	0	%100
29	M27	X	3.842	3.842	0	%100
30	M27	Z	-2.218	-2.218	0	%100
31	M34	X	.288	.288	0	%100
32	M34	Z	-.166	-.166	0	%100
33	M42	X	.288	.288	0	%100
34	M42	Z	-.166	-.166	0	%100
35	M50	X	1.153	1.153	0	%100
36	M50	Z	-.665	-.665	0	%100
37	M52	X	9.05	9.05	0	%100
38	M52	Z	-5.225	-5.225	0	%100
39	M53	X	9.05	9.05	0	%100
40	M53	Z	-5.225	-5.225	0	%100
41	M54	X	8.965	8.965	0	%100
42	M54	Z	-5.176	-5.176	0	%100
43	M55	X	9.05	9.05	0	%100
44	M55	Z	-5.225	-5.225	0	%100
45	M56	X	9.05	9.05	0	%100
46	M56	Z	-5.225	-5.225	0	%100
47	M57	X	10.246	10.246	0	%100
48	M57	Z	-5.915	-5.915	0	%100
49	M58	X	10.246	10.246	0	%100
50	M58	Z	-5.915	-5.915	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
51	M59	X	9.05	9.05	0	%100
52	M59	Z	-5.225	-5.225	0	%100
53	M60	X	9.05	9.05	0	%100
54	M60	Z	-5.225	-5.225	0	%100
55	M61	X	2.241	2.241	0	%100
56	M61	Z	-1.294	-1.294	0	%100
57	M62	X	9.05	9.05	0	%100
58	M62	Z	-5.225	-5.225	0	%100
59	M63	X	9.05	9.05	0	%100
60	M63	Z	-5.225	-5.225	0	%100
61	M64	X	5.738	5.738	0	%100
62	M64	Z	-3.313	-3.313	0	%100
63	M65	X	5.738	5.738	0	%100
64	M65	Z	-3.313	-3.313	0	%100
65	M66	X	9.05	9.05	0	%100
66	M66	Z	-5.225	-5.225	0	%100
67	M67	X	9.05	9.05	0	%100
68	M67	Z	-5.225	-5.225	0	%100
69	M68	X	2.241	2.241	0	%100
70	M68	Z	-1.294	-1.294	0	%100
71	M69	X	9.05	9.05	0	%100
72	M69	Z	-5.225	-5.225	0	%100
73	M70	X	9.05	9.05	0	%100
74	M70	Z	-5.225	-5.225	0	%100
75	M71	X	5.738	5.738	0	%100
76	M71	Z	-3.313	-3.313	0	%100
77	M72	X	5.738	5.738	0	%100
78	M72	Z	-3.313	-3.313	0	%100
79	M127	X	8.934	8.934	0	%100
80	M127	Z	-5.158	-5.158	0	%100
81	M128	X	0	0	0	%100
82	M128	Z	0	0	0	%100
83	M129	X	10.246	10.246	0	%100
84	M129	Z	-5.915	-5.915	0	%100
85	M130	X	10.246	10.246	0	%100
86	M130	Z	-5.915	-5.915	0	%100
87	M131	X	0	0	0	%100
88	M131	Z	0	0	0	%100
89	M132	X	0	0	0	%100
90	M132	Z	0	0	0	%100
91	M133	X	0	0	0	%100
92	M133	Z	0	0	0	%100
93	M134	X	0	0	0	%100
94	M134	Z	0	0	0	%100
95	M135	X	0	0	0	%100
96	M135	Z	0	0	0	%100
97	MP1A	X	7.3	7.3	0	%100
98	MP1A	Z	-4.215	-4.215	0	%100
99	MP3A	X	8.837	8.837	0	%100
100	MP3A	Z	-5.102	-5.102	0	%100
101	MP4A	X	7.3	7.3	0	%100
102	MP4A	Z	-4.215	-4.215	0	%100
103	MP2A	X	7.3	7.3	0	%100
104	MP2A	Z	-4.215	-4.215	0	%100
105	MP1C	X	7.3	7.3	0	%100
106	MP1C	Z	-4.215	-4.215	0	%100
107	MP3C	X	8.837	8.837	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
108	MP3C	Z	-5.102	-5.102	0	%100
109	MP4C	X	7.3	7.3	0	%100
110	MP4C	Z	-4.215	-4.215	0	%100
111	MP2C	X	7.3	7.3	0	%100
112	MP2C	Z	-4.215	-4.215	0	%100
113	MP1B	X	7.3	7.3	0	%100
114	MP1B	Z	-4.215	-4.215	0	%100
115	MP3B	X	8.837	8.837	0	%100
116	MP3B	Z	-5.102	-5.102	0	%100
117	MP4B	X	7.3	7.3	0	%100
118	MP4B	Z	-4.215	-4.215	0	%100
119	MP2B	X	7.3	7.3	0	%100
120	MP2B	Z	-4.215	-4.215	0	%100
121	M117	X	4.072	4.072	0	%100
122	M117	Z	-2.351	-2.351	0	%100
123	M118	X	4.072	4.072	0	%100
124	M118	Z	-2.351	-2.351	0	%100
125	M119	X	4.072	4.072	0	%100
126	M119	Z	-2.351	-2.351	0	%100
127	M120	X	4.072	4.072	0	%100
128	M120	Z	-2.351	-2.351	0	%100
129	M121	X	7.051	7.051	0	%100
130	M121	Z	-4.071	-4.071	0	%100
131	M130A	X	0	0	0	%100
132	M130A	Z	0	0	0	%100
133	M131A	X	0	0	0	%100
134	M131A	Z	0	0	0	%100
135	M132A	X	0	0	0	%100
136	M132A	Z	0	0	0	%100
137	M133A	X	0	0	0	%100
138	M133A	Z	0	0	0	%100
139	M134A	X	7.051	7.051	0	%100
140	M134A	Z	-4.071	-4.071	0	%100
141	M143	X	4.072	4.072	0	%100
142	M143	Z	-2.351	-2.351	0	%100
143	M144	X	4.072	4.072	0	%100
144	M144	Z	-2.351	-2.351	0	%100
145	M145	X	4.072	4.072	0	%100
146	M145	Z	-2.351	-2.351	0	%100
147	M146	X	4.072	4.072	0	%100
148	M146	Z	-2.351	-2.351	0	%100
149	M147	X	7.051	7.051	0	%100
150	M147	Z	-4.071	-4.071	0	%100

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

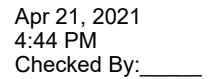
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	7.265	7.265	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	7.265	7.265	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	7.265	7.265	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	7.265	7.265	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	7.127	7.127	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	7.127	7.127	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	.998	.998	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	.998	.998	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	13.31	13.31	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	13.31	13.31	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	.998	.998	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	.998	.998	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	10.451	10.451	0	%100
38	M52	Z	0	0	0	%100
39	M53	X	10.451	10.451	0	%100
40	M53	Z	0	0	0	%100
41	M54	X	7.764	7.764	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	10.451	10.451	0	%100
44	M55	Z	0	0	0	%100
45	M56	X	10.451	10.451	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	10.096	10.096	0	%100
48	M57	Z	0	0	0	%100
49	M58	X	10.096	10.096	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	10.451	10.451	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	10.451	10.451	0	%100
54	M60	Z	0	0	0	%100
55	M61	X	7.764	7.764	0	%100
56	M61	Z	0	0	0	%100
57	M62	X	10.451	10.451	0	%100
58	M62	Z	0	0	0	%100
59	M63	X	10.451	10.451	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	10.096	10.096	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	10.096	10.096	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	10.451	10.451	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	10.451	10.451	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
68	M67	Z	0	0	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	0	0	0	%100
71	M69	X	10.451	10.451	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	10.451	10.451	0	%100
74	M70	Z	0	0	0	%100
75	M71	X	4.891	4.891	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	4.891	4.891	0	%100
78	M72	Z	0	0	0	%100
79	M127	X	7.737	7.737	0	%100
80	M127	Z	0	0	0	%100
81	M128	X	2.292	2.292	0	%100
82	M128	Z	0	0	0	%100
83	M129	X	11.831	11.831	0	%100
84	M129	Z	0	0	0	%100
85	M130	X	11.831	11.831	0	%100
86	M130	Z	0	0	0	%100
87	M131	X	.62	.62	0	%100
88	M131	Z	0	0	0	%100
89	M132	X	.62	.62	0	%100
90	M132	Z	0	0	0	%100
91	M133	X	.62	.62	0	%100
92	M133	Z	0	0	0	%100
93	M134	X	.62	.62	0	%100
94	M134	Z	0	0	0	%100
95	M135	X	.62	.62	0	%100
96	M135	Z	0	0	0	%100
97	MP1A	X	8.429	8.429	0	%100
98	MP1A	Z	0	0	0	%100
99	MP3A	X	10.204	10.204	0	%100
100	MP3A	Z	0	0	0	%100
101	MP4A	X	8.429	8.429	0	%100
102	MP4A	Z	0	0	0	%100
103	MP2A	X	8.429	8.429	0	%100
104	MP2A	Z	0	0	0	%100
105	MP1C	X	8.429	8.429	0	%100
106	MP1C	Z	0	0	0	%100
107	MP3C	X	10.204	10.204	0	%100
108	MP3C	Z	0	0	0	%100
109	MP4C	X	8.429	8.429	0	%100
110	MP4C	Z	0	0	0	%100
111	MP2C	X	8.429	8.429	0	%100
112	MP2C	Z	0	0	0	%100
113	MP1B	X	8.429	8.429	0	%100
114	MP1B	Z	0	0	0	%100
115	MP3B	X	10.204	10.204	0	%100
116	MP3B	Z	0	0	0	%100
117	MP4B	X	8.429	8.429	0	%100
118	MP4B	Z	0	0	0	%100
119	MP2B	X	8.429	8.429	0	%100
120	MP2B	Z	0	0	0	%100
121	M117	X	6.269	6.269	0	%100
122	M117	Z	0	0	0	%100
123	M118	X	6.269	6.269	0	%100
124	M118	Z	0	0	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
125	M119	X	6.269	6.269	0	%100
126	M119	Z	0	0	0	%100
127	M120	X	6.269	6.269	0	%100
128	M120	Z	0	0	0	%100
129	M121	X	8.142	8.142	0	%100
130	M121	Z	0	0	0	%100
131	M130A	X	1.567	1.567	0	%100
132	M130A	Z	0	0	0	%100
133	M131A	X	1.567	1.567	0	%100
134	M131A	Z	0	0	0	%100
135	M132A	X	1.567	1.567	0	%100
136	M132A	Z	0	0	0	%100
137	M133A	X	1.567	1.567	0	%100
138	M133A	Z	0	0	0	%100
139	M134A	X	8.142	8.142	0	%100
140	M134A	Z	0	0	0	%100
141	M143	X	1.567	1.567	0	%100
142	M143	Z	0	0	0	%100
143	M144	X	1.567	1.567	0	%100
144	M144	Z	0	0	0	%100
145	M145	X	1.567	1.567	0	%100
146	M145	Z	0	0	0	%100
147	M146	X	1.567	1.567	0	%100
148	M146	Z	0	0	0	%100
149	M147	X	8.142	8.142	0	%100
150	M147	Z	0	0	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	2.097	2.097	0	%100
2	M1	Z	1.211	1.211	0	%100
3	M2	X	2.097	2.097	0	%100
4	M2	Z	1.211	1.211	0	%100
5	M3	X	8.389	8.389	0	%100
6	M3	Z	4.843	4.843	0	%100
7	M4	X	8.389	8.389	0	%100
8	M4	Z	4.843	4.843	0	%100
9	M5	X	2.097	2.097	0	%100
10	M5	Z	1.211	1.211	0	%100
11	M6	X	2.097	2.097	0	%100
12	M6	Z	1.211	1.211	0	%100
13	M7	X	2.057	2.057	0	%100
14	M7	Z	1.188	1.188	0	%100
15	M8	X	8.229	8.229	0	%100
16	M8	Z	4.751	4.751	0	%100
17	M9	X	2.057	2.057	0	%100
18	M9	Z	1.188	1.188	0	%100
19	M13	X	1.153	1.153	0	%100
20	M13	Z	.665	.665	0	%100
21	M14A	X	.288	.288	0	%100
22	M14A	Z	.166	.166	0	%100
23	M18	X	.288	.288	0	%100
24	M18	Z	.166	.166	0	%100
25	M25	X	3.842	3.842	0	%100
26	M25	Z	2.218	2.218	0	%100
27	M26	X	3.842	3.842	0	%100



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

RISA-3D Version 17.0.4



Apr 21, 2021
4:44 PM
Checked By:

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
85	M130	X	10.246	10.246	0	%100
86	M130	Z	5.915	5.915	0	%100
87	M131	X	1.612	1.612	0	%100
88	M131	Z	.93	.93	0	%100
89	M132	X	1.612	1.612	0	%100
90	M132	Z	.93	.93	0	%100
91	M133	X	1.612	1.612	0	%100
92	M133	Z	.93	.93	0	%100
93	M134	X	1.612	1.612	0	%100
94	M134	Z	.93	.93	0	%100
95	M135	X	1.612	1.612	0	%100
96	M135	Z	.93	.93	0	%100
97	MP1A	X	7.3	7.3	0	%100
98	MP1A	Z	4.215	4.215	0	%100
99	MP3A	X	8.837	8.837	0	%100
100	MP3A	Z	5.102	5.102	0	%100
101	MP4A	X	7.3	7.3	0	%100
102	MP4A	Z	4.215	4.215	0	%100
103	MP2A	X	7.3	7.3	0	%100
104	MP2A	Z	4.215	4.215	0	%100
105	MP1C	X	7.3	7.3	0	%100
106	MP1C	Z	4.215	4.215	0	%100
107	MP3C	X	8.837	8.837	0	%100
108	MP3C	Z	5.102	5.102	0	%100
109	MP4C	X	7.3	7.3	0	%100
110	MP4C	Z	4.215	4.215	0	%100
111	MP2C	X	7.3	7.3	0	%100
112	MP2C	Z	4.215	4.215	0	%100
113	MP1B	X	7.3	7.3	0	%100
114	MP1B	Z	4.215	4.215	0	%100
115	MP3B	X	8.837	8.837	0	%100
116	MP3B	Z	5.102	5.102	0	%100
117	MP4B	X	7.3	7.3	0	%100
118	MP4B	Z	4.215	4.215	0	%100
119	MP2B	X	7.3	7.3	0	%100
120	MP2B	Z	4.215	4.215	0	%100
121	M117	X	4.072	4.072	0	%100
122	M117	Z	2.351	2.351	0	%100
123	M118	X	4.072	4.072	0	%100
124	M118	Z	2.351	2.351	0	%100
125	M119	X	4.072	4.072	0	%100
126	M119	Z	2.351	2.351	0	%100
127	M120	X	4.072	4.072	0	%100
128	M120	Z	2.351	2.351	0	%100
129	M121	X	7.051	7.051	0	%100
130	M121	Z	4.071	4.071	0	%100
131	M130A	X	4.072	4.072	0	%100
132	M130A	Z	2.351	2.351	0	%100
133	M131A	X	4.072	4.072	0	%100
134	M131A	Z	2.351	2.351	0	%100
135	M132A	X	4.072	4.072	0	%100
136	M132A	Z	2.351	2.351	0	%100
137	M133A	X	4.072	4.072	0	%100
138	M133A	Z	2.351	2.351	0	%100
139	M134A	X	7.051	7.051	0	%100
140	M134A	Z	4.071	4.071	0	%100
141	M143	X	0	0	0	%100

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

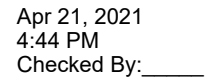
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
142	M143	Z	0	0	0	%100
143	M144	X	0	0	0	%100
144	M144	Z	0	0	0	%100
145	M145	X	0	0	0	%100
146	M145	Z	0	0	0	%100
147	M146	X	0	0	0	%100
148	M146	Z	0	0	0	%100
149	M147	X	7.051	7.051	0	%100
150	M147	Z	4.071	4.071	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in.%]	End Location[in.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	3.632	3.632	0	%100
6	M3	Z	6.292	6.292	0	%100
7	M4	X	3.632	3.632	0	%100
8	M4	Z	6.292	6.292	0	%100
9	M5	X	3.632	3.632	0	%100
10	M5	Z	6.292	6.292	0	%100
11	M6	X	3.632	3.632	0	%100
12	M6	Z	6.292	6.292	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	3.563	3.563	0	%100
16	M8	Z	6.172	6.172	0	%100
17	M9	X	3.563	3.563	0	%100
18	M9	Z	6.172	6.172	0	%100
19	M13	X	.499	.499	0	%100
20	M13	Z	.864	.864	0	%100
21	M14A	X	.499	.499	0	%100
22	M14A	Z	.864	.864	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	6.655	6.655	0	%100
26	M25	Z	11.527	11.527	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	6.655	6.655	0	%100
30	M27	Z	11.527	11.527	0	%100
31	M34	X	.499	.499	0	%100
32	M34	Z	.864	.864	0	%100
33	M42	X	.499	.499	0	%100
34	M42	Z	.864	.864	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	5.225	5.225	0	%100
38	M52	Z	9.05	9.05	0	%100
39	M53	X	5.225	5.225	0	%100
40	M53	Z	9.05	9.05	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	5.225	5.225	0	%100
44	M55	Z	9.05	9.05	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
45	M56	X	5.225	5.225	0	%100
46	M56	Z	9.05	9.05	0	%100
47	M57	X	2.445	2.445	0	%100
48	M57	Z	4.236	4.236	0	%100
49	M58	X	2.445	2.445	0	%100
50	M58	Z	4.236	4.236	0	%100
51	M59	X	5.225	5.225	0	%100
52	M59	Z	9.05	9.05	0	%100
53	M60	X	5.225	5.225	0	%100
54	M60	Z	9.05	9.05	0	%100
55	M61	X	3.882	3.882	0	%100
56	M61	Z	6.724	6.724	0	%100
57	M62	X	5.225	5.225	0	%100
58	M62	Z	9.05	9.05	0	%100
59	M63	X	5.225	5.225	0	%100
60	M63	Z	9.05	9.05	0	%100
61	M64	X	5.048	5.048	0	%100
62	M64	Z	8.743	8.743	0	%100
63	M65	X	5.048	5.048	0	%100
64	M65	Z	8.743	8.743	0	%100
65	M66	X	5.225	5.225	0	%100
66	M66	Z	9.05	9.05	0	%100
67	M67	X	5.225	5.225	0	%100
68	M67	Z	9.05	9.05	0	%100
69	M68	X	3.882	3.882	0	%100
70	M68	Z	6.724	6.724	0	%100
71	M69	X	5.225	5.225	0	%100
72	M69	Z	9.05	9.05	0	%100
73	M70	X	5.225	5.225	0	%100
74	M70	Z	9.05	9.05	0	%100
75	M71	X	5.048	5.048	0	%100
76	M71	Z	8.743	8.743	0	%100
77	M72	X	5.048	5.048	0	%100
78	M72	Z	8.743	8.743	0	%100
79	M127	X	0	0	0	%100
80	M127	Z	0	0	0	%100
81	M128	X	4.584	4.584	0	%100
82	M128	Z	7.94	7.94	0	%100
83	M129	X	5.915	5.915	0	%100
84	M129	Z	10.246	10.246	0	%100
85	M130	X	5.915	5.915	0	%100
86	M130	Z	10.246	10.246	0	%100
87	M131	X	1.241	1.241	0	%100
88	M131	Z	2.149	2.149	0	%100
89	M132	X	1.241	1.241	0	%100
90	M132	Z	2.149	2.149	0	%100
91	M133	X	1.241	1.241	0	%100
92	M133	Z	2.149	2.149	0	%100
93	M134	X	1.241	1.241	0	%100
94	M134	Z	2.149	2.149	0	%100
95	M135	X	1.241	1.241	0	%100
96	M135	Z	2.149	2.149	0	%100
97	MP1A	X	4.215	4.215	0	%100
98	MP1A	Z	7.3	7.3	0	%100
99	MP3A	X	5.102	5.102	0	%100
100	MP3A	Z	8.837	8.837	0	%100
101	MP4A	X	4.215	4.215	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
102	MP4A	Z	7.3	7.3	0	%100
103	MP2A	X	4.215	4.215	0	%100
104	MP2A	Z	7.3	7.3	0	%100
105	MP1C	X	4.215	4.215	0	%100
106	MP1C	Z	7.3	7.3	0	%100
107	MP3C	X	5.102	5.102	0	%100
108	MP3C	Z	8.837	8.837	0	%100
109	MP4C	X	4.215	4.215	0	%100
110	MP4C	Z	7.3	7.3	0	%100
111	MP2C	X	4.215	4.215	0	%100
112	MP2C	Z	7.3	7.3	0	%100
113	MP1B	X	4.215	4.215	0	%100
114	MP1B	Z	7.3	7.3	0	%100
115	MP3B	X	5.102	5.102	0	%100
116	MP3B	Z	8.837	8.837	0	%100
117	MP4B	X	4.215	4.215	0	%100
118	MP4B	Z	7.3	7.3	0	%100
119	MP2B	X	4.215	4.215	0	%100
120	MP2B	Z	7.3	7.3	0	%100
121	M117	X	.784	.784	0	%100
122	M117	Z	1.357	1.357	0	%100
123	M118	X	.784	.784	0	%100
124	M118	Z	1.357	1.357	0	%100
125	M119	X	.784	.784	0	%100
126	M119	Z	1.357	1.357	0	%100
127	M120	X	.784	.784	0	%100
128	M120	Z	1.357	1.357	0	%100
129	M121	X	4.071	4.071	0	%100
130	M121	Z	7.051	7.051	0	%100
131	M130A	X	3.134	3.134	0	%100
132	M130A	Z	5.429	5.429	0	%100
133	M131A	X	3.134	3.134	0	%100
134	M131A	Z	5.429	5.429	0	%100
135	M132A	X	3.134	3.134	0	%100
136	M132A	Z	5.429	5.429	0	%100
137	M133A	X	3.134	3.134	0	%100
138	M133A	Z	5.429	5.429	0	%100
139	M134A	X	4.071	4.071	0	%100
140	M134A	Z	7.051	7.051	0	%100
141	M143	X	.784	.784	0	%100
142	M143	Z	1.357	1.357	0	%100
143	M144	X	.784	.784	0	%100
144	M144	Z	1.357	1.357	0	%100
145	M145	X	.784	.784	0	%100
146	M145	Z	1.357	1.357	0	%100
147	M146	X	.784	.784	0	%100
148	M146	Z	1.357	1.357	0	%100
149	M147	X	4.071	4.071	0	%100
150	M147	Z	7.051	7.051	0	%100

