



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

May 5, 2023

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

RE: **Notice of Exempt Modification for Verizon Wireless**
Crown Site ID# 806953; Verizon Site ID# 468411
69 Guinea Rd (Camp Rocky Craig), Stamford, CT 06057
Latitude: 41.101763 /Longitude: -73.594847

Dear Ms. Bachman:

Verizon currently maintains (15) antennas at the 141-foot mounts on the existing 160-foot Monopole Tower located at **69 Guinea Rd (Camp Rocky Craig), Stamford**. The property is owned by the Girl Scouts of Connecticut, and the tower is owned by Crown Castle. Verizon now intends to remove and replace (9) 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 AND REPLACE

- (6) RYMSA – MG D3-800T0 (210751) (**REMOVE**) (6) JMA MX06FRO860 antennas (**REPLACE**)
- (3) Powerwave P65-16-XL-2 Antennas (**REMOVE**); (3) Samsung MT6407-77A antennas with integrated radios (**REPLACE**)
- (3) Nokia UHID B4 RRHs (**REMOVE**); (3) Samsung B5/B13 RRHs (**REPLACE**)
- (3) Nokia UHBA B13 RRHs (**REMOVE**); (3) Samsung B2/B66A RRHs (**REPLACE**)
- (1) RFS DB-11-6Z-8AB-0Z OVP (**REMOVE**); (1) Raycap RVZDC-6627-PF-48 OVP (**REPLACE**)
- (1) hybrid cable 1-1/4" (**REMOVE**); (1) hybrid cable 1-5/8" (**REPLACE**)
- (6) RFS FD9R6004/ 2C-3L Diplexers (**REMOVE**)

INSTALL

New dual antenna mounting brackets

Ground:

N/A



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This facility was approved by the Connecticut Siting Council, Docket No. 180 on April 2, 1998

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 Mayor Caroline Simmons, City of Stamford; James Lunney III, Chief Zoning Enforcement Officer; and The Girl Scouts of Connecticut, 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 Wireless respectfully submits that the proposed modifications to the above- reference telecommunications facility constitutes an exempt modification under R.C.S.A. §16-50j-72(b)(2).

Ersilia Davis

Sincerely,
Ersilia Davis
Crown Castle, Agent for Verizon Wireless
edavis@nbcllc.com
(551) 804-0667

cc:

Mayor Caroline Simmons, Elected Official
Stamford Government Center
10th Floor
888 Washington Boulevard
Stamford, CT 06901



1 Cityplace Dr, Suite 490
Creve Coeur, MO 63141

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

James Lunney III, Chief Zoning Enforcement Officer
Stamford Government Center
7th Floor
888 Washington Boulevard
Stamford, CT 06901

Girl Scouts of Connecticut, Property Owner
340 Washington Street
Hartford, CT 06106

Crown Castle, Tower Owner

FedEx® Tracking



DELIVERED

Monday

5/8/2023 at 10:30 am

Signed for by: L.CRUZ

[Obtain Proof of delivery](#)

How was your delivery?



DELIVERY STATUS

Delivered



TRACKING ID

772062362860

FROM
Ersilia Davis
1777 Sentry Parkway VEVA 17, Suite 210
Blue Bell, PA US 19422
5518040667

Label Created
5/5/2023 2:11 PM

PACKAGE RECEIVED BY FEDEX
NEWBURGH, NY
5/5/2023 6:36 PM

IN TRANSIT
STAMFORD, CT
5/8/2023 7:07 AM

OUT FOR DELIVERY
STAMFORD, CT
5/8/2023 7:32 AM

DELIVERED
James Lunney III
City of Stamford
888 Washington Boulevard 8 FL Stamford Government Center
STAMFORD, CT US 06901
2039774140

Delivered
5/8/2023 at 10:30 AM

FedEx® Tracking



DELIVERED

Monday

5/8/2023 at 10:30 am

Signed for by: L.CRUZ

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How was your delivery?



DELIVERY STATUS

Delivered 



TRACKING ID

772062305680   

FROM

Ersilia Davis
1777 Sentry Parkway VEVA 17, Suite 210
Blue Bell, PA US 19422
5518040667

Label Created
5/5/2023 2:08 PM

PACKAGE RECEIVED BY FEDEX

NEWBURGH, NY
5/5/2023 6:36 PM

IN TRANSIT

STAMFORD, CT
5/8/2023 7:07 AM

OUT FOR DELIVERY

STAMFORD, CT
5/8/2023 7:31 AM

DELIVERED

Mayor Caroline Simmons
City of Stamford
888 Washington Boulevard, 10Fl Stamford Government Center
STAMFORD, CT US 06901
2039774140

Delivered
5/8/2023 at 10:30 AM

FedEx® Tracking

DELIVERED

Tuesday

5/9/2023 at 10:24 am

Signature release on file
Package delivered to recipient address

[↓](#) Obtain Proof of delivery

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DELIVERY STATUS

Delivered

TRACKING ID

772062217258

FROM
Ersilia Davis
1777 Sentry Parkway VEVA 17, Suite 210
Blue Bell, PA US 19422
5518040667

Label Created
5/5/2023 2:02 PM

PACKAGE RECEIVED BY FEDEX
NEWBURGH, NY
5/5/2023 6:36 PM

IN TRANSIT
WINDSOR LOCKS, CT
5/9/2023 7:19 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
5/9/2023 8:37 AM

DELIVERED
Girl Scouts of Connecticut
340 Washington Street
HARTFORD, CT US 06106
8009222770

Delivered
5/9/2023 at 10:24 AM

[↓](#) View travel history

Want updates on this shipment? Enter your email and we will do the rest!

Exhibit A

Original Facility Approval



CONNECTICUT SITING COUNCIL

Filing Guides

Meetings & Minutes

Public Participation

Audio Link to New Britain Hearing Rooms

Programs & Services

Telecommunications Database

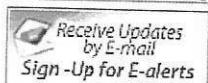
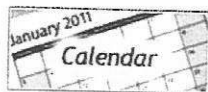
Maps

Publications

Other Resources

Statutes & Regulations

Frequently Asked Questions



Regulations of CT State Agencies



Melanie Bachman,
Executive Director

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DOCKET NO. 180 - 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 immediately north of the Merritt Parkway off Guinea Road (prime and alternate one sites), or 141 Den Road (alternate two site) in Stamford, Connecticut.

Connecticut Siting Council

April 2, 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 tower and equipment buildings at the proposed prime site in Stamford, 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 prime site, located within a 28-acre parcel at Guinea Road, Stamford, Connecticut. We find the effects on scenic resources and adjacent land uses of the first alternate site and second alternate site to be significant, and therefore deny certification of these sites.

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 PCS (Sprint), and Nextel Communications of the Mid-Atlantic, Inc. (Nextel); and such tower shall not exceed a height of 160 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: adjustment of the tower location within the leased parcel to protect a nearby stream and minimize grade; 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 ground water 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 reapplication for any continued or new use shall be made 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 cease 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 and Stamford Advocate.

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

Bell Atlantic Mobile

ITS REPRESENTATIVE

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

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

ITS REPRESENTATIVE

Elias A. Alexiades
John W. Knuff
Harris, Beach & Wilcox, LLP
147 North Broad Street
Milford, CT 06460

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

Springwich Cellular Limited Partnership

Peter J. Tyrrell, Esq.
General Counsel
500 Enterprise Drive
Rocky Hill, CT 06067-3900

PARTIES

Charles H. Nobs, Maurice Lucas, and
Ben and Myrna Raphan

ITS REPRESENTATIVE

Jeffrey J. Mirman, Esq.
Levy & Droney, P.C.
P.O. Box 887
Farmington, CT 06034

Content Last Modified on 8/9/2002 1:30:07 PM

Ten Franklin Square New Britain, CT 06051 / 860-827-2935

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CT.gov

Exhibit B

Property Card

69 GUINEA ROAD

Location 69 GUINEA ROAD

Mblu 002/ 6848/ / /

Acct# 002-6848

Owner GIRL SCOUTS OF
CONNECTICUT INC

Assessment \$1,028,420

Appraisal \$1,469,120

PID 24323

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2020	\$461,570	\$1,007,550	\$1,469,120
Assessment			
Valuation Year	Improvements	Land	Total
2020	\$323,130	\$705,290	\$1,028,420

Owner of Record

Owner GIRL SCOUTS OF CONNECTICUT INC
Co-Owner
Address 340 WASHINGTON STREET
HARTFORD, CT 06106-3317

Sale Price \$0
Book & Page 9322/0308
Sale Date 04/16/2008
Instrument 25

Ownership History

Ownership History				
Owner	Sale Price	Book & Page	Instrument	Sale Date
GIRL SCOUTS OF CONNECTICUT INC	\$0	9322/0308	25	04/16/2008
GIRL SCOUT COUNCIL SW CT INC	\$0	4405/0321		05/12/1995
SOUTHWESTERN CT GIRL SCT	\$0	1035/0131	25	12/29/1964

Building Information

Building 1 : Section 1

Year Built: 1963
Living Area: 1,960

Building Attributes

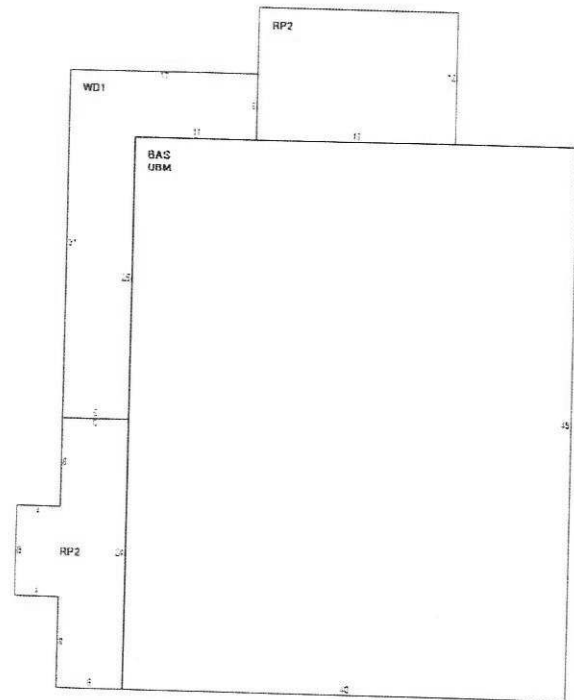
Field	Description
Style:	Ranch
Model	Residential
Grade:	C+
Stories:	1 Story
Occupancy	1
Exterior Wall 1	Cement fiberbd
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Drywall
Interior Wall 2	
Interior Flr 1	Hardwood
Interior Flr 2	
Heat Fuel	Electric
Heat Type:	Electr Basebrd
AC Type:	Central
Total Bedrooms:	00
Total Bthrms:	1
Total Half Baths:	0
Total Xtra Fixtrs:	3
Total Rooms:	4
Bath Style:	Average
Kitchen Style:	Typical
Fireplace Msnry.	
Fpl. Gas/Prefab	1
Fpl. Outdoor	
Fpl. Addnl. Open	
Bsmt. Garage	
Num Park	
Fireplaces	
Fndtn Cndtn	
Basement	

Building Photo



(<http://images.vgsi.com/photos/StamfordCTPhotos/\00\11\94\79.jpg>)

Building Layout



(ParcelSketch.ashx?pid=24323&bid=24323)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	1,960	1,960
RP2	Porch Covered	392	0
UBM	Basement, Unfinished	1,960	0
WD1	Deck, Wood	252	0
		4,564	1,960

Extra Features

Extra Features

Legend

Code	Description	Size	Value	Bldg #
RP2	Porch Coverd	1056.00 S.F	\$28,050	1
RP2	Porch Coverd	756.00 S.F	\$20,080	1
RP2	Porch Coverd	672.00 S.F	\$17,850	1
RP2	Porch Coverd	216.00 S.F	\$5,740	1
RP2	Porch Coverd	176.00 S.F	\$4,670	1

Land

Land Use

Use Code 901
 Description Exmpt Res MDL-01
 Zone RA3
 Neighborhood 1100
 Alt Land Appr No
 Category

Land Line Valuation

Size (Acres) 16.86
 Depth
 Assessed Value \$705,290
 Appraised Value \$1,007,550

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
FC1	Shed Wood			240.00 S.F.	\$2,880	1
MS1	Misc Structure			528.00 S.F.	\$3,170	1
WD1	Wood Deck			252.00 S.F.	\$5,480	1
CEL1	Cell Tower			1.00 SITES	\$146,250	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$461,570	\$1,007,550	\$1,469,120
2018	\$461,570	\$1,007,550	\$1,469,120
2017	\$461,570	\$1,007,550	\$1,469,120

Assessment			
Valuation Year	Improvements	Land	Total
2019	\$323,130	\$705,290	\$1,028,420
2018	\$323,130	\$705,290	\$1,028,420
2017	\$323,130	\$705,290	\$1,028,420

69 Guinea Rd



69 Guinea Rd

- Directions
- Save
- Nearby
- Send to your phone
- Share

69 Guinea Rd, Stamford, CT 06903

Exhibit C

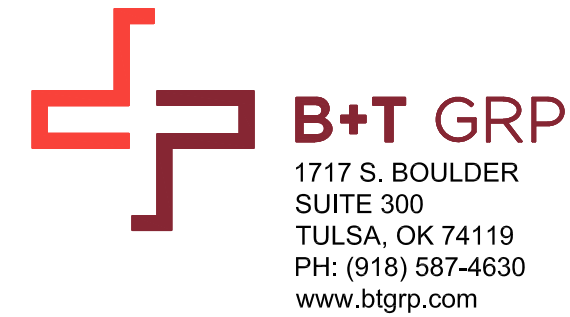
Construction Drawings



VERIZON SITE NUMBER: 468411
VERIZON SITE NAME: RIVERBANK CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 160'-0"

BUSINESS UNIT #: 806953
SITE ADDRESS: 69 GUINEA RD (CAMP ROCKY CRAIG)
STAMFORD, CT 06903
COUNTY: FAIRFIELD
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 850 ADD



VERIZON SITE NUMBER:
468411

BU #: 806953
BRG 2044 (A) 943097

69 GUINEA RD (CAMP
ROCKY CRAIG)
STAMFORD, CT 06903

EXISTING 160'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	1/9/23	YX	CONSTRUCTION	LR

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 (9) ANTENNAS
- REMOVE (1) HYBRID CABLE
- REMOVE (6) DIPLEXERS
- REMOVE (6) RADIOS
- REMOVE (1) OVP
- INSTALL (6) ANTENNAS
- INSTALL (3) DUAL ANTENNA MOUNTING BRACKETS
- INSTALL (3) ANTENNAS W/INTEGRATED RRHS
- INSTALL (6) RADIOS
- INSTALL (1) OVP
- INSTALL (1) HYBRID CABLE
- INSTALL MOUNT MODIFICATIONS PER MOUNT MODIFICATION DRAWINGS BY MASER CONSULTING DATED 7/28/22

GROUND SCOPE OF WORK:

- NONE

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

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
ATTACHED	MOUNT MODIFICATION DRAWINGS

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	10157070
VzW LOCATION CODE (PSLC)	468411