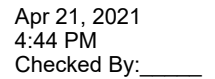
	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F....	Start Location[in.%]	End Location[in.%]
1	M1	X	0	0	0	%100
2	M1	Z	2.422	2.422	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.422	2.422	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
5	M3	X	0	0	0	%100
6	M3	Z	2.422	2.422	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	2.422	2.422	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	9.686	9.686	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	9.686	9.686	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	2.376	2.376	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	2.376	2.376	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	9.502	9.502	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	.333	.333	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	1.331	1.331	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	.333	.333	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	17.746	17.746	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	4.437	4.437	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	4.437	4.437	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	.333	.333	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	1.331	1.331	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	.333	.333	0	%100
37	M52	X	0	0	0	%100
38	M52	Z	10.451	10.451	0	%100
39	M53	X	0	0	0	%100
40	M53	Z	10.451	10.451	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	2.588	2.588	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	10.451	10.451	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	10.451	10.451	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	6.626	6.626	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	6.626	6.626	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	10.451	10.451	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	10.451	10.451	0	%100
55	M61	X	0	0	0	%100
56	M61	Z	2.588	2.588	0	%100
57	M62	X	0	0	0	%100
58	M62	Z	10.451	10.451	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	10.451	10.451	0	%100
61	M64	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
62	M64	Z	6.626	6.626	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	6.626	6.626	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	10.451	10.451	0	%100
67	M67	X	0	0	0	%100
68	M67	Z	10.451	10.451	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	10.352	10.352	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	10.451	10.451	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	10.451	10.451	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	11.831	11.831	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	11.831	11.831	0	%100
79	M127	X	0	0	0	%100
80	M127	Z	2.579	2.579	0	%100
81	M128	X	0	0	0	%100
82	M128	Z	6.877	6.877	0	%100
83	M129	X	0	0	0	%100
84	M129	Z	11.831	11.831	0	%100
85	M130	X	0	0	0	%100
86	M130	Z	11.831	11.831	0	%100
87	M131	X	0	0	0	%100
88	M131	Z	1.861	1.861	0	%100
89	M132	X	0	0	0	%100
90	M132	Z	1.861	1.861	0	%100
91	M133	X	0	0	0	%100
92	M133	Z	1.861	1.861	0	%100
93	M134	X	0	0	0	%100
94	M134	Z	1.861	1.861	0	%100
95	M135	X	0	0	0	%100
96	M135	Z	1.861	1.861	0	%100
97	MP1A	X	0	0	0	%100
98	MP1A	Z	8.429	8.429	0	%100
99	MP3A	X	0	0	0	%100
100	MP3A	Z	10.204	10.204	0	%100
101	MP4A	X	0	0	0	%100
102	MP4A	Z	8.429	8.429	0	%100
103	MP2A	X	0	0	0	%100
104	MP2A	Z	8.429	8.429	0	%100
105	MP1C	X	0	0	0	%100
106	MP1C	Z	8.429	8.429	0	%100
107	MP3C	X	0	0	0	%100
108	MP3C	Z	10.204	10.204	0	%100
109	MP4C	X	0	0	0	%100
110	MP4C	Z	8.429	8.429	0	%100
111	MP2C	X	0	0	0	%100
112	MP2C	Z	8.429	8.429	0	%100
113	MP1B	X	0	0	0	%100
114	MP1B	Z	8.429	8.429	0	%100
115	MP3B	X	0	0	0	%100
116	MP3B	Z	10.204	10.204	0	%100
117	MP4B	X	0	0	0	%100
118	MP4B	Z	8.429	8.429	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
119	MP2B	X	0	0	0	%100
120	MP2B	Z	8.429	8.429	0	%100
121	M117	X	0	0	0	%100
122	M117	Z	0	0	0	%100
123	M118	X	0	0	0	%100
124	M118	Z	0	0	0	%100
125	M119	X	0	0	0	%100
126	M119	Z	0	0	0	%100
127	M120	X	0	0	0	%100
128	M120	Z	0	0	0	%100
129	M121	X	0	0	0	%100
130	M121	Z	8.142	8.142	0	%100
131	M130A	X	0	0	0	%100
132	M130A	Z	4.702	4.702	0	%100
133	M131A	X	0	0	0	%100
134	M131A	Z	4.702	4.702	0	%100
135	M132A	X	0	0	0	%100
136	M132A	Z	4.702	4.702	0	%100
137	M133A	X	0	0	0	%100
138	M133A	Z	4.702	4.702	0	%100
139	M134A	X	0	0	0	%100
140	M134A	Z	8.142	8.142	0	%100
141	M143	X	0	0	0	%100
142	M143	Z	4.702	4.702	0	%100
143	M144	X	0	0	0	%100
144	M144	Z	4.702	4.702	0	%100
145	M145	X	0	0	0	%100
146	M145	Z	4.702	4.702	0	%100
147	M146	X	0	0	0	%100
148	M146	Z	4.702	4.702	0	%100
149	M147	X	0	0	0	%100
150	M147	Z	8.142	8.142	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	-3.632	-3.632	0	%100
2	M1	Z	6.292	6.292	0	%100
3	M2	X	-3.632	-3.632	0	%100
4	M2	Z	6.292	6.292	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-3.632	-3.632	0	%100
10	M5	Z	6.292	6.292	0	%100
11	M6	X	-3.632	-3.632	0	%100
12	M6	Z	6.292	6.292	0	%100
13	M7	X	-3.563	-3.563	0	%100
14	M7	Z	6.172	6.172	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-3.563	-3.563	0	%100
18	M9	Z	6.172	6.172	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	-4.99	-4.99	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
22	M14A	Z	.864	.864	0	%100
23	M18	X	-.499	-.499	0	%100
24	M18	Z	.864	.864	0	%100
25	M25	X	-6.655	-6.655	0	%100
26	M25	Z	11.527	11.527	0	%100
27	M26	X	-6.655	-6.655	0	%100
28	M26	Z	11.527	11.527	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	-.499	-.499	0	%100
34	M42	Z	.864	.864	0	%100
35	M50	X	-.499	-.499	0	%100
36	M50	Z	.864	.864	0	%100
37	M52	X	-5.225	-5.225	0	%100
38	M52	Z	9.05	9.05	0	%100
39	M53	X	-5.225	-5.225	0	%100
40	M53	Z	9.05	9.05	0	%100
41	M54	X	-3.882	-3.882	0	%100
42	M54	Z	6.724	6.724	0	%100
43	M55	X	-5.225	-5.225	0	%100
44	M55	Z	9.05	9.05	0	%100
45	M56	X	-5.225	-5.225	0	%100
46	M56	Z	9.05	9.05	0	%100
47	M57	X	-5.048	-5.048	0	%100
48	M57	Z	8.743	8.743	0	%100
49	M58	X	-5.048	-5.048	0	%100
50	M58	Z	8.743	8.743	0	%100
51	M59	X	-5.225	-5.225	0	%100
52	M59	Z	9.05	9.05	0	%100
53	M60	X	-5.225	-5.225	0	%100
54	M60	Z	9.05	9.05	0	%100
55	M61	X	0	0	0	%100
56	M61	Z	0	0	0	%100
57	M62	X	-5.225	-5.225	0	%100
58	M62	Z	9.05	9.05	0	%100
59	M63	X	-5.225	-5.225	0	%100
60	M63	Z	9.05	9.05	0	%100
61	M64	X	-2.445	-2.445	0	%100
62	M64	Z	4.236	4.236	0	%100
63	M65	X	-2.445	-2.445	0	%100
64	M65	Z	4.236	4.236	0	%100
65	M66	X	-5.225	-5.225	0	%100
66	M66	Z	9.05	9.05	0	%100
67	M67	X	-5.225	-5.225	0	%100
68	M67	Z	9.05	9.05	0	%100
69	M68	X	-3.882	-3.882	0	%100
70	M68	Z	6.724	6.724	0	%100
71	M69	X	-5.225	-5.225	0	%100
72	M69	Z	9.05	9.05	0	%100
73	M70	X	-5.225	-5.225	0	%100
74	M70	Z	9.05	9.05	0	%100
75	M71	X	-5.048	-5.048	0	%100
76	M71	Z	8.743	8.743	0	%100
77	M72	X	-5.048	-5.048	0	%100
78	M72	Z	8.743	8.743	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
79	M127	X	-3.869	-3.869	0	%100
80	M127	Z	6.701	6.701	0	%100
81	M128	X	-1.146	-1.146	0	%100
82	M128	Z	1.985	1.985	0	%100
83	M129	X	-5.915	-5.915	0	%100
84	M129	Z	10.246	10.246	0	%100
85	M130	X	-5.915	-5.915	0	%100
86	M130	Z	10.246	10.246	0	%100
87	M131	X	-.31	-.31	0	%100
88	M131	Z	.537	.537	0	%100
89	M132	X	-.31	-.31	0	%100
90	M132	Z	.537	.537	0	%100
91	M133	X	-.31	-.31	0	%100
92	M133	Z	.537	.537	0	%100
93	M134	X	-.31	-.31	0	%100
94	M134	Z	.537	.537	0	%100
95	M135	X	-.31	-.31	0	%100
96	M135	Z	.537	.537	0	%100
97	MP1A	X	-4.215	-4.215	0	%100
98	MP1A	Z	7.3	7.3	0	%100
99	MP3A	X	-5.102	-5.102	0	%100
100	MP3A	Z	8.837	8.837	0	%100
101	MP4A	X	-4.215	-4.215	0	%100
102	MP4A	Z	7.3	7.3	0	%100
103	MP2A	X	-4.215	-4.215	0	%100
104	MP2A	Z	7.3	7.3	0	%100
105	MP1C	X	-4.215	-4.215	0	%100
106	MP1C	Z	7.3	7.3	0	%100
107	MP3C	X	-5.102	-5.102	0	%100
108	MP3C	Z	8.837	8.837	0	%100
109	MP4C	X	-4.215	-4.215	0	%100
110	MP4C	Z	7.3	7.3	0	%100
111	MP2C	X	-4.215	-4.215	0	%100
112	MP2C	Z	7.3	7.3	0	%100
113	MP1B	X	-4.215	-4.215	0	%100
114	MP1B	Z	7.3	7.3	0	%100
115	MP3B	X	-5.102	-5.102	0	%100
116	MP3B	Z	8.837	8.837	0	%100
117	MP4B	X	-4.215	-4.215	0	%100
118	MP4B	Z	7.3	7.3	0	%100
119	MP2B	X	-4.215	-4.215	0	%100
120	MP2B	Z	7.3	7.3	0	%100
121	M117	X	-.784	-.784	0	%100
122	M117	Z	1.357	1.357	0	%100
123	M118	X	-.784	-.784	0	%100
124	M118	Z	1.357	1.357	0	%100
125	M119	X	-.784	-.784	0	%100
126	M119	Z	1.357	1.357	0	%100
127	M120	X	-.784	-.784	0	%100
128	M120	Z	1.357	1.357	0	%100
129	M121	X	-4.071	-4.071	0	%100
130	M121	Z	7.051	7.051	0	%100
131	M130A	X	-.784	-.784	0	%100
132	M130A	Z	1.357	1.357	0	%100
133	M131A	X	-.784	-.784	0	%100
134	M131A	Z	1.357	1.357	0	%100
135	M132A	X	-.784	-.784	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in.%]	End Location[in.%]
136	M132A	Z	1.357	1.357	0	%100
137	M133A	X	-784	-784	0	%100
138	M133A	Z	1.357	1.357	0	%100
139	M134A	X	-4.071	-4.071	0	%100
140	M134A	Z	7.051	7.051	0	%100
141	M143	X	-3.134	-3.134	0	%100
142	M143	Z	5.429	5.429	0	%100
143	M144	X	-3.134	-3.134	0	%100
144	M144	Z	5.429	5.429	0	%100
145	M145	X	-3.134	-3.134	0	%100
146	M145	Z	5.429	5.429	0	%100
147	M146	X	-3.134	-3.134	0	%100
148	M146	Z	5.429	5.429	0	%100
149	M147	X	-4.071	-4.071	0	%100
150	M147	Z	7.051	7.051	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in.%]	End Location[in.%]
1	M1	X	-8.389	-8.389	0	%100
2	M1	Z	4.843	4.843	0	%100
3	M2	X	-8.389	-8.389	0	%100
4	M2	Z	4.843	4.843	0	%100
5	M3	X	-2.097	-2.097	0	%100
6	M3	Z	1.211	1.211	0	%100
7	M4	X	-2.097	-2.097	0	%100
8	M4	Z	1.211	1.211	0	%100
9	M5	X	-2.097	-2.097	0	%100
10	M5	Z	1.211	1.211	0	%100
11	M6	X	-2.097	-2.097	0	%100
12	M6	Z	1.211	1.211	0	%100
13	M7	X	-8.229	-8.229	0	%100
14	M7	Z	4.751	4.751	0	%100
15	M8	X	-2.057	-2.057	0	%100
16	M8	Z	1.188	1.188	0	%100
17	M9	X	-2.057	-2.057	0	%100
18	M9	Z	1.188	1.188	0	%100
19	M13	X	-.288	-.288	0	%100
20	M13	Z	.166	.166	0	%100
21	M14A	X	-.288	-.288	0	%100
22	M14A	Z	.166	.166	0	%100
23	M18	X	-1.153	-1.153	0	%100
24	M18	Z	.665	.665	0	%100
25	M25	X	-3.842	-3.842	0	%100
26	M25	Z	2.218	2.218	0	%100
27	M26	X	-15.369	-15.369	0	%100
28	M26	Z	8.873	8.873	0	%100
29	M27	X	-3.842	-3.842	0	%100
30	M27	Z	2.218	2.218	0	%100
31	M34	X	-.288	-.288	0	%100
32	M34	Z	.166	.166	0	%100
33	M42	X	-.288	-.288	0	%100
34	M42	Z	.166	.166	0	%100
35	M50	X	-1.153	-1.153	0	%100
36	M50	Z	.665	.665	0	%100
37	M52	X	-9.05	-9.05	0	%100
38	M52	Z	5.225	5.225	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
39	M53	X	-9.05	-9.05	0	%100
40	M53	Z	5.225	5.225	0	%100
41	M54	X	-8.965	-8.965	0	%100
42	M54	Z	5.176	5.176	0	%100
43	M55	X	-9.05	-9.05	0	%100
44	M55	Z	5.225	5.225	0	%100
45	M56	X	-9.05	-9.05	0	%100
46	M56	Z	5.225	5.225	0	%100
47	M57	X	-10.246	-10.246	0	%100
48	M57	Z	5.915	5.915	0	%100
49	M58	X	-10.246	-10.246	0	%100
50	M58	Z	5.915	5.915	0	%100
51	M59	X	-9.05	-9.05	0	%100
52	M59	Z	5.225	5.225	0	%100
53	M60	X	-9.05	-9.05	0	%100
54	M60	Z	5.225	5.225	0	%100
55	M61	X	-2.241	-2.241	0	%100
56	M61	Z	1.294	1.294	0	%100
57	M62	X	-9.05	-9.05	0	%100
58	M62	Z	5.225	5.225	0	%100
59	M63	X	-9.05	-9.05	0	%100
60	M63	Z	5.225	5.225	0	%100
61	M64	X	-5.738	-5.738	0	%100
62	M64	Z	3.313	3.313	0	%100
63	M65	X	-5.738	-5.738	0	%100
64	M65	Z	3.313	3.313	0	%100
65	M66	X	-9.05	-9.05	0	%100
66	M66	Z	5.225	5.225	0	%100
67	M67	X	-9.05	-9.05	0	%100
68	M67	Z	5.225	5.225	0	%100
69	M68	X	-2.241	-2.241	0	%100
70	M68	Z	1.294	1.294	0	%100
71	M69	X	-9.05	-9.05	0	%100
72	M69	Z	5.225	5.225	0	%100
73	M70	X	-9.05	-9.05	0	%100
74	M70	Z	5.225	5.225	0	%100
75	M71	X	-5.738	-5.738	0	%100
76	M71	Z	3.313	3.313	0	%100
77	M72	X	-5.738	-5.738	0	%100
78	M72	Z	3.313	3.313	0	%100
79	M127	X	-8.934	-8.934	0	%100
80	M127	Z	5.158	5.158	0	%100
81	M128	X	0	0	0	%100
82	M128	Z	0	0	0	%100
83	M129	X	-10.246	-10.246	0	%100
84	M129	Z	5.915	5.915	0	%100
85	M130	X	-10.246	-10.246	0	%100
86	M130	Z	5.915	5.915	0	%100
87	M131	X	0	0	0	%100
88	M131	Z	0	0	0	%100
89	M132	X	0	0	0	%100
90	M132	Z	0	0	0	%100
91	M133	X	0	0	0	%100
92	M133	Z	0	0	0	%100
93	M134	X	0	0	0	%100
94	M134	Z	0	0	0	%100
95	M135	X	0	0	0	%100



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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
96	M135	Z	0	0	0	%100
97	MP1A	X	-7.3	-7.3	0	%100
98	MP1A	Z	4.215	4.215	0	%100
99	MP3A	X	-8.837	-8.837	0	%100
100	MP3A	Z	5.102	5.102	0	%100
101	MP4A	X	-7.3	-7.3	0	%100
102	MP4A	Z	4.215	4.215	0	%100
103	MP2A	X	-7.3	-7.3	0	%100
104	MP2A	Z	4.215	4.215	0	%100
105	MP1C	X	-7.3	-7.3	0	%100
106	MP1C	Z	4.215	4.215	0	%100
107	MP3C	X	-8.837	-8.837	0	%100
108	MP3C	Z	5.102	5.102	0	%100
109	MP4C	X	-7.3	-7.3	0	%100
110	MP4C	Z	4.215	4.215	0	%100
111	MP2C	X	-7.3	-7.3	0	%100
112	MP2C	Z	4.215	4.215	0	%100
113	MP1B	X	-7.3	-7.3	0	%100
114	MP1B	Z	4.215	4.215	0	%100
115	MP3B	X	-8.837	-8.837	0	%100
116	MP3B	Z	5.102	5.102	0	%100
117	MP4B	X	-7.3	-7.3	0	%100
118	MP4B	Z	4.215	4.215	0	%100
119	MP2B	X	-7.3	-7.3	0	%100
120	MP2B	Z	4.215	4.215	0	%100
121	M117	X	-4.072	-4.072	0	%100
122	M117	Z	2.351	2.351	0	%100
123	M118	X	-4.072	-4.072	0	%100
124	M118	Z	2.351	2.351	0	%100
125	M119	X	-4.072	-4.072	0	%100
126	M119	Z	2.351	2.351	0	%100
127	M120	X	-4.072	-4.072	0	%100
128	M120	Z	2.351	2.351	0	%100
129	M121	X	-7.051	-7.051	0	%100
130	M121	Z	4.071	4.071	0	%100
131	M130A	X	0	0	0	%100
132	M130A	Z	0	0	0	%100
133	M131A	X	0	0	0	%100
134	M131A	Z	0	0	0	%100
135	M132A	X	0	0	0	%100
136	M132A	Z	0	0	0	%100
137	M133A	X	0	0	0	%100
138	M133A	Z	0	0	0	%100
139	M134A	X	-7.051	-7.051	0	%100
140	M134A	Z	4.071	4.071	0	%100
141	M143	X	-4.072	-4.072	0	%100
142	M143	Z	2.351	2.351	0	%100
143	M144	X	-4.072	-4.072	0	%100
144	M144	Z	2.351	2.351	0	%100
145	M145	X	-4.072	-4.072	0	%100
146	M145	Z	2.351	2.351	0	%100
147	M146	X	-4.072	-4.072	0	%100
148	M146	Z	2.351	2.351	0	%100
149	M147	X	-7.051	-7.051	0	%100
150	M147	Z	4.071	4.071	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	-7.265	-7.265	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-7.265	-7.265	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-7.265	-7.265	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-7.265	-7.265	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-7.127	-7.127	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-7.127	-7.127	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	-.998	-.998	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	-.998	-.998	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-13.31	-13.31	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-13.31	-13.31	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	-.998	-.998	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	-.998	-.998	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	-10.451	-10.451	0	%100
38	M52	Z	0	0	0	%100
39	M53	X	-10.451	-10.451	0	%100
40	M53	Z	0	0	0	%100
41	M54	X	-7.764	-7.764	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	-10.451	-10.451	0	%100
44	M55	Z	0	0	0	%100
45	M56	X	-10.451	-10.451	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	-10.096	-10.096	0	%100
48	M57	Z	0	0	0	%100
49	M58	X	-10.096	-10.096	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	-10.451	-10.451	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-10.451	-10.451	0	%100
54	M60	Z	0	0	0	%100
55	M61	X	-7.764	-7.764	0	%100
56	M61	Z	0	0	0	%100
57	M62	X	-10.451	-10.451	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
58	M62	Z	0	0	0	%100
59	M63	X	-10.451	-10.451	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	-10.096	-10.096	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	-10.096	-10.096	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	-10.451	-10.451	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	-10.451	-10.451	0	%100
68	M67	Z	0	0	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	0	0	0	%100
71	M69	X	-10.451	-10.451	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	-10.451	-10.451	0	%100
74	M70	Z	0	0	0	%100
75	M71	X	-4.891	-4.891	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	-4.891	-4.891	0	%100
78	M72	Z	0	0	0	%100
79	M127	X	-7.737	-7.737	0	%100
80	M127	Z	0	0	0	%100
81	M128	X	-2.292	-2.292	0	%100
82	M128	Z	0	0	0	%100
83	M129	X	-11.831	-11.831	0	%100
84	M129	Z	0	0	0	%100
85	M130	X	-11.831	-11.831	0	%100
86	M130	Z	0	0	0	%100
87	M131	X	-.62	-.62	0	%100
88	M131	Z	0	0	0	%100
89	M132	X	-.62	-.62	0	%100
90	M132	Z	0	0	0	%100
91	M133	X	-.62	-.62	0	%100
92	M133	Z	0	0	0	%100
93	M134	X	-.62	-.62	0	%100
94	M134	Z	0	0	0	%100
95	M135	X	-.62	-.62	0	%100
96	M135	Z	0	0	0	%100
97	MP1A	X	-8.429	-8.429	0	%100
98	MP1A	Z	0	0	0	%100
99	MP3A	X	-10.204	-10.204	0	%100
100	MP3A	Z	0	0	0	%100
101	MP4A	X	-8.429	-8.429	0	%100
102	MP4A	Z	0	0	0	%100
103	MP2A	X	-8.429	-8.429	0	%100
104	MP2A	Z	0	0	0	%100
105	MP1C	X	-8.429	-8.429	0	%100
106	MP1C	Z	0	0	0	%100
107	MP3C	X	-10.204	-10.204	0	%100
108	MP3C	Z	0	0	0	%100
109	MP4C	X	-8.429	-8.429	0	%100
110	MP4C	Z	0	0	0	%100
111	MP2C	X	-8.429	-8.429	0	%100
112	MP2C	Z	0	0	0	%100
113	MP1B	X	-8.429	-8.429	0	%100
114	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in. %]	End Location[in. %]
115	MP3B	X	-10.204	-10.204	0	%100
116	MP3B	Z	0	0	0	%100
117	MP4B	X	-8.429	-8.429	0	%100
118	MP4B	Z	0	0	0	%100
119	MP2B	X	-8.429	-8.429	0	%100
120	MP2B	Z	0	0	0	%100
121	M117	X	-6.269	-6.269	0	%100
122	M117	Z	0	0	0	%100
123	M118	X	-6.269	-6.269	0	%100
124	M118	Z	0	0	0	%100
125	M119	X	-6.269	-6.269	0	%100
126	M119	Z	0	0	0	%100
127	M120	X	-6.269	-6.269	0	%100
128	M120	Z	0	0	0	%100
129	M121	X	-8.142	-8.142	0	%100
130	M121	Z	0	0	0	%100
131	M130A	X	-1.567	-1.567	0	%100
132	M130A	Z	0	0	0	%100
133	M131A	X	-1.567	-1.567	0	%100
134	M131A	Z	0	0	0	%100
135	M132A	X	-1.567	-1.567	0	%100
136	M132A	Z	0	0	0	%100
137	M133A	X	-1.567	-1.567	0	%100
138	M133A	Z	0	0	0	%100
139	M134A	X	-8.142	-8.142	0	%100
140	M134A	Z	0	0	0	%100
141	M143	X	-1.567	-1.567	0	%100
142	M143	Z	0	0	0	%100
143	M144	X	-1.567	-1.567	0	%100
144	M144	Z	0	0	0	%100
145	M145	X	-1.567	-1.567	0	%100
146	M145	Z	0	0	0	%100
147	M146	X	-1.567	-1.567	0	%100
148	M146	Z	0	0	0	%100
149	M147	X	-8.142	-8.142	0	%100
150	M147	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	-2.097	-2.097	0	%100
2	M1	Z	-1.211	-1.211	0	%100
3	M2	X	-2.097	-2.097	0	%100
4	M2	Z	-1.211	-1.211	0	%100
5	M3	X	-8.389	-8.389	0	%100
6	M3	Z	-4.843	-4.843	0	%100
7	M4	X	-8.389	-8.389	0	%100
8	M4	Z	-4.843	-4.843	0	%100
9	M5	X	-2.097	-2.097	0	%100
10	M5	Z	-1.211	-1.211	0	%100
11	M6	X	-2.097	-2.097	0	%100
12	M6	Z	-1.211	-1.211	0	%100
13	M7	X	-2.057	-2.057	0	%100
14	M7	Z	-1.188	-1.188	0	%100
15	M8	X	-8.229	-8.229	0	%100
16	M8	Z	-4.751	-4.751	0	%100
17	M9	X	-2.057	-2.057	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,°]	End Location[in,°]
18	M9	Z	-1.188	-1.188	0	%100
19	M13	X	-1.153	-1.153	0	%100
20	M13	Z	-.665	-.665	0	%100
21	M14A	X	-.288	-.288	0	%100
22	M14A	Z	-.166	-.166	0	%100
23	M18	X	-.288	-.288	0	%100
24	M18	Z	-.166	-.166	0	%100
25	M25	X	-3.842	-3.842	0	%100
26	M25	Z	-2.218	-2.218	0	%100
27	M26	X	-3.842	-3.842	0	%100
28	M26	Z	-2.218	-2.218	0	%100
29	M27	X	-15.369	-15.369	0	%100
30	M27	Z	-8.873	-8.873	0	%100
31	M34	X	-1.153	-1.153	0	%100
32	M34	Z	-.665	-.665	0	%100
33	M42	X	-.288	-.288	0	%100
34	M42	Z	-.166	-.166	0	%100
35	M50	X	-.288	-.288	0	%100
36	M50	Z	-.166	-.166	0	%100
37	M52	X	-9.05	-9.05	0	%100
38	M52	Z	-5.225	-5.225	0	%100
39	M53	X	-9.05	-9.05	0	%100
40	M53	Z	-5.225	-5.225	0	%100
41	M54	X	-2.241	-2.241	0	%100
42	M54	Z	-1.294	-1.294	0	%100
43	M55	X	-9.05	-9.05	0	%100
44	M55	Z	-5.225	-5.225	0	%100
45	M56	X	-9.05	-9.05	0	%100
46	M56	Z	-5.225	-5.225	0	%100
47	M57	X	-5.738	-5.738	0	%100
48	M57	Z	-3.313	-3.313	0	%100
49	M58	X	-5.738	-5.738	0	%100
50	M58	Z	-3.313	-3.313	0	%100
51	M59	X	-9.05	-9.05	0	%100
52	M59	Z	-5.225	-5.225	0	%100
53	M60	X	-9.05	-9.05	0	%100
54	M60	Z	-5.225	-5.225	0	%100
55	M61	X	-8.965	-8.965	0	%100
56	M61	Z	-5.176	-5.176	0	%100
57	M62	X	-9.05	-9.05	0	%100
58	M62	Z	-5.225	-5.225	0	%100
59	M63	X	-9.05	-9.05	0	%100
60	M63	Z	-5.225	-5.225	0	%100
61	M64	X	-10.246	-10.246	0	%100
62	M64	Z	-5.915	-5.915	0	%100
63	M65	X	-10.246	-10.246	0	%100
64	M65	Z	-5.915	-5.915	0	%100
65	M66	X	-9.05	-9.05	0	%100
66	M66	Z	-5.225	-5.225	0	%100
67	M67	X	-9.05	-9.05	0	%100
68	M67	Z	-5.225	-5.225	0	%100
69	M68	X	-2.241	-2.241	0	%100
70	M68	Z	-1.294	-1.294	0	%100
71	M69	X	-9.05	-9.05	0	%100
72	M69	Z	-5.225	-5.225	0	%100
73	M70	X	-9.05	-9.05	0	%100
74	M70	Z	-5.225	-5.225	0	%100



Apr 21, 2021
4:44 PM
Checked By:

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,°]	End Location[in,°]
75	M71	X	-5.738	-5.738	0	%100
76	M71	Z	-3.313	-3.313	0	%100
77	M72	X	-5.738	-5.738	0	%100
78	M72	Z	-3.313	-3.313	0	%100
79	M127	X	-2.234	-2.234	0	%100
80	M127	Z	-1.29	-1.29	0	%100
81	M128	X	-5.955	-5.955	0	%100
82	M128	Z	-3.438	-3.438	0	%100
83	M129	X	-10.246	-10.246	0	%100
84	M129	Z	-5.915	-5.915	0	%100
85	M130	X	-10.246	-10.246	0	%100
86	M130	Z	-5.915	-5.915	0	%100
87	M131	X	-1.612	-1.612	0	%100
88	M131	Z	-.93	-.93	0	%100
89	M132	X	-1.612	-1.612	0	%100
90	M132	Z	-.93	-.93	0	%100
91	M133	X	-1.612	-1.612	0	%100
92	M133	Z	-.93	-.93	0	%100
93	M134	X	-1.612	-1.612	0	%100
94	M134	Z	-.93	-.93	0	%100
95	M135	X	-1.612	-1.612	0	%100
96	M135	Z	-.93	-.93	0	%100
97	MP1A	X	-7.3	-7.3	0	%100
98	MP1A	Z	-4.215	-4.215	0	%100
99	MP3A	X	-8.837	-8.837	0	%100
100	MP3A	Z	-5.102	-5.102	0	%100
101	MP4A	X	-7.3	-7.3	0	%100
102	MP4A	Z	-4.215	-4.215	0	%100
103	MP2A	X	-7.3	-7.3	0	%100
104	MP2A	Z	-4.215	-4.215	0	%100
105	MP1C	X	-7.3	-7.3	0	%100
106	MP1C	Z	-4.215	-4.215	0	%100
107	MP3C	X	-8.837	-8.837	0	%100
108	MP3C	Z	-5.102	-5.102	0	%100
109	MP4C	X	-7.3	-7.3	0	%100
110	MP4C	Z	-4.215	-4.215	0	%100
111	MP2C	X	-7.3	-7.3	0	%100
112	MP2C	Z	-4.215	-4.215	0	%100
113	MP1B	X	-7.3	-7.3	0	%100
114	MP1B	Z	-4.215	-4.215	0	%100
115	MP3B	X	-8.837	-8.837	0	%100
116	MP3B	Z	-5.102	-5.102	0	%100
117	MP4B	X	-7.3	-7.3	0	%100
118	MP4B	Z	-4.215	-4.215	0	%100
119	MP2B	X	-7.3	-7.3	0	%100
120	MP2B	Z	-4.215	-4.215	0	%100
121	M117	X	-4.072	-4.072	0	%100
122	M117	Z	-2.351	-2.351	0	%100
123	M118	X	-4.072	-4.072	0	%100
124	M118	Z	-2.351	-2.351	0	%100
125	M119	X	-4.072	-4.072	0	%100
126	M119	Z	-2.351	-2.351	0	%100
127	M120	X	-4.072	-4.072	0	%100
128	M120	Z	-2.351	-2.351	0	%100
129	M121	X	-7.051	-7.051	0	%100
130	M121	Z	-4.071	-4.071	0	%100
131	M130A	X	-4.072	-4.072	0	%100