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

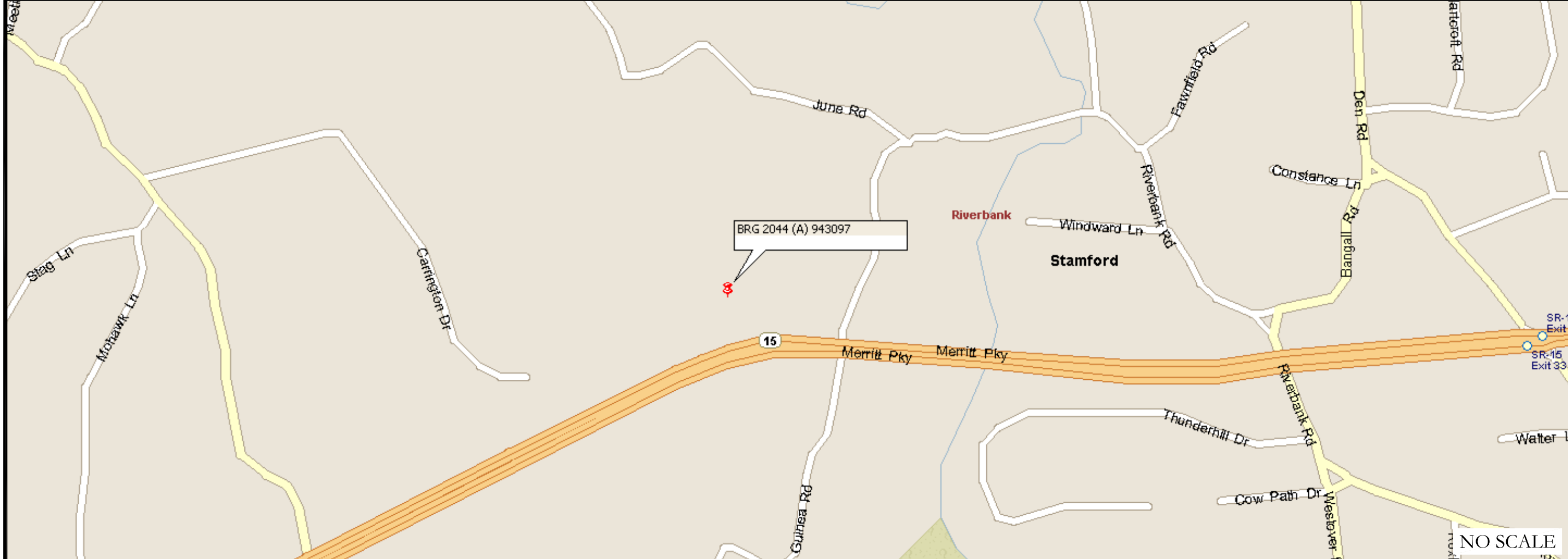
MOUNT MODIFICATION REQUIRED

Y

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DRIVING DIRECTIONS FROM JOHN F. KENNEDY INTERNATIONAL AIRPORT (QUEENS, NY 11430):
GET ON I-678 N FROM 130TH PL, HEAD SOUTH ON I-678 S, TAKE EXIT B TOWARD 130TH PL, KEEP RIGHT AT THE Y JUNCTION AND MERGE WITH 130TH PL, TURN RIGHT ONTO BERGEN RD, AT FEDERAL CIR, TAKE THE 5TH EXIT ONTO THE I-678 RAMP TO AIRPORT/NY-878/NY-27/BELT PKWY, FOLLOW I-678 N AND HUTCHINSON RIVER PKWY N TO CT-15 S IN STAMFORD, MERGE WITH I-678 N, KEEP RIGHT TO CONTINUE ON I-678 N/VAN WYCK EXPY, FOLLOW SIGNS FOR WHITESTONE BRG, KEEP RIGHT TO STAY ON I-678 N, FOLLOW SIGNS FOR WHITESTONE BRIDGE/BRONX, CONTINUE ONTO HUTCHINSON RIVER PKWY N, KEEP RIGHT AT THE Y JUNCTION TO STAY ON HUTCHINSON RIVER PKWY N, CONTINUE ONTO CT-15 N, USE THE LEFT 2 LANES TO TURN SHARPLY RIGHT TO STAY ON CT-15 N, TAKE EXIT 34 FOR CT-104/LONG RIDGE ROAD, TURN LEFT ONTO CT-104 N/LONG RIDGE RD, TURN RIGHT TO MERGE WITH CT-15 S TOWARD N.Y.CITY.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: BLACK & VEATCH CORP.

DATED: 5/18/22

MOUNT ANALYSIS: MASER CONSULTING CONNECTICUT

DATED: 7/28/22

RFDS REVISION: 1

DATED: 4/15/22

ORDER ID: 618054

REVISION: 0

INSTALLER NOTE:

NO PROPOSED LOADING TO BE ADDED UNTIL MOUNT MODIFICATIONS ARE INSTALLED PER MOUNT MODIFICATION DRAWINGS BY MASER CONSULTING DATED 7/28/22.



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



MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/23

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

SHEET NUMBER:

T-1

REVISION:

0

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

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

ELECTRICAL INSTALLATION NOTES:

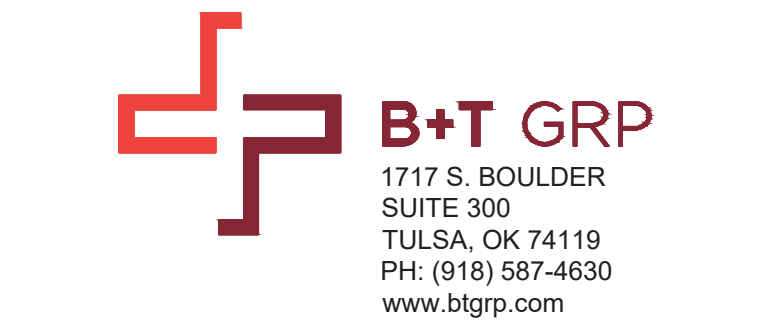
1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
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 TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP–STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC 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 NEW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD 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 EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY–COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY–COATED OR NON–CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "VERIZON".
30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE		
SYSTEM	CONDUCTOR	COLOR
120/240V, 1Ø	A PHASE	BLACK
	B PHASE	RED
	NEUTRAL	WHITE
	GROUND	GREEN
120/208V, 3Ø	A PHASE	BLACK
	B PHASE	RED
	C PHASE	BLUE
	NEUTRAL	WHITE
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



VERIZON SITE NUMBER:
468411

BU #: 806953
BRG 2044 (A) 943097

69 GUINEA RD (CAMP
ROCKY CRAIG)
STAMFORD, CT 06903

EXISTING 160'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	1/9/23	YX	CONSTRUCTION	LR



MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/23

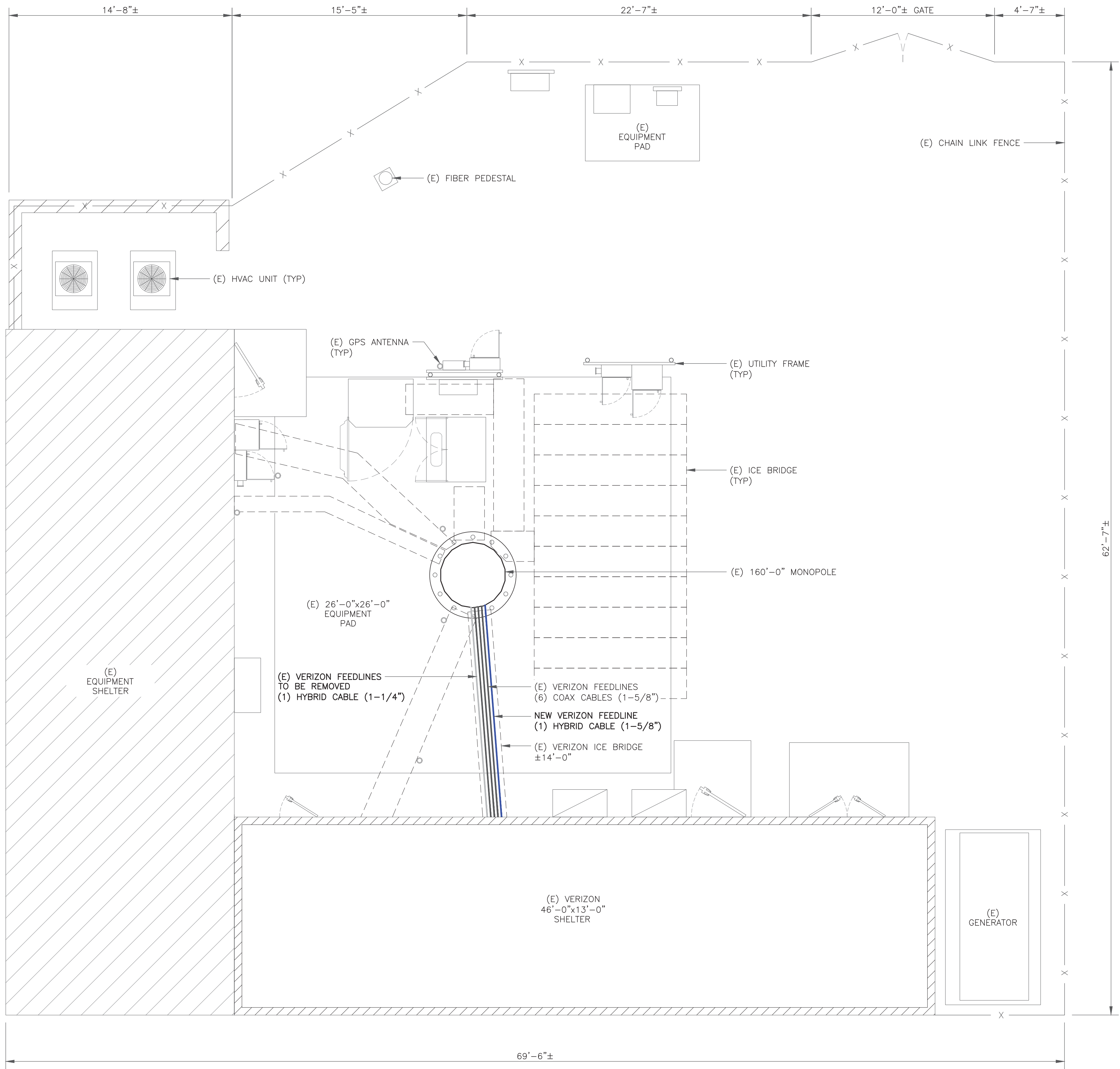
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OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

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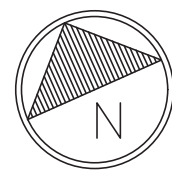
T-2

REVISION:

0



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



verizon

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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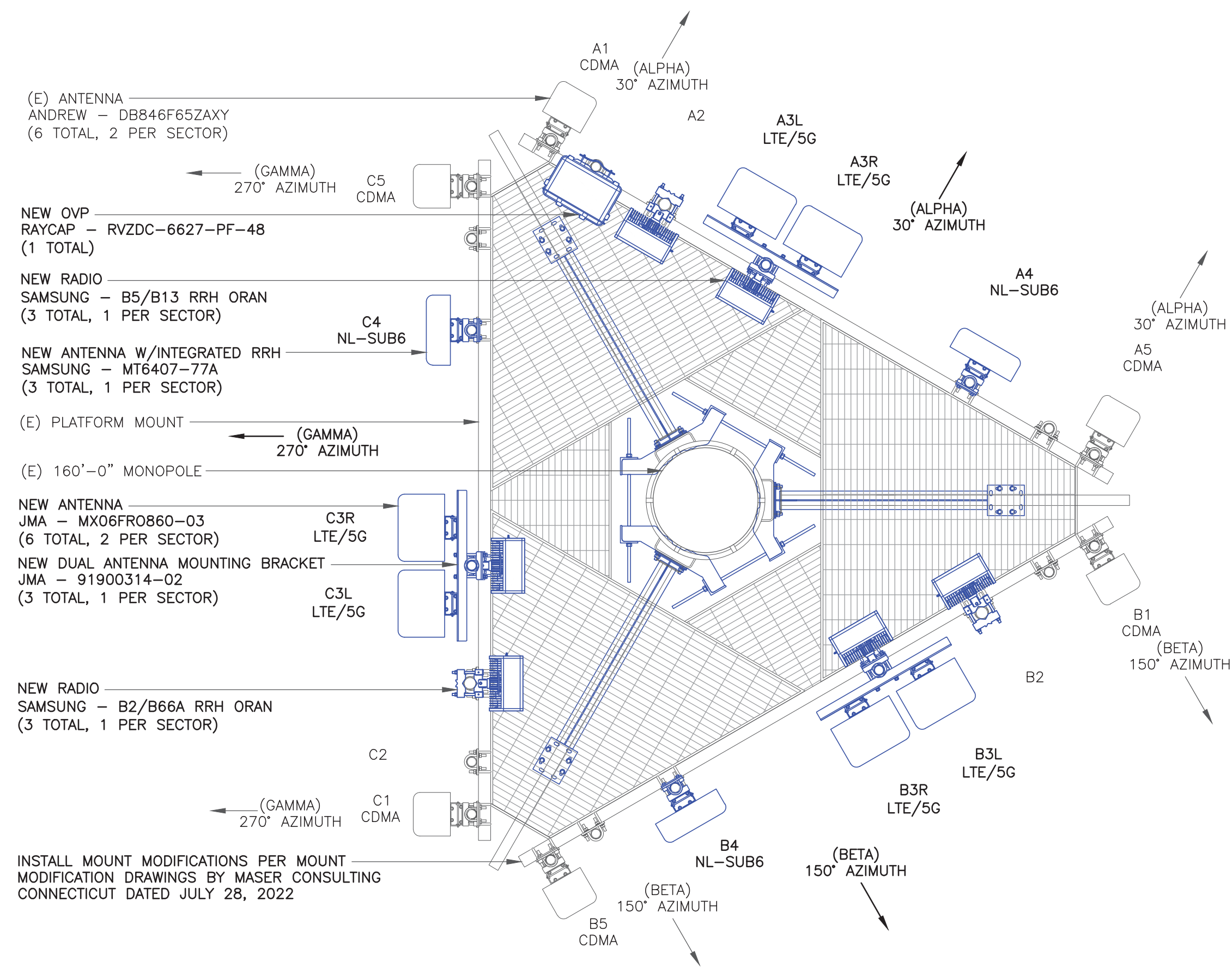
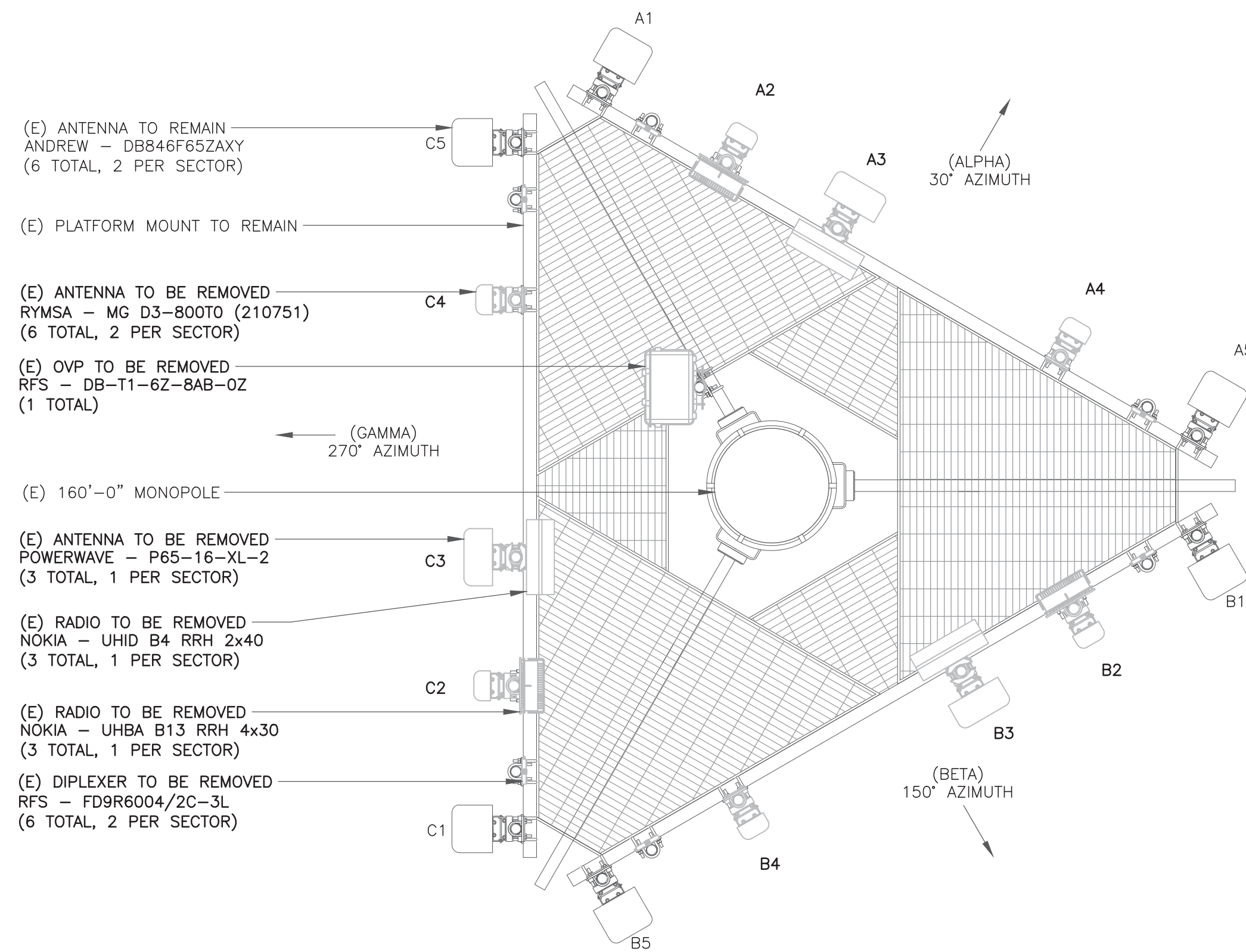
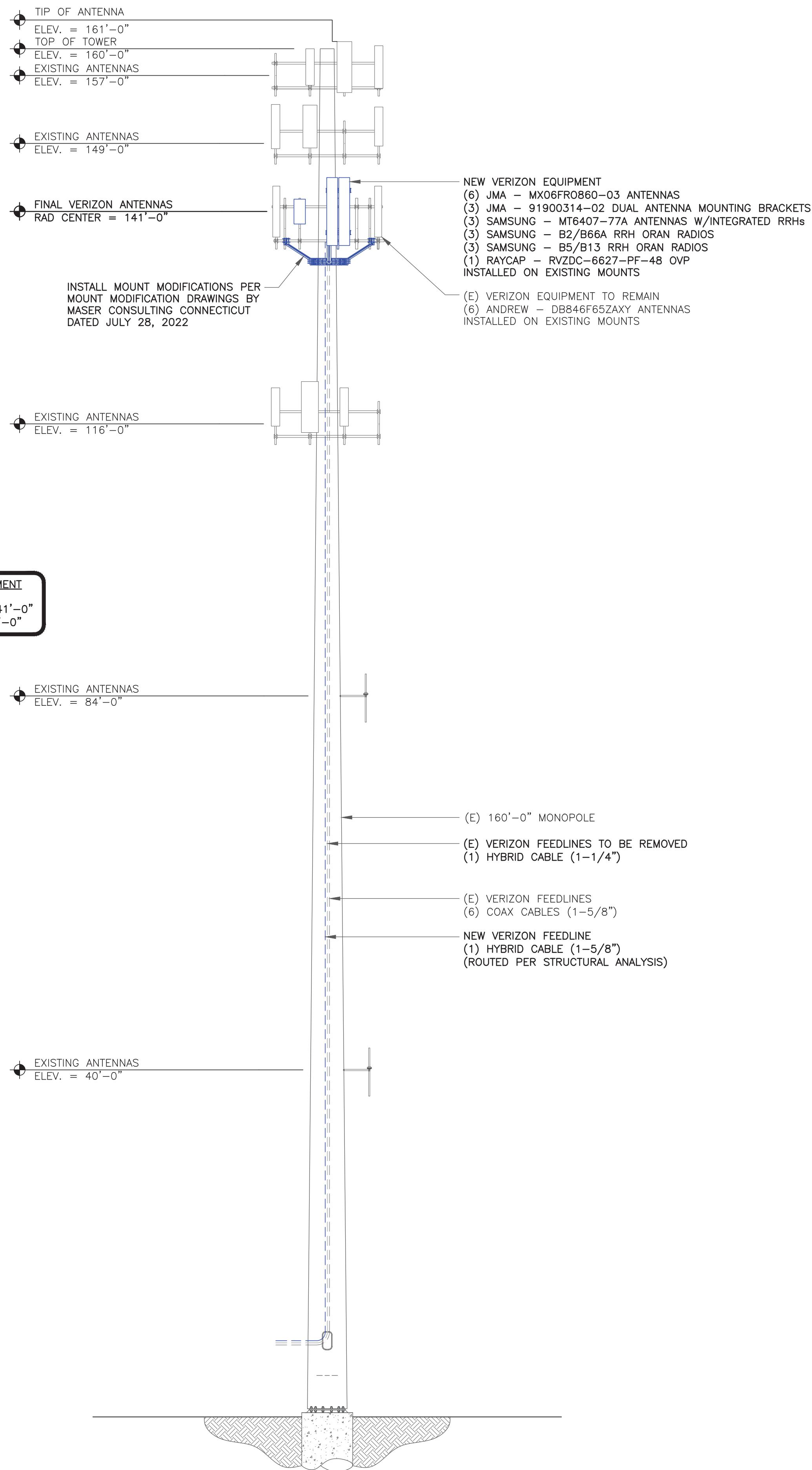
SHEET NUMBER:

C-1

REVISION:

0

VERIZON EQUIPMENT
ANTENNA CL: 141'-0"
MOUNT CL: 139'-0"



verizon

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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:
468411

BU #: 806953
BRG 2044 (A) 943097

69 GUINEA RD (CAMP
ROCKY CRAIG)
STAMFORD, CT 06903

EXISTING 160'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	1/9/23	YX	CONSTRUCTION	LR



MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/23

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SHEET NUMBER:

C-2

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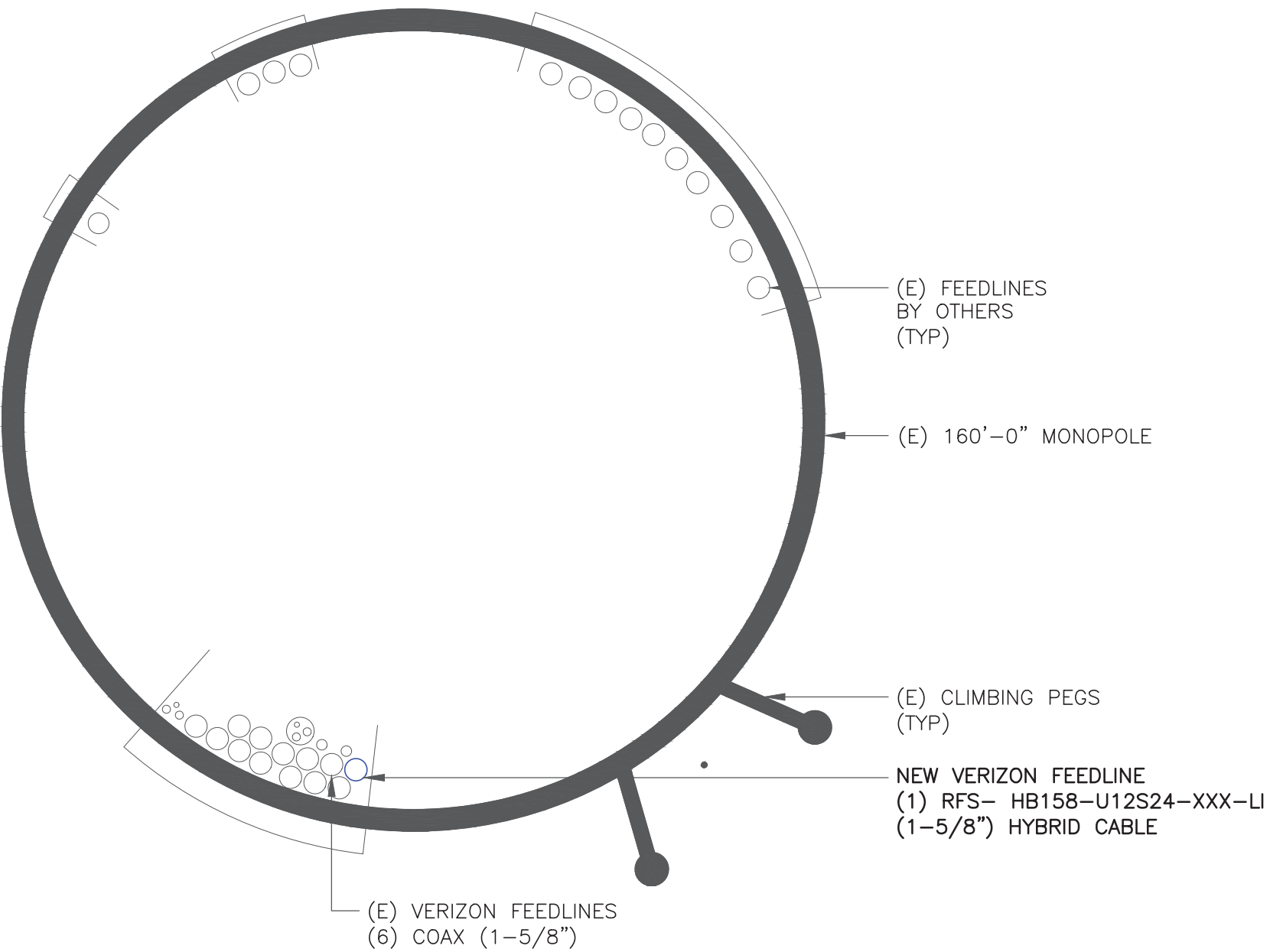
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ANTENNA/RRH SCHEDULE									
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	EXISTING	ANDREW	DB846F65ZAXY 8690	141'–0"	30°	0°	0°	–	–
–	NEW	OCCUPIED BY OVP BOX	–	–	–	–	–	RAYCAP	(1) RVZDC–6627–PF–48
A2	EXISTING	OCCUPIED BY RRU	–	–	–	–	–	–	–
A3L	NEW	JMA	MX06FRO860–03	141'–0"	30°	0°	2°/2°/2°/0°/0°	SAMSUNG	(1) B5/B13 RRH ORAN
A3R	NEW	JMA	MX06FRO860–03	141'–0"	30°	0°	2°/2°/2°/0°/0°	SAMSUNG	(1) B2/B66A RRH ORAN
A4	NEW	SAMSUNG	MT6407–77A	141'–0"	30°	0°	6°	INTEGRATED ANTENNA	–
A5	EXISTING	ANDREW	DB846F65ZAXY 8690	141'–0"	30°	0°	0°	–	–
B1	EXISTING	ANDREW	DB846F65ZAXY 8690	141'–0"	150°	2°	0°	–	–
B2	EXISTING	OCCUPIED BY RRU	–	–	–	–	–	–	–
B3L	NEW	JMA	MX06FRO860–03	141'–0"	150°	0°	2°/2°/2°/0°/0°	SAMSUNG	(1) B5/B13 RRH ORAN
B3R	NEW	JMA	MX06FRO860–03	141'–0"	150°	0°	2°/2°/2°/0°/0°	SAMSUNG	(1) B2/B66A RRH ORAN
B4	NEW	SAMSUNG	MT6407–77A	141'–0"	150°	0°	6°	INTEGRATED ANTENNA	–
B5	EXISTING	ANDREW	DB846F65ZAXY 8690	141'–0"	150°	2°	0°	–	–
C1	EXISTING	ANDREW	DB846F65ZAXY 8690	141'–0"	270°	0°	0°	–	–
C2	EXISTING	OCCUPIED BY RRU	–	–	–	–	–	–	–
C3L	NEW	JMA	MX06FRO860–03	141'–0"	270°	0°	2°/2°/2°/0°/0°	SAMSUNG	(1) B5/B13 RRH ORAN
C3R	NEW	JMA	MX06FRO860–03	141'–0"	270°	0°	2°/2°/2°/0°/0°	SAMSUNG	(1) B2/B66A RRH ORAN
C4	NEW	SAMSUNG	MT6407–77A	141'–0"	270°	0°	6°	INTEGRATED ANTENNA	–
C5	EXISTING	ANDREW	DB846F65ZAXY 8690	141'–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"	192'–0"±	6
NEW	HYBRID	1–5/8"	192'–0"±	1
TOTAL CABLE QTY:				7



2

BASE LEVEL DETAIL
SCALE: NOT TO SCALE





180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921



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SUITE 300
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VERIZON SITE NUMBER:
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BU #: **806953**
BRG 2044 (A) 943097

69 GUINEA RD (CAMP
ROCKY CRAIG)
STAMFORD, CT 06903

EXISTING 160'-0"
MONOPOLE

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0	1/9/23	YX	CONSTRUCTION	LR

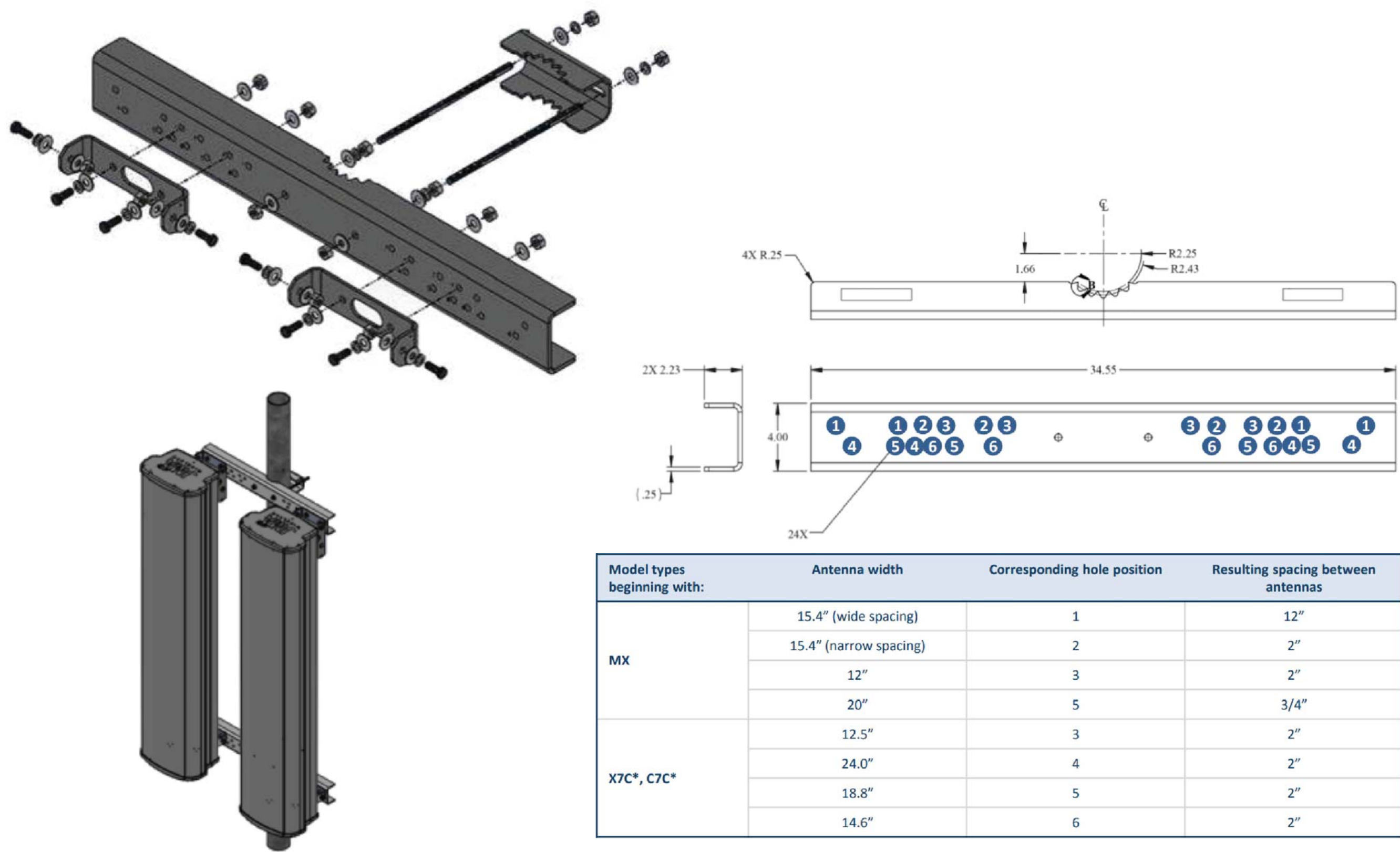


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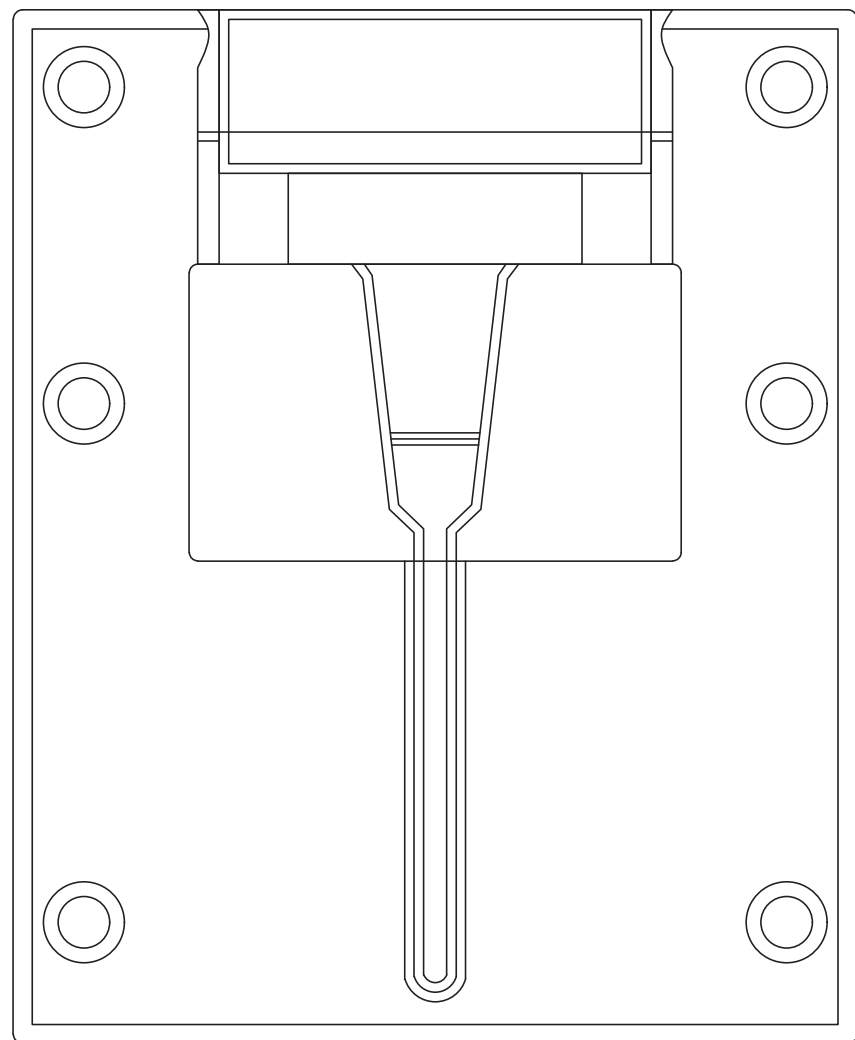
REVISION:
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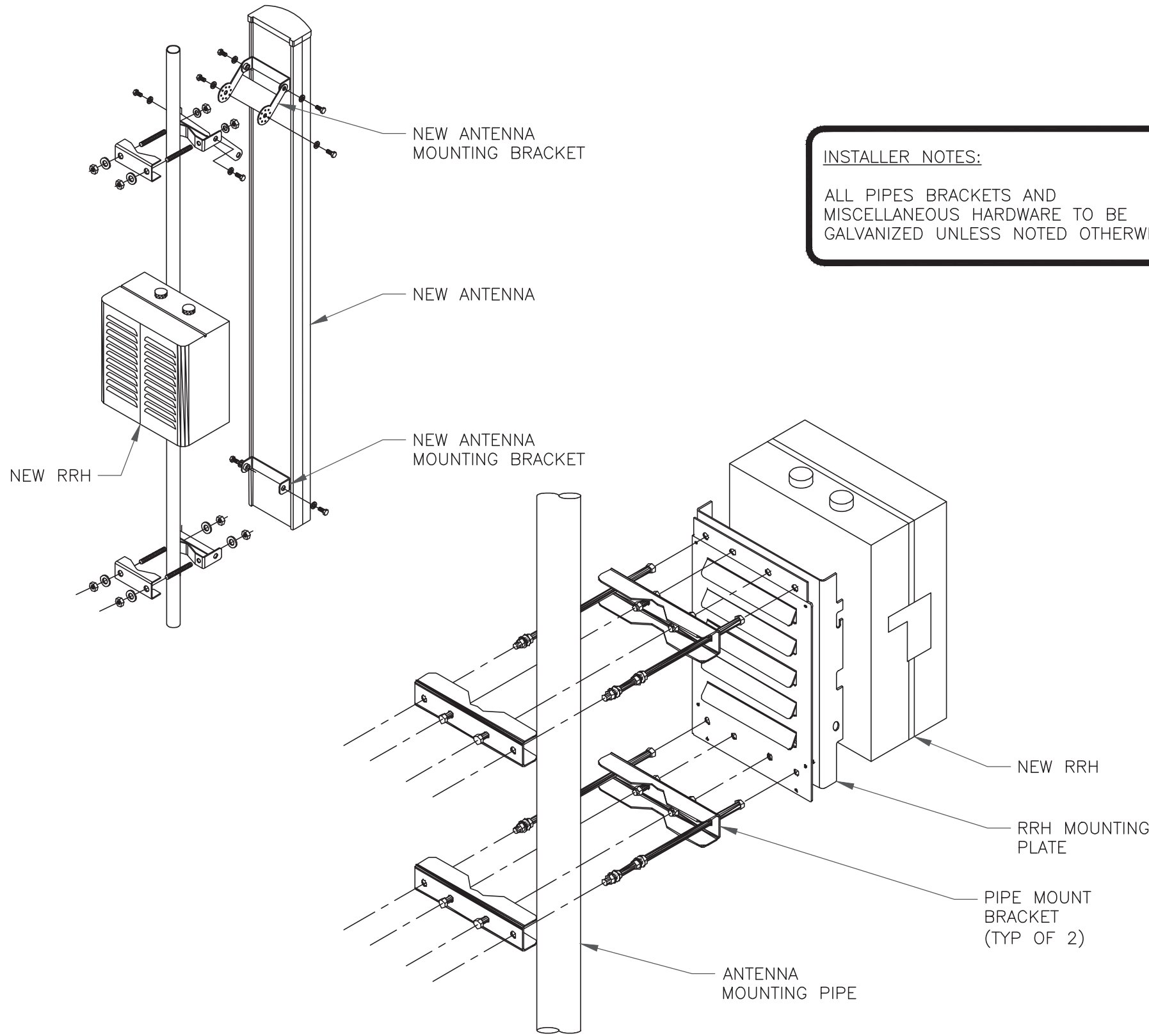
Model types beginning with:	Antenna width	Corresponding hole position	Resulting spacing between antennas
MX	15.4" (wide spacing)	1	12"
	15.4" (narrow spacing)	2	2"
	12"	3	2"
	20"	5	3/4"
X7C*, C7C*	12.5"	3	2"
	24.0"	4	2"
	18.8"	5	2"
	14.6"	6	2"

1 JMA — 91900314-02
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE



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



4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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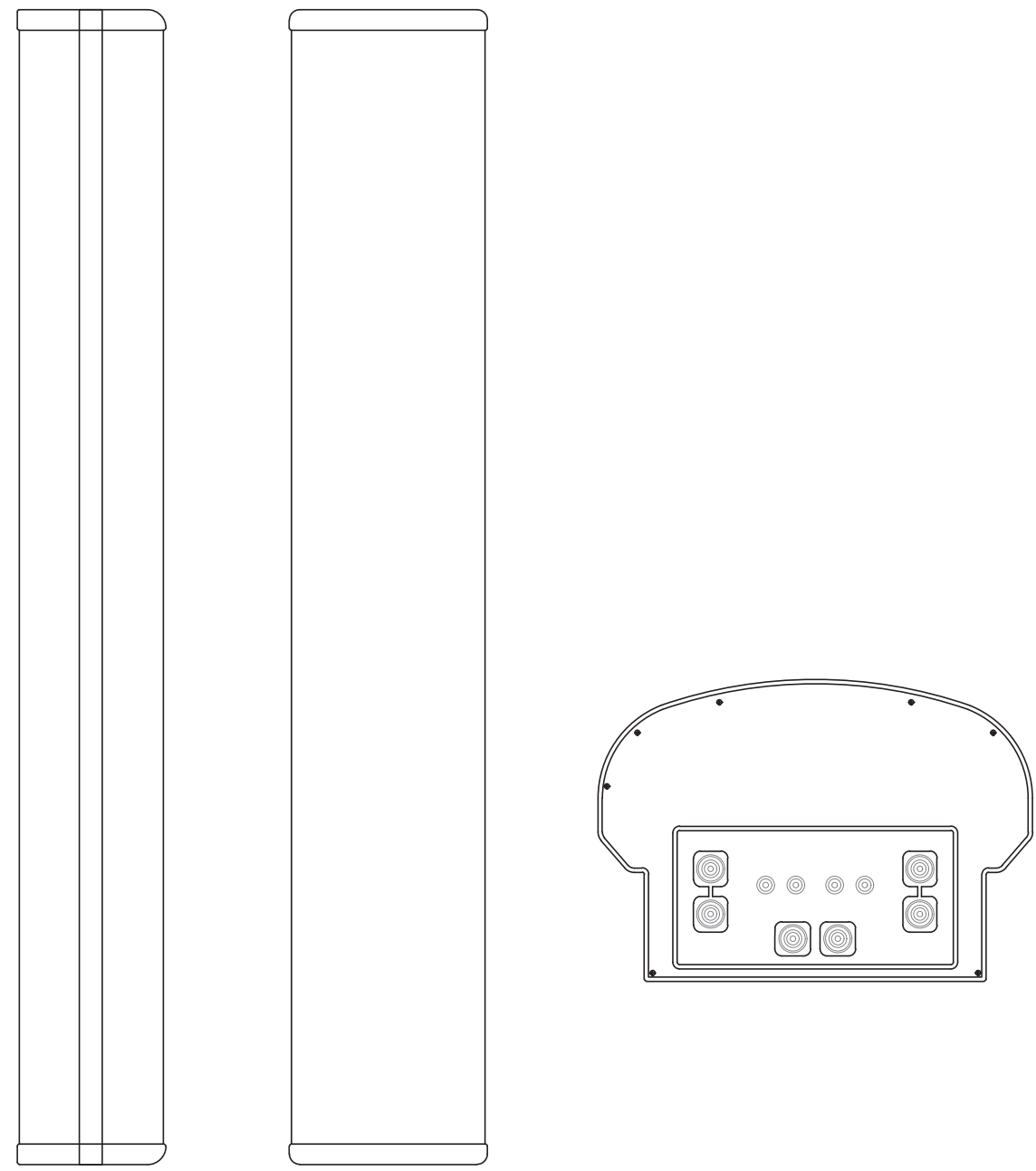
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SHEET NUMBER:

C-4

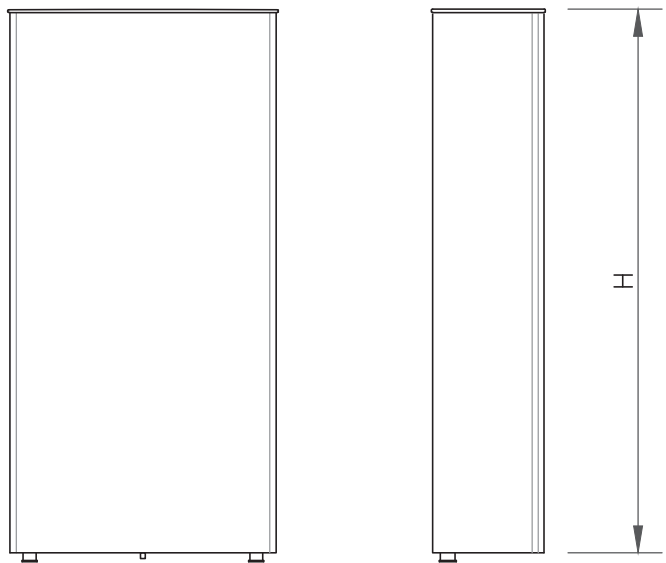
REVISION:

0



JMA WIRELESS – MX06FR0860–03
WEIGHT (WITHOUT MOUNTING HARDWARE): 83.0 LBS
SIZE (HxWxD): 95.9x15.4x10.7 IN.
RATED WIND VELOCITY: 150.0 MPH

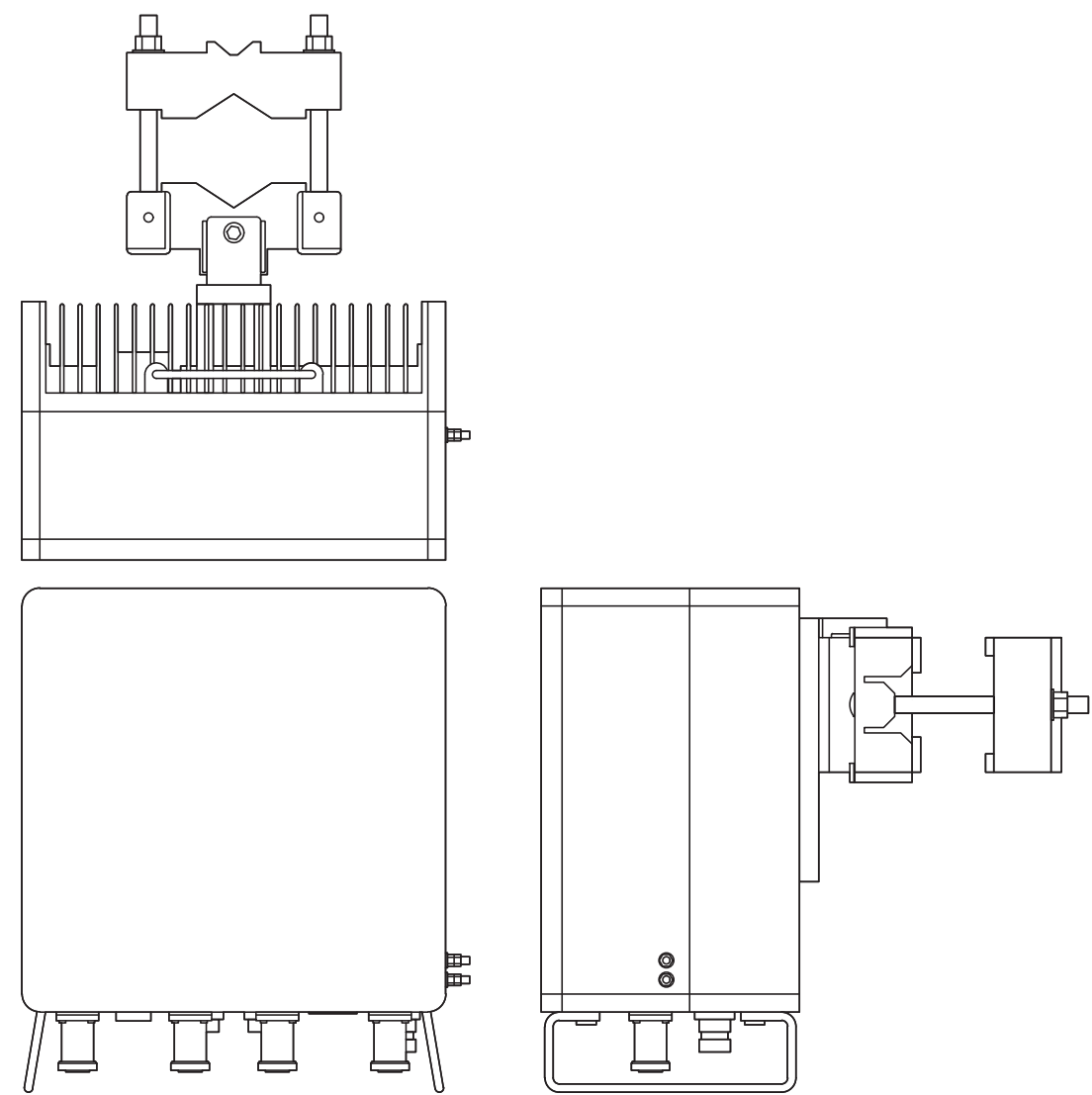
1 JMA WIRELESS – MX06FR0860–03
SCALE: NOT TO SCALE



ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407–77A
WIDTH	16.06”
DEPTH	5.51”
HEIGHT	35.06”
WEIGHT	81.57 LBS