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

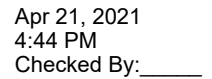
	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
132	M130A	Z	-2.351	-2.351	0	%100
133	M131A	X	-4.072	-4.072	0	%100
134	M131A	Z	-2.351	-2.351	0	%100
135	M132A	X	-4.072	-4.072	0	%100
136	M132A	Z	-2.351	-2.351	0	%100
137	M133A	X	-4.072	-4.072	0	%100
138	M133A	Z	-2.351	-2.351	0	%100
139	M134A	X	-7.051	-7.051	0	%100
140	M134A	Z	-4.071	-4.071	0	%100
141	M143	X	0	0	0	%100
142	M143	Z	0	0	0	%100
143	M144	X	0	0	0	%100
144	M144	Z	0	0	0	%100
145	M145	X	0	0	0	%100
146	M145	Z	0	0	0	%100
147	M146	X	0	0	0	%100
148	M146	Z	0	0	0	%100
149	M147	X	-7.051	-7.051	0	%100
150	M147	Z	-4.071	-4.071	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-3.632	-3.632	0	%100
6	M3	Z	-6.292	-6.292	0	%100
7	M4	X	-3.632	-3.632	0	%100
8	M4	Z	-6.292	-6.292	0	%100
9	M5	X	-3.632	-3.632	0	%100
10	M5	Z	-6.292	-6.292	0	%100
11	M6	X	-3.632	-3.632	0	%100
12	M6	Z	-6.292	-6.292	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-3.563	-3.563	0	%100
16	M8	Z	-6.172	-6.172	0	%100
17	M9	X	-3.563	-3.563	0	%100
18	M9	Z	-6.172	-6.172	0	%100
19	M13	X	-.499	-.499	0	%100
20	M13	Z	-.864	-.864	0	%100
21	M14A	X	-.499	-.499	0	%100
22	M14A	Z	-.864	-.864	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	-6.655	-6.655	0	%100
26	M25	Z	-11.527	-11.527	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-6.655	-6.655	0	%100
30	M27	Z	-11.527	-11.527	0	%100
31	M34	X	-.499	-.499	0	%100
32	M34	Z	-.864	-.864	0	%100
33	M42	X	-.499	-.499	0	%100
34	M42	Z	-.864	-.864	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
35	M50	X	0	0	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	-5.225	-5.225	0	%100
38	M52	Z	-9.05	-9.05	0	%100
39	M53	X	-5.225	-5.225	0	%100
40	M53	Z	-9.05	-9.05	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	-5.225	-5.225	0	%100
44	M55	Z	-9.05	-9.05	0	%100
45	M56	X	-5.225	-5.225	0	%100
46	M56	Z	-9.05	-9.05	0	%100
47	M57	X	-2.445	-2.445	0	%100
48	M57	Z	-4.236	-4.236	0	%100
49	M58	X	-2.445	-2.445	0	%100
50	M58	Z	-4.236	-4.236	0	%100
51	M59	X	-5.225	-5.225	0	%100
52	M59	Z	-9.05	-9.05	0	%100
53	M60	X	-5.225	-5.225	0	%100
54	M60	Z	-9.05	-9.05	0	%100
55	M61	X	-3.882	-3.882	0	%100
56	M61	Z	-6.724	-6.724	0	%100
57	M62	X	-5.225	-5.225	0	%100
58	M62	Z	-9.05	-9.05	0	%100
59	M63	X	-5.225	-5.225	0	%100
60	M63	Z	-9.05	-9.05	0	%100
61	M64	X	-5.048	-5.048	0	%100
62	M64	Z	-8.743	-8.743	0	%100
63	M65	X	-5.048	-5.048	0	%100
64	M65	Z	-8.743	-8.743	0	%100
65	M66	X	-5.225	-5.225	0	%100
66	M66	Z	-9.05	-9.05	0	%100
67	M67	X	-5.225	-5.225	0	%100
68	M67	Z	-9.05	-9.05	0	%100
69	M68	X	-3.882	-3.882	0	%100
70	M68	Z	-6.724	-6.724	0	%100
71	M69	X	-5.225	-5.225	0	%100
72	M69	Z	-9.05	-9.05	0	%100
73	M70	X	-5.225	-5.225	0	%100
74	M70	Z	-9.05	-9.05	0	%100
75	M71	X	-5.048	-5.048	0	%100
76	M71	Z	-8.743	-8.743	0	%100
77	M72	X	-5.048	-5.048	0	%100
78	M72	Z	-8.743	-8.743	0	%100
79	M127	X	0	0	0	%100
80	M127	Z	0	0	0	%100
81	M128	X	-4.584	-4.584	0	%100
82	M128	Z	-7.94	-7.94	0	%100
83	M129	X	-5.915	-5.915	0	%100
84	M129	Z	-10.246	-10.246	0	%100
85	M130	X	-5.915	-5.915	0	%100
86	M130	Z	-10.246	-10.246	0	%100
87	M131	X	-1.241	-1.241	0	%100
88	M131	Z	-2.149	-2.149	0	%100
89	M132	X	-1.241	-1.241	0	%100
90	M132	Z	-2.149	-2.149	0	%100
91	M133	X	-1.241	-1.241	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft.F...	Start Location[in,%]	End Location[in,%]
92	M133	Z	-2.149	-2.149	0	%100
93	M134	X	-1.241	-1.241	0	%100
94	M134	Z	-2.149	-2.149	0	%100
95	M135	X	-1.241	-1.241	0	%100
96	M135	Z	-2.149	-2.149	0	%100
97	MP1A	X	-4.215	-4.215	0	%100
98	MP1A	Z	-7.3	-7.3	0	%100
99	MP3A	X	-5.102	-5.102	0	%100
100	MP3A	Z	-8.837	-8.837	0	%100
101	MP4A	X	-4.215	-4.215	0	%100
102	MP4A	Z	-7.3	-7.3	0	%100
103	MP2A	X	-4.215	-4.215	0	%100
104	MP2A	Z	-7.3	-7.3	0	%100
105	MP1C	X	-4.215	-4.215	0	%100
106	MP1C	Z	-7.3	-7.3	0	%100
107	MP3C	X	-5.102	-5.102	0	%100
108	MP3C	Z	-8.837	-8.837	0	%100
109	MP4C	X	-4.215	-4.215	0	%100
110	MP4C	Z	-7.3	-7.3	0	%100
111	MP2C	X	-4.215	-4.215	0	%100
112	MP2C	Z	-7.3	-7.3	0	%100
113	MP1B	X	-4.215	-4.215	0	%100
114	MP1B	Z	-7.3	-7.3	0	%100
115	MP3B	X	-5.102	-5.102	0	%100
116	MP3B	Z	-8.837	-8.837	0	%100
117	MP4B	X	-4.215	-4.215	0	%100
118	MP4B	Z	-7.3	-7.3	0	%100
119	MP2B	X	-4.215	-4.215	0	%100
120	MP2B	Z	-7.3	-7.3	0	%100
121	M117	X	-784	-784	0	%100
122	M117	Z	-1.357	-1.357	0	%100
123	M118	X	-784	-784	0	%100
124	M118	Z	-1.357	-1.357	0	%100
125	M119	X	-784	-784	0	%100
126	M119	Z	-1.357	-1.357	0	%100
127	M120	X	-784	-784	0	%100
128	M120	Z	-1.357	-1.357	0	%100
129	M121	X	-4.071	-4.071	0	%100
130	M121	Z	-7.051	-7.051	0	%100
131	M130A	X	-3.134	-3.134	0	%100
132	M130A	Z	-5.429	-5.429	0	%100
133	M131A	X	-3.134	-3.134	0	%100
134	M131A	Z	-5.429	-5.429	0	%100
135	M132A	X	-3.134	-3.134	0	%100
136	M132A	Z	-5.429	-5.429	0	%100
137	M133A	X	-3.134	-3.134	0	%100
138	M133A	Z	-5.429	-5.429	0	%100
139	M134A	X	-4.071	-4.071	0	%100
140	M134A	Z	-7.051	-7.051	0	%100
141	M143	X	-784	-784	0	%100
142	M143	Z	-1.357	-1.357	0	%100
143	M144	X	-784	-784	0	%100
144	M144	Z	-1.357	-1.357	0	%100
145	M145	X	-784	-784	0	%100
146	M145	Z	-1.357	-1.357	0	%100
147	M146	X	-784	-784	0	%100
148	M146	Z	-1.357	-1.357	0	%100

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

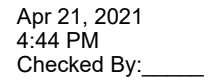
	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
149	M147	X	-4.071	-4.071	0	%100
150	M147	Z	-7.051	-7.051	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	0	0	0	%100
2	M1	Z	-.739	-.739	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.739	-.739	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.739	-.739	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.739	-.739	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-2.955	-2.955	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-2.955	-2.955	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-.731	-.731	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-.731	-.731	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-2.925	-2.925	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	-.259	-.259	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	-1.034	-1.034	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-.259	-.259	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-4.287	-4.287	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-1.072	-1.072	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-1.072	-1.072	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	-.259	-.259	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	-1.034	-1.034	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	-.259	-.259	0	%100
37	M52	X	0	0	0	%100
38	M52	Z	-2.845	-2.845	0	%100
39	M53	X	0	0	0	%100
40	M53	Z	-2.845	-2.845	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	-.705	-.705	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	-2.845	-2.845	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	-2.845	-2.845	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	-1.824	-1.824	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	-1.824	-1.824	0	%100
51	M59	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
52	M59	Z	-2.845	-2.845	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	-2.845	-2.845	0	%100
55	M61	X	0	0	0	%100
56	M61	Z	-.705	-.705	0	%100
57	M62	X	0	0	0	%100
58	M62	Z	-2.845	-2.845	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	-2.845	-2.845	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	-1.824	-1.824	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	-1.824	-1.824	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	-2.845	-2.845	0	%100
67	M67	X	0	0	0	%100
68	M67	Z	-2.845	-2.845	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	-2.818	-2.818	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-2.845	-2.845	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-2.845	-2.845	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	-3.257	-3.257	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	-3.257	-3.257	0	%100
79	M127	X	0	0	0	%100
80	M127	Z	-.702	-.702	0	%100
81	M128	X	0	0	0	%100
82	M128	Z	-1.869	-1.869	0	%100
83	M129	X	0	0	0	%100
84	M129	Z	-3.309	-3.309	0	%100
85	M130	X	0	0	0	%100
86	M130	Z	-3.309	-3.309	0	%100
87	M131	X	0	0	0	%100
88	M131	Z	-.983	-.983	0	%100
89	M132	X	0	0	0	%100
90	M132	Z	-.983	-.983	0	%100
91	M133	X	0	0	0	%100
92	M133	Z	-.983	-.983	0	%100
93	M134	X	0	0	0	%100
94	M134	Z	-.983	-.983	0	%100
95	M135	X	0	0	0	%100
96	M135	Z	-.983	-.983	0	%100
97	MP1A	X	0	0	0	%100
98	MP1A	Z	-2.747	-2.747	0	%100
99	MP3A	X	0	0	0	%100
100	MP3A	Z	-3.041	-3.041	0	%100
101	MP4A	X	0	0	0	%100
102	MP4A	Z	-2.747	-2.747	0	%100
103	MP2A	X	0	0	0	%100
104	MP2A	Z	-2.747	-2.747	0	%100
105	MP1C	X	0	0	0	%100
106	MP1C	Z	-2.747	-2.747	0	%100
107	MP3C	X	0	0	0	%100
108	MP3C	Z	-3.041	-3.041	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
109	MP4C	X	0	0	0	%100
110	MP4C	Z	-2.747	-2.747	0	%100
111	MP2C	X	0	0	0	%100
112	MP2C	Z	-2.747	-2.747	0	%100
113	MP1B	X	0	0	0	%100
114	MP1B	Z	-2.747	-2.747	0	%100
115	MP3B	X	0	0	0	%100
116	MP3B	Z	-3.041	-3.041	0	%100
117	MP4B	X	0	0	0	%100
118	MP4B	Z	-2.747	-2.747	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	-2.747	-2.747	0	%100
121	M117	X	0	0	0	%100
122	M117	Z	0	0	0	%100
123	M118	X	0	0	0	%100
124	M118	Z	0	0	0	%100
125	M119	X	0	0	0	%100
126	M119	Z	0	0	0	%100
127	M120	X	0	0	0	%100
128	M120	Z	0	0	0	%100
129	M121	X	0	0	0	%100
130	M121	Z	-2.67	-2.67	0	%100
131	M130A	X	0	0	0	%100
132	M130A	Z	-1.42	-1.42	0	%100
133	M131A	X	0	0	0	%100
134	M131A	Z	-1.42	-1.42	0	%100
135	M132A	X	0	0	0	%100
136	M132A	Z	-1.42	-1.42	0	%100
137	M133A	X	0	0	0	%100
138	M133A	Z	-1.42	-1.42	0	%100
139	M134A	X	0	0	0	%100
140	M134A	Z	-2.67	-2.67	0	%100
141	M143	X	0	0	0	%100
142	M143	Z	-1.42	-1.42	0	%100
143	M144	X	0	0	0	%100
144	M144	Z	-1.42	-1.42	0	%100
145	M145	X	0	0	0	%100
146	M145	Z	-1.42	-1.42	0	%100
147	M146	X	0	0	0	%100
148	M146	Z	-1.42	-1.42	0	%100
149	M147	X	0	0	0	%100
150	M147	Z	-2.67	-2.67	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	1.108	1.108	0	%100
2	M1	Z	-1.919	-1.919	0	%100
3	M2	X	1.108	1.108	0	%100
4	M2	Z	-1.919	-1.919	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	1.108	1.108	0	%100
10	M5	Z	-1.919	-1.919	0	%100
11	M6	X	1.108	1.108	0	%100



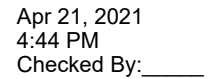
Member Distributed Loads (BLC 54 : Structure Wi (30 Deg)) (Continued)

RISA-3D Version 17.0.4



Apr 21, 2021
4:44 PM
Checked By:

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
69	M68	X	1.057	1.057	0	%100
70	M68	Z	-1.83	-1.83	0	%100
71	M69	X	1.423	1.423	0	%100
72	M69	Z	-2.464	-2.464	0	%100
73	M70	X	1.423	1.423	0	%100
74	M70	Z	-2.464	-2.464	0	%100
75	M71	X	1.39	1.39	0	%100
76	M71	Z	-2.407	-2.407	0	%100
77	M72	X	1.39	1.39	0	%100
78	M72	Z	-2.407	-2.407	0	%100
79	M127	X	1.053	1.053	0	%100
80	M127	Z	-1.824	-1.824	0	%100
81	M128	X	.312	.312	0	%100
82	M128	Z	-.54	-.54	0	%100
83	M129	X	1.655	1.655	0	%100
84	M129	Z	-2.866	-2.866	0	%100
85	M130	X	1.655	1.655	0	%100
86	M130	Z	-2.866	-2.866	0	%100
87	M131	X	.164	.164	0	%100
88	M131	Z	-.284	-.284	0	%100
89	M132	X	.164	.164	0	%100
90	M132	Z	-.284	-.284	0	%100
91	M133	X	.164	.164	0	%100
92	M133	Z	-.284	-.284	0	%100
93	M134	X	.164	.164	0	%100
94	M134	Z	-.284	-.284	0	%100
95	M135	X	.164	.164	0	%100
96	M135	Z	-.284	-.284	0	%100
97	MP1A	X	1.374	1.374	0	%100
98	MP1A	Z	-2.379	-2.379	0	%100
99	MP3A	X	1.52	1.52	0	%100
100	MP3A	Z	-2.633	-2.633	0	%100
101	MP4A	X	1.374	1.374	0	%100
102	MP4A	Z	-2.379	-2.379	0	%100
103	MP2A	X	1.374	1.374	0	%100
104	MP2A	Z	-2.379	-2.379	0	%100
105	MP1C	X	1.374	1.374	0	%100
106	MP1C	Z	-2.379	-2.379	0	%100
107	MP3C	X	1.52	1.52	0	%100
108	MP3C	Z	-2.633	-2.633	0	%100
109	MP4C	X	1.374	1.374	0	%100
110	MP4C	Z	-2.379	-2.379	0	%100
111	MP2C	X	1.374	1.374	0	%100
112	MP2C	Z	-2.379	-2.379	0	%100
113	MP1B	X	1.374	1.374	0	%100
114	MP1B	Z	-2.379	-2.379	0	%100
115	MP3B	X	1.52	1.52	0	%100
116	MP3B	Z	-2.633	-2.633	0	%100
117	MP4B	X	1.374	1.374	0	%100
118	MP4B	Z	-2.379	-2.379	0	%100
119	MP2B	X	1.374	1.374	0	%100
120	MP2B	Z	-2.379	-2.379	0	%100
121	M117	X	.237	.237	0	%100
122	M117	Z	-.41	-.41	0	%100
123	M118	X	.237	.237	0	%100
124	M118	Z	-.41	-.41	0	%100
125	M119	X	.237	.237	0	%100



	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in,%]	End Location[in,%]
126	M119	Z	-.41	-.41	0	%100
127	M120	X	.237	.237	0	%100
128	M120	Z	-.41	-.41	0	%100
129	M121	X	1.335	1.335	0	%100
130	M121	Z	-2.312	-2.312	0	%100
131	M130A	X	.237	.237	0	%100
132	M130A	Z	-.41	-.41	0	%100
133	M131A	X	.237	.237	0	%100
134	M131A	Z	-.41	-.41	0	%100
135	M132A	X	.237	.237	0	%100
136	M132A	Z	-.41	-.41	0	%100
137	M133A	X	.237	.237	0	%100
138	M133A	Z	-.41	-.41	0	%100
139	M134A	X	1.335	1.335	0	%100
140	M134A	Z	-2.312	-2.312	0	%100
141	M143	X	.947	.947	0	%100
142	M143	Z	-1.64	-1.64	0	%100
143	M144	X	.947	.947	0	%100
144	M144	Z	-1.64	-1.64	0	%100
145	M145	X	.947	.947	0	%100
146	M145	Z	-1.64	-1.64	0	%100
147	M146	X	.947	.947	0	%100
148	M146	Z	-1.64	-1.64	0	%100
149	M147	X	1.335	1.335	0	%100
150	M147	Z	-2.312	-2.312	0	%100

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft.F...	Start Location[in.%]	End Location[in.%]
1	M1	X	2.559	2.559	0	%100
2	M1	Z	-1.478	-1.478	0	%100
3	M2	X	2.559	2.559	0	%100
4	M2	Z	-1.478	-1.478	0	%100
5	M3	X	.64	.64	0	%100
6	M3	Z	-.369	-.369	0	%100
7	M4	X	.64	.64	0	%100
8	M4	Z	-.369	-.369	0	%100
9	M5	X	.64	.64	0	%100
10	M5	Z	-.369	-.369	0	%100
11	M6	X	.64	.64	0	%100
12	M6	Z	-.369	-.369	0	%100
13	M7	X	2.533	2.533	0	%100
14	M7	Z	-1.462	-1.462	0	%100
15	M8	X	.633	.633	0	%100
16	M8	Z	-.366	-.366	0	%100
17	M9	X	.633	.633	0	%100
18	M9	Z	-.366	-.366	0	%100
19	M13	X	.224	.224	0	%100
20	M13	Z	-.129	-.129	0	%100
21	M14A	X	.224	.224	0	%100
22	M14A	Z	-.129	-.129	0	%100
23	M18	X	.896	.896	0	%100
24	M18	Z	-.517	-.517	0	%100
25	M25	X	.928	.928	0	%100
26	M25	Z	-.536	-.536	0	%100
27	M26	X	3.713	3.713	0	%100
28	M26	Z	-2.143	-2.143	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
29	M27	X	.928	.928	0	%100
30	M27	Z	-.536	-.536	0	%100
31	M34	X	.224	.224	0	%100
32	M34	Z	-.129	-.129	0	%100
33	M42	X	.224	.224	0	%100
34	M42	Z	-.129	-.129	0	%100
35	M50	X	.896	.896	0	%100
36	M50	Z	-.517	-.517	0	%100
37	M52	X	2.464	2.464	0	%100
38	M52	Z	-1.423	-1.423	0	%100
39	M53	X	2.464	2.464	0	%100
40	M53	Z	-1.423	-1.423	0	%100
41	M54	X	2.441	2.441	0	%100
42	M54	Z	-1.409	-1.409	0	%100
43	M55	X	2.464	2.464	0	%100
44	M55	Z	-1.423	-1.423	0	%100
45	M56	X	2.464	2.464	0	%100
46	M56	Z	-1.423	-1.423	0	%100
47	M57	X	2.82	2.82	0	%100
48	M57	Z	-1.628	-1.628	0	%100
49	M58	X	2.82	2.82	0	%100
50	M58	Z	-1.628	-1.628	0	%100
51	M59	X	2.464	2.464	0	%100
52	M59	Z	-1.423	-1.423	0	%100
53	M60	X	2.464	2.464	0	%100
54	M60	Z	-1.423	-1.423	0	%100
55	M61	X	.61	.61	0	%100
56	M61	Z	-.352	-.352	0	%100
57	M62	X	2.464	2.464	0	%100
58	M62	Z	-1.423	-1.423	0	%100
59	M63	X	2.464	2.464	0	%100
60	M63	Z	-1.423	-1.423	0	%100
61	M64	X	1.58	1.58	0	%100
62	M64	Z	-.912	-.912	0	%100
63	M65	X	1.58	1.58	0	%100
64	M65	Z	-.912	-.912	0	%100
65	M66	X	2.464	2.464	0	%100
66	M66	Z	-1.423	-1.423	0	%100
67	M67	X	2.464	2.464	0	%100
68	M67	Z	-1.423	-1.423	0	%100
69	M68	X	.61	.61	0	%100
70	M68	Z	-.352	-.352	0	%100
71	M69	X	2.464	2.464	0	%100
72	M69	Z	-1.423	-1.423	0	%100
73	M70	X	2.464	2.464	0	%100
74	M70	Z	-1.423	-1.423	0	%100
75	M71	X	1.58	1.58	0	%100
76	M71	Z	-.912	-.912	0	%100
77	M72	X	1.58	1.58	0	%100
78	M72	Z	-.912	-.912	0	%100
79	M127	X	2.432	2.432	0	%100
80	M127	Z	-1.404	-1.404	0	%100
81	M128	X	0	0	0	%100
82	M128	Z	0	0	0	%100
83	M129	X	2.866	2.866	0	%100
84	M129	Z	-1.655	-1.655	0	%100
85	M130	X	2.866	2.866	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[in, %]	End Location[in, %]
86	M130	Z	-1.655	-1.655	0	%100
87	M131	X	0	0	0	%100
88	M131	Z	0	0	0	%100
89	M132	X	0	0	0	%100
90	M132	Z	0	0	0	%100
91	M133	X	0	0	0	%100
92	M133	Z	0	0	0	%100
93	M134	X	0	0	0	%100
94	M134	Z	0	0	0	%100
95	M135	X	0	0	0	%100
96	M135	Z	0	0	0	%100
97	MP1A	X	2.379	2.379	0	%100
98	MP1A	Z	-1.374	-1.374	0	%100
99	MP3A	X	2.633	2.633	0	%100
100	MP3A	Z	-1.52	-1.52	0	%100
101	MP4A	X	2.379	2.379	0	%100
102	MP4A	Z	-1.374	-1.374	0	%100
103	MP2A	X	2.379	2.379	0	%100
104	MP2A	Z	-1.374	-1.374	0	%100
105	MP1C	X	2.379	2.379	0	%100
106	MP1C	Z	-1.374	-1.374	0	%100
107	MP3C	X	2.633	2.633	0	%100
108	MP3C	Z	-1.52	-1.52	0	%100
109	MP4C	X	2.379	2.379	0	%100
110	MP4C	Z	-1.374	-1.374	0	%100
111	MP2C	X	2.379	2.379	0	%100
112	MP2C	Z	-1.374	-1.374	0	%100
113	MP1B	X	2.379	2.379	0	%100
114	MP1B	Z	-1.374	-1.374	0	%100
115	MP3B	X	2.633	2.633	0	%100
116	MP3B	Z	-1.52	-1.52	0	%100
117	MP4B	X	2.379	2.379	0	%100
118	MP4B	Z	-1.374	-1.374	0	%100
119	MP2B	X	2.379	2.379	0	%100
120	MP2B	Z	-1.374	-1.374	0	%100
121	M117	X	1.23	1.23	0	%100
122	M117	Z	-.71	-.71	0	%100
123	M118	X	1.23	1.23	0	%100
124	M118	Z	-.71	-.71	0	%100
125	M119	X	1.23	1.23	0	%100
126	M119	Z	-.71	-.71	0	%100
127	M120	X	1.23	1.23	0	%100
128	M120	Z	-.71	-.71	0	%100
129	M121	X	2.312	2.312	0	%100
130	M121	Z	-1.335	-1.335	0	%100
131	M130A	X	0	0	0	%100
132	M130A	Z	0	0	0	%100
133	M131A	X	0	0	0	%100
134	M131A	Z	0	0	0	%100
135	M132A	X	0	0	0	%100
136	M132A	Z	0	0	0	%100
137	M133A	X	0	0	0	%100
138	M133A	Z	0	0	0	%100
139	M134A	X	2.312	2.312	0	%100
140	M134A	Z	-1.335	-1.335	0	%100
141	M143	X	1.23	1.23	0	%100
142	M143	Z	-.71	-.71	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
143	M144	X	1.23	1.23	0	%100
144	M144	Z	-.71	-.71	0	%100
145	M145	X	1.23	1.23	0	%100
146	M145	Z	-.71	-.71	0	%100
147	M146	X	1.23	1.23	0	%100
148	M146	Z	-.71	-.71	0	%100
149	M147	X	2.312	2.312	0	%100
150	M147	Z	-1.335	-1.335	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	2.216	2.216	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	2.216	2.216	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	2.216	2.216	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	2.216	2.216	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	2.193	2.193	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	2.193	2.193	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	.776	.776	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	.776	.776	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	3.215	3.215	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	3.215	3.215	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	.776	.776	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	.776	.776	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	2.845	2.845	0	%100
38	M52	Z	0	0	0	%100
39	M53	X	2.845	2.845	0	%100
40	M53	Z	0	0	0	%100
41	M54	X	2.114	2.114	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	2.845	2.845	0	%100
44	M55	Z	0	0	0	%100
45	M56	X	2.845	2.845	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
46	M56	Z	0	0	0	%100
47	M57	X	2.779	2.779	0	%100
48	M57	Z	0	0	0	%100
49	M58	X	2.779	2.779	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	2.845	2.845	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	2.845	2.845	0	%100
54	M60	Z	0	0	0	%100
55	M61	X	2.114	2.114	0	%100
56	M61	Z	0	0	0	%100
57	M62	X	2.845	2.845	0	%100
58	M62	Z	0	0	0	%100
59	M63	X	2.845	2.845	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	2.779	2.779	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	2.779	2.779	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	2.845	2.845	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	2.845	2.845	0	%100
68	M67	Z	0	0	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	0	0	0	%100
71	M69	X	2.845	2.845	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	2.845	2.845	0	%100
74	M70	Z	0	0	0	%100
75	M71	X	1.346	1.346	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	1.346	1.346	0	%100
78	M72	Z	0	0	0	%100
79	M127	X	2.106	2.106	0	%100
80	M127	Z	0	0	0	%100
81	M128	X	.623	.623	0	%100
82	M128	Z	0	0	0	%100
83	M129	X	3.309	3.309	0	%100
84	M129	Z	0	0	0	%100
85	M130	X	3.309	3.309	0	%100
86	M130	Z	0	0	0	%100
87	M131	X	.328	.328	0	%100
88	M131	Z	0	0	0	%100
89	M132	X	.328	.328	0	%100
90	M132	Z	0	0	0	%100
91	M133	X	.328	.328	0	%100
92	M133	Z	0	0	0	%100
93	M134	X	.328	.328	0	%100
94	M134	Z	0	0	0	%100
95	M135	X	.328	.328	0	%100
96	M135	Z	0	0	0	%100
97	MP1A	X	2.747	2.747	0	%100
98	MP1A	Z	0	0	0	%100
99	MP3A	X	3.041	3.041	0	%100
100	MP3A	Z	0	0	0	%100
101	MP4A	X	2.747	2.747	0	%100
102	MP4A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
103	MP2A	X	2.747	2.747	0	%100
104	MP2A	Z	0	0	0	%100
105	MP1C	X	2.747	2.747	0	%100
106	MP1C	Z	0	0	0	%100
107	MP3C	X	3.041	3.041	0	%100
108	MP3C	Z	0	0	0	%100
109	MP4C	X	2.747	2.747	0	%100
110	MP4C	Z	0	0	0	%100
111	MP2C	X	2.747	2.747	0	%100
112	MP2C	Z	0	0	0	%100
113	MP1B	X	2.747	2.747	0	%100
114	MP1B	Z	0	0	0	%100
115	MP3B	X	3.041	3.041	0	%100
116	MP3B	Z	0	0	0	%100
117	MP4B	X	2.747	2.747	0	%100
118	MP4B	Z	0	0	0	%100
119	MP2B	X	2.747	2.747	0	%100
120	MP2B	Z	0	0	0	%100
121	M117	X	1.894	1.894	0	%100
122	M117	Z	0	0	0	%100
123	M118	X	1.894	1.894	0	%100
124	M118	Z	0	0	0	%100
125	M119	X	1.894	1.894	0	%100
126	M119	Z	0	0	0	%100
127	M120	X	1.894	1.894	0	%100
128	M120	Z	0	0	0	%100
129	M121	X	2.67	2.67	0	%100
130	M121	Z	0	0	0	%100
131	M130A	X	.473	.473	0	%100
132	M130A	Z	0	0	0	%100
133	M131A	X	.473	.473	0	%100
134	M131A	Z	0	0	0	%100
135	M132A	X	.473	.473	0	%100
136	M132A	Z	0	0	0	%100
137	M133A	X	.473	.473	0	%100
138	M133A	Z	0	0	0	%100
139	M134A	X	2.67	2.67	0	%100
140	M134A	Z	0	0	0	%100
141	M143	X	.473	.473	0	%100
142	M143	Z	0	0	0	%100
143	M144	X	.473	.473	0	%100
144	M144	Z	0	0	0	%100
145	M145	X	.473	.473	0	%100
146	M145	Z	0	0	0	%100
147	M146	X	.473	.473	0	%100
148	M146	Z	0	0	0	%100
149	M147	X	2.67	2.67	0	%100
150	M147	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in.%]	End Location[in.%]
1	M1	X	.64	.64	0	%100
2	M1	Z	.369	.369	0	%100
3	M2	X	.64	.64	0	%100
4	M2	Z	.369	.369	0	%100
5	M3	X	2.559	2.559	0	%100



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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
6	M3	Z	1.478	1.478	0	%100
7	M4	X	2.559	2.559	0	%100
8	M4	Z	1.478	1.478	0	%100
9	M5	X	.64	.64	0	%100
10	M5	Z	.369	.369	0	%100
11	M6	X	.64	.64	0	%100
12	M6	Z	.369	.369	0	%100
13	M7	X	.633	.633	0	%100
14	M7	Z	.366	.366	0	%100
15	M8	X	2.533	2.533	0	%100
16	M8	Z	1.462	1.462	0	%100
17	M9	X	.633	.633	0	%100
18	M9	Z	.366	.366	0	%100
19	M13	X	.896	.896	0	%100
20	M13	Z	.517	.517	0	%100
21	M14A	X	.224	.224	0	%100
22	M14A	Z	.129	.129	0	%100
23	M18	X	.224	.224	0	%100
24	M18	Z	.129	.129	0	%100
25	M25	X	.928	.928	0	%100
26	M25	Z	.536	.536	0	%100
27	M26	X	.928	.928	0	%100
28	M26	Z	.536	.536	0	%100
29	M27	X	3.713	3.713	0	%100
30	M27	Z	2.143	2.143	0	%100
31	M34	X	.896	.896	0	%100
32	M34	Z	.517	.517	0	%100
33	M42	X	.224	.224	0	%100
34	M42	Z	.129	.129	0	%100
35	M50	X	.224	.224	0	%100
36	M50	Z	.129	.129	0	%100
37	M52	X	2.464	2.464	0	%100
38	M52	Z	1.423	1.423	0	%100
39	M53	X	2.464	2.464	0	%100
40	M53	Z	1.423	1.423	0	%100
41	M54	X	.61	.61	0	%100
42	M54	Z	.352	.352	0	%100
43	M55	X	2.464	2.464	0	%100
44	M55	Z	1.423	1.423	0	%100
45	M56	X	2.464	2.464	0	%100
46	M56	Z	1.423	1.423	0	%100
47	M57	X	1.58	1.58	0	%100
48	M57	Z	.912	.912	0	%100
49	M58	X	1.58	1.58	0	%100
50	M58	Z	.912	.912	0	%100
51	M59	X	2.464	2.464	0	%100
52	M59	Z	1.423	1.423	0	%100
53	M60	X	2.464	2.464	0	%100
54	M60	Z	1.423	1.423	0	%100
55	M61	X	2.441	2.441	0	%100
56	M61	Z	1.409	1.409	0	%100
57	M62	X	2.464	2.464	0	%100
58	M62	Z	1.423	1.423	0	%100
59	M63	X	2.464	2.464	0	%100
60	M63	Z	1.423	1.423	0	%100
61	M64	X	2.82	2.82	0	%100
62	M64	Z	1.628	1.628	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
63	M65	X	2.82	2.82	0	%100
64	M65	Z	1.628	1.628	0	%100
65	M66	X	2.464	2.464	0	%100
66	M66	Z	1.423	1.423	0	%100
67	M67	X	2.464	2.464	0	%100
68	M67	Z	1.423	1.423	0	%100
69	M68	X	.61	.61	0	%100
70	M68	Z	.352	.352	0	%100
71	M69	X	2.464	2.464	0	%100
72	M69	Z	1.423	1.423	0	%100
73	M70	X	2.464	2.464	0	%100
74	M70	Z	1.423	1.423	0	%100
75	M71	X	1.58	1.58	0	%100
76	M71	Z	.912	.912	0	%100
77	M72	X	1.58	1.58	0	%100
78	M72	Z	.912	.912	0	%100
79	M127	X	.608	.608	0	%100
80	M127	Z	.351	.351	0	%100
81	M128	X	1.619	1.619	0	%100
82	M128	Z	.935	.935	0	%100
83	M129	X	2.866	2.866	0	%100
84	M129	Z	1.655	1.655	0	%100
85	M130	X	2.866	2.866	0	%100
86	M130	Z	1.655	1.655	0	%100
87	M131	X	.852	.852	0	%100
88	M131	Z	.492	.492	0	%100
89	M132	X	.852	.852	0	%100
90	M132	Z	.492	.492	0	%100
91	M133	X	.852	.852	0	%100
92	M133	Z	.492	.492	0	%100
93	M134	X	.852	.852	0	%100
94	M134	Z	.492	.492	0	%100
95	M135	X	.852	.852	0	%100
96	M135	Z	.492	.492	0	%100
97	MP1A	X	2.379	2.379	0	%100
98	MP1A	Z	1.374	1.374	0	%100
99	MP3A	X	2.633	2.633	0	%100
100	MP3A	Z	1.52	1.52	0	%100
101	MP4A	X	2.379	2.379	0	%100
102	MP4A	Z	1.374	1.374	0	%100
103	MP2A	X	2.379	2.379	0	%100
104	MP2A	Z	1.374	1.374	0	%100
105	MP1C	X	2.379	2.379	0	%100
106	MP1C	Z	1.374	1.374	0	%100
107	MP3C	X	2.633	2.633	0	%100
108	MP3C	Z	1.52	1.52	0	%100
109	MP4C	X	2.379	2.379	0	%100
110	MP4C	Z	1.374	1.374	0	%100
111	MP2C	X	2.379	2.379	0	%100
112	MP2C	Z	1.374	1.374	0	%100
113	MP1B	X	2.379	2.379	0	%100
114	MP1B	Z	1.374	1.374	0	%100
115	MP3B	X	2.633	2.633	0	%100
116	MP3B	Z	1.52	1.52	0	%100
117	MP4B	X	2.379	2.379	0	%100
118	MP4B	Z	1.374	1.374	0	%100
119	MP2B	X	2.379	2.379	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[in.%]	End Location[in.%]
120	MP2B	Z	1.374	1.374	0	%100
121	M117	X	1.23	1.23	0	%100
122	M117	Z	.71	.71	0	%100
123	M118	X	1.23	1.23	0	%100
124	M118	Z	.71	.71	0	%100
125	M119	X	1.23	1.23	0	%100
126	M119	Z	.71	.71	0	%100
127	M120	X	1.23	1.23	0	%100
128	M120	Z	.71	.71	0	%100
129	M121	X	2.312	2.312	0	%100
130	M121	Z	1.335	1.335	0	%100
131	M130A	X	1.23	1.23	0	%100
132	M130A	Z	.71	.71	0	%100
133	M131A	X	1.23	1.23	0	%100
134	M131A	Z	.71	.71	0	%100
135	M132A	X	1.23	1.23	0	%100
136	M132A	Z	.71	.71	0	%100
137	M133A	X	1.23	1.23	0	%100
138	M133A	Z	.71	.71	0	%100
139	M134A	X	2.312	2.312	0	%100
140	M134A	Z	1.335	1.335	0	%100
141	M143	X	0	0	0	%100
142	M143	Z	0	0	0	%100
143	M144	X	0	0	0	%100
144	M144	Z	0	0	0	%100
145	M145	X	0	0	0	%100
146	M145	Z	0	0	0	%100
147	M146	X	0	0	0	%100
148	M146	Z	0	0	0	%100
149	M147	X	2.312	2.312	0	%100
150	M147	Z	1.335	1.335	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	1.108	1.108	0	%100
6	M3	Z	1.919	1.919	0	%100
7	M4	X	1.108	1.108	0	%100
8	M4	Z	1.919	1.919	0	%100
9	M5	X	1.108	1.108	0	%100
10	M5	Z	1.919	1.919	0	%100
11	M6	X	1.108	1.108	0	%100
12	M6	Z	1.919	1.919	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	1.097	1.097	0	%100
16	M8	Z	1.9	1.9	0	%100
17	M9	X	1.097	1.097	0	%100
18	M9	Z	1.9	1.9	0	%100
19	M13	X	.388	.388	0	%100
20	M13	Z	.672	.672	0	%100
21	M14A	X	.388	.388	0	%100
22	M14A	Z	.672	.672	0	%100



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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	1.608	1.608	0	%100
26	M25	Z	2.784	2.784	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	1.608	1.608	0	%100
30	M27	Z	2.784	2.784	0	%100
31	M34	X	.388	.388	0	%100
32	M34	Z	.672	.672	0	%100
33	M42	X	.388	.388	0	%100
34	M42	Z	.672	.672	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	1.423	1.423	0	%100
38	M52	Z	2.464	2.464	0	%100
39	M53	X	1.423	1.423	0	%100
40	M53	Z	2.464	2.464	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	1.423	1.423	0	%100
44	M55	Z	2.464	2.464	0	%100
45	M56	X	1.423	1.423	0	%100
46	M56	Z	2.464	2.464	0	%100
47	M57	X	.673	.673	0	%100
48	M57	Z	1.166	1.166	0	%100
49	M58	X	.673	.673	0	%100
50	M58	Z	1.166	1.166	0	%100
51	M59	X	1.423	1.423	0	%100
52	M59	Z	2.464	2.464	0	%100
53	M60	X	1.423	1.423	0	%100
54	M60	Z	2.464	2.464	0	%100
55	M61	X	1.057	1.057	0	%100
56	M61	Z	1.83	1.83	0	%100
57	M62	X	1.423	1.423	0	%100
58	M62	Z	2.464	2.464	0	%100
59	M63	X	1.423	1.423	0	%100
60	M63	Z	2.464	2.464	0	%100
61	M64	X	1.39	1.39	0	%100
62	M64	Z	2.407	2.407	0	%100
63	M65	X	1.39	1.39	0	%100
64	M65	Z	2.407	2.407	0	%100
65	M66	X	1.423	1.423	0	%100
66	M66	Z	2.464	2.464	0	%100
67	M67	X	1.423	1.423	0	%100
68	M67	Z	2.464	2.464	0	%100
69	M68	X	1.057	1.057	0	%100
70	M68	Z	1.83	1.83	0	%100
71	M69	X	1.423	1.423	0	%100
72	M69	Z	2.464	2.464	0	%100
73	M70	X	1.423	1.423	0	%100
74	M70	Z	2.464	2.464	0	%100
75	M71	X	1.39	1.39	0	%100
76	M71	Z	2.407	2.407	0	%100
77	M72	X	1.39	1.39	0	%100
78	M72	Z	2.407	2.407	0	%100
79	M127	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
80	M127	Z	0	0	0	%100
81	M128	X	1.246	1.246	0	%100
82	M128	Z	2.158	2.158	0	%100
83	M129	X	1.655	1.655	0	%100
84	M129	Z	2.866	2.866	0	%100
85	M130	X	1.655	1.655	0	%100
86	M130	Z	2.866	2.866	0	%100
87	M131	X	.656	.656	0	%100
88	M131	Z	1.135	1.135	0	%100
89	M132	X	.656	.656	0	%100
90	M132	Z	1.135	1.135	0	%100
91	M133	X	.656	.656	0	%100
92	M133	Z	1.135	1.135	0	%100
93	M134	X	.656	.656	0	%100
94	M134	Z	1.135	1.135	0	%100
95	M135	X	.656	.656	0	%100
96	M135	Z	1.135	1.135	0	%100
97	MP1A	X	1.374	1.374	0	%100
98	MP1A	Z	2.379	2.379	0	%100
99	MP3A	X	1.52	1.52	0	%100
100	MP3A	Z	2.633	2.633	0	%100
101	MP4A	X	1.374	1.374	0	%100
102	MP4A	Z	2.379	2.379	0	%100
103	MP2A	X	1.374	1.374	0	%100
104	MP2A	Z	2.379	2.379	0	%100
105	MP1C	X	1.374	1.374	0	%100
106	MP1C	Z	2.379	2.379	0	%100
107	MP3C	X	1.52	1.52	0	%100
108	MP3C	Z	2.633	2.633	0	%100
109	MP4C	X	1.374	1.374	0	%100
110	MP4C	Z	2.379	2.379	0	%100
111	MP2C	X	1.374	1.374	0	%100
112	MP2C	Z	2.379	2.379	0	%100
113	MP1B	X	1.374	1.374	0	%100
114	MP1B	Z	2.379	2.379	0	%100
115	MP3B	X	1.52	1.52	0	%100
116	MP3B	Z	2.633	2.633	0	%100
117	MP4B	X	1.374	1.374	0	%100
118	MP4B	Z	2.379	2.379	0	%100
119	MP2B	X	1.374	1.374	0	%100
120	MP2B	Z	2.379	2.379	0	%100
121	M117	X	.237	.237	0	%100
122	M117	Z	.41	.41	0	%100
123	M118	X	.237	.237	0	%100
124	M118	Z	.41	.41	0	%100
125	M119	X	.237	.237	0	%100
126	M119	Z	.41	.41	0	%100
127	M120	X	.237	.237	0	%100
128	M120	Z	.41	.41	0	%100
129	M121	X	1.335	1.335	0	%100
130	M121	Z	2.312	2.312	0	%100
131	M130A	X	.947	.947	0	%100
132	M130A	Z	1.64	1.64	0	%100
133	M131A	X	.947	.947	0	%100
134	M131A	Z	1.64	1.64	0	%100
135	M132A	X	.947	.947	0	%100
136	M132A	Z	1.64	1.64	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
137	M133A	X	.947	.947	0	%100
138	M133A	Z	1.64	1.64	0	%100
139	M134A	X	1.335	1.335	0	%100
140	M134A	Z	2.312	2.312	0	%100
141	M143	X	.237	.237	0	%100
142	M143	Z	.41	.41	0	%100
143	M144	X	.237	.237	0	%100
144	M144	Z	.41	.41	0	%100
145	M145	X	.237	.237	0	%100
146	M145	Z	.41	.41	0	%100
147	M146	X	.237	.237	0	%100
148	M146	Z	.41	.41	0	%100
149	M147	X	1.335	1.335	0	%100
150	M147	Z	2.312	2.312	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
1	M1	X	0	0	0	%100
2	M1	Z	.739	.739	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.739	.739	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.739	.739	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.739	.739	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	2.955	2.955	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	2.955	2.955	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	.731	.731	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	.731	.731	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	2.925	2.925	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	.259	.259	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	1.034	1.034	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	.259	.259	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	4.287	4.287	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	1.072	1.072	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	1.072	1.072	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	.259	.259	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	1.034	1.034	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	.259	.259	0	%100
37	M52	X	0	0	0	%100
38	M52	Z	2.845	2.845	0	%100
39	M53	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
40	M53	Z	2.845	2.845	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	.705	.705	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	2.845	2.845	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	2.845	2.845	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	1.824	1.824	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	1.824	1.824	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	2.845	2.845	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	2.845	2.845	0	%100
55	M61	X	0	0	0	%100
56	M61	Z	.705	.705	0	%100
57	M62	X	0	0	0	%100
58	M62	Z	2.845	2.845	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	2.845	2.845	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	1.824	1.824	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	1.824	1.824	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	2.845	2.845	0	%100
67	M67	X	0	0	0	%100
68	M67	Z	2.845	2.845	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	2.818	2.818	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	2.845	2.845	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	2.845	2.845	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	3.257	3.257	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	3.257	3.257	0	%100
79	M127	X	0	0	0	%100
80	M127	Z	.702	.702	0	%100
81	M128	X	0	0	0	%100
82	M128	Z	1.869	1.869	0	%100
83	M129	X	0	0	0	%100
84	M129	Z	3.309	3.309	0	%100
85	M130	X	0	0	0	%100
86	M130	Z	3.309	3.309	0	%100
87	M131	X	0	0	0	%100
88	M131	Z	.983	.983	0	%100
89	M132	X	0	0	0	%100
90	M132	Z	.983	.983	0	%100
91	M133	X	0	0	0	%100
92	M133	Z	.983	.983	0	%100
93	M134	X	0	0	0	%100
94	M134	Z	.983	.983	0	%100
95	M135	X	0	0	0	%100
96	M135	Z	.983	.983	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
97	MP1A	X	0	0	0	%100
98	MP1A	Z	2.747	2.747	0	%100
99	MP3A	X	0	0	0	%100
100	MP3A	Z	3.041	3.041	0	%100
101	MP4A	X	0	0	0	%100
102	MP4A	Z	2.747	2.747	0	%100
103	MP2A	X	0	0	0	%100
104	MP2A	Z	2.747	2.747	0	%100
105	MP1C	X	0	0	0	%100
106	MP1C	Z	2.747	2.747	0	%100
107	MP3C	X	0	0	0	%100
108	MP3C	Z	3.041	3.041	0	%100
109	MP4C	X	0	0	0	%100
110	MP4C	Z	2.747	2.747	0	%100
111	MP2C	X	0	0	0	%100
112	MP2C	Z	2.747	2.747	0	%100
113	MP1B	X	0	0	0	%100
114	MP1B	Z	2.747	2.747	0	%100
115	MP3B	X	0	0	0	%100
116	MP3B	Z	3.041	3.041	0	%100
117	MP4B	X	0	0	0	%100
118	MP4B	Z	2.747	2.747	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	2.747	2.747	0	%100
121	M117	X	0	0	0	%100
122	M117	Z	0	0	0	%100
123	M118	X	0	0	0	%100
124	M118	Z	0	0	0	%100
125	M119	X	0	0	0	%100
126	M119	Z	0	0	0	%100
127	M120	X	0	0	0	%100
128	M120	Z	0	0	0	%100
129	M121	X	0	0	0	%100
130	M121	Z	2.67	2.67	0	%100
131	M130A	X	0	0	0	%100
132	M130A	Z	1.42	1.42	0	%100
133	M131A	X	0	0	0	%100
134	M131A	Z	1.42	1.42	0	%100
135	M132A	X	0	0	0	%100
136	M132A	Z	1.42	1.42	0	%100
137	M133A	X	0	0	0	%100
138	M133A	Z	1.42	1.42	0	%100
139	M134A	X	0	0	0	%100
140	M134A	Z	2.67	2.67	0	%100
141	M143	X	0	0	0	%100
142	M143	Z	1.42	1.42	0	%100
143	M144	X	0	0	0	%100
144	M144	Z	1.42	1.42	0	%100
145	M145	X	0	0	0	%100
146	M145	Z	1.42	1.42	0	%100
147	M146	X	0	0	0	%100
148	M146	Z	1.42	1.42	0	%100
149	M147	X	0	0	0	%100
150	M147	Z	2.67	2.67	0	%100