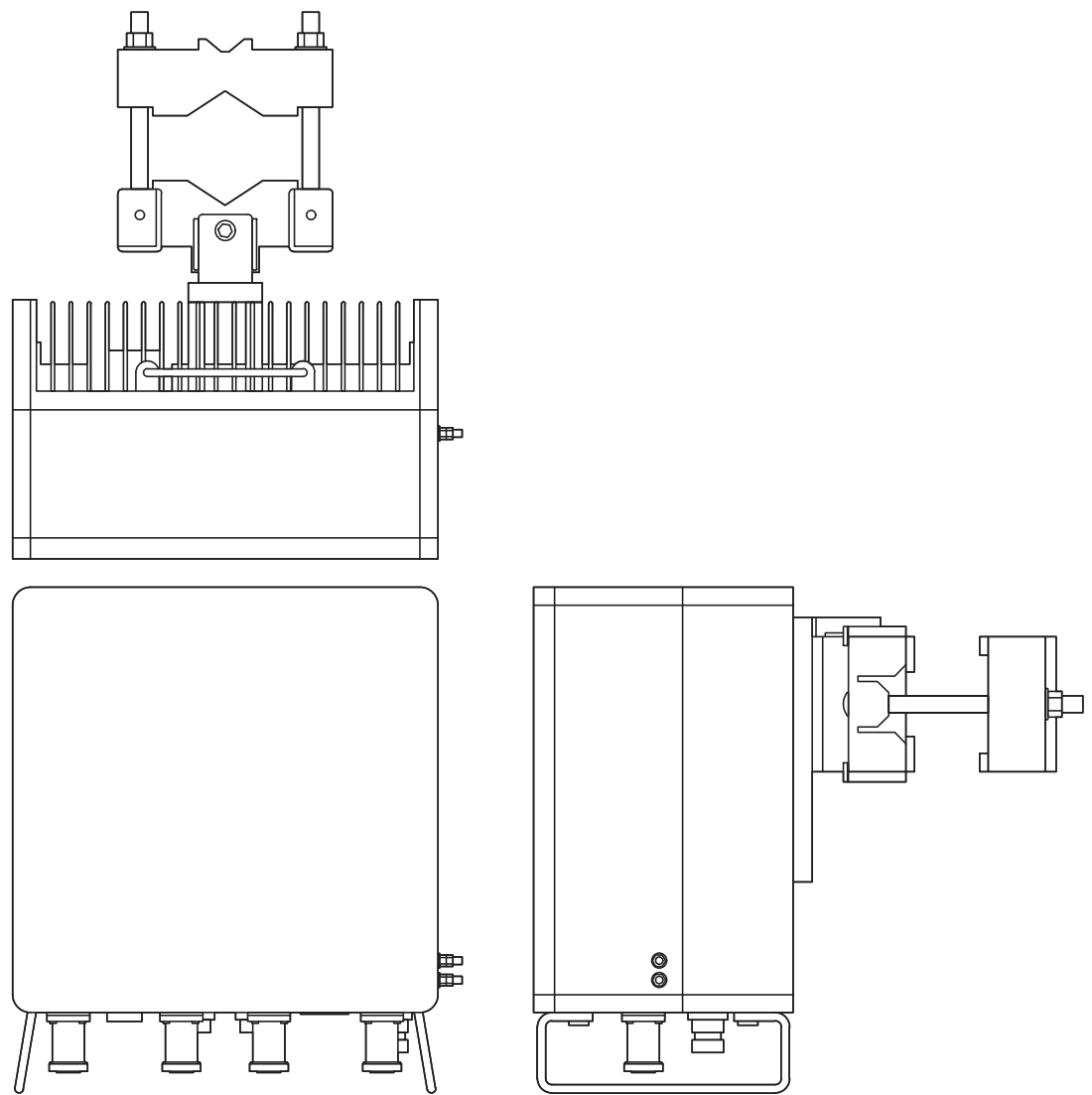
2 SAMSUNG – MT6407–77A
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE



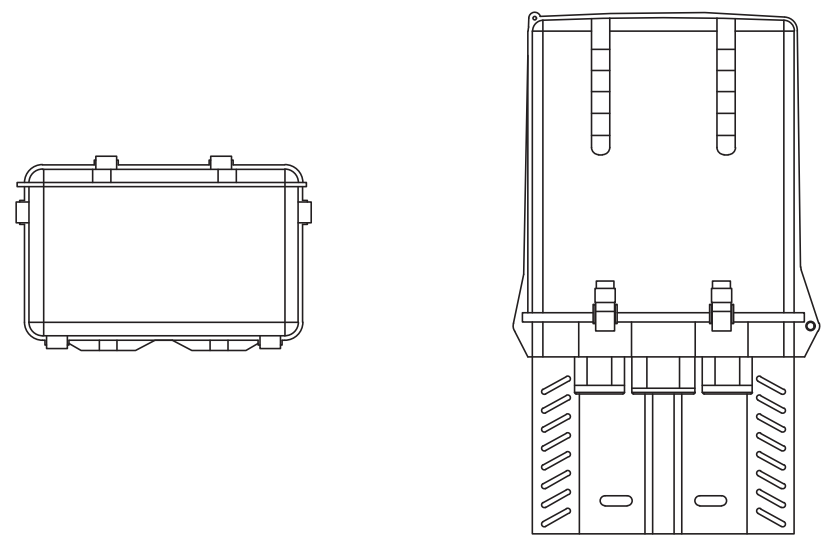
RRU SPECS	
MANUFACTURER	SAMSUNG
MODEL #	B5/B13 RRH ORAN (RF4440d–13A)
WIDTH	14.96”
DEPTH	9.06”
HEIGHT	14.96”
WEIGHT	72.50 LBS

4 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECS	
MANUFACTURER	SAMSUNG
MODEL #	B2/B66A RRH ORAN (RF4439d–25A)
WIDTH	14.96”
DEPTH	10.04”
HEIGHT	14.96”
WEIGHT	74.70 LBS

5 RRU SPECS
SCALE: NOT TO SCALE



RAYCAP – RVZDC–6627–PF–48
WEIGHT (WITHOUT MOUNTING HARDWARE): 32.0 LBS
SIZE (HxWxD): 28.9x15.7x10.3 IN.

RATED WIND VELOCITY: 150 MPH (SUSTAINED)
OPERATING TEMPERATURE: –40° C TO +80° C
NOMINAL OPERATING DC VOLTAGE: 48 VDC

6 RAYCAP – RVZDC–6627–PF–48
SCALE: NOT TO SCALE



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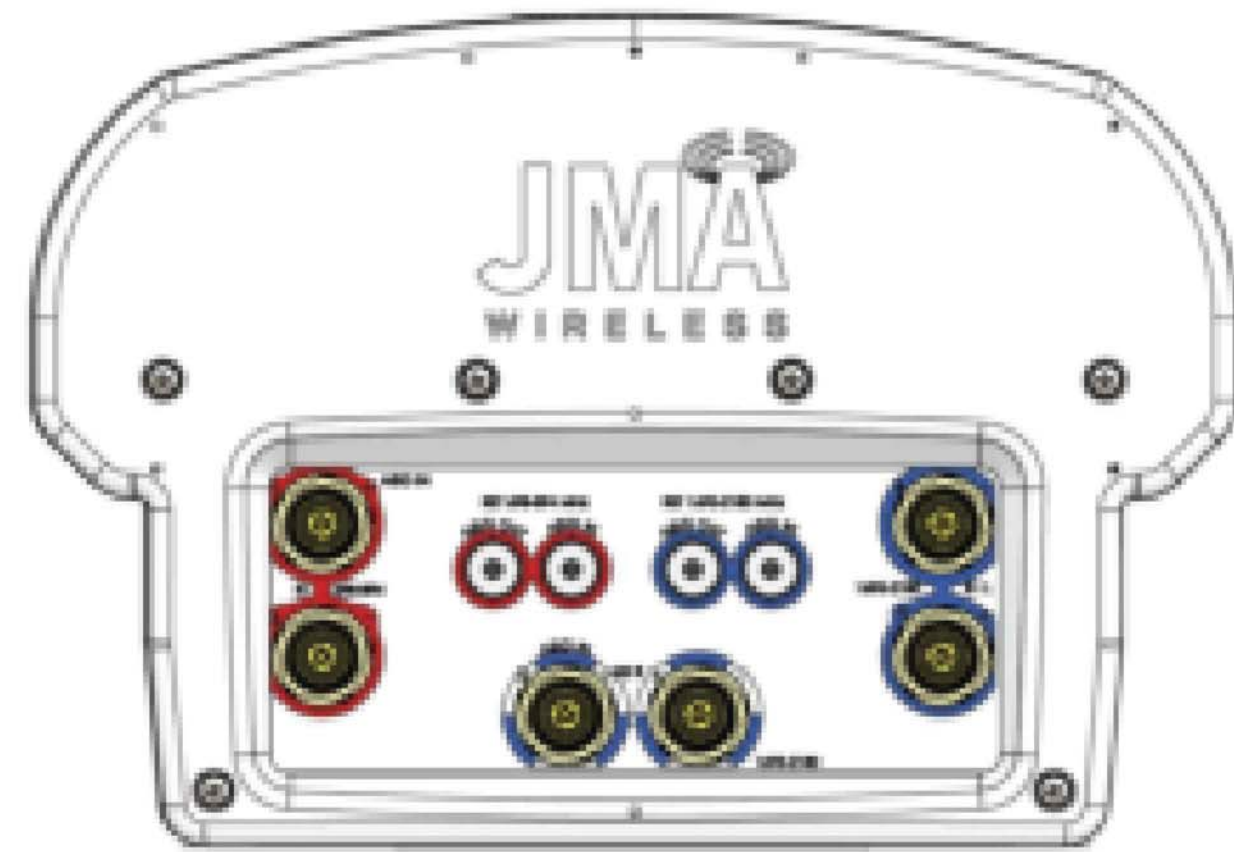
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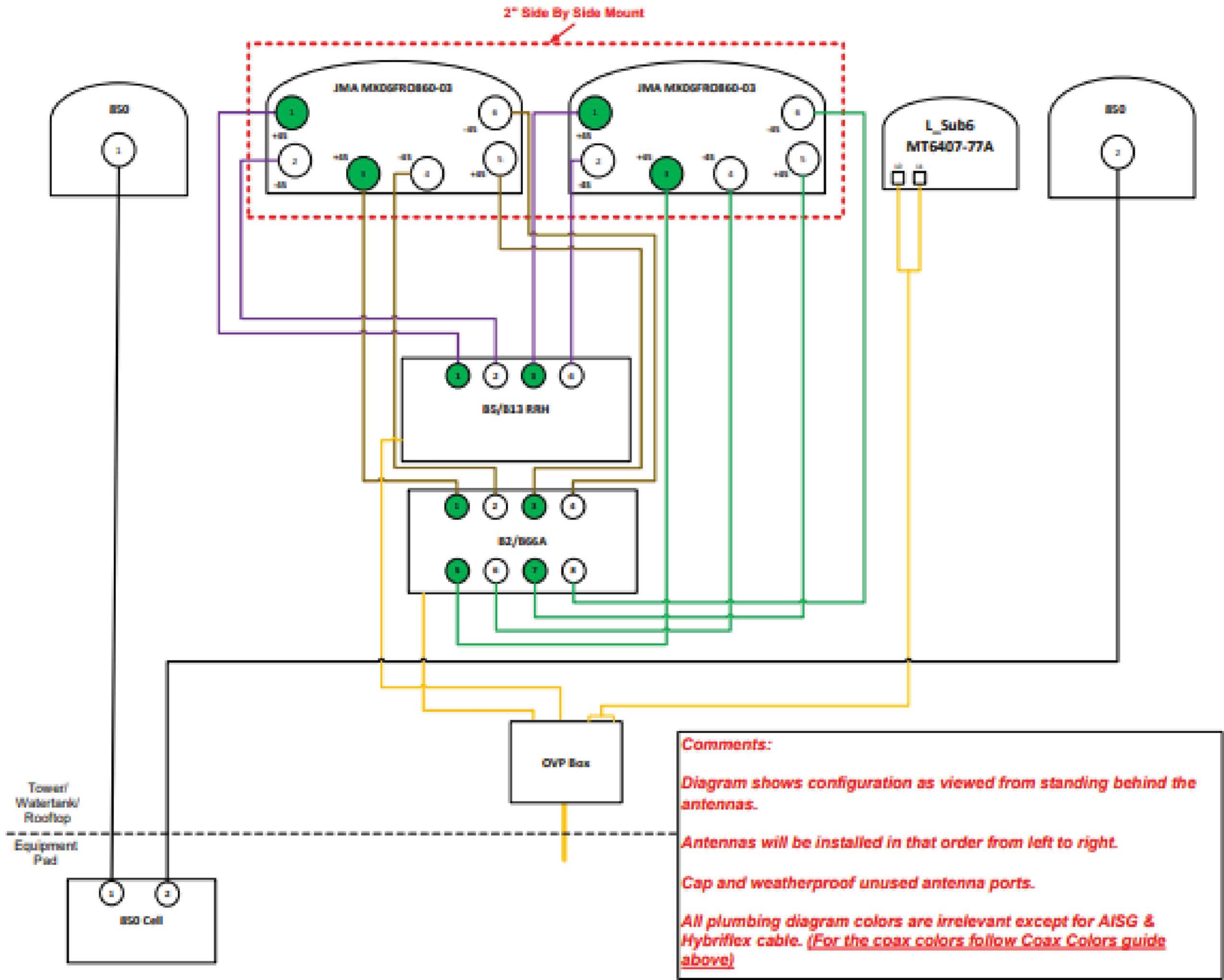
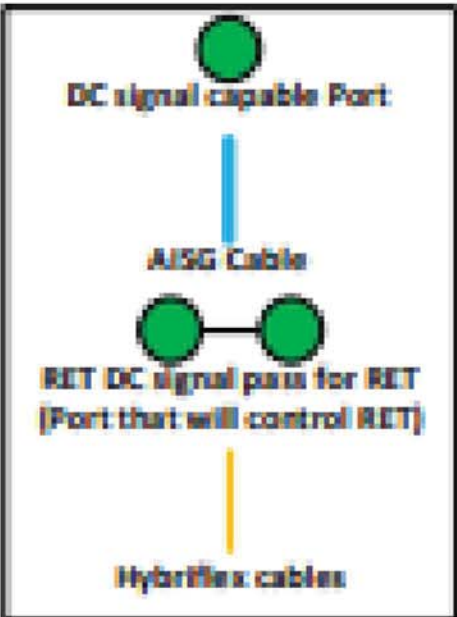
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- Port 1 & 2 are for low band (698-896 MHz).
- Port 3,4,5, & 6 are for high band (1695-2360 MHz).
- Antenna Smart Bias Tee (SBT) is through port 1 for low band and port 3 for high band.
- AISG cable is only needed when drawn in the diagrams below, 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 configuration as viewed from standing behind the antennas.

Antennas will be installed in that order from left to right.

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)

verizon
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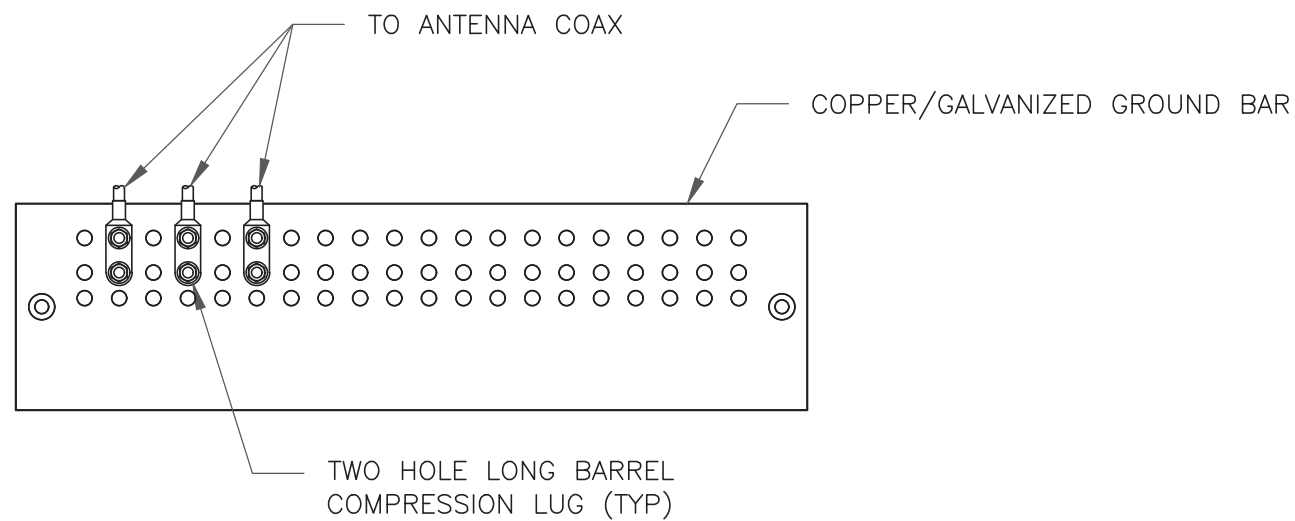
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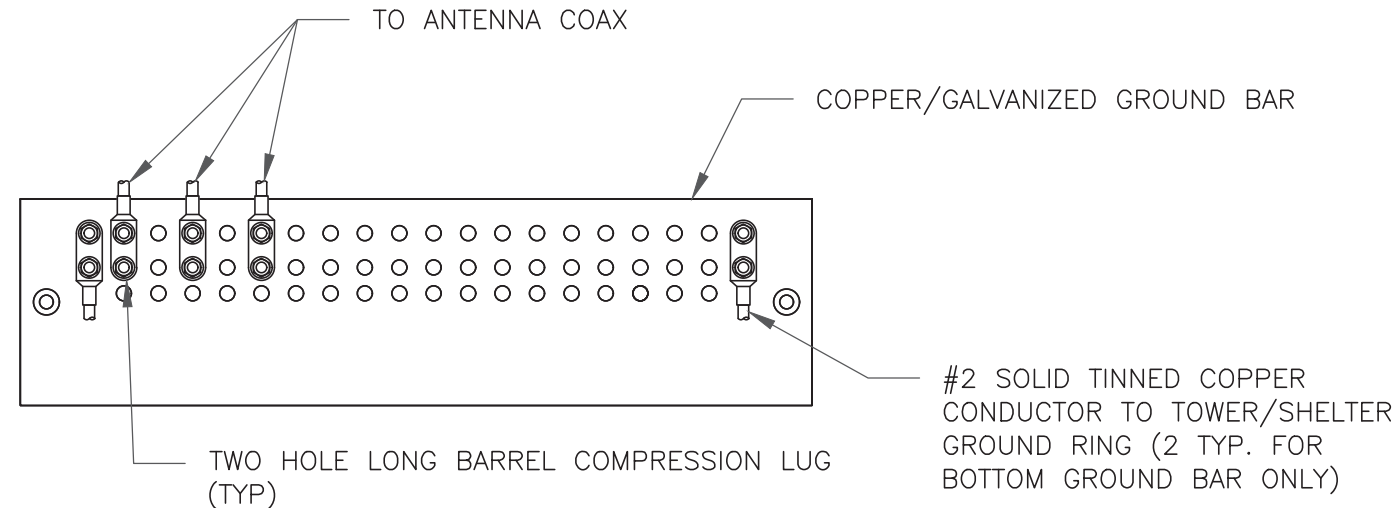
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NOTES:

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

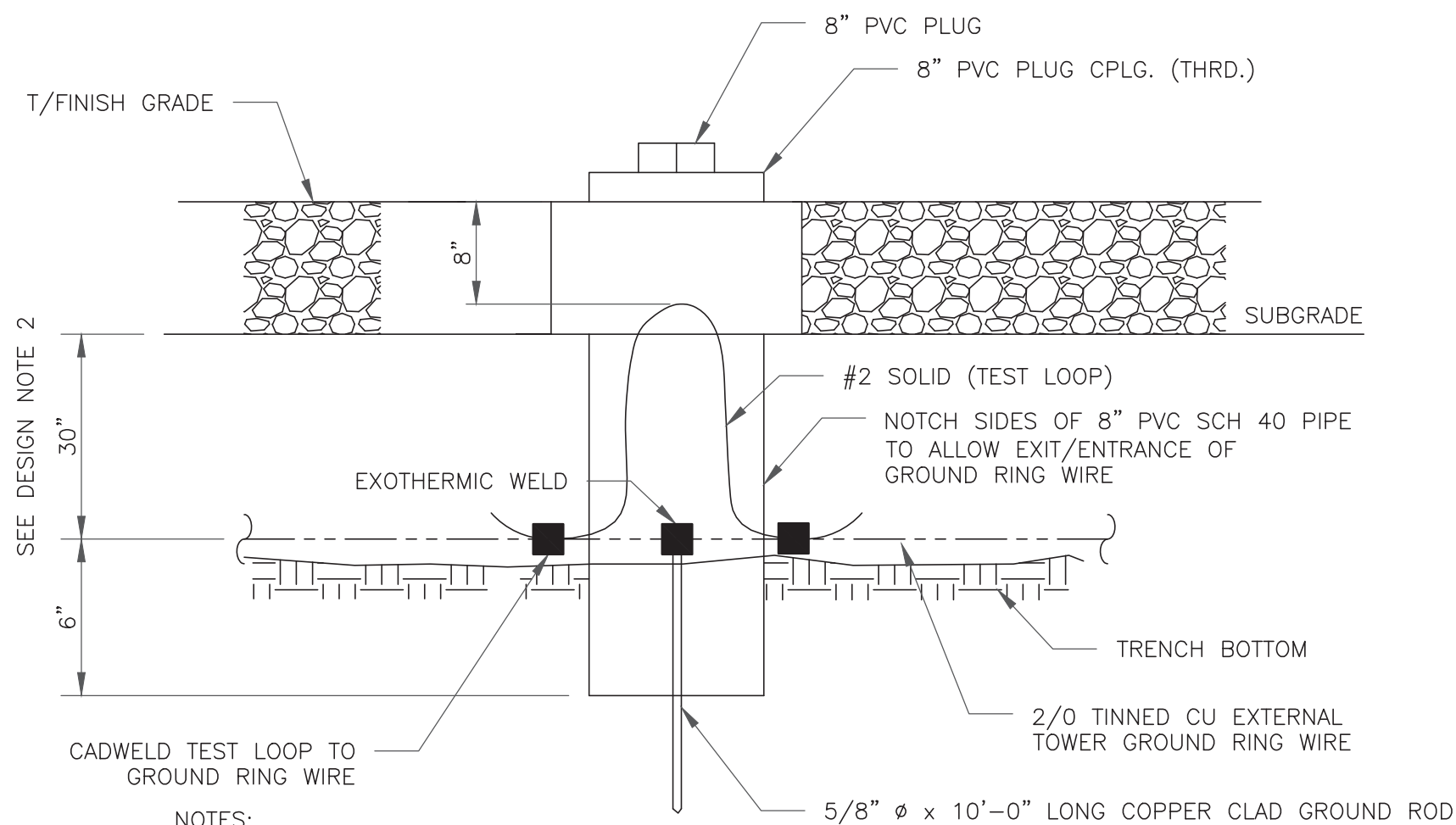
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

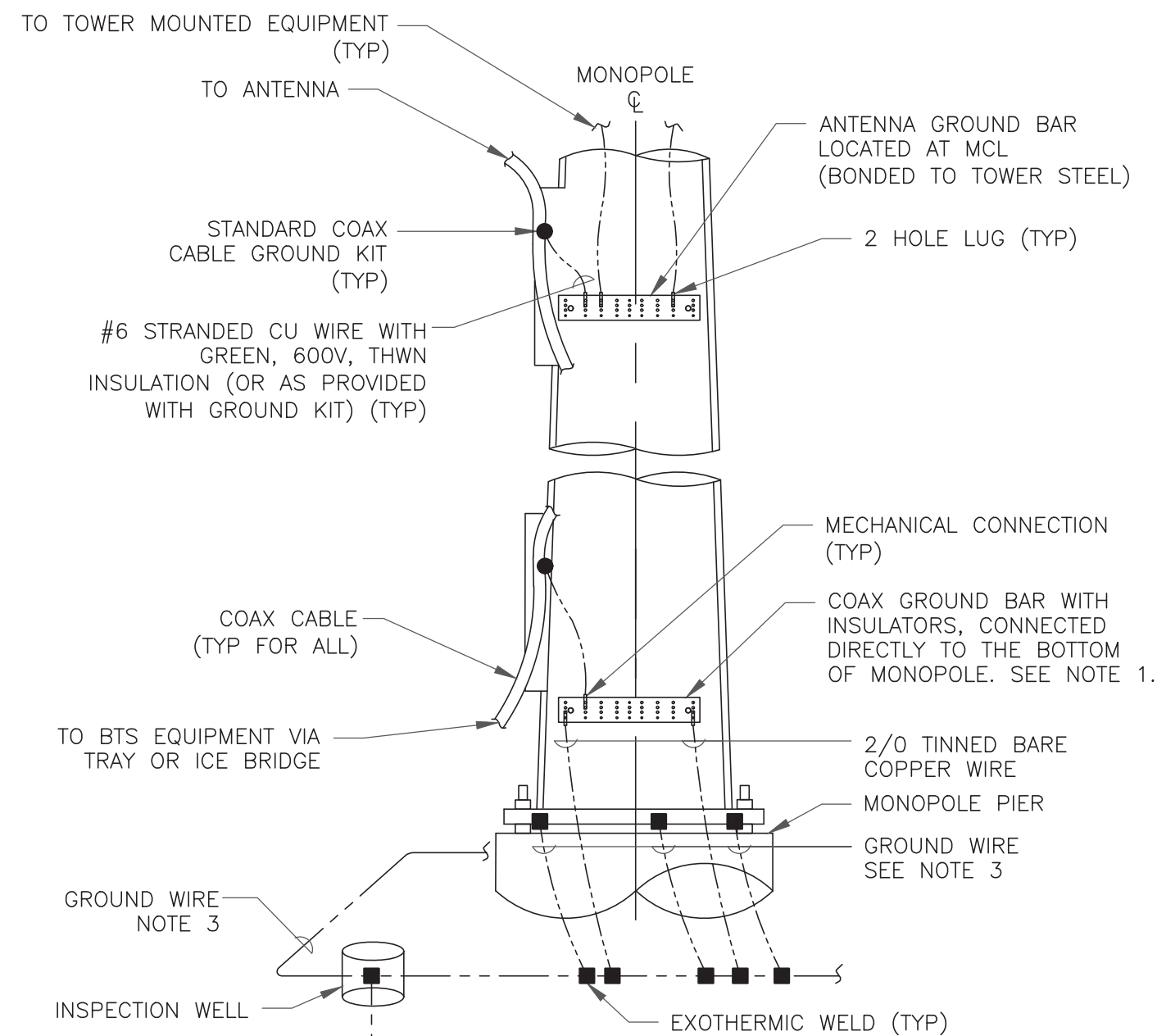
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

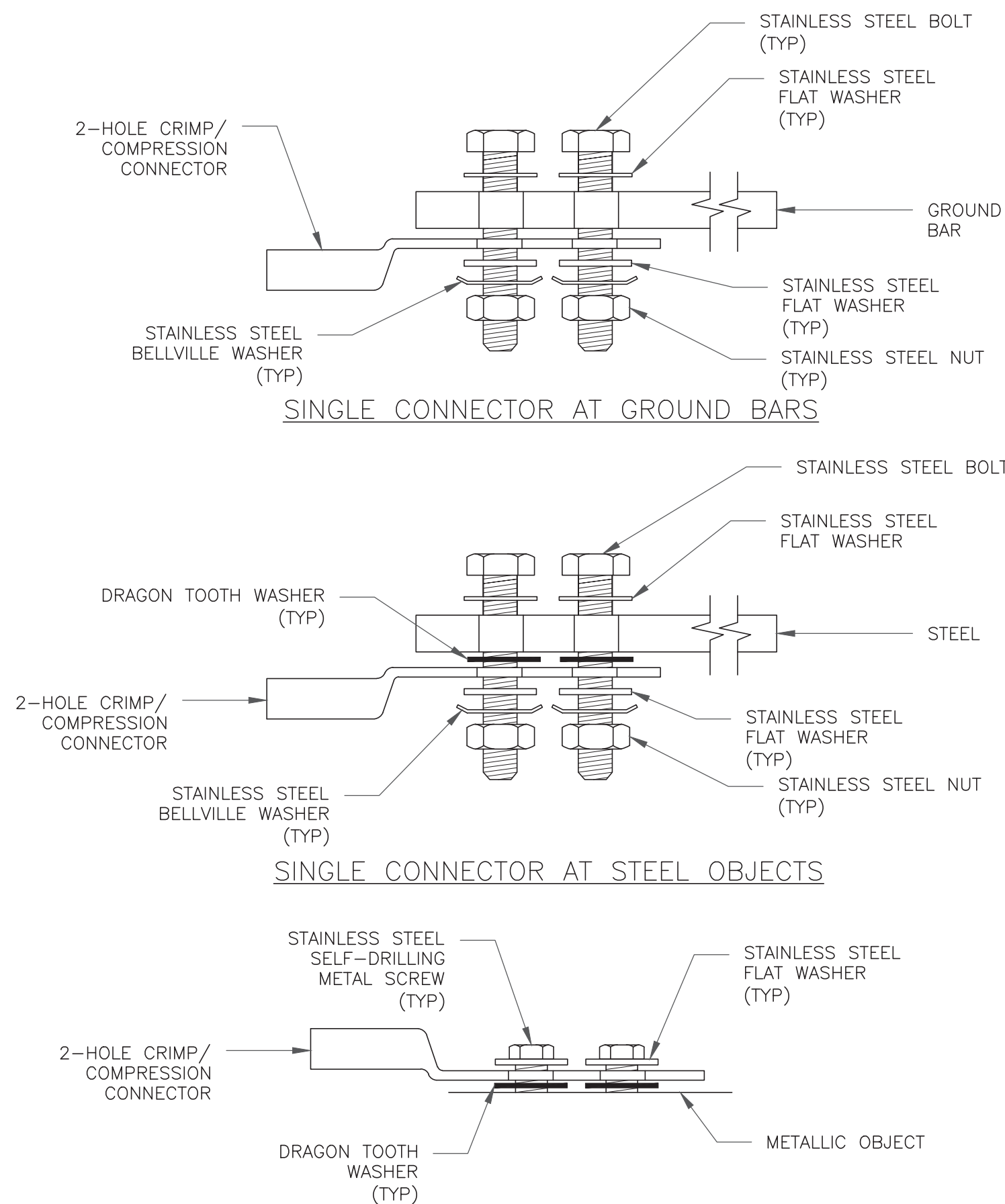
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



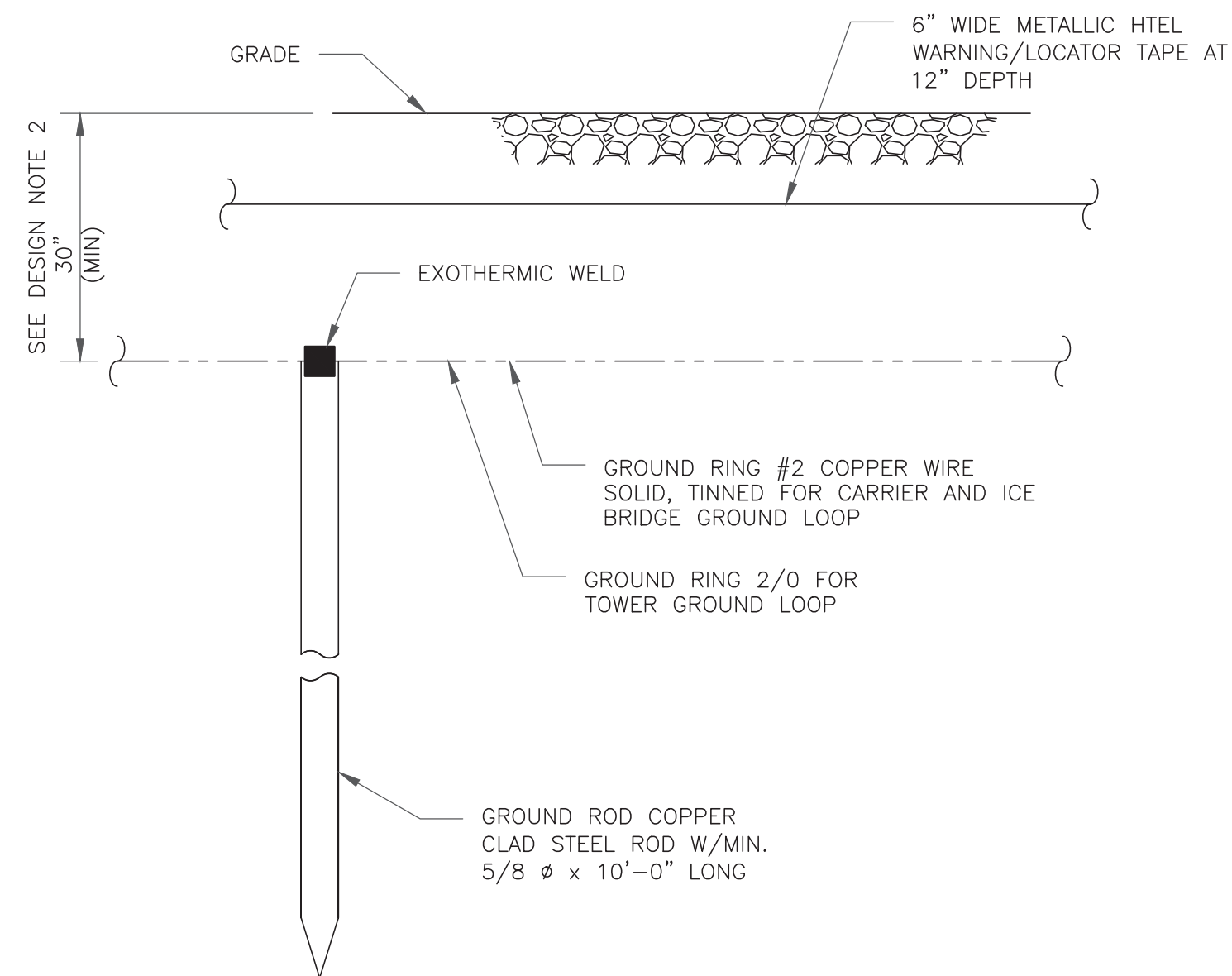
NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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EXISTING 160'-0"
MONOPOLE