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

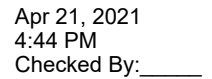
Member Label	Direction	Start Magnitude [lb/ft]	End Magnitude [lb/ft]	Start Location [in]	End Location [in]
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Member Distributed Loads (BLC 60 : Structure Wi (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	-1.108	-1.108	0	%100
2	M1	Z	1.919	1.919	0	%100
3	M2	X	-1.108	-1.108	0	%100
4	M2	Z	1.919	1.919	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-1.108	-1.108	0	%100
10	M5	Z	1.919	1.919	0	%100
11	M6	X	-1.108	-1.108	0	%100
12	M6	Z	1.919	1.919	0	%100
13	M7	X	-1.097	-1.097	0	%100
14	M7	Z	1.9	1.9	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-1.097	-1.097	0	%100
18	M9	Z	1.9	1.9	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	-.388	-.388	0	%100
22	M14A	Z	.672	.672	0	%100
23	M18	X	-.388	-.388	0	%100
24	M18	Z	.672	.672	0	%100
25	M25	X	-1.608	-1.608	0	%100
26	M25	Z	2.784	2.784	0	%100
27	M26	X	-1.608	-1.608	0	%100
28	M26	Z	2.784	2.784	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	-.388	-.388	0	%100
34	M42	Z	.672	.672	0	%100
35	M50	X	-.388	-.388	0	%100
36	M50	Z	.672	.672	0	%100
37	M52	X	-1.423	-1.423	0	%100
38	M52	Z	2.464	2.464	0	%100
39	M53	X	-1.423	-1.423	0	%100
40	M53	Z	2.464	2.464	0	%100
41	M54	X	-1.057	-1.057	0	%100
42	M54	Z	1.83	1.83	0	%100
43	M55	X	-1.423	-1.423	0	%100
44	M55	Z	2.464	2.464	0	%100
45	M56	X	-1.423	-1.423	0	%100
46	M56	Z	2.464	2.464	0	%100
47	M57	X	-1.39	-1.39	0	%100
48	M57	Z	2.407	2.407	0	%100
49	M58	X	-1.39	-1.39	0	%100
50	M58	Z	2.407	2.407	0	%100
51	M59	X	-1.423	-1.423	0	%100
52	M59	Z	2.464	2.464	0	%100
53	M60	X	-1.423	-1.423	0	%100
54	M60	Z	2.464	2.464	0	%100
55	M61	X	0	0	0	%100
56	M61	Z	0	0	0	%100
57	M62	X	-1.423	-1.423	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft,F...]	Start Location[in, %]	End Location[in, %]
58	M62	Z	2.464	2.464	0	%100
59	M63	X	-1.423	-1.423	0	%100
60	M63	Z	2.464	2.464	0	%100
61	M64	X	-.673	-.673	0	%100
62	M64	Z	1.166	1.166	0	%100
63	M65	X	-.673	-.673	0	%100
64	M65	Z	1.166	1.166	0	%100
65	M66	X	-1.423	-1.423	0	%100
66	M66	Z	2.464	2.464	0	%100
67	M67	X	-1.423	-1.423	0	%100
68	M67	Z	2.464	2.464	0	%100
69	M68	X	-1.057	-1.057	0	%100
70	M68	Z	1.83	1.83	0	%100
71	M69	X	-1.423	-1.423	0	%100
72	M69	Z	2.464	2.464	0	%100
73	M70	X	-1.423	-1.423	0	%100
74	M70	Z	2.464	2.464	0	%100
75	M71	X	-1.39	-1.39	0	%100
76	M71	Z	2.407	2.407	0	%100
77	M72	X	-1.39	-1.39	0	%100
78	M72	Z	2.407	2.407	0	%100
79	M127	X	-1.053	-1.053	0	%100
80	M127	Z	1.824	1.824	0	%100
81	M128	X	-.312	-.312	0	%100
82	M128	Z	.54	.54	0	%100
83	M129	X	-1.655	-1.655	0	%100
84	M129	Z	2.866	2.866	0	%100
85	M130	X	-1.655	-1.655	0	%100
86	M130	Z	2.866	2.866	0	%100
87	M131	X	-.164	-.164	0	%100
88	M131	Z	.284	.284	0	%100
89	M132	X	-.164	-.164	0	%100
90	M132	Z	.284	.284	0	%100
91	M133	X	-.164	-.164	0	%100
92	M133	Z	.284	.284	0	%100
93	M134	X	-.164	-.164	0	%100
94	M134	Z	.284	.284	0	%100
95	M135	X	-.164	-.164	0	%100
96	M135	Z	.284	.284	0	%100
97	MP1A	X	-1.374	-1.374	0	%100
98	MP1A	Z	2.379	2.379	0	%100
99	MP3A	X	-1.52	-1.52	0	%100
100	MP3A	Z	2.633	2.633	0	%100
101	MP4A	X	-1.374	-1.374	0	%100
102	MP4A	Z	2.379	2.379	0	%100
103	MP2A	X	-1.374	-1.374	0	%100
104	MP2A	Z	2.379	2.379	0	%100
105	MP1C	X	-1.374	-1.374	0	%100
106	MP1C	Z	2.379	2.379	0	%100
107	MP3C	X	-1.52	-1.52	0	%100
108	MP3C	Z	2.633	2.633	0	%100
109	MP4C	X	-1.374	-1.374	0	%100
110	MP4C	Z	2.379	2.379	0	%100
111	MP2C	X	-1.374	-1.374	0	%100
112	MP2C	Z	2.379	2.379	0	%100
113	MP1B	X	-1.374	-1.374	0	%100
114	MP1B	Z	2.379	2.379	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
115	MP3B	X	-1.52	-1.52	0	%100
116	MP3B	Z	2.633	2.633	0	%100
117	MP4B	X	-1.374	-1.374	0	%100
118	MP4B	Z	2.379	2.379	0	%100
119	MP2B	X	-1.374	-1.374	0	%100
120	MP2B	Z	2.379	2.379	0	%100
121	M117	X	-.237	-.237	0	%100
122	M117	Z	.41	.41	0	%100
123	M118	X	-.237	-.237	0	%100
124	M118	Z	.41	.41	0	%100
125	M119	X	-.237	-.237	0	%100
126	M119	Z	.41	.41	0	%100
127	M120	X	-.237	-.237	0	%100
128	M120	Z	.41	.41	0	%100
129	M121	X	-1.335	-1.335	0	%100
130	M121	Z	2.312	2.312	0	%100
131	M130A	X	-.237	-.237	0	%100
132	M130A	Z	.41	.41	0	%100
133	M131A	X	-.237	-.237	0	%100
134	M131A	Z	.41	.41	0	%100
135	M132A	X	-.237	-.237	0	%100
136	M132A	Z	.41	.41	0	%100
137	M133A	X	-.237	-.237	0	%100
138	M133A	Z	.41	.41	0	%100
139	M134A	X	-1.335	-1.335	0	%100
140	M134A	Z	2.312	2.312	0	%100
141	M143	X	-.947	-.947	0	%100
142	M143	Z	1.64	1.64	0	%100
143	M144	X	-.947	-.947	0	%100
144	M144	Z	1.64	1.64	0	%100
145	M145	X	-.947	-.947	0	%100
146	M145	Z	1.64	1.64	0	%100
147	M146	X	-.947	-.947	0	%100
148	M146	Z	1.64	1.64	0	%100
149	M147	X	-1.335	-1.335	0	%100
150	M147	Z	2.312	2.312	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	-2.559	-2.559	0	%100
2	M1	Z	1.478	1.478	0	%100
3	M2	X	-2.559	-2.559	0	%100
4	M2	Z	1.478	1.478	0	%100
5	M3	X	-.64	-.64	0	%100
6	M3	Z	.369	.369	0	%100
7	M4	X	-.64	-.64	0	%100
8	M4	Z	.369	.369	0	%100
9	M5	X	-.64	-.64	0	%100
10	M5	Z	.369	.369	0	%100
11	M6	X	-.64	-.64	0	%100
12	M6	Z	.369	.369	0	%100
13	M7	X	-2.533	-2.533	0	%100
14	M7	Z	1.462	1.462	0	%100
15	M8	X	-.633	-.633	0	%100
16	M8	Z	.366	.366	0	%100
17	M9	X	-.633	-.633	0	%100



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

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
75	M71	X	-1.58	-1.58	0	%100
76	M71	Z	.912	.912	0	%100
77	M72	X	-1.58	-1.58	0	%100
78	M72	Z	.912	.912	0	%100
79	M127	X	-2.432	-2.432	0	%100
80	M127	Z	1.404	1.404	0	%100
81	M128	X	0	0	0	%100
82	M128	Z	0	0	0	%100
83	M129	X	-2.866	-2.866	0	%100
84	M129	Z	1.655	1.655	0	%100
85	M130	X	-2.866	-2.866	0	%100
86	M130	Z	1.655	1.655	0	%100
87	M131	X	0	0	0	%100
88	M131	Z	0	0	0	%100
89	M132	X	0	0	0	%100
90	M132	Z	0	0	0	%100
91	M133	X	0	0	0	%100
92	M133	Z	0	0	0	%100
93	M134	X	0	0	0	%100
94	M134	Z	0	0	0	%100
95	M135	X	0	0	0	%100
96	M135	Z	0	0	0	%100
97	MP1A	X	-2.379	-2.379	0	%100
98	MP1A	Z	1.374	1.374	0	%100
99	MP3A	X	-2.633	-2.633	0	%100
100	MP3A	Z	1.52	1.52	0	%100
101	MP4A	X	-2.379	-2.379	0	%100
102	MP4A	Z	1.374	1.374	0	%100
103	MP2A	X	-2.379	-2.379	0	%100
104	MP2A	Z	1.374	1.374	0	%100
105	MP1C	X	-2.379	-2.379	0	%100
106	MP1C	Z	1.374	1.374	0	%100
107	MP3C	X	-2.633	-2.633	0	%100
108	MP3C	Z	1.52	1.52	0	%100
109	MP4C	X	-2.379	-2.379	0	%100
110	MP4C	Z	1.374	1.374	0	%100
111	MP2C	X	-2.379	-2.379	0	%100
112	MP2C	Z	1.374	1.374	0	%100
113	MP1B	X	-2.379	-2.379	0	%100
114	MP1B	Z	1.374	1.374	0	%100
115	MP3B	X	-2.633	-2.633	0	%100
116	MP3B	Z	1.52	1.52	0	%100
117	MP4B	X	-2.379	-2.379	0	%100
118	MP4B	Z	1.374	1.374	0	%100
119	MP2B	X	-2.379	-2.379	0	%100
120	MP2B	Z	1.374	1.374	0	%100
121	M117	X	-1.23	-1.23	0	%100
122	M117	Z	.71	.71	0	%100
123	M118	X	-1.23	-1.23	0	%100
124	M118	Z	.71	.71	0	%100
125	M119	X	-1.23	-1.23	0	%100
126	M119	Z	.71	.71	0	%100
127	M120	X	-1.23	-1.23	0	%100
128	M120	Z	.71	.71	0	%100
129	M121	X	-2.312	-2.312	0	%100
130	M121	Z	1.335	1.335	0	%100
131	M130A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
132	M130A	Z	0	0	0	%100
133	M131A	X	0	0	0	%100
134	M131A	Z	0	0	0	%100
135	M132A	X	0	0	0	%100
136	M132A	Z	0	0	0	%100
137	M133A	X	0	0	0	%100
138	M133A	Z	0	0	0	%100
139	M134A	X	-2.312	-2.312	0	%100
140	M134A	Z	1.335	1.335	0	%100
141	M143	X	-1.23	-1.23	0	%100
142	M143	Z	.71	.71	0	%100
143	M144	X	-1.23	-1.23	0	%100
144	M144	Z	.71	.71	0	%100
145	M145	X	-1.23	-1.23	0	%100
146	M145	Z	.71	.71	0	%100
147	M146	X	-1.23	-1.23	0	%100
148	M146	Z	.71	.71	0	%100
149	M147	X	-2.312	-2.312	0	%100
150	M147	Z	1.335	1.335	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	-2.216	-2.216	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-2.216	-2.216	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-2.216	-2.216	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-2.216	-2.216	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-2.193	-2.193	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-2.193	-2.193	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	-.776	-.776	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	-.776	-.776	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-3.215	-3.215	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-3.215	-3.215	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	-.776	-.776	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	0	0	0	%100



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

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
92	M133	Z	0	0	0	%100
93	M134	X	-.328	-.328	0	%100
94	M134	Z	0	0	0	%100
95	M135	X	-.328	-.328	0	%100
96	M135	Z	0	0	0	%100
97	MP1A	X	-2.747	-2.747	0	%100
98	MP1A	Z	0	0	0	%100
99	MP3A	X	-3.041	-3.041	0	%100
100	MP3A	Z	0	0	0	%100
101	MP4A	X	-2.747	-2.747	0	%100
102	MP4A	Z	0	0	0	%100
103	MP2A	X	-2.747	-2.747	0	%100
104	MP2A	Z	0	0	0	%100
105	MP1C	X	-2.747	-2.747	0	%100
106	MP1C	Z	0	0	0	%100
107	MP3C	X	-3.041	-3.041	0	%100
108	MP3C	Z	0	0	0	%100
109	MP4C	X	-2.747	-2.747	0	%100
110	MP4C	Z	0	0	0	%100
111	MP2C	X	-2.747	-2.747	0	%100
112	MP2C	Z	0	0	0	%100
113	MP1B	X	-2.747	-2.747	0	%100
114	MP1B	Z	0	0	0	%100
115	MP3B	X	-3.041	-3.041	0	%100
116	MP3B	Z	0	0	0	%100
117	MP4B	X	-2.747	-2.747	0	%100
118	MP4B	Z	0	0	0	%100
119	MP2B	X	-2.747	-2.747	0	%100
120	MP2B	Z	0	0	0	%100
121	M117	X	-1.894	-1.894	0	%100
122	M117	Z	0	0	0	%100
123	M118	X	-1.894	-1.894	0	%100
124	M118	Z	0	0	0	%100
125	M119	X	-1.894	-1.894	0	%100
126	M119	Z	0	0	0	%100
127	M120	X	-1.894	-1.894	0	%100
128	M120	Z	0	0	0	%100
129	M121	X	-2.67	-2.67	0	%100
130	M121	Z	0	0	0	%100
131	M130A	X	-.473	-.473	0	%100
132	M130A	Z	0	0	0	%100
133	M131A	X	-.473	-.473	0	%100
134	M131A	Z	0	0	0	%100
135	M132A	X	-.473	-.473	0	%100
136	M132A	Z	0	0	0	%100
137	M133A	X	-.473	-.473	0	%100
138	M133A	Z	0	0	0	%100
139	M134A	X	-2.67	-2.67	0	%100
140	M134A	Z	0	0	0	%100
141	M143	X	-.473	-.473	0	%100
142	M143	Z	0	0	0	%100
143	M144	X	-.473	-.473	0	%100
144	M144	Z	0	0	0	%100
145	M145	X	-.473	-.473	0	%100
146	M145	Z	0	0	0	%100
147	M146	X	-.473	-.473	0	%100
148	M146	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
149	M147	X	-2.67	-2.67	0 %100
150	M147	Z	0	0	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	-.64	-.64	0	%100
2	M1	Z	-.369	-.369	0	%100
3	M2	X	-.64	-.64	0	%100
4	M2	Z	-.369	-.369	0	%100
5	M3	X	-2.559	-2.559	0	%100
6	M3	Z	-1.478	-1.478	0	%100
7	M4	X	-2.559	-2.559	0	%100
8	M4	Z	-1.478	-1.478	0	%100
9	M5	X	-.64	-.64	0	%100
10	M5	Z	-.369	-.369	0	%100
11	M6	X	-.64	-.64	0	%100
12	M6	Z	-.369	-.369	0	%100
13	M7	X	-.633	-.633	0	%100
14	M7	Z	-.366	-.366	0	%100
15	M8	X	-2.533	-2.533	0	%100
16	M8	Z	-1.462	-1.462	0	%100
17	M9	X	-.633	-.633	0	%100
18	M9	Z	-.366	-.366	0	%100
19	M13	X	-.896	-.896	0	%100
20	M13	Z	-.517	-.517	0	%100
21	M14A	X	-.224	-.224	0	%100
22	M14A	Z	-.129	-.129	0	%100
23	M18	X	-.224	-.224	0	%100
24	M18	Z	-.129	-.129	0	%100
25	M25	X	-.928	-.928	0	%100
26	M25	Z	-.536	-.536	0	%100
27	M26	X	-.928	-.928	0	%100
28	M26	Z	-.536	-.536	0	%100
29	M27	X	-3.713	-3.713	0	%100
30	M27	Z	-2.143	-2.143	0	%100
31	M34	X	-.896	-.896	0	%100
32	M34	Z	-.517	-.517	0	%100
33	M42	X	-.224	-.224	0	%100
34	M42	Z	-.129	-.129	0	%100
35	M50	X	-.224	-.224	0	%100
36	M50	Z	-.129	-.129	0	%100
37	M52	X	-2.464	-2.464	0	%100
38	M52	Z	-1.423	-1.423	0	%100
39	M53	X	-2.464	-2.464	0	%100
40	M53	Z	-1.423	-1.423	0	%100
41	M54	X	-.61	-.61	0	%100
42	M54	Z	-.352	-.352	0	%100
43	M55	X	-2.464	-2.464	0	%100
44	M55	Z	-1.423	-1.423	0	%100
45	M56	X	-2.464	-2.464	0	%100
46	M56	Z	-1.423	-1.423	0	%100
47	M57	X	-1.58	-1.58	0	%100
48	M57	Z	-.912	-.912	0	%100
49	M58	X	-1.58	-1.58	0	%100
50	M58	Z	-.912	-.912	0	%100
51	M59	X	-2.464	-2.464	0	%100



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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
109	MP4C	X	-2.379	-2.379	0	%100
110	MP4C	Z	-1.374	-1.374	0	%100
111	MP2C	X	-2.379	-2.379	0	%100
112	MP2C	Z	-1.374	-1.374	0	%100
113	MP1B	X	-2.379	-2.379	0	%100
114	MP1B	Z	-1.374	-1.374	0	%100
115	MP3B	X	-2.633	-2.633	0	%100
116	MP3B	Z	-1.52	-1.52	0	%100
117	MP4B	X	-2.379	-2.379	0	%100
118	MP4B	Z	-1.374	-1.374	0	%100
119	MP2B	X	-2.379	-2.379	0	%100
120	MP2B	Z	-1.374	-1.374	0	%100
121	M117	X	-1.23	-1.23	0	%100
122	M117	Z	-.71	-.71	0	%100
123	M118	X	-1.23	-1.23	0	%100
124	M118	Z	-.71	-.71	0	%100
125	M119	X	-1.23	-1.23	0	%100
126	M119	Z	-.71	-.71	0	%100
127	M120	X	-1.23	-1.23	0	%100
128	M120	Z	-.71	-.71	0	%100
129	M121	X	-2.312	-2.312	0	%100
130	M121	Z	-1.335	-1.335	0	%100
131	M130A	X	-1.23	-1.23	0	%100
132	M130A	Z	-.71	-.71	0	%100
133	M131A	X	-1.23	-1.23	0	%100
134	M131A	Z	-.71	-.71	0	%100
135	M132A	X	-1.23	-1.23	0	%100
136	M132A	Z	-.71	-.71	0	%100
137	M133A	X	-1.23	-1.23	0	%100
138	M133A	Z	-.71	-.71	0	%100
139	M134A	X	-2.312	-2.312	0	%100
140	M134A	Z	-1.335	-1.335	0	%100
141	M143	X	0	0	0	%100
142	M143	Z	0	0	0	%100
143	M144	X	0	0	0	%100
144	M144	Z	0	0	0	%100
145	M145	X	0	0	0	%100
146	M145	Z	0	0	0	%100
147	M146	X	0	0	0	%100
148	M146	Z	0	0	0	%100
149	M147	X	-2.312	-2.312	0	%100
150	M147	Z	-1.335	-1.335	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-1.108	-1.108	0	%100
6	M3	Z	-1.919	-1.919	0	%100
7	M4	X	-1.108	-1.108	0	%100
8	M4	Z	-1.919	-1.919	0	%100
9	M5	X	-1.108	-1.108	0	%100
10	M5	Z	-1.919	-1.919	0	%100
11	M6	X	-1.108	-1.108	0	%100



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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
12	M6	Z	-1.919	-1.919	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-1.097	-1.097	0	%100
16	M8	Z	-1.9	-1.9	0	%100
17	M9	X	-1.097	-1.097	0	%100
18	M9	Z	-1.9	-1.9	0	%100
19	M13	X	-388	-388	0	%100
20	M13	Z	-672	-672	0	%100
21	M14A	X	-388	-388	0	%100
22	M14A	Z	-672	-672	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	-1.608	-1.608	0	%100
26	M25	Z	-2.784	-2.784	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-1.608	-1.608	0	%100
30	M27	Z	-2.784	-2.784	0	%100
31	M34	X	-388	-388	0	%100
32	M34	Z	-672	-672	0	%100
33	M42	X	-388	-388	0	%100
34	M42	Z	-672	-672	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	-1.423	-1.423	0	%100
38	M52	Z	-2.464	-2.464	0	%100
39	M53	X	-1.423	-1.423	0	%100
40	M53	Z	-2.464	-2.464	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	-1.423	-1.423	0	%100
44	M55	Z	-2.464	-2.464	0	%100
45	M56	X	-1.423	-1.423	0	%100
46	M56	Z	-2.464	-2.464	0	%100
47	M57	X	-673	-673	0	%100
48	M57	Z	-1.166	-1.166	0	%100
49	M58	X	-673	-673	0	%100
50	M58	Z	-1.166	-1.166	0	%100
51	M59	X	-1.423	-1.423	0	%100
52	M59	Z	-2.464	-2.464	0	%100
53	M60	X	-1.423	-1.423	0	%100
54	M60	Z	-2.464	-2.464	0	%100
55	M61	X	-1.057	-1.057	0	%100
56	M61	Z	-1.83	-1.83	0	%100
57	M62	X	-1.423	-1.423	0	%100
58	M62	Z	-2.464	-2.464	0	%100
59	M63	X	-1.423	-1.423	0	%100
60	M63	Z	-2.464	-2.464	0	%100
61	M64	X	-1.39	-1.39	0	%100
62	M64	Z	-2.407	-2.407	0	%100
63	M65	X	-1.39	-1.39	0	%100
64	M65	Z	-2.407	-2.407	0	%100
65	M66	X	-1.423	-1.423	0	%100
66	M66	Z	-2.464	-2.464	0	%100
67	M67	X	-1.423	-1.423	0	%100
68	M67	Z	-2.464	-2.464	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
69	M68	X	-1.057	-1.057	0	%100
70	M68	Z	-1.83	-1.83	0	%100
71	M69	X	-1.423	-1.423	0	%100
72	M69	Z	-2.464	-2.464	0	%100
73	M70	X	-1.423	-1.423	0	%100
74	M70	Z	-2.464	-2.464	0	%100
75	M71	X	-1.39	-1.39	0	%100
76	M71	Z	-2.407	-2.407	0	%100
77	M72	X	-1.39	-1.39	0	%100
78	M72	Z	-2.407	-2.407	0	%100
79	M127	X	0	0	0	%100
80	M127	Z	0	0	0	%100
81	M128	X	-1.246	-1.246	0	%100
82	M128	Z	-2.158	-2.158	0	%100
83	M129	X	-1.655	-1.655	0	%100
84	M129	Z	-2.866	-2.866	0	%100
85	M130	X	-1.655	-1.655	0	%100
86	M130	Z	-2.866	-2.866	0	%100
87	M131	X	-.656	-.656	0	%100
88	M131	Z	-1.135	-1.135	0	%100
89	M132	X	-.656	-.656	0	%100
90	M132	Z	-1.135	-1.135	0	%100
91	M133	X	-.656	-.656	0	%100
92	M133	Z	-1.135	-1.135	0	%100
93	M134	X	-.656	-.656	0	%100
94	M134	Z	-1.135	-1.135	0	%100
95	M135	X	-.656	-.656	0	%100
96	M135	Z	-1.135	-1.135	0	%100
97	MP1A	X	-1.374	-1.374	0	%100
98	MP1A	Z	-2.379	-2.379	0	%100
99	MP3A	X	-1.52	-1.52	0	%100
100	MP3A	Z	-2.633	-2.633	0	%100
101	MP4A	X	-1.374	-1.374	0	%100
102	MP4A	Z	-2.379	-2.379	0	%100
103	MP2A	X	-1.374	-1.374	0	%100
104	MP2A	Z	-2.379	-2.379	0	%100
105	MP1C	X	-1.374	-1.374	0	%100
106	MP1C	Z	-2.379	-2.379	0	%100
107	MP3C	X	-1.52	-1.52	0	%100
108	MP3C	Z	-2.633	-2.633	0	%100
109	MP4C	X	-1.374	-1.374	0	%100
110	MP4C	Z	-2.379	-2.379	0	%100
111	MP2C	X	-1.374	-1.374	0	%100
112	MP2C	Z	-2.379	-2.379	0	%100
113	MP1B	X	-1.374	-1.374	0	%100
114	MP1B	Z	-2.379	-2.379	0	%100
115	MP3B	X	-1.52	-1.52	0	%100
116	MP3B	Z	-2.633	-2.633	0	%100
117	MP4B	X	-1.374	-1.374	0	%100
118	MP4B	Z	-2.379	-2.379	0	%100
119	MP2B	X	-1.374	-1.374	0	%100
120	MP2B	Z	-2.379	-2.379	0	%100
121	M117	X	-.237	-.237	0	%100
122	M117	Z	-.41	-.41	0	%100
123	M118	X	-.237	-.237	0	%100
124	M118	Z	-.41	-.41	0	%100
125	M119	X	-.237	-.237	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
126	M119	Z	-.41	-.41	0	%100
127	M120	X	-.237	-.237	0	%100
128	M120	Z	-.41	-.41	0	%100
129	M121	X	-1.335	-1.335	0	%100
130	M121	Z	-2.312	-2.312	0	%100
131	M130A	X	-.947	-.947	0	%100
132	M130A	Z	-1.64	-1.64	0	%100
133	M131A	X	-.947	-.947	0	%100
134	M131A	Z	-1.64	-1.64	0	%100
135	M132A	X	-.947	-.947	0	%100
136	M132A	Z	-1.64	-1.64	0	%100
137	M133A	X	-.947	-.947	0	%100
138	M133A	Z	-1.64	-1.64	0	%100
139	M134A	X	-1.335	-1.335	0	%100
140	M134A	Z	-2.312	-2.312	0	%100
141	M143	X	-.237	-.237	0	%100
142	M143	Z	-.41	-.41	0	%100
143	M144	X	-.237	-.237	0	%100
144	M144	Z	-.41	-.41	0	%100
145	M145	X	-.237	-.237	0	%100
146	M145	Z	-.41	-.41	0	%100
147	M146	X	-.237	-.237	0	%100
148	M146	Z	-.41	-.41	0	%100
149	M147	X	-1.335	-1.335	0	%100
150	M147	Z	-2.312	-2.312	0	%100

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

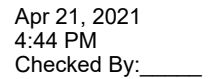
	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
1	M1	X	0	0	0	%100
2	M1	Z	-.144	-.144	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.144	-.144	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.144	-.144	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.144	-.144	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-.576	-.576	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-.576	-.576	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-.141	-.141	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-.141	-.141	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-.565	-.565	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	-.02	-.02	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	-.079	-.079	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-.02	-.02	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-1.056	-1.056	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.264	-.264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
29	M27	X	0	0	0	%100
30	M27	Z	-.264	-.264	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	-.02	-.02	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	-.079	-.079	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	-.02	-.02	0	%100
37	M52	X	0	0	0	%100
38	M52	Z	-.622	-.622	0	%100
39	M53	X	0	0	0	%100
40	M53	Z	-.622	-.622	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	-.154	-.154	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	-.622	-.622	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	-.622	-.622	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	-.394	-.394	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	-.394	-.394	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	-.622	-.622	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	-.622	-.622	0	%100
55	M61	X	0	0	0	%100
56	M61	Z	-.154	-.154	0	%100
57	M62	X	0	0	0	%100
58	M62	Z	-.622	-.622	0	%100
59	M63	X	0	0	0	%100
60	M63	Z	-.622	-.622	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	-.394	-.394	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	-.394	-.394	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	-.622	-.622	0	%100
67	M67	X	0	0	0	%100
68	M67	Z	-.622	-.622	0	%100
69	M68	X	0	0	0	%100
70	M68	Z	-.616	-.616	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-.622	-.622	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-.622	-.622	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	-.704	-.704	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	-.704	-.704	0	%100
79	M127	X	0	0	0	%100
80	M127	Z	-.153	-.153	0	%100
81	M128	X	0	0	0	%100
82	M128	Z	-.409	-.409	0	%100
83	M129	X	0	0	0	%100
84	M129	Z	-.704	-.704	0	%100
85	M130	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
86	M130	Z	-.704	-.704	0	%100
87	M131	X	0	0	0	%100
88	M131	Z	-.111	-.111	0	%100
89	M132	X	0	0	0	%100
90	M132	Z	-.111	-.111	0	%100
91	M133	X	0	0	0	%100
92	M133	Z	-.111	-.111	0	%100
93	M134	X	0	0	0	%100
94	M134	Z	-.111	-.111	0	%100
95	M135	X	0	0	0	%100
96	M135	Z	-.111	-.111	0	%100
97	MP1A	X	0	0	0	%100
98	MP1A	Z	-.501	-.501	0	%100
99	MP3A	X	0	0	0	%100
100	MP3A	Z	-.607	-.607	0	%100
101	MP4A	X	0	0	0	%100
102	MP4A	Z	-.501	-.501	0	%100
103	MP2A	X	0	0	0	%100
104	MP2A	Z	-.501	-.501	0	%100
105	MP1C	X	0	0	0	%100
106	MP1C	Z	-.501	-.501	0	%100
107	MP3C	X	0	0	0	%100
108	MP3C	Z	-.607	-.607	0	%100
109	MP4C	X	0	0	0	%100
110	MP4C	Z	-.501	-.501	0	%100
111	MP2C	X	0	0	0	%100
112	MP2C	Z	-.501	-.501	0	%100
113	MP1B	X	0	0	0	%100
114	MP1B	Z	-.501	-.501	0	%100
115	MP3B	X	0	0	0	%100
116	MP3B	Z	-.607	-.607	0	%100
117	MP4B	X	0	0	0	%100
118	MP4B	Z	-.501	-.501	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	-.501	-.501	0	%100
121	M117	X	0	0	0	%100
122	M117	Z	0	0	0	%100
123	M118	X	0	0	0	%100
124	M118	Z	0	0	0	%100
125	M119	X	0	0	0	%100
126	M119	Z	0	0	0	%100
127	M120	X	0	0	0	%100
128	M120	Z	0	0	0	%100
129	M121	X	0	0	0	%100
130	M121	Z	-.484	-.484	0	%100
131	M130A	X	0	0	0	%100
132	M130A	Z	-.28	-.28	0	%100
133	M131A	X	0	0	0	%100
134	M131A	Z	-.28	-.28	0	%100
135	M132A	X	0	0	0	%100
136	M132A	Z	-.28	-.28	0	%100
137	M133A	X	0	0	0	%100
138	M133A	Z	-.28	-.28	0	%100
139	M134A	X	0	0	0	%100
140	M134A	Z	-.484	-.484	0	%100
141	M143	X	0	0	0	%100
142	M143	Z	-.28	-.28	0	%100



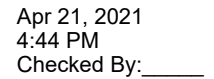
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
143	M144	X	0	0	0	%100
144	M144	Z	-.28	-.28	0	%100
145	M145	X	0	0	0	%100
146	M145	Z	-.28	-.28	0	%100
147	M146	X	0	0	0	%100
148	M146	Z	-.28	-.28	0	%100
149	M147	X	0	0	0	%100
150	M147	Z	-.484	-.484	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	.216	.216	0	%100
2	M1	Z	-.374	-.374	0	%100
3	M2	X	.216	.216	0	%100
4	M2	Z	-.374	-.374	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.216	.216	0	%100
10	M5	Z	-.374	-.374	0	%100
11	M6	X	.216	.216	0	%100
12	M6	Z	-.374	-.374	0	%100
13	M7	X	.212	.212	0	%100
14	M7	Z	-.367	-.367	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	.212	.212	0	%100
18	M9	Z	-.367	-.367	0	%100
19	M13	X	0	0	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	.03	.03	0	%100
22	M14A	Z	-.051	-.051	0	%100
23	M18	X	.03	.03	0	%100
24	M18	Z	-.051	-.051	0	%100
25	M25	X	.396	.396	0	%100
26	M25	Z	-.686	-.686	0	%100
27	M26	X	.396	.396	0	%100
28	M26	Z	-.686	-.686	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	0	0	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	.03	.03	0	%100
34	M42	Z	-.051	-.051	0	%100
35	M50	X	.03	.03	0	%100
36	M50	Z	-.051	-.051	0	%100
37	M52	X	.311	.311	0	%100
38	M52	Z	-.538	-.538	0	%100
39	M53	X	.311	.311	0	%100
40	M53	Z	-.538	-.538	0	%100
41	M54	X	.231	.231	0	%100
42	M54	Z	-.4	-.4	0	%100
43	M55	X	.311	.311	0	%100
44	M55	Z	-.538	-.538	0	%100
45	M56	X	.311	.311	0	%100



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

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
103	MP2A	X	.251	.251	0	%100
104	MP2A	Z	-.434	-.434	0	%100
105	MP1C	X	.251	.251	0	%100
106	MP1C	Z	-.434	-.434	0	%100
107	MP3C	X	.304	.304	0	%100
108	MP3C	Z	-.526	-.526	0	%100
109	MP4C	X	.251	.251	0	%100
110	MP4C	Z	-.434	-.434	0	%100
111	MP2C	X	.251	.251	0	%100
112	MP2C	Z	-.434	-.434	0	%100
113	MP1B	X	.251	.251	0	%100
114	MP1B	Z	-.434	-.434	0	%100
115	MP3B	X	.304	.304	0	%100
116	MP3B	Z	-.526	-.526	0	%100
117	MP4B	X	.251	.251	0	%100
118	MP4B	Z	-.434	-.434	0	%100
119	MP2B	X	.251	.251	0	%100
120	MP2B	Z	-.434	-.434	0	%100
121	M117	X	.047	.047	0	%100
122	M117	Z	-.081	-.081	0	%100
123	M118	X	.047	.047	0	%100
124	M118	Z	-.081	-.081	0	%100
125	M119	X	.047	.047	0	%100
126	M119	Z	-.081	-.081	0	%100
127	M120	X	.047	.047	0	%100
128	M120	Z	-.081	-.081	0	%100
129	M121	X	.242	.242	0	%100
130	M121	Z	-.419	-.419	0	%100
131	M130A	X	.047	.047	0	%100
132	M130A	Z	-.081	-.081	0	%100
133	M131A	X	.047	.047	0	%100
134	M131A	Z	-.081	-.081	0	%100
135	M132A	X	.047	.047	0	%100
136	M132A	Z	-.081	-.081	0	%100
137	M133A	X	.047	.047	0	%100
138	M133A	Z	-.081	-.081	0	%100
139	M134A	X	.242	.242	0	%100
140	M134A	Z	-.419	-.419	0	%100
141	M143	X	.186	.186	0	%100
142	M143	Z	-.323	-.323	0	%100
143	M144	X	.186	.186	0	%100
144	M144	Z	-.323	-.323	0	%100
145	M145	X	.186	.186	0	%100
146	M145	Z	-.323	-.323	0	%100
147	M146	X	.186	.186	0	%100
148	M146	Z	-.323	-.323	0	%100
149	M147	X	.242	.242	0	%100
150	M147	Z	-.419	-.419	0	%100

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in.%]	End Location[in.%]
1	M1	X	.499	.499	0	%100
2	M1	Z	-.288	-.288	0	%100
3	M2	X	.499	.499	0	%100
4	M2	Z	-.288	-.288	0	%100
5	M3	X	.125	.125	0	%100



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

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
63	M65	X	.341	.341	0	%100
64	M65	Z	-.197	-.197	0	%100
65	M66	X	.538	.538	0	%100
66	M66	Z	-.311	-.311	0	%100
67	M67	X	.538	.538	0	%100
68	M67	Z	-.311	-.311	0	%100
69	M68	X	.133	.133	0	%100
70	M68	Z	-.077	-.077	0	%100
71	M69	X	.538	.538	0	%100
72	M69	Z	-.311	-.311	0	%100
73	M70	X	.538	.538	0	%100
74	M70	Z	-.311	-.311	0	%100
75	M71	X	.341	.341	0	%100
76	M71	Z	-.197	-.197	0	%100
77	M72	X	.341	.341	0	%100
78	M72	Z	-.197	-.197	0	%100
79	M127	X	.531	.531	0	%100
80	M127	Z	-.307	-.307	0	%100
81	M128	X	0	0	0	%100
82	M128	Z	0	0	0	%100
83	M129	X	.61	.61	0	%100
84	M129	Z	-.352	-.352	0	%100
85	M130	X	.61	.61	0	%100
86	M130	Z	-.352	-.352	0	%100
87	M131	X	0	0	0	%100
88	M131	Z	0	0	0	%100
89	M132	X	0	0	0	%100
90	M132	Z	0	0	0	%100
91	M133	X	0	0	0	%100
92	M133	Z	0	0	0	%100
93	M134	X	0	0	0	%100
94	M134	Z	0	0	0	%100
95	M135	X	0	0	0	%100
96	M135	Z	0	0	0	%100
97	MP1A	X	.434	.434	0	%100
98	MP1A	Z	-.251	-.251	0	%100
99	MP3A	X	.526	.526	0	%100
100	MP3A	Z	-.304	-.304	0	%100
101	MP4A	X	.434	.434	0	%100
102	MP4A	Z	-.251	-.251	0	%100
103	MP2A	X	.434	.434	0	%100
104	MP2A	Z	-.251	-.251	0	%100
105	MP1C	X	.434	.434	0	%100
106	MP1C	Z	-.251	-.251	0	%100
107	MP3C	X	.526	.526	0	%100
108	MP3C	Z	-.304	-.304	0	%100
109	MP4C	X	.434	.434	0	%100
110	MP4C	Z	-.251	-.251	0	%100
111	MP2C	X	.434	.434	0	%100
112	MP2C	Z	-.251	-.251	0	%100
113	MP1B	X	.434	.434	0	%100
114	MP1B	Z	-.251	-.251	0	%100
115	MP3B	X	.526	.526	0	%100
116	MP3B	Z	-.304	-.304	0	%100
117	MP4B	X	.434	.434	0	%100
118	MP4B	Z	-.251	-.251	0	%100
119	MP2B	X	.434	.434	0	%100



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

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

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

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
80	M127	Z	0	0	0	%100
81	M128	X	.136	.136	0	%100
82	M128	Z	0	0	0	%100
83	M129	X	.704	.704	0	%100
84	M129	Z	0	0	0	%100
85	M130	X	.704	.704	0	%100
86	M130	Z	0	0	0	%100
87	M131	X	.037	.037	0	%100
88	M131	Z	0	0	0	%100
89	M132	X	.037	.037	0	%100
90	M132	Z	0	0	0	%100
91	M133	X	.037	.037	0	%100
92	M133	Z	0	0	0	%100
93	M134	X	.037	.037	0	%100
94	M134	Z	0	0	0	%100
95	M135	X	.037	.037	0	%100
96	M135	Z	0	0	0	%100
97	MP1A	X	.501	.501	0	%100
98	MP1A	Z	0	0	0	%100
99	MP3A	X	.607	.607	0	%100
100	MP3A	Z	0	0	0	%100
101	MP4A	X	.501	.501	0	%100
102	MP4A	Z	0	0	0	%100
103	MP2A	X	.501	.501	0	%100
104	MP2A	Z	0	0	0	%100
105	MP1C	X	.501	.501	0	%100
106	MP1C	Z	0	0	0	%100
107	MP3C	X	.607	.607	0	%100
108	MP3C	Z	0	0	0	%100
109	MP4C	X	.501	.501	0	%100
110	MP4C	Z	0	0	0	%100
111	MP2C	X	.501	.501	0	%100
112	MP2C	Z	0	0	0	%100
113	MP1B	X	.501	.501	0	%100
114	MP1B	Z	0	0	0	%100
115	MP3B	X	.607	.607	0	%100
116	MP3B	Z	0	0	0	%100
117	MP4B	X	.501	.501	0	%100
118	MP4B	Z	0	0	0	%100
119	MP2B	X	.501	.501	0	%100
120	MP2B	Z	0	0	0	%100
121	M117	X	.373	.373	0	%100
122	M117	Z	0	0	0	%100
123	M118	X	.373	.373	0	%100
124	M118	Z	0	0	0	%100
125	M119	X	.373	.373	0	%100
126	M119	Z	0	0	0	%100
127	M120	X	.373	.373	0	%100
128	M120	Z	0	0	0	%100
129	M121	X	.484	.484	0	%100
130	M121	Z	0	0	0	%100
131	M130A	X	.093	.093	0	%100
132	M130A	Z	0	0	0	%100
133	M131A	X	.093	.093	0	%100
134	M131A	Z	0	0	0	%100
135	M132A	X	.093	.093	0	%100
136	M132A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
137	M133A	X	.093	.093	0	%100
138	M133A	Z	0	0	0	%100
139	M134A	X	.484	.484	0	%100
140	M134A	Z	0	0	0	%100
141	M143	X	.093	.093	0	%100
142	M143	Z	0	0	0	%100
143	M144	X	.093	.093	0	%100
144	M144	Z	0	0	0	%100
145	M145	X	.093	.093	0	%100
146	M145	Z	0	0	0	%100
147	M146	X	.093	.093	0	%100
148	M146	Z	0	0	0	%100
149	M147	X	.484	.484	0	%100
150	M147	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	.125	.125	0	%100
2	M1	Z	.072	.072	0	%100
3	M2	X	.125	.125	0	%100
4	M2	Z	.072	.072	0	%100
5	M3	X	.499	.499	0	%100
6	M3	Z	.288	.288	0	%100
7	M4	X	.499	.499	0	%100
8	M4	Z	.288	.288	0	%100
9	M5	X	.125	.125	0	%100
10	M5	Z	.072	.072	0	%100
11	M6	X	.125	.125	0	%100
12	M6	Z	.072	.072	0	%100
13	M7	X	.122	.122	0	%100
14	M7	Z	.071	.071	0	%100
15	M8	X	.49	.49	0	%100
16	M8	Z	.283	.283	0	%100
17	M9	X	.122	.122	0	%100
18	M9	Z	.071	.071	0	%100
19	M13	X	.069	.069	0	%100
20	M13	Z	.04	.04	0	%100
21	M14A	X	.017	.017	0	%100
22	M14A	Z	.01	.01	0	%100
23	M18	X	.017	.017	0	%100
24	M18	Z	.01	.01	0	%100
25	M25	X	.229	.229	0	%100
26	M25	Z	.132	.132	0	%100
27	M26	X	.229	.229	0	%100
28	M26	Z	.132	.132	0	%100
29	M27	X	.914	.914	0	%100
30	M27	Z	.528	.528	0	%100
31	M34	X	.069	.069	0	%100
32	M34	Z	.04	.04	0	%100
33	M42	X	.017	.017	0	%100
34	M42	Z	.01	.01	0	%100
35	M50	X	.017	.017	0	%100
36	M50	Z	.01	.01	0	%100
37	M52	X	.538	.538	0	%100
38	M52	Z	.311	.311	0	%100
39	M53	X	.538	.538	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
40	M53	Z	.311	.311	0	%100
41	M54	X	.133	.133	0	%100
42	M54	Z	.077	.077	0	%100
43	M55	X	.538	.538	0	%100
44	M55	Z	.311	.311	0	%100
45	M56	X	.538	.538	0	%100
46	M56	Z	.311	.311	0	%100
47	M57	X	.341	.341	0	%100
48	M57	Z	.197	.197	0	%100
49	M58	X	.341	.341	0	%100
50	M58	Z	.197	.197	0	%100
51	M59	X	.538	.538	0	%100
52	M59	Z	.311	.311	0	%100
53	M60	X	.538	.538	0	%100
54	M60	Z	.311	.311	0	%100
55	M61	X	.533	.533	0	%100
56	M61	Z	.308	.308	0	%100
57	M62	X	.538	.538	0	%100
58	M62	Z	.311	.311	0	%100
59	M63	X	.538	.538	0	%100
60	M63	Z	.311	.311	0	%100
61	M64	X	.61	.61	0	%100
62	M64	Z	.352	.352	0	%100
63	M65	X	.61	.61	0	%100
64	M65	Z	.352	.352	0	%100
65	M66	X	.538	.538	0	%100
66	M66	Z	.311	.311	0	%100
67	M67	X	.538	.538	0	%100
68	M67	Z	.311	.311	0	%100
69	M68	X	.133	.133	0	%100
70	M68	Z	.077	.077	0	%100
71	M69	X	.538	.538	0	%100
72	M69	Z	.311	.311	0	%100
73	M70	X	.538	.538	0	%100
74	M70	Z	.311	.311	0	%100
75	M71	X	.341	.341	0	%100
76	M71	Z	.197	.197	0	%100
77	M72	X	.341	.341	0	%100
78	M72	Z	.197	.197	0	%100
79	M127	X	.133	.133	0	%100
80	M127	Z	.077	.077	0	%100
81	M128	X	.354	.354	0	%100
82	M128	Z	.205	.205	0	%100
83	M129	X	.61	.61	0	%100
84	M129	Z	.352	.352	0	%100
85	M130	X	.61	.61	0	%100
86	M130	Z	.352	.352	0	%100
87	M131	X	.096	.096	0	%100
88	M131	Z	.055	.055	0	%100
89	M132	X	.096	.096	0	%100
90	M132	Z	.055	.055	0	%100
91	M133	X	.096	.096	0	%100
92	M133	Z	.055	.055	0	%100
93	M134	X	.096	.096	0	%100
94	M134	Z	.055	.055	0	%100
95	M135	X	.096	.096	0	%100
96	M135	Z	.055	.055	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
97	MP1A	X	.434	.434	0	%100
98	MP1A	Z	.251	.251	0	%100
99	MP3A	X	.526	.526	0	%100
100	MP3A	Z	.304	.304	0	%100
101	MP4A	X	.434	.434	0	%100
102	MP4A	Z	.251	.251	0	%100
103	MP2A	X	.434	.434	0	%100
104	MP2A	Z	.251	.251	0	%100
105	MP1C	X	.434	.434	0	%100
106	MP1C	Z	.251	.251	0	%100
107	MP3C	X	.526	.526	0	%100
108	MP3C	Z	.304	.304	0	%100
109	MP4C	X	.434	.434	0	%100
110	MP4C	Z	.251	.251	0	%100
111	MP2C	X	.434	.434	0	%100
112	MP2C	Z	.251	.251	0	%100
113	MP1B	X	.434	.434	0	%100
114	MP1B	Z	.251	.251	0	%100
115	MP3B	X	.526	.526	0	%100
116	MP3B	Z	.304	.304	0	%100
117	MP4B	X	.434	.434	0	%100
118	MP4B	Z	.251	.251	0	%100
119	MP2B	X	.434	.434	0	%100
120	MP2B	Z	.251	.251	0	%100
121	M117	X	.242	.242	0	%100
122	M117	Z	.14	.14	0	%100
123	M118	X	.242	.242	0	%100
124	M118	Z	.14	.14	0	%100
125	M119	X	.242	.242	0	%100
126	M119	Z	.14	.14	0	%100
127	M120	X	.242	.242	0	%100
128	M120	Z	.14	.14	0	%100
129	M121	X	.419	.419	0	%100
130	M121	Z	.242	.242	0	%100
131	M130A	X	.242	.242	0	%100
132	M130A	Z	.14	.14	0	%100
133	M131A	X	.242	.242	0	%100
134	M131A	Z	.14	.14	0	%100
135	M132A	X	.242	.242	0	%100
136	M132A	Z	.14	.14	0	%100
137	M133A	X	.242	.242	0	%100
138	M133A	Z	.14	.14	0	%100
139	M134A	X	.419	.419	0	%100
140	M134A	Z	.242	.242	0	%100
141	M143	X	0	0	0	%100
142	M143	Z	0	0	0	%100
143	M144	X	0	0	0	%100
144	M144	Z	0	0	0	%100
145	M145	X	0	0	0	%100
146	M145	Z	0	0	0	%100
147	M146	X	0	0	0	%100
148	M146	Z	0	0	0	%100
149	M147	X	.419	.419	0	%100
150	M147	Z	.242	.242	0	%100

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



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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.216	.216	0	%100
6	M3	Z	.374	.374	0	%100
7	M4	X	.216	.216	0	%100
8	M4	Z	.374	.374	0	%100
9	M5	X	.216	.216	0	%100
10	M5	Z	.374	.374	0	%100
11	M6	X	.216	.216	0	%100
12	M6	Z	.374	.374	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	.212	.212	0	%100
16	M8	Z	.367	.367	0	%100
17	M9	X	.212	.212	0	%100
18	M9	Z	.367	.367	0	%100
19	M13	X	.03	.03	0	%100
20	M13	Z	.051	.051	0	%100
21	M14A	X	.03	.03	0	%100
22	M14A	Z	.051	.051	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	.396	.396	0	%100
26	M25	Z	.686	.686	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	.396	.396	0	%100
30	M27	Z	.686	.686	0	%100
31	M34	X	.03	.03	0	%100
32	M34	Z	.051	.051	0	%100
33	M42	X	.03	.03	0	%100
34	M42	Z	.051	.051	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	.311	.311	0	%100
38	M52	Z	.538	.538	0	%100
39	M53	X	.311	.311	0	%100
40	M53	Z	.538	.538	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	.311	.311	0	%100
44	M55	Z	.538	.538	0	%100
45	M56	X	.311	.311	0	%100
46	M56	Z	.538	.538	0	%100
47	M57	X	.145	.145	0	%100
48	M57	Z	.252	.252	0	%100
49	M58	X	.145	.145	0	%100
50	M58	Z	.252	.252	0	%100
51	M59	X	.311	.311	0	%100
52	M59	Z	.538	.538	0	%100
53	M60	X	.311	.311	0	%100
54	M60	Z	.538	.538	0	%100
55	M61	X	.231	.231	0	%100
56	M61	Z	.4	.4	0	%100
57	M62	X	.311	.311	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
58	M62	Z	.538	.538	0	%100
59	M63	X	.311	.311	0	%100
60	M63	Z	.538	.538	0	%100
61	M64	X	.3	.3	0	%100
62	M64	Z	.52	.52	0	%100
63	M65	X	.3	.3	0	%100
64	M65	Z	.52	.52	0	%100
65	M66	X	.311	.311	0	%100
66	M66	Z	.538	.538	0	%100
67	M67	X	.311	.311	0	%100
68	M67	Z	.538	.538	0	%100
69	M68	X	.231	.231	0	%100
70	M68	Z	.4	.4	0	%100
71	M69	X	.311	.311	0	%100
72	M69	Z	.538	.538	0	%100
73	M70	X	.311	.311	0	%100
74	M70	Z	.538	.538	0	%100
75	M71	X	.3	.3	0	%100
76	M71	Z	.52	.52	0	%100
77	M72	X	.3	.3	0	%100
78	M72	Z	.52	.52	0	%100
79	M127	X	0	0	0	%100
80	M127	Z	0	0	0	%100
81	M128	X	.273	.273	0	%100
82	M128	Z	.472	.472	0	%100
83	M129	X	.352	.352	0	%100
84	M129	Z	.61	.61	0	%100
85	M130	X	.352	.352	0	%100
86	M130	Z	.61	.61	0	%100
87	M131	X	.074	.074	0	%100
88	M131	Z	.128	.128	0	%100
89	M132	X	.074	.074	0	%100
90	M132	Z	.128	.128	0	%100
91	M133	X	.074	.074	0	%100
92	M133	Z	.128	.128	0	%100
93	M134	X	.074	.074	0	%100
94	M134	Z	.128	.128	0	%100
95	M135	X	.074	.074	0	%100
96	M135	Z	.128	.128	0	%100
97	MP1A	X	.251	.251	0	%100
98	MP1A	Z	.434	.434	0	%100
99	MP3A	X	.304	.304	0	%100
100	MP3A	Z	.526	.526	0	%100
101	MP4A	X	.251	.251	0	%100
102	MP4A	Z	.434	.434	0	%100
103	MP2A	X	.251	.251	0	%100
104	MP2A	Z	.434	.434	0	%100
105	MP1C	X	.251	.251	0	%100
106	MP1C	Z	.434	.434	0	%100
107	MP3C	X	.304	.304	0	%100
108	MP3C	Z	.526	.526	0	%100
109	MP4C	X	.251	.251	0	%100
110	MP4C	Z	.434	.434	0	%100
111	MP2C	X	.251	.251	0	%100
112	MP2C	Z	.434	.434	0	%100
113	MP1B	X	.251	.251	0	%100
114	MP1B	Z	.434	.434	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
115	MP3B	X	.304	.304	0	%100
116	MP3B	Z	.526	.526	0	%100
117	MP4B	X	.251	.251	0	%100
118	MP4B	Z	.434	.434	0	%100
119	MP2B	X	.251	.251	0	%100
120	MP2B	Z	.434	.434	0	%100
121	M117	X	.047	.047	0	%100
122	M117	Z	.081	.081	0	%100
123	M118	X	.047	.047	0	%100
124	M118	Z	.081	.081	0	%100
125	M119	X	.047	.047	0	%100
126	M119	Z	.081	.081	0	%100
127	M120	X	.047	.047	0	%100
128	M120	Z	.081	.081	0	%100
129	M121	X	.242	.242	0	%100
130	M121	Z	.419	.419	0	%100
131	M130A	X	.186	.186	0	%100
132	M130A	Z	.323	.323	0	%100
133	M131A	X	.186	.186	0	%100
134	M131A	Z	.323	.323	0	%100
135	M132A	X	.186	.186	0	%100
136	M132A	Z	.323	.323	0	%100
137	M133A	X	.186	.186	0	%100
138	M133A	Z	.323	.323	0	%100
139	M134A	X	.242	.242	0	%100
140	M134A	Z	.419	.419	0	%100
141	M143	X	.047	.047	0	%100
142	M143	Z	.081	.081	0	%100
143	M144	X	.047	.047	0	%100
144	M144	Z	.081	.081	0	%100
145	M145	X	.047	.047	0	%100
146	M145	Z	.081	.081	0	%100
147	M146	X	.047	.047	0	%100
148	M146	Z	.081	.081	0	%100
149	M147	X	.242	.242	0	%100
150	M147	Z	.419	.419	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	0	0	0	%100
2	M1	Z	.144	.144	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.144	.144	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.144	.144	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.144	.144	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	.576	.576	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	.576	.576	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	.141	.141	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	.141	.141	0	%100
17	M9	X	0	0	0	%100

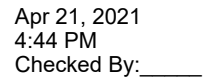


Member Distributed Loads (BLC 71 : Structure Wm (180 Deg)) (Continued)

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
75	M71	X	0	0	0	%100
76	M71	Z	.704	.704	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	.704	.704	0	%100
79	M127	X	0	0	0	%100
80	M127	Z	.153	.153	0	%100
81	M128	X	0	0	0	%100
82	M128	Z	.409	.409	0	%100
83	M129	X	0	0	0	%100
84	M129	Z	.704	.704	0	%100
85	M130	X	0	0	0	%100
86	M130	Z	.704	.704	0	%100
87	M131	X	0	0	0	%100
88	M131	Z	.111	.111	0	%100
89	M132	X	0	0	0	%100
90	M132	Z	.111	.111	0	%100
91	M133	X	0	0	0	%100
92	M133	Z	.111	.111	0	%100
93	M134	X	0	0	0	%100
94	M134	Z	.111	.111	0	%100
95	M135	X	0	0	0	%100
96	M135	Z	.111	.111	0	%100
97	MP1A	X	0	0	0	%100
98	MP1A	Z	.501	.501	0	%100
99	MP3A	X	0	0	0	%100
100	MP3A	Z	.607	.607	0	%100
101	MP4A	X	0	0	0	%100
102	MP4A	Z	.501	.501	0	%100
103	MP2A	X	0	0	0	%100
104	MP2A	Z	.501	.501	0	%100
105	MP1C	X	0	0	0	%100
106	MP1C	Z	.501	.501	0	%100
107	MP3C	X	0	0	0	%100
108	MP3C	Z	.607	.607	0	%100
109	MP4C	X	0	0	0	%100
110	MP4C	Z	.501	.501	0	%100
111	MP2C	X	0	0	0	%100
112	MP2C	Z	.501	.501	0	%100
113	MP1B	X	0	0	0	%100
114	MP1B	Z	.501	.501	0	%100
115	MP3B	X	0	0	0	%100
116	MP3B	Z	.607	.607	0	%100
117	MP4B	X	0	0	0	%100
118	MP4B	Z	.501	.501	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	.501	.501	0	%100
121	M117	X	0	0	0	%100
122	M117	Z	0	0	0	%100
123	M118	X	0	0	0	%100
124	M118	Z	0	0	0	%100
125	M119	X	0	0	0	%100
126	M119	Z	0	0	0	%100
127	M120	X	0	0	0	%100
128	M120	Z	0	0	0	%100
129	M121	X	0	0	0	%100
130	M121	Z	.484	.484	0	%100
131	M130A	X	0	0	0	%100