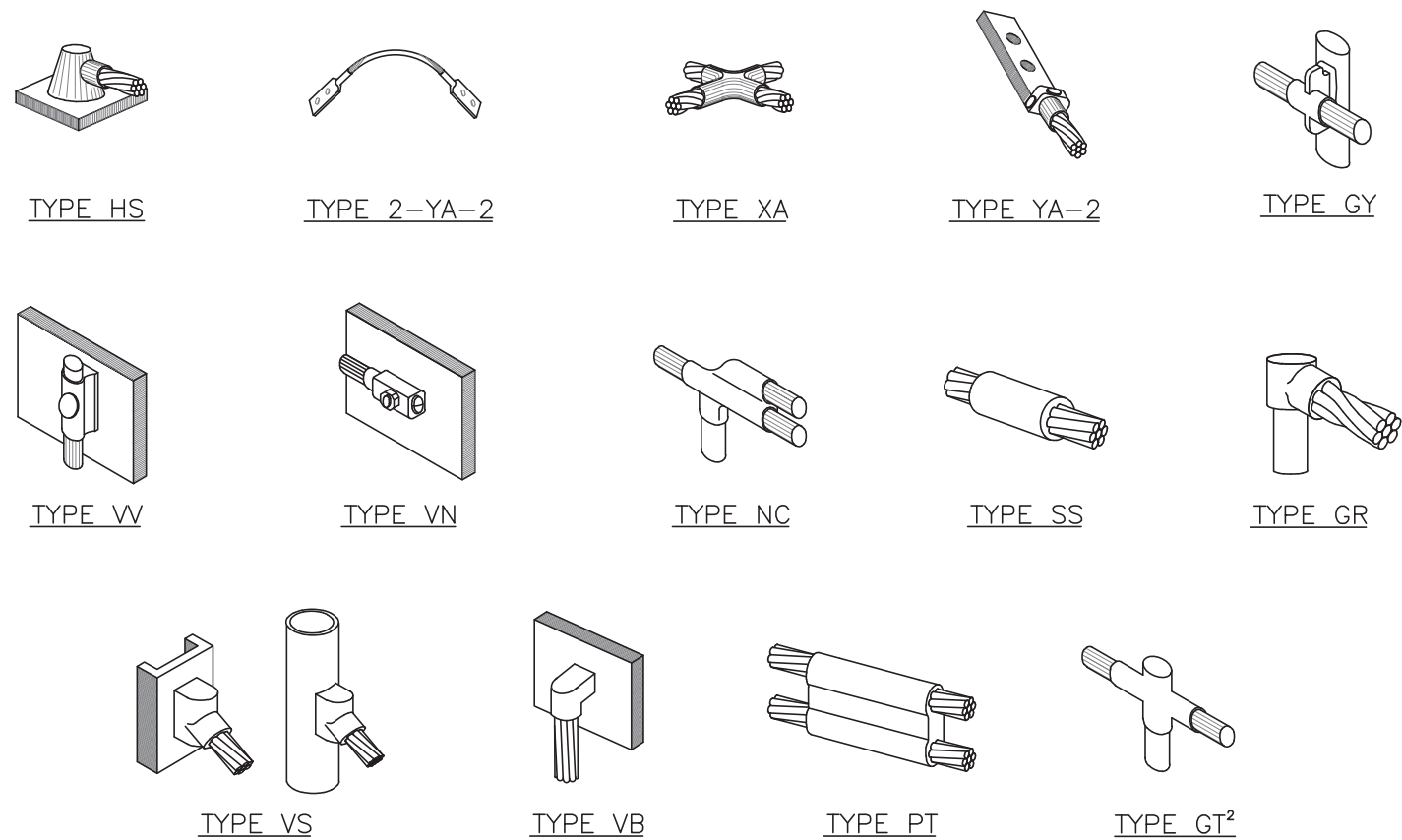
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REV	DATE	DRWN	DESCRIPTION	DES./QA
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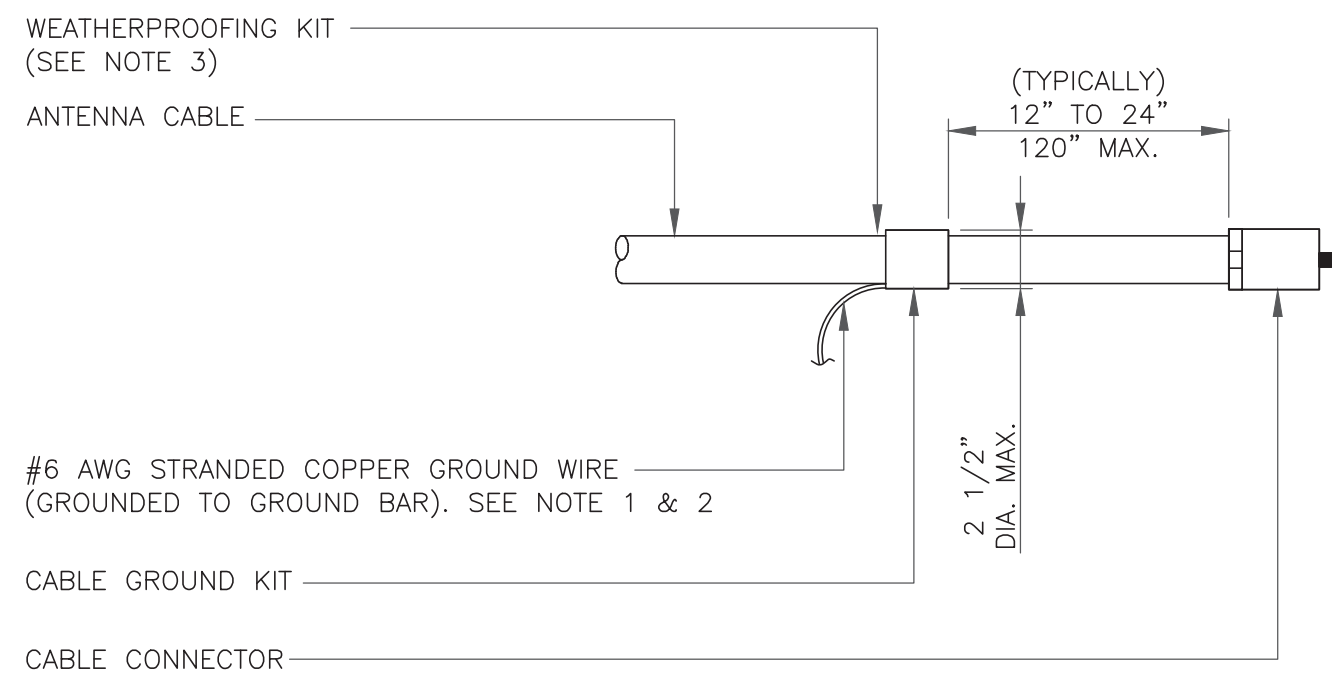
SHEET NUMBER:
G-1

REVISION:
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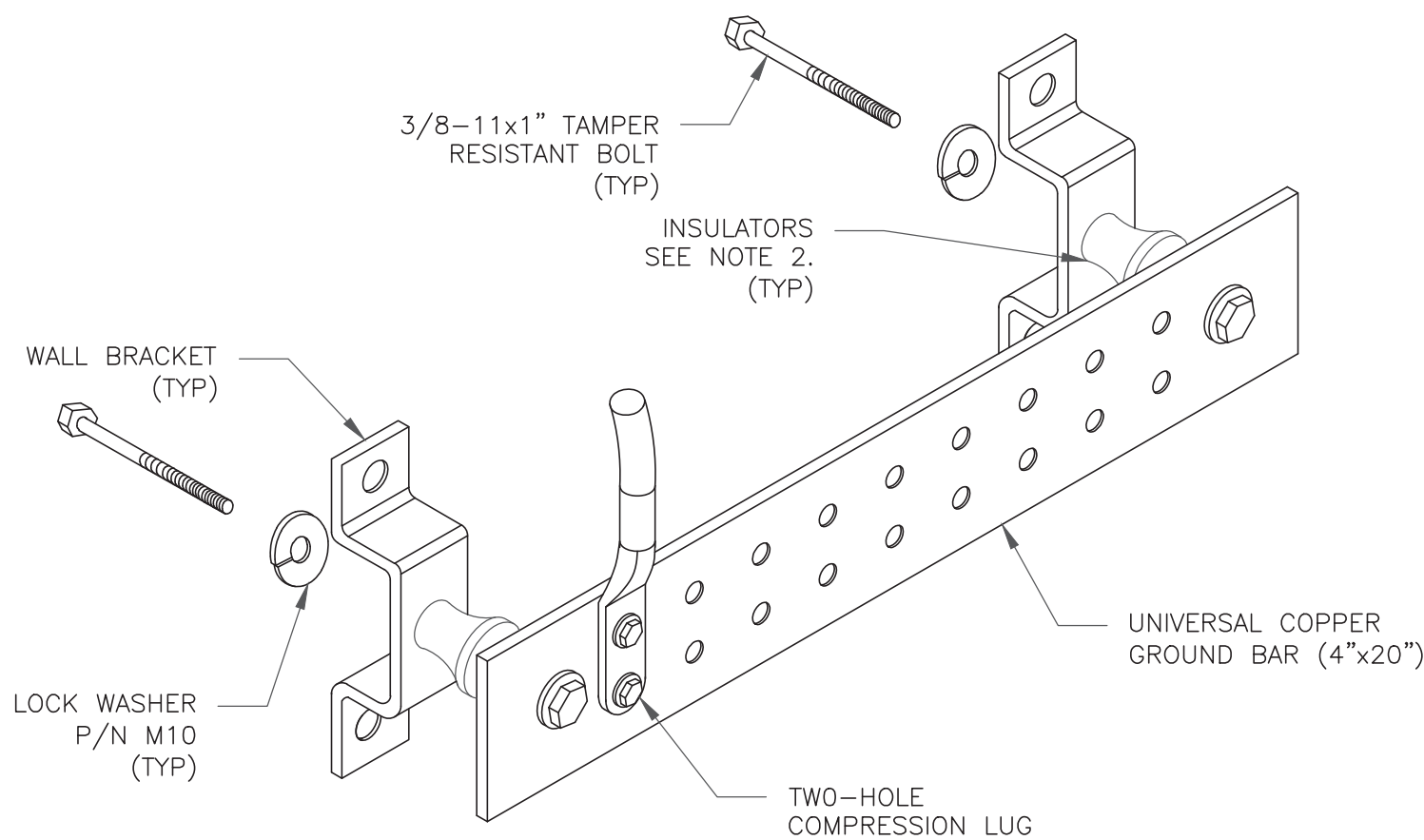
- NOTE:
1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
 2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



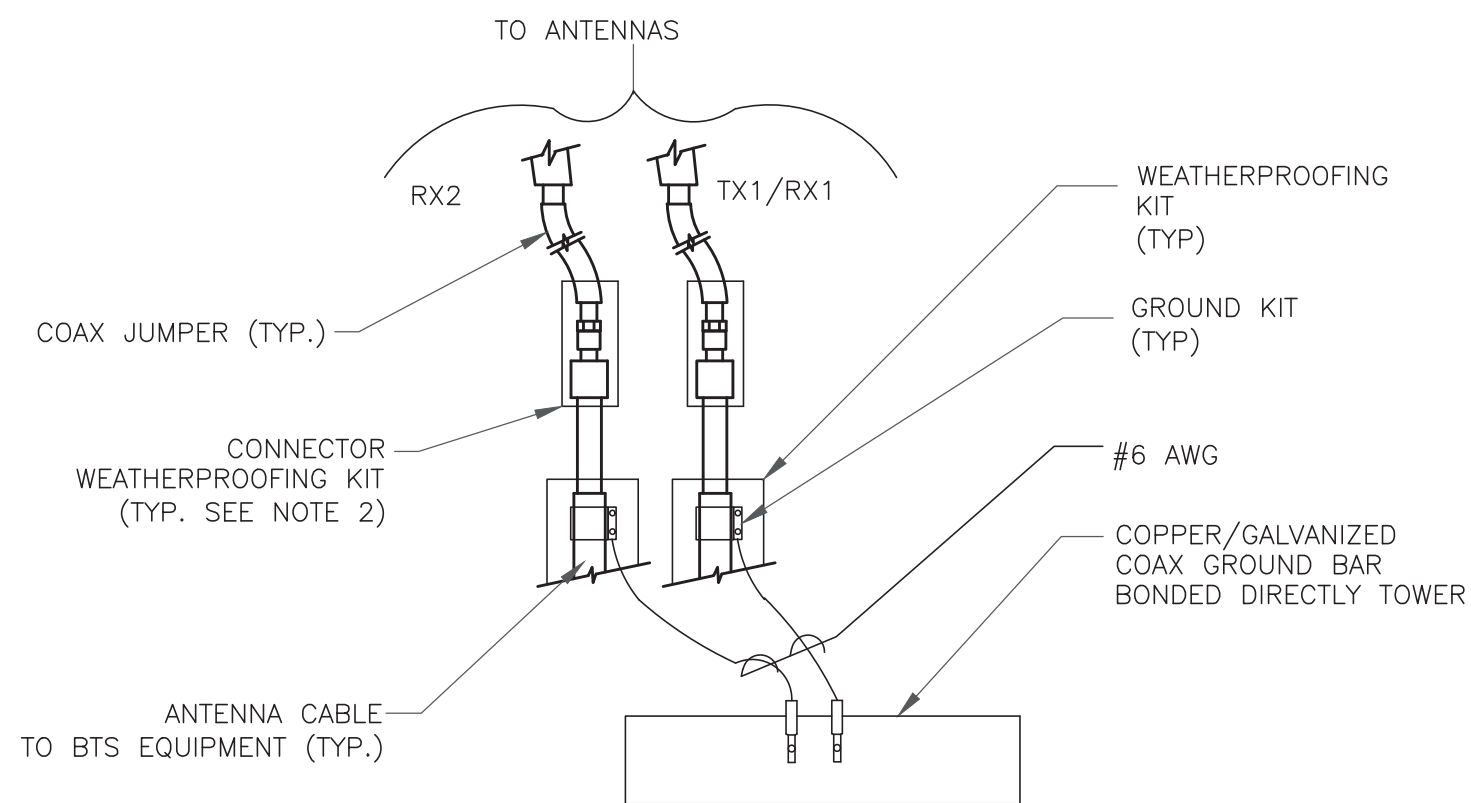
- NOTES:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
 3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