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

RISA-3D Version 17.0.4

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
92	M133	Z	.032	.032	0	%100
93	M134	X	-.018	-.018	0	%100
94	M134	Z	.032	.032	0	%100
95	M135	X	-.018	-.018	0	%100
96	M135	Z	.032	.032	0	%100
97	MP1A	X	-.251	-.251	0	%100
98	MP1A	Z	.434	.434	0	%100
99	MP3A	X	-.304	-.304	0	%100
100	MP3A	Z	.526	.526	0	%100
101	MP4A	X	-.251	-.251	0	%100
102	MP4A	Z	.434	.434	0	%100
103	MP2A	X	-.251	-.251	0	%100
104	MP2A	Z	.434	.434	0	%100
105	MP1C	X	-.251	-.251	0	%100
106	MP1C	Z	.434	.434	0	%100
107	MP3C	X	-.304	-.304	0	%100
108	MP3C	Z	.526	.526	0	%100
109	MP4C	X	-.251	-.251	0	%100
110	MP4C	Z	.434	.434	0	%100
111	MP2C	X	-.251	-.251	0	%100
112	MP2C	Z	.434	.434	0	%100
113	MP1B	X	-.251	-.251	0	%100
114	MP1B	Z	.434	.434	0	%100
115	MP3B	X	-.304	-.304	0	%100
116	MP3B	Z	.526	.526	0	%100
117	MP4B	X	-.251	-.251	0	%100
118	MP4B	Z	.434	.434	0	%100
119	MP2B	X	-.251	-.251	0	%100
120	MP2B	Z	.434	.434	0	%100
121	M117	X	-.047	-.047	0	%100
122	M117	Z	.081	.081	0	%100
123	M118	X	-.047	-.047	0	%100
124	M118	Z	.081	.081	0	%100
125	M119	X	-.047	-.047	0	%100
126	M119	Z	.081	.081	0	%100
127	M120	X	-.047	-.047	0	%100
128	M120	Z	.081	.081	0	%100
129	M121	X	-.242	-.242	0	%100
130	M121	Z	.419	.419	0	%100
131	M130A	X	-.047	-.047	0	%100
132	M130A	Z	.081	.081	0	%100
133	M131A	X	-.047	-.047	0	%100
134	M131A	Z	.081	.081	0	%100
135	M132A	X	-.047	-.047	0	%100
136	M132A	Z	.081	.081	0	%100
137	M133A	X	-.047	-.047	0	%100
138	M133A	Z	.081	.081	0	%100
139	M134A	X	-.242	-.242	0	%100
140	M134A	Z	.419	.419	0	%100
141	M143	X	-.186	-.186	0	%100
142	M143	Z	.323	.323	0	%100
143	M144	X	-.186	-.186	0	%100
144	M144	Z	.323	.323	0	%100
145	M145	X	-.186	-.186	0	%100
146	M145	Z	.323	.323	0	%100
147	M146	X	-.186	-.186	0	%100
148	M146	Z	.323	.323	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
149	M147	X	-.242	-.242	0	%100
150	M147	Z	.419	.419	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
1	M1	X	-.499	-.499	0	%100
2	M1	Z	.288	.288	0	%100
3	M2	X	-.499	-.499	0	%100
4	M2	Z	.288	.288	0	%100
5	M3	X	-.125	-.125	0	%100
6	M3	Z	.072	.072	0	%100
7	M4	X	-.125	-.125	0	%100
8	M4	Z	.072	.072	0	%100
9	M5	X	-.125	-.125	0	%100
10	M5	Z	.072	.072	0	%100
11	M6	X	-.125	-.125	0	%100
12	M6	Z	.072	.072	0	%100
13	M7	X	-.49	-.49	0	%100
14	M7	Z	.283	.283	0	%100
15	M8	X	-.122	-.122	0	%100
16	M8	Z	.071	.071	0	%100
17	M9	X	-.122	-.122	0	%100
18	M9	Z	.071	.071	0	%100
19	M13	X	-.017	-.017	0	%100
20	M13	Z	.01	.01	0	%100
21	M14A	X	-.017	-.017	0	%100
22	M14A	Z	.01	.01	0	%100
23	M18	X	-.069	-.069	0	%100
24	M18	Z	.04	.04	0	%100
25	M25	X	-.229	-.229	0	%100
26	M25	Z	.132	.132	0	%100
27	M26	X	-.914	-.914	0	%100
28	M26	Z	.528	.528	0	%100
29	M27	X	-.229	-.229	0	%100
30	M27	Z	.132	.132	0	%100
31	M34	X	-.017	-.017	0	%100
32	M34	Z	.01	.01	0	%100
33	M42	X	-.017	-.017	0	%100
34	M42	Z	.01	.01	0	%100
35	M50	X	-.069	-.069	0	%100
36	M50	Z	.04	.04	0	%100
37	M52	X	-.538	-.538	0	%100
38	M52	Z	.311	.311	0	%100
39	M53	X	-.538	-.538	0	%100
40	M53	Z	.311	.311	0	%100
41	M54	X	-.533	-.533	0	%100
42	M54	Z	.308	.308	0	%100
43	M55	X	-.538	-.538	0	%100
44	M55	Z	.311	.311	0	%100
45	M56	X	-.538	-.538	0	%100
46	M56	Z	.311	.311	0	%100
47	M57	X	-.61	-.61	0	%100
48	M57	Z	.352	.352	0	%100
49	M58	X	-.61	-.61	0	%100
50	M58	Z	.352	.352	0	%100
51	M59	X	-.538	-.538	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
52	M59	Z	.311	.311	0	%100
53	M60	X	-.538	-.538	0	%100
54	M60	Z	.311	.311	0	%100
55	M61	X	-.133	-.133	0	%100
56	M61	Z	.077	.077	0	%100
57	M62	X	-.538	-.538	0	%100
58	M62	Z	.311	.311	0	%100
59	M63	X	-.538	-.538	0	%100
60	M63	Z	.311	.311	0	%100
61	M64	X	-.341	-.341	0	%100
62	M64	Z	.197	.197	0	%100
63	M65	X	-.341	-.341	0	%100
64	M65	Z	.197	.197	0	%100
65	M66	X	-.538	-.538	0	%100
66	M66	Z	.311	.311	0	%100
67	M67	X	-.538	-.538	0	%100
68	M67	Z	.311	.311	0	%100
69	M68	X	-.133	-.133	0	%100
70	M68	Z	.077	.077	0	%100
71	M69	X	-.538	-.538	0	%100
72	M69	Z	.311	.311	0	%100
73	M70	X	-.538	-.538	0	%100
74	M70	Z	.311	.311	0	%100
75	M71	X	-.341	-.341	0	%100
76	M71	Z	.197	.197	0	%100
77	M72	X	-.341	-.341	0	%100
78	M72	Z	.197	.197	0	%100
79	M127	X	-.531	-.531	0	%100
80	M127	Z	.307	.307	0	%100
81	M128	X	0	0	0	%100
82	M128	Z	0	0	0	%100
83	M129	X	-.61	-.61	0	%100
84	M129	Z	.352	.352	0	%100
85	M130	X	-.61	-.61	0	%100
86	M130	Z	.352	.352	0	%100
87	M131	X	0	0	0	%100
88	M131	Z	0	0	0	%100
89	M132	X	0	0	0	%100
90	M132	Z	0	0	0	%100
91	M133	X	0	0	0	%100
92	M133	Z	0	0	0	%100
93	M134	X	0	0	0	%100
94	M134	Z	0	0	0	%100
95	M135	X	0	0	0	%100
96	M135	Z	0	0	0	%100
97	MP1A	X	-.434	-.434	0	%100
98	MP1A	Z	.251	.251	0	%100
99	MP3A	X	-.526	-.526	0	%100
100	MP3A	Z	.304	.304	0	%100
101	MP4A	X	-.434	-.434	0	%100
102	MP4A	Z	.251	.251	0	%100
103	MP2A	X	-.434	-.434	0	%100
104	MP2A	Z	.251	.251	0	%100
105	MP1C	X	-.434	-.434	0	%100
106	MP1C	Z	.251	.251	0	%100
107	MP3C	X	-.526	-.526	0	%100
108	MP3C	Z	.304	.304	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
109	MP4C	X	-.434	-.434	0	%100
110	MP4C	Z	.251	.251	0	%100
111	MP2C	X	-.434	-.434	0	%100
112	MP2C	Z	.251	.251	0	%100
113	MP1B	X	-.434	-.434	0	%100
114	MP1B	Z	.251	.251	0	%100
115	MP3B	X	-.526	-.526	0	%100
116	MP3B	Z	.304	.304	0	%100
117	MP4B	X	-.434	-.434	0	%100
118	MP4B	Z	.251	.251	0	%100
119	MP2B	X	-.434	-.434	0	%100
120	MP2B	Z	.251	.251	0	%100
121	M117	X	-.242	-.242	0	%100
122	M117	Z	.14	.14	0	%100
123	M118	X	-.242	-.242	0	%100
124	M118	Z	.14	.14	0	%100
125	M119	X	-.242	-.242	0	%100
126	M119	Z	.14	.14	0	%100
127	M120	X	-.242	-.242	0	%100
128	M120	Z	.14	.14	0	%100
129	M121	X	-.419	-.419	0	%100
130	M121	Z	.242	.242	0	%100
131	M130A	X	0	0	0	%100
132	M130A	Z	0	0	0	%100
133	M131A	X	0	0	0	%100
134	M131A	Z	0	0	0	%100
135	M132A	X	0	0	0	%100
136	M132A	Z	0	0	0	%100
137	M133A	X	0	0	0	%100
138	M133A	Z	0	0	0	%100
139	M134A	X	-.419	-.419	0	%100
140	M134A	Z	.242	.242	0	%100
141	M143	X	-.242	-.242	0	%100
142	M143	Z	.14	.14	0	%100
143	M144	X	-.242	-.242	0	%100
144	M144	Z	.14	.14	0	%100
145	M145	X	-.242	-.242	0	%100
146	M145	Z	.14	.14	0	%100
147	M146	X	-.242	-.242	0	%100
148	M146	Z	.14	.14	0	%100
149	M147	X	-.419	-.419	0	%100
150	M147	Z	.242	.242	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	-.432	-.432	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.432	-.432	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.432	-.432	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.432	-.432	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
12	M6	Z	0	0	0	%100
13	M7	X	-.424	-.424	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-.424	-.424	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M13	X	-.059	-.059	0	%100
20	M13	Z	0	0	0	%100
21	M14A	X	0	0	0	%100
22	M14A	Z	0	0	0	%100
23	M18	X	-.059	-.059	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.792	-.792	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-.792	-.792	0	%100
30	M27	Z	0	0	0	%100
31	M34	X	-.059	-.059	0	%100
32	M34	Z	0	0	0	%100
33	M42	X	0	0	0	%100
34	M42	Z	0	0	0	%100
35	M50	X	-.059	-.059	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	-.622	-.622	0	%100
38	M52	Z	0	0	0	%100
39	M53	X	-.622	-.622	0	%100
40	M53	Z	0	0	0	%100
41	M54	X	-.462	-.462	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	-.622	-.622	0	%100
44	M55	Z	0	0	0	%100
45	M56	X	-.622	-.622	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	-.601	-.601	0	%100
48	M57	Z	0	0	0	%100
49	M58	X	-.601	-.601	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	-.622	-.622	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-.622	-.622	0	%100
54	M60	Z	0	0	0	%100
55	M61	X	-.462	-.462	0	%100
56	M61	Z	0	0	0	%100
57	M62	X	-.622	-.622	0	%100
58	M62	Z	0	0	0	%100
59	M63	X	-.622	-.622	0	%100
60	M63	Z	0	0	0	%100
61	M64	X	-.601	-.601	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	-.601	-.601	0	%100
64	M65	Z	0	0	0	%100
65	M66	X	-.622	-.622	0	%100
66	M66	Z	0	0	0	%100
67	M67	X	-.622	-.622	0	%100
68	M67	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
69	M68	X	0	0	0	%100
70	M68	Z	0	0	0	%100
71	M69	X	-.622	-.622	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	-.622	-.622	0	%100
74	M70	Z	0	0	0	%100
75	M71	X	-.291	-.291	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	-.291	-.291	0	%100
78	M72	Z	0	0	0	%100
79	M127	X	-.46	-.46	0	%100
80	M127	Z	0	0	0	%100
81	M128	X	-.136	-.136	0	%100
82	M128	Z	0	0	0	%100
83	M129	X	-.704	-.704	0	%100
84	M129	Z	0	0	0	%100
85	M130	X	-.704	-.704	0	%100
86	M130	Z	0	0	0	%100
87	M131	X	-.037	-.037	0	%100
88	M131	Z	0	0	0	%100
89	M132	X	-.037	-.037	0	%100
90	M132	Z	0	0	0	%100
91	M133	X	-.037	-.037	0	%100
92	M133	Z	0	0	0	%100
93	M134	X	-.037	-.037	0	%100
94	M134	Z	0	0	0	%100
95	M135	X	-.037	-.037	0	%100
96	M135	Z	0	0	0	%100
97	MP1A	X	-.501	-.501	0	%100
98	MP1A	Z	0	0	0	%100
99	MP3A	X	-.607	-.607	0	%100
100	MP3A	Z	0	0	0	%100
101	MP4A	X	-.501	-.501	0	%100
102	MP4A	Z	0	0	0	%100
103	MP2A	X	-.501	-.501	0	%100
104	MP2A	Z	0	0	0	%100
105	MP1C	X	-.501	-.501	0	%100
106	MP1C	Z	0	0	0	%100
107	MP3C	X	-.607	-.607	0	%100
108	MP3C	Z	0	0	0	%100
109	MP4C	X	-.501	-.501	0	%100
110	MP4C	Z	0	0	0	%100
111	MP2C	X	-.501	-.501	0	%100
112	MP2C	Z	0	0	0	%100
113	MP1B	X	-.501	-.501	0	%100
114	MP1B	Z	0	0	0	%100
115	MP3B	X	-.607	-.607	0	%100
116	MP3B	Z	0	0	0	%100
117	MP4B	X	-.501	-.501	0	%100
118	MP4B	Z	0	0	0	%100
119	MP2B	X	-.501	-.501	0	%100
120	MP2B	Z	0	0	0	%100
121	M117	X	-.373	-.373	0	%100
122	M117	Z	0	0	0	%100
123	M118	X	-.373	-.373	0	%100
124	M118	Z	0	0	0	%100
125	M119	X	-.373	-.373	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
126	M119	Z	0	0	0	%100
127	M120	X	-.373	-.373	0	%100
128	M120	Z	0	0	0	%100
129	M121	X	-.484	-.484	0	%100
130	M121	Z	0	0	0	%100
131	M130A	X	-.093	-.093	0	%100
132	M130A	Z	0	0	0	%100
133	M131A	X	-.093	-.093	0	%100
134	M131A	Z	0	0	0	%100
135	M132A	X	-.093	-.093	0	%100
136	M132A	Z	0	0	0	%100
137	M133A	X	-.093	-.093	0	%100
138	M133A	Z	0	0	0	%100
139	M134A	X	-.484	-.484	0	%100
140	M134A	Z	0	0	0	%100
141	M143	X	-.093	-.093	0	%100
142	M143	Z	0	0	0	%100
143	M144	X	-.093	-.093	0	%100
144	M144	Z	0	0	0	%100
145	M145	X	-.093	-.093	0	%100
146	M145	Z	0	0	0	%100
147	M146	X	-.093	-.093	0	%100
148	M146	Z	0	0	0	%100
149	M147	X	-.484	-.484	0	%100
150	M147	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,°]	End Location[in,°]
1	M1	X	-.125	-.125	0	%100
2	M1	Z	-.072	-.072	0	%100
3	M2	X	-.125	-.125	0	%100
4	M2	Z	-.072	-.072	0	%100
5	M3	X	-.499	-.499	0	%100
6	M3	Z	-.288	-.288	0	%100
7	M4	X	-.499	-.499	0	%100
8	M4	Z	-.288	-.288	0	%100
9	M5	X	-.125	-.125	0	%100
10	M5	Z	-.072	-.072	0	%100
11	M6	X	-.125	-.125	0	%100
12	M6	Z	-.072	-.072	0	%100
13	M7	X	-.122	-.122	0	%100
14	M7	Z	-.071	-.071	0	%100
15	M8	X	-.49	-.49	0	%100
16	M8	Z	-.283	-.283	0	%100
17	M9	X	-.122	-.122	0	%100
18	M9	Z	-.071	-.071	0	%100
19	M13	X	-.069	-.069	0	%100
20	M13	Z	-.04	-.04	0	%100
21	M14A	X	-.017	-.017	0	%100
22	M14A	Z	-.01	-.01	0	%100
23	M18	X	-.017	-.017	0	%100
24	M18	Z	-.01	-.01	0	%100
25	M25	X	-.229	-.229	0	%100
26	M25	Z	-.132	-.132	0	%100
27	M26	X	-.229	-.229	0	%100
28	M26	Z	-.132	-.132	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
29	M27	X	-914	-914	0	%100
30	M27	Z	-528	-528	0	%100
31	M34	X	-069	-069	0	%100
32	M34	Z	-.04	-.04	0	%100
33	M42	X	-.017	-.017	0	%100
34	M42	Z	-.01	-.01	0	%100
35	M50	X	-.017	-.017	0	%100
36	M50	Z	-.01	-.01	0	%100
37	M52	X	-.538	-.538	0	%100
38	M52	Z	-.311	-.311	0	%100
39	M53	X	-.538	-.538	0	%100
40	M53	Z	-.311	-.311	0	%100
41	M54	X	-.133	-.133	0	%100
42	M54	Z	-.077	-.077	0	%100
43	M55	X	-.538	-.538	0	%100
44	M55	Z	-.311	-.311	0	%100
45	M56	X	-.538	-.538	0	%100
46	M56	Z	-.311	-.311	0	%100
47	M57	X	-.341	-.341	0	%100
48	M57	Z	-.197	-.197	0	%100
49	M58	X	-.341	-.341	0	%100
50	M58	Z	-.197	-.197	0	%100
51	M59	X	-.538	-.538	0	%100
52	M59	Z	-.311	-.311	0	%100
53	M60	X	-.538	-.538	0	%100
54	M60	Z	-.311	-.311	0	%100
55	M61	X	-.533	-.533	0	%100
56	M61	Z	-.308	-.308	0	%100
57	M62	X	-.538	-.538	0	%100
58	M62	Z	-.311	-.311	0	%100
59	M63	X	-.538	-.538	0	%100
60	M63	Z	-.311	-.311	0	%100
61	M64	X	-.61	-.61	0	%100
62	M64	Z	-.352	-.352	0	%100
63	M65	X	-.61	-.61	0	%100
64	M65	Z	-.352	-.352	0	%100
65	M66	X	-.538	-.538	0	%100
66	M66	Z	-.311	-.311	0	%100
67	M67	X	-.538	-.538	0	%100
68	M67	Z	-.311	-.311	0	%100
69	M68	X	-.133	-.133	0	%100
70	M68	Z	-.077	-.077	0	%100
71	M69	X	-.538	-.538	0	%100
72	M69	Z	-.311	-.311	0	%100
73	M70	X	-.538	-.538	0	%100
74	M70	Z	-.311	-.311	0	%100
75	M71	X	-.341	-.341	0	%100
76	M71	Z	-.197	-.197	0	%100
77	M72	X	-.341	-.341	0	%100
78	M72	Z	-.197	-.197	0	%100
79	M127	X	-.133	-.133	0	%100
80	M127	Z	-.077	-.077	0	%100
81	M128	X	-.354	-.354	0	%100
82	M128	Z	-.205	-.205	0	%100
83	M129	X	-.61	-.61	0	%100
84	M129	Z	-.352	-.352	0	%100
85	M130	X	-.61	-.61	0	%100



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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
143	M144	X	0	0	0	%100
144	M144	Z	0	0	0	%100
145	M145	X	0	0	0	%100
146	M145	Z	0	0	0	%100
147	M146	X	0	0	0	%100
148	M146	Z	0	0	0	%100
149	M147	X	-.419	-.419	0	%100
150	M147	Z	-.242	-.242	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.216	-.216	0	%100
6	M3	Z	-.374	-.374	0	%100
7	M4	X	-.216	-.216	0	%100
8	M4	Z	-.374	-.374	0	%100
9	M5	X	-.216	-.216	0	%100
10	M5	Z	-.374	-.374	0	%100
11	M6	X	-.216	-.216	0	%100
12	M6	Z	-.374	-.374	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-.212	-.212	0	%100
16	M8	Z	-.367	-.367	0	%100
17	M9	X	-.212	-.212	0	%100
18	M9	Z	-.367	-.367	0	%100
19	M13	X	-.03	-.03	0	%100
20	M13	Z	-.051	-.051	0	%100
21	M14A	X	-.03	-.03	0	%100
22	M14A	Z	-.051	-.051	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M25	X	-.396	-.396	0	%100
26	M25	Z	-.686	-.686	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-.396	-.396	0	%100
30	M27	Z	-.686	-.686	0	%100
31	M34	X	-.03	-.03	0	%100
32	M34	Z	-.051	-.051	0	%100
33	M42	X	-.03	-.03	0	%100
34	M42	Z	-.051	-.051	0	%100
35	M50	X	0	0	0	%100
36	M50	Z	0	0	0	%100
37	M52	X	-.311	-.311	0	%100
38	M52	Z	-.538	-.538	0	%100
39	M53	X	-.311	-.311	0	%100
40	M53	Z	-.538	-.538	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	-.311	-.311	0	%100
44	M55	Z	-.538	-.538	0	%100
45	M56	X	-.311	-.311	0	%100



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

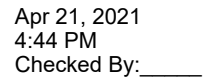
RISA-3D Version 17.0.4

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in, %]	End Location[in, %]
103	MP2A	X	-251	-251	0	%100
104	MP2A	Z	-434	-434	0	%100
105	MP1C	X	-251	-251	0	%100
106	MP1C	Z	-434	-434	0	%100
107	MP3C	X	-304	-304	0	%100
108	MP3C	Z	-526	-526	0	%100
109	MP4C	X	-251	-251	0	%100
110	MP4C	Z	-434	-434	0	%100
111	MP2C	X	-251	-251	0	%100
112	MP2C	Z	-434	-434	0	%100
113	MP1B	X	-251	-251	0	%100
114	MP1B	Z	-434	-434	0	%100
115	MP3B	X	-304	-304	0	%100
116	MP3B	Z	-526	-526	0	%100
117	MP4B	X	-251	-251	0	%100
118	MP4B	Z	-434	-434	0	%100
119	MP2B	X	-251	-251	0	%100
120	MP2B	Z	-434	-434	0	%100
121	M117	X	-.047	-.047	0	%100
122	M117	Z	-.081	-.081	0	%100
123	M118	X	-.047	-.047	0	%100
124	M118	Z	-.081	-.081	0	%100
125	M119	X	-.047	-.047	0	%100
126	M119	Z	-.081	-.081	0	%100
127	M120	X	-.047	-.047	0	%100
128	M120	Z	-.081	-.081	0	%100
129	M121	X	-.242	-.242	0	%100
130	M121	Z	-.419	-.419	0	%100
131	M130A	X	-.186	-.186	0	%100
132	M130A	Z	-.323	-.323	0	%100
133	M131A	X	-.186	-.186	0	%100
134	M131A	Z	-.323	-.323	0	%100
135	M132A	X	-.186	-.186	0	%100
136	M132A	Z	-.323	-.323	0	%100
137	M133A	X	-.186	-.186	0	%100
138	M133A	Z	-.323	-.323	0	%100
139	M134A	X	-.242	-.242	0	%100
140	M134A	Z	-.419	-.419	0	%100
141	M143	X	-.047	-.047	0	%100
142	M143	Z	-.081	-.081	0	%100
143	M144	X	-.047	-.047	0	%100
144	M144	Z	-.081	-.081	0	%100
145	M145	X	-.047	-.047	0	%100
146	M145	Z	-.081	-.081	0	%100
147	M146	X	-.047	-.047	0	%100
148	M146	Z	-.081	-.081	0	%100
149	M147	X	-.242	-.242	0	%100
150	M147	Z	-.419	-.419	0	%100

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

	Member Label	Direction	Start Magnitude[mag]	End Magnitude[mag]	Start Location[deg]	End Location[deg]
1	M4	Y	-2.717	-3.228	0	16
2	M4	Y	-3.228	-2.737	16	32
3	M4	Y	-2.737	-1.937	32	48
4	M4	Y	-1.937	-1.833	48	64
5	M5	Y	-4.08	-2.575	0	11.52



	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in, %]	End Location[in, %]
6	M5	Y	-2.575	-2.544	11.52	23.04
7	M5	Y	-2.544	-1.717	23.04	34.56
8	M5	Y	-1.717	-1.922	34.56	46.08
9	M5	Y	-1.922	-1.76	46.08	57.6
10	M7	Y	-1.121	-2.31	0	16.32
11	M7	Y	-2.31	-3.983	16.32	32.64
12	M7	Y	-3.983	-6.138	32.64	48.959
13	M127	Y	-2.072	-3.126	0	6.928
14	M127	Y	-3.126	-5.417	6.928	13.856
15	M127	Y	-5.417	-7.096	13.856	20.785
16	M127	Y	-7.096	-5.179	20.785	27.713
17	M127	Y	-5.179	-1.512	27.713	34.641
18	M128	Y	-2.452	-3.353	0	10.35
19	M128	Y	-3.353	-4.254	10.35	20.7
20	M2	Y	-.958	-4.249	6.4	17.92
21	M2	Y	-4.249	-6.019	17.92	29.44
22	M2	Y	-6.019	-4.478	29.44	40.96
23	M2	Y	-4.478	-2.069	40.96	52.48
24	M2	Y	-2.069	-.586	52.48	64
25	M3	Y	-.146	-3.494	0	12.8
26	M3	Y	-3.494	-5.776	12.8	25.6
27	M3	Y	-5.776	-4.61	25.6	38.4
28	M3	Y	-4.61	-3.054	38.4	51.2
29	M3	Y	-3.054	-2.372	51.2	64
30	M9	Y	-.802	-5.723	6.12	24.48
31	M9	Y	-5.723	-5.83	24.48	42.839
32	M9	Y	-5.83	-1.008	42.839	61.199
33	M1	Y	-.584	-2.067	0	11.52
34	M1	Y	-2.067	-4.47	11.52	23.04
35	M1	Y	-4.47	-6.009	23.04	34.56
36	M1	Y	-6.009	-4.242	34.56	46.08
37	M1	Y	-4.242	-.957	46.08	57.6
38	M6	Y	-2.372	-3.056	0	12.8
39	M6	Y	-3.056	-4.616	12.8	25.6
40	M6	Y	-4.616	-5.775	25.6	38.4
41	M6	Y	-5.775	-3.49	38.4	51.2
42	M6	Y	-3.49	-.146	51.2	64
43	M8	Y	-1.005	-5.838	0	18.36
44	M8	Y	-5.838	-5.731	18.36	36.719
45	M8	Y	-5.731	-.804	36.719	55.079

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in.%]	End Location[in.%]
1	M4	Y	-5.869	-6.973	0	16
2	M4	Y	-6.973	-5.912	16	32
3	M4	Y	-5.912	-4.185	32	48
4	M4	Y	-4.185	-3.959	48	64
5	M5	Y	-.882	-5.562	0	11.52
6	M5	Y	-5.562	-5.495	11.52	23.04
7	M5	Y	-5.495	-3.708	23.04	34.56
8	M5	Y	-3.708	-4.152	34.56	46.08
9	M5	Y	-4.152	-3.801	46.08	57.6
10	M7	Y	-2.421	-4.99	0	16.32
11	M7	Y	-4.99	-8.602	16.32	32.64
12	M7	Y	-8.602	-13.257	32.64	48.959
13	M127	Y	-4.475	-6.753	0	6.928

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[in.%]	End Location[in.%]
14	M127	Y	-6.753	-11.7	6.928	13.856
15	M127	Y	-11.7	-15.327	13.856	20.785
16	M127	Y	-15.327	-11.186	20.785	27.713
17	M127	Y	-11.186	-3.266	27.713	34.641
18	M128	Y	-5.296	-7.242	0	10.35
19	M128	Y	-7.242	-9.188	10.35	20.7
20	M2	Y	-2.07	-9.178	6.4	17.92
21	M2	Y	-9.178	-13.002	17.92	29.44
22	M2	Y	-13.002	-9.672	29.44	40.96
23	M2	Y	-9.672	-4.469	40.96	52.48
24	M2	Y	-4.469	-1.266	52.48	64
25	M3	Y	-.315	-7.546	0	12.8
26	M3	Y	-7.546	-12.475	12.8	25.6
27	M3	Y	-12.475	-9.957	25.6	38.4
28	M3	Y	-9.957	-6.596	38.4	51.2
29	M3	Y	-6.596	-5.123	51.2	64
30	M9	Y	-1.733	-12.362	6.12	24.48
31	M9	Y	-12.362	-12.593	24.48	42.839
32	M9	Y	-12.593	-2.178	42.839	61.199
33	M1	Y	-1.262	-4.464	0	11.52
34	M1	Y	-4.464	-9.656	11.52	23.04
35	M1	Y	-9.656	-12.979	23.04	34.56
36	M1	Y	-12.979	-9.163	34.56	46.08
37	M1	Y	-9.163	-2.068	46.08	57.6
38	M6	Y	-5.124	-6.601	0	12.8
39	M6	Y	-6.601	-9.97	12.8	25.6
40	M6	Y	-9.97	-12.475	25.6	38.4
41	M6	Y	-12.475	-7.538	38.4	51.2
42	M6	Y	-7.538	-.315	51.2	64
43	M8	Y	-2.171	-12.61	0	18.36
44	M8	Y	-12.61	-12.38	18.36	36.719
45	M8	Y	-12.38	-1.736	36.719	55.079

Member Area Loads (BLC 39 : Structure D)

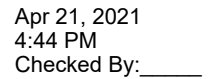
	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N30	N29	N12	N11	Y	Two Way	-5
2	N14	N22	N23	N13	Y	Two Way	-5
3	N12A	N15	N20	N11A	Y	Two Way	-5

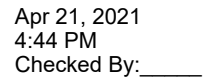
Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N30	N29	N12	N11	Y	Two Way	-10.8
2	N14	N22	N23	N13	Y	Two Way	-10.8
3	N12A	N15	N20	N11A	Y	Two Way	-10.8

Envelope Joint Reactions

Joint		X [lb]		LC	Y [lb]		LC	Z [lb]		LC	MX [k-ft]		LC	MY [k-ft]		LC	MZ [k-ft]		LC
1	N8	max	814.02	3	-1198.579	10	467.888	9	0	51	0	51	0	51	0	51			
2		min	-810.405	9	-3595.363	16	-469.975	3	0	1	0	1	0	1					
3	N72	max	455.2	2	6406.251	12	2191.749	2	0	51	0	51	0	51					
4		min	-475.915	8	-4429.97	6	-2132.78	8	0	1	0	1	0	1					
5	N73	max	1870.836	10	6843.423	6	540.124	11	0	51	0	51	0	51					
6		min	-1810.989	4	-4483.456	12	-560.801	4	0	1	0	1	0	1					

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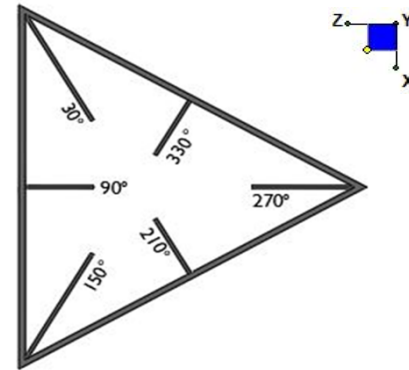


	Member	Shape	Code Check	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [...phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
37	M4	C5X2X.42	.184	2.667	1	.172	18	y	11	57408.435	111041.28	3.45	15.294	2... H1-1b
38	M70	L2x2x4	.176	0	12	.028	0	z	12	19394.312	30585.6	.691	1.577	2... H2-1
39	M6	C5X2X.42	.167	2.667	4	.136	17.333	y	1	57408.435	111041.28	3.45	15.294	2... H1-1b
40	M5	C5X2X.42	.150	61.333	5	.207	46	y	6	57408.435	111041.28	3.45	15.294	1... H1-1b
41	M127	C5X2X.42	.149	17.321	9	.059	7.939	z	4	91526.393	111041.28	3.45	15.294	1... H1-1b
42	M63	L2x2x4	.136	0	4	.025	0	z	5	19394.312	30585.6	.691	1.577	2... H2-1
43	M62	L2x2x4	.121	24	7	.025	0	y	12	19394.312	30585.6	.691	1.545	1... H2-1
44	MP2B	PIPE 2.0	.121	53.333	8	.110	53.333		4	18857.462	32130	1.872	1.872	2... H1-1b
45	M56	L2x2x4	.110	0	8	.023	0	z	8	19394.312	30585.6	.691	1.577	1... H2-1
46	M34	PL3/8x8	.101	10	11	.049	0	y	8	62025.01	97200	.759	15.204	1... H1-1b
47	M69	L2x2x4	.097	0	1	.021	0	y	8	19394.312	30585.6	.691	1.542	1... H2-1
48	MP4A	PIPE 2.0	.094	20	2	.142	20		12	18857.462	32130	1.872	1.872	1... H1-1b
49	MP4C	PIPE 2.0	.094	20	10	.124	20		8	18857.462	32130	1.872	1.872	2... H1-1b
50	MP4B	PIPE 2.0	.091	20	6	.126	20		4	18857.462	32130	1.872	1.872	1... H1-1b
51	M42	PL3/8x8	.091	0	7	.051	0	y	5	62025.01	97200	.759	15.033	1... H1-1b
52	M130	L2x2x4	.090	35.625	12	.005	35.625	y	1	8872.199	30585.6	.691	1.565	2... H2-1
53	M50	PL3/8x8	.088	10	3	.052	0	y	12	62025.01	97200	.759	15.115	1... H1-1b
54	MP2A	PIPE 2.0	.086	53.333	9	.118	53.333		1	18857.462	32130	1.872	1.872	2... H1-1b
55	M55	L2x2x4	.083	26.625	11	.022	0	y	4	19394.312	30585.6	.691	1.539	1... H2-1
56	MP2C	PIPE 2.0	.083	53.333	6	.115	53.333		8	18857.462	32130	1.872	1.872	3... H1-1b
57	M128	C5X2X.42	.078	0	11	.028	3.354	z	6	101972.1...	111041.28	3.45	15.294	4... H1-1b
58	M13	PL3/8x8	.068	0	2	.025	4	y	2	72912.64	97200	.759	16.2	1... H1-1b
59	M61	L1.75X1.75X4	.065	0	10	.009	35	z	4	15136.039	26325	.513	1.177	1... H2-1
60	M14A	PL3/8x8	.065	0	4	.025	0	y	4	72912.64	97200	.759	16.2	1... H1-1b
61	M129	L2x2x4	.061	24.375	11	.004	23.75	z	5	8872.199	30585.6	.691	1.548	1... H2-1
62	MP1C	PIPE 2.0	.060	20	8	.127	20		4	18857.462	32130	1.872	1.872	2... H1-1b
63	MP1B	PIPE 2.0	.057	20	10	.142	20		12	18857.462	32130	1.872	1.872	1... H1-1b
64	M147	PIPE 2.0	.054	18.333	6	.055	7.448		12	24976.126	32130	1.872	1.872	1... H1-1b
65	M121	PIPE 2.0	.054	18.333	12	.050	7.448		2	24976.126	32130	1.872	1.872	1... H1-1b
66	M134A	PIPE 2.0	.054	18.333	6	.054	7.448		4					

I. Mount-to-Tower Connection Check

RISA Model Data

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

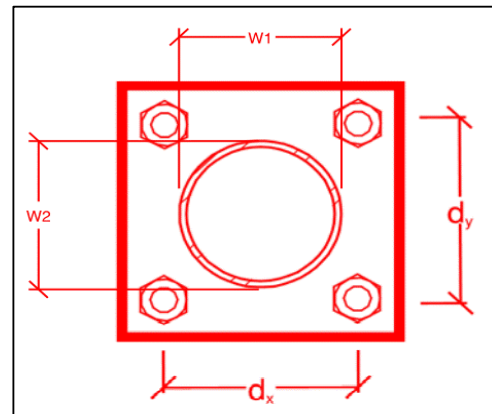
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

no
1
A325N
0.625
1.4
7.1
20.7
12.4
6.5%*
57.5%



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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Purpose – to provide Maser Consulting 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 immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to <https://pmi.vzwsmart.com> as depicted on the drawings

Photo Requirements:

- Base and “During Installation Photos”
 - Base pictures include
 - Photo of Gate Signs showing the tower owner, site name, and number
 - Photo of carrier shelter showing the carrier site name and number if available
 - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
 - “During Installation Photos if provided - must be placed only in this folder
- Photos taken at ground level
 - Overall tower structure before and after installation of the 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.
 - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis

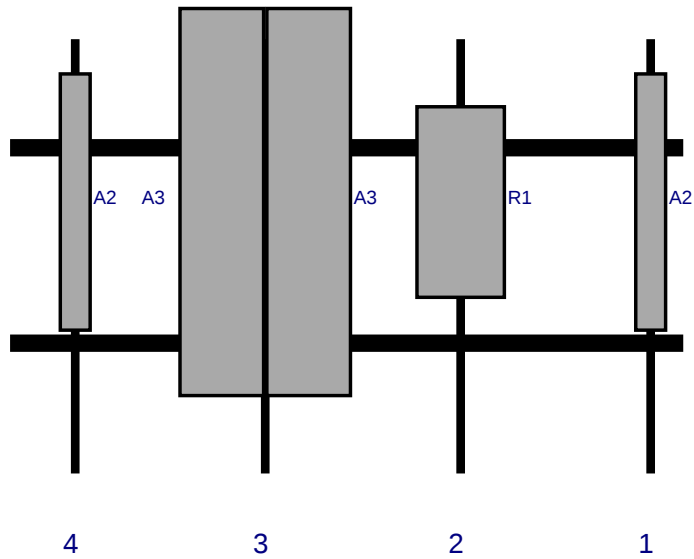
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Schedule A – Photo & Document File Structure

-  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

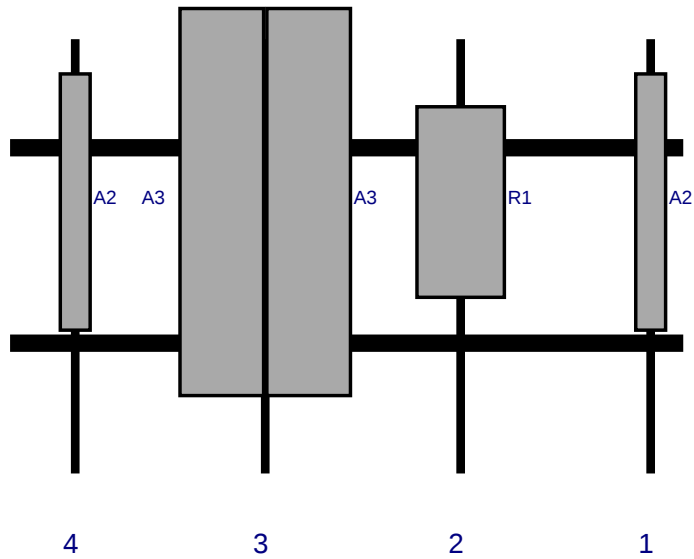
 To Structure

Front View
 Looking at Structure


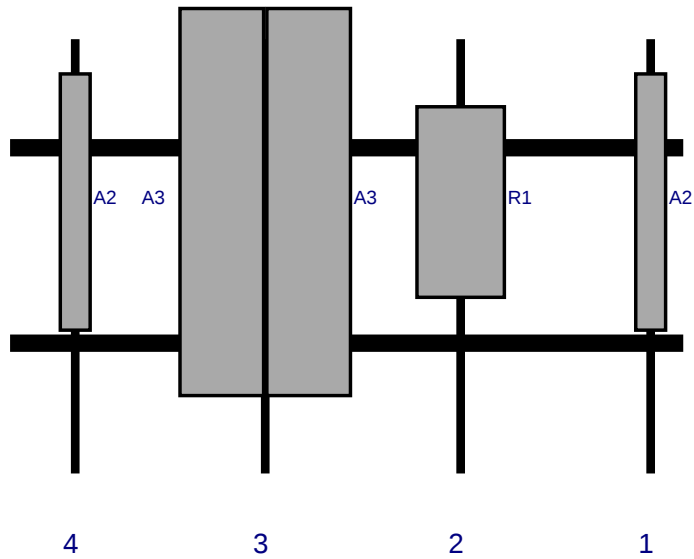
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	LPA-80080/4CF	47.2	5.5	118	1	a	Front	30	0	Retained	03/26/2021
R1	MT6407-77A	35.1	16.1	83	2	a	Front	30	0	Added	
A3	MX0FRO660-03	71.3	15.4	47	3	a	Front	30	8	Retained	03/26/2021
A3	MX0FRO660-03	71.3	15.4	47	3	b	Front	30	-8	Retained	03/26/2021
A2	LPA-80080/4CF	47.2	5.5	12	4	a	Front	30	0	Retained	03/26/2021

Plan View

 To Structure

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
A2	LPA-80080/4CF	47.2	5.5	118	1	a	Front	30	0	Retained	03/26/2021
R1	MT6407-77A	35.1	16.1	83	2	a	Front	30	0	Added	
A3	MX0FRO660-03	71.3	15.4	47	3	a	Front	30	8	Retained	03/26/2021
A3	MX0FRO660-03	71.3	15.4	47	3	b	Front	30	-8	Retained	03/26/2021
A2	LPA-80080/4CF	47.2	5.5	12	4	a	Front	30	0	Retained	03/26/2021

Plan View
 To Structure
**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
A2	LPA-80080/4CF	47.2	5.5	118	1	a	Front	30	0	Retained	03/26/2021
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A3	MX0FRO660-03	71.3	15.4	47	3	b	Front	30	-8	Retained	03/26/2021
A2	LPA-80080/4CF	47.2	5.5	12	4	a	Front	30	0	Retained	03/26/2021

Maser Consulting Connecticut

Subject

TIA-222-H Usage

Site Information

Site ID:	468393-VZW / CHESTER CT
Site Name:	CHESTER CT
Carrier Name:	Verizon Wireless
Address:	49 Wig Hill Rd Chester, Connecticut 06412 Middlesex County
Latitude:	41.403869°
Longitude:	-72.472450°

Structure Information

Tower Type:	Monopole
Mount Type:	10.33-Ft Platform

To Whom It May Concern,

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

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

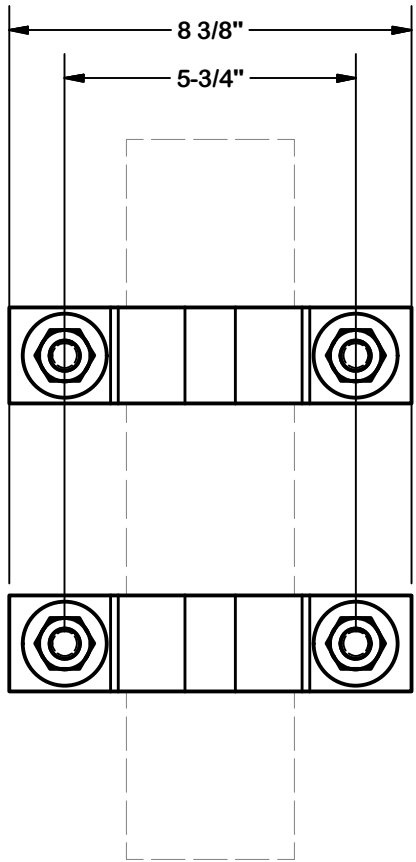
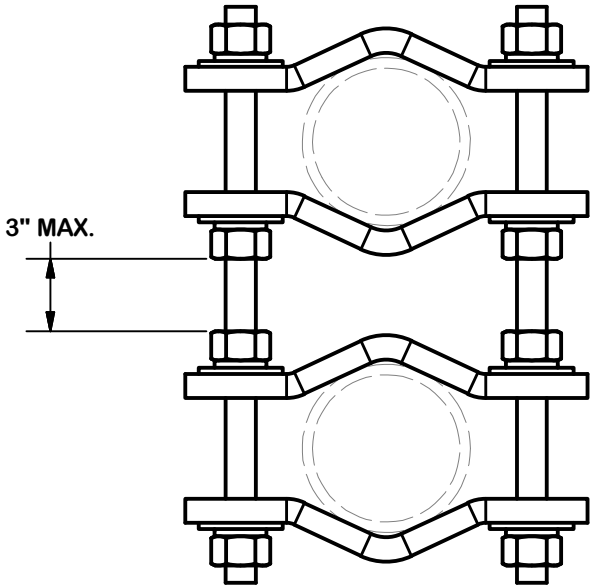
As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H Standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates 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.

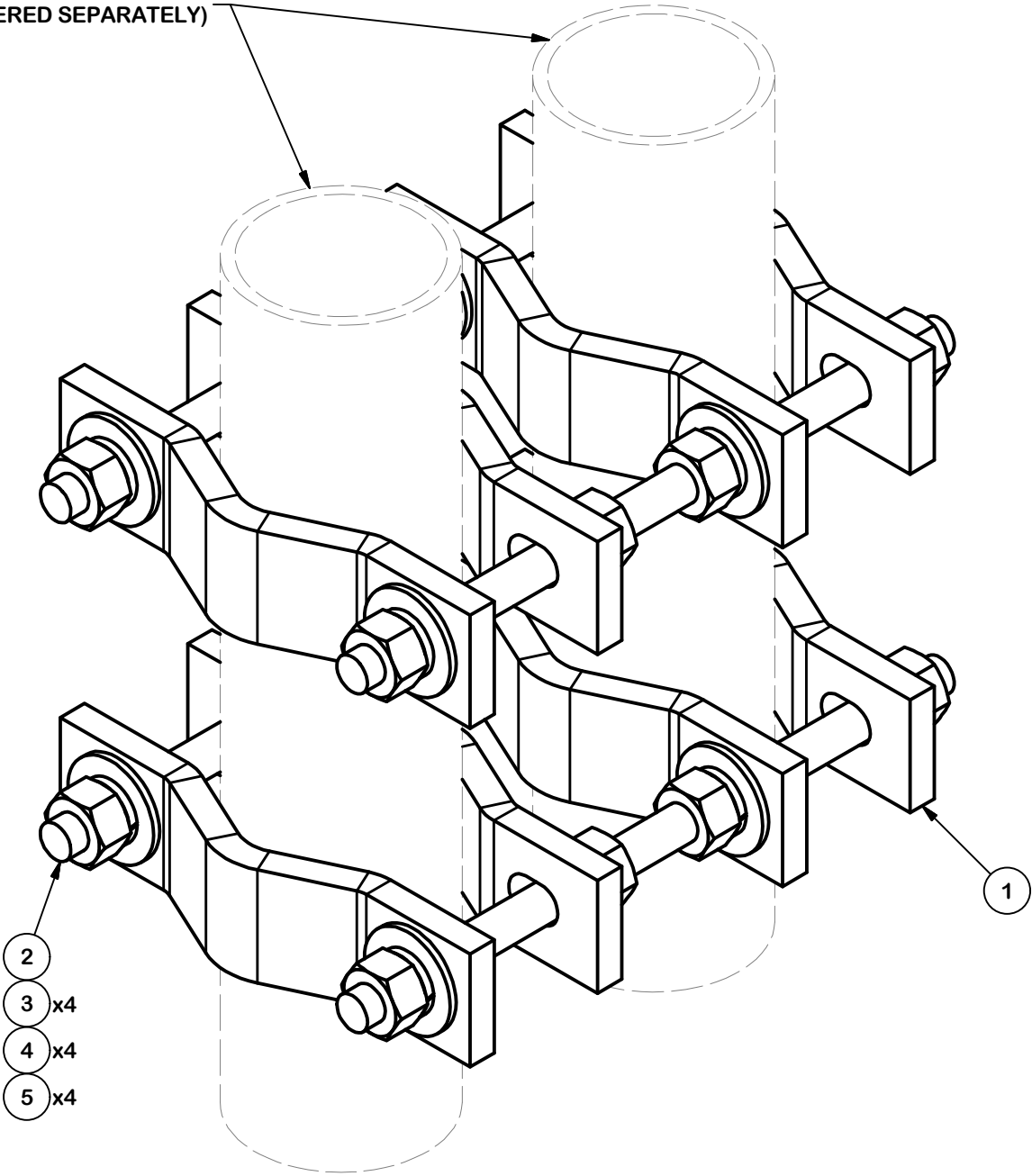
Sincerely,

Taqi Khawaja, PE
Technical Manager

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	8	VCP	1/2" x 2" FLAT STOCK (A36)	8 21/32 in	2.44	19.56
2	4	G58R-12	5/8" x 12" THREADED ROD (HDG.)		1.05	4.18
3	16	G58FW	5/8" HDG USS FLATWASHER		0.07	1.13
4	16	G58LW	5/8" HDG LOCKWASHER		0.03	0.42
5	16	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	2.08
TOTAL WT. #						27.36



FITS 1.66" TO 4-1/2" OD PIPE
(ORDERED SEPARATELY)



Valmont Site Pro 1
Paula.Boswell@valmont.com
(972) 236-9843
www.sitepro1.com

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

PROPRIETARY NOTE:
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION		
PIPE TO PIPE CLAMP SET		

CPD NO.		DRAWN BY	ENG. APPROVAL
		JFS 3/23/2020	3RD PARTY
CLASS	SUB	DRAWING USAGE	CHECKED BY
87	02	CUSTOMER	BMC 5/8/2020

SITE
PRO

1

A valmont COMPANY

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

Engineering
Support Team:
1-888-753-7446

PART NO.	VZWSMART-MSK3	1 OF 1 PAGE
DWG. NO.	VZWSMART-MSK3	

Exhibit F

Power Density/RF Emissions Report

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

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	609	2437	141	0.0044	0.5007	0.88%
VZW CDMA	878.49	2	318	637	140.1	0.0012	0.5857	0.20%
VZW Cellular	874	4	609	2437	141	0.0044	0.5827	0.76%
VZW PCS	1975	4	1428	5713	141	0.0103	1.0000	1.03%
VZW AWS	2120	4	1530	6122	141	0.0111	1.0000	1.11%
VZW CBAND	3730.08	4	6531	26125	141	0.0473	1.0000	4.73%
Total Percentage of Maximum Permissible Exposure								8.70%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

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

MHz = Megahertz

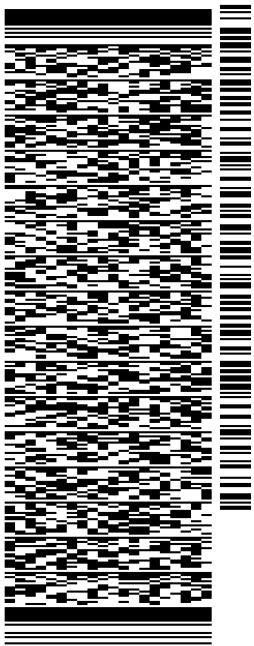
mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

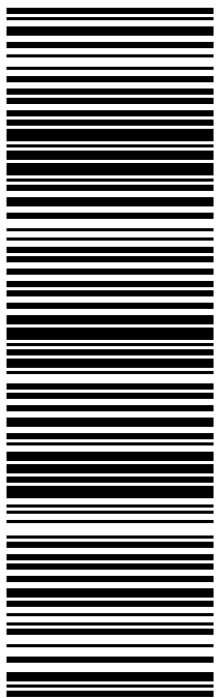
Absolute worst case maximum values used.

ORIGIN ID: QFMA (551) 804-0667 ERSILA DAVIS 1777 SENTRY PARKWAY VEVA 17, SUITE 210 BLUE BELL, PA 19422 UNITED STATES US	SHIP DATE: 14OCT21 ACTWGT: 1.00 LB CAD: 108980334INET4400 BILL SENDER
--	--

TO MELANIE A. BACHMAN CONNECTICUT SITING COUNCIL 10 FRANKLIN SQUARE	NEW BRITAIN CT 06051 (860) 827-2935 INV: PO: DEPT:
--	---

REF: 100788/CSC 800515 	
--	--

TRK# 2848 8767 0027 0201	FRI - 15 OCT 10:30A PRIORITY OVERNIGHT
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EB BDLA CT-US BDL 06051	
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56DJ3/14BA/FE4A

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

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14417

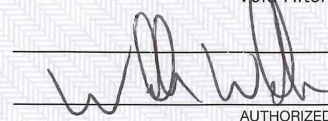
Network Building & Consulting LLC SA1177 Sentry Parkway West, VEVA 17, Suite 400
Blue Bell, PA 19422
(410)712-7092**TRUIST** BB&T is now Truist
65-330/550

CHECK DATE

10/13/2021

PAY Six Hundred Twenty Five and 0/100 Dollars**TO** Connecticut Siting Council**AMOUNT** \$625.00

VOID After 6 Months



AUTHORIZED SIGNATURE

⑈000 144 17⑈ ⑆055003308⑆ 1210000891825⑈

Network Building & Consulting LLC SA

14417

Network Building & Consulting, LLC

Check Date: 10/13/2021

Check Request#: CR010612

Project /Site ID: 100788/ 1108

Site Name: 800515

Purpose: Admin Zoning Fee

Memo 1: Building permit fee for Crown Castle 800515 APP 552629 49 Wig Hill Road
Chester, Connecticut 06412

Please contact Ersilia Davis 551-804-0667, edavis@nbcllc.com with any questions

Memo 2:

Memo 3:

Memo 4:

14417