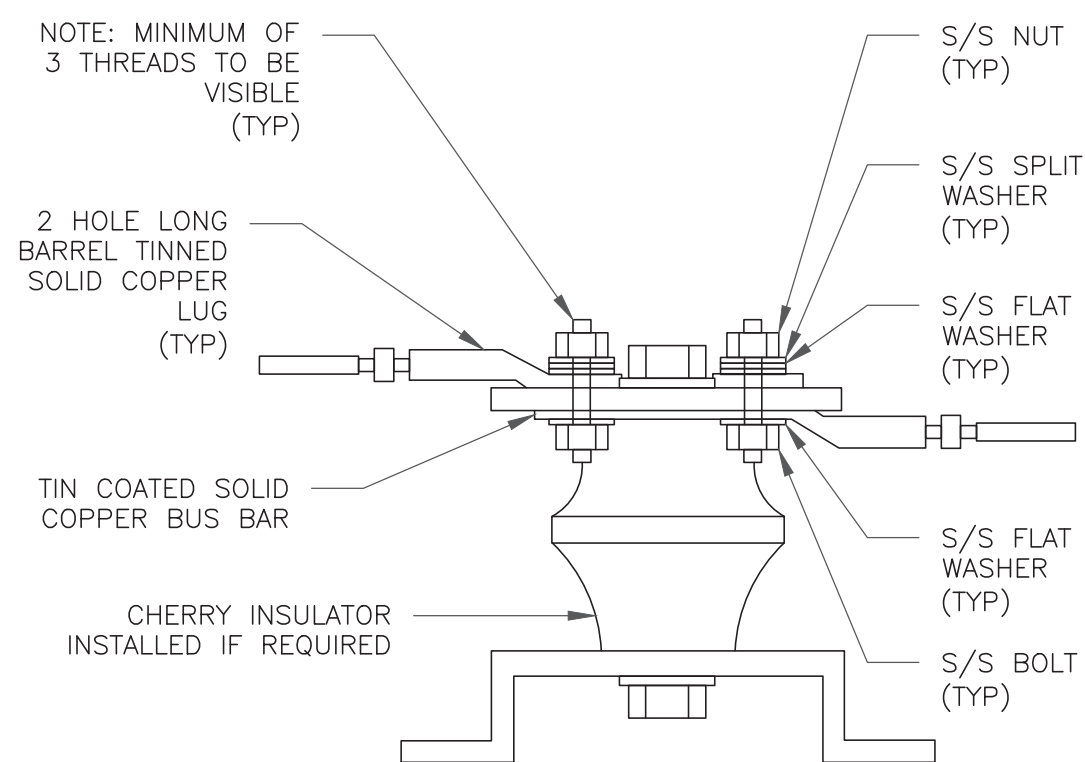
- NOTES:
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
 2. OMIT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



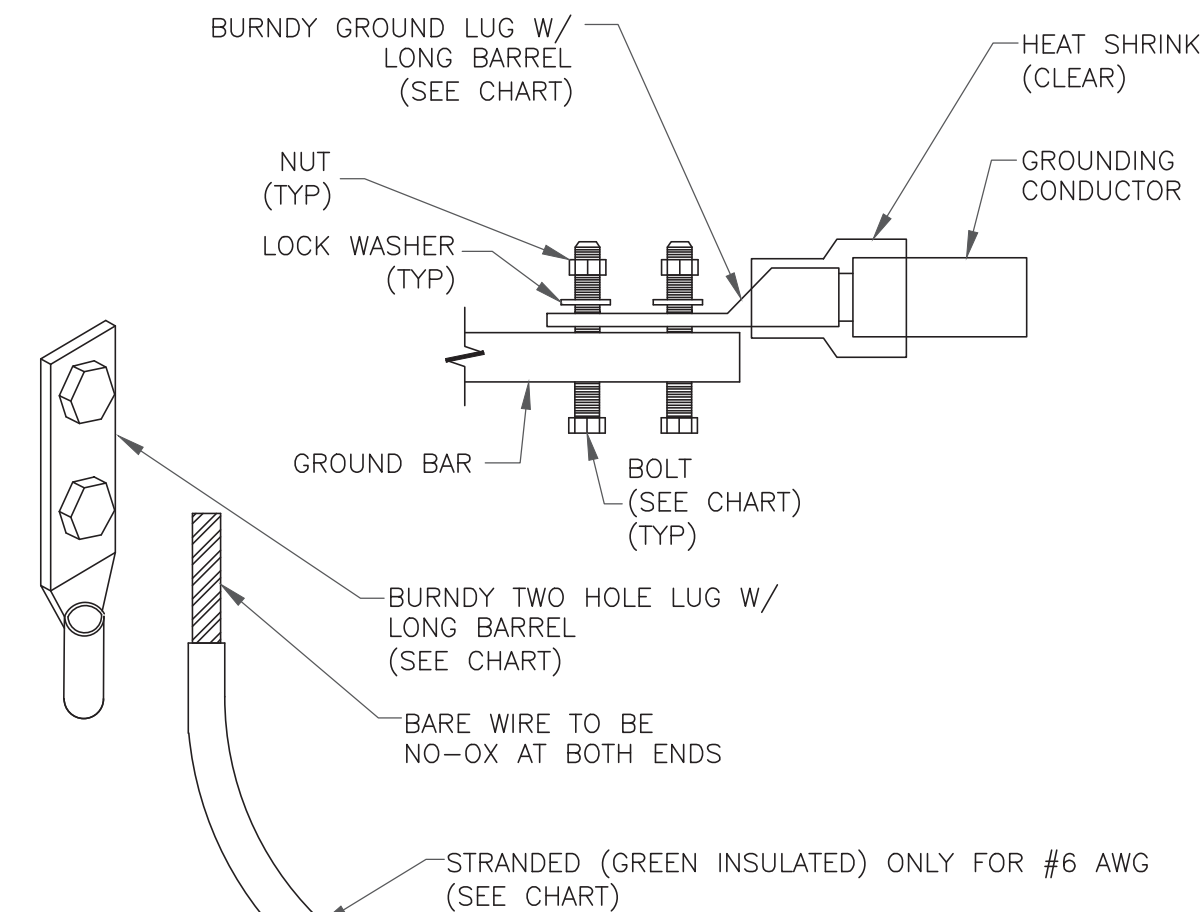
- NOTES:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
 2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



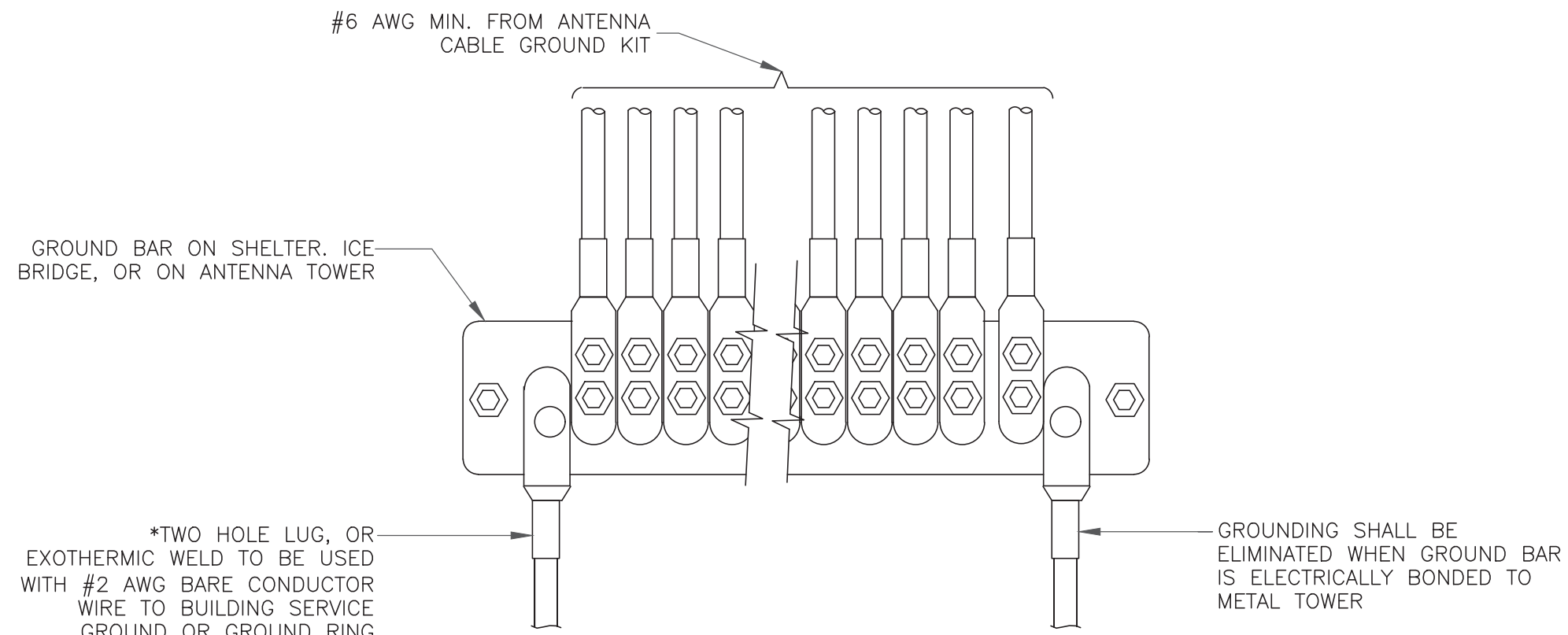
7 LUG DETAIL
SCALE: NOT TO SCALE

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

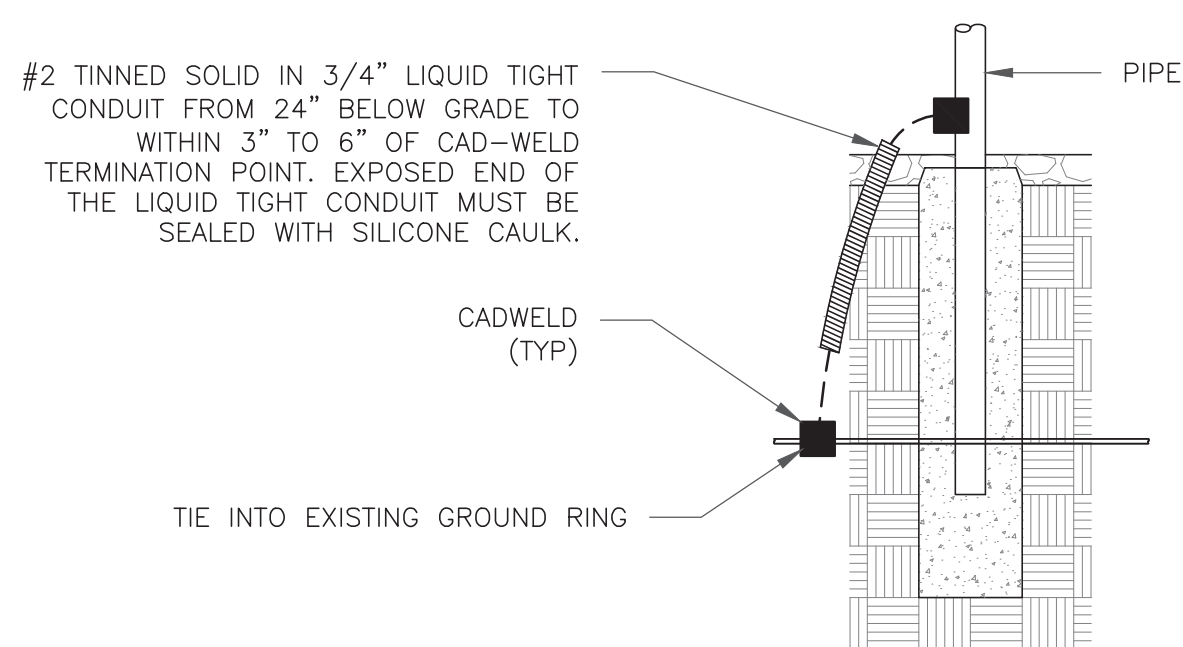


- NOTES:
1. ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

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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REVISION:

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MOUNT MODIFICATION DRAWINGS

EXISTING 13.00' PLATFORM

TOWER OWNER: CROWN CASTLE
TOWER OWNER SITE NUMBER: 806953

CARRIER SITE NAME: RIVERBANK CT
CARRIER SITE NUMBER: 468411
FUZE ID: 16092561

70 GUINEA RD.
STAMFORD, CT 06903
FAIRFIELD COUNTY

LATITUDE: 41.101763° N
LONGITUDE: 73.594847° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), $V = 116$ MPH
EXPOSURE CATEGORY B
TOPOGRAPHY CONSIDERED N/A
MEAN BASE ELEVATION (AMSL) = 220'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), $V = 50$ MPH
ICE THICKNESS = 1.00 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, $S_s = .270$
LONG TERM MCER GROUND MOTION, $S_1 = .059$

PROJECT INFORMATION	
<u>APPLICANT/LESSEE</u>	
COMPANY:	VERIZON WIRELESS
<u>CLIENT REPRESENTATIVE</u>	
COMPANY:	VERIZON WIRELESS
<u>PROJECT MANAGER</u>	
COMPANY:	COLLIERS ENGINEERING & DESIGN
CONTACT:	PETER ALBANO
PHONE:	856.797.0412
E-MAIL:	PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS	
PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10157070
VZW LOCATION CODE (PSLC):	468411
ANALYSIS DATE:	7/28/2025

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT	
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OB NUMBER : 22777018A

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Stamford, CT 06901
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SHEET TITLE :

TITLE SHEET

SHEET NUMBER :

ST-1

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BILL OF MATERIALS						
SECTION 1 - VZWSMART KITS						
QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	VZWSMART	VZWSMART-PLK5	KICKER KIT		291	291
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
3		VZWSMART-P40-278X072	72" LONG, PIPE 2 1/2 STD (2.875"OD X 0.203" THK)		35	105
SECTION 2 - OTHER REQUIRED PARTS						
QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
-	-	-	1/2" DIA. J429 GR-2 U-BOLT	GALVANIZED	-	-
SECTION 3 - REQUIRED SAFETY CLIMB PARTS						
QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	PERFECT VISON	PV-SCRB-RM-U	ROUTING BRACKET	OR EOR APPROVED EQUIVALENT	-	-
1	PERFECT VISION	PV-CMX-CG-BO	WIRE ROPE GUIDE	OR EOR APPROVED EQUIVALENT	-	-
TOTAL:						546

NOTES:

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

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE		PERFECTVISION		SITE PRO 1		BETTER METAL, LLC	
CONTACT	SALVADOR ANGUIANO	CONTACT	WIRELESS SALES	CONTACT	PAULA BOSWELL	CONTACT	DAVID STANSBERRY
PHONE	(817) 304-7492	PHONE	(844) 887-6723	PHONE	(972) 236-9843	PHONE	(615) 535-0990 (O), (615) 631-2520 (M)
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM	EMAIL	WWW.PERFECT-VISION.COM	EMAIL	PAULA.BOSWELL@VALMONT.COM	EMAIL	DLS@BETTERMETAL.COM
WEBSITE	WWW.COMMSCOPE.COM	WEBSITE	WIRELESSSALES@PERFECT-VISION.COM	WEBSITE	WWW.SITEPRO1.COM	WEBSITE	WWW.BETTERMETAL.COM
METROSITE FABRICATORS, LLC		SABRE INDUSTRIES, INC.		NEWAVE			
CONTACT	KENT RAMEY	CONTACT	ANGIE WELCH	CONTACT	NEWAVE SALES TEAM		
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)	PHONE	(866) 428-6937	PHONE	(971) 239-4762		
EMAIL	KENT@METROSITELLC.COM	EMAIL	AKWELCH@SABREINDUSTRIES.COM	EMAIL	SALES@NEWAVETC.COM		
WEBSITE	METROSITEFABRICATORS.COM	WEBSITE	WWW.SABRESITESOLUTIONS.COM	WEBSITE	WWW.NEWAVETC.COM		



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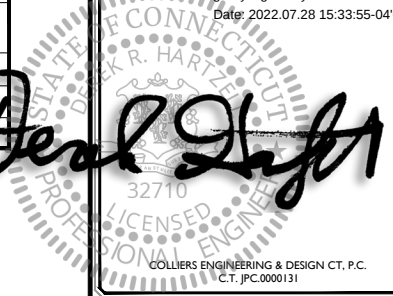
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Stamford, CT 06901
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SHEET TITLE:

BILL OF MATERIALS

SHEET NUMBER:

SBOM- I

PROJECT NOTES

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

GENERAL NOTES

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

CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.

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

STRUCTURAL STEEL

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

a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)

b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS

c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC. ASTM A36 (GR 36)

STEEL PIPE ASTM A53 (GR 35)

BOLTS ASTM A325

NUTS ASTM A563

LOCK WASHERS LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

a. SUBMIT SHOP DRAWINGS TO

PETER.ALBANO@COLLIERSENGINEERING.COM

b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
10. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.

12. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

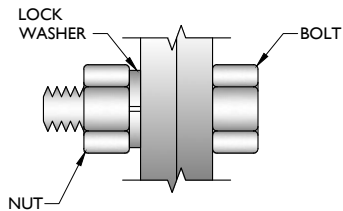
WELDING NOTES

1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A10.48, ANSI Z49.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

BOLT SCHEDULE (IN.)				
BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

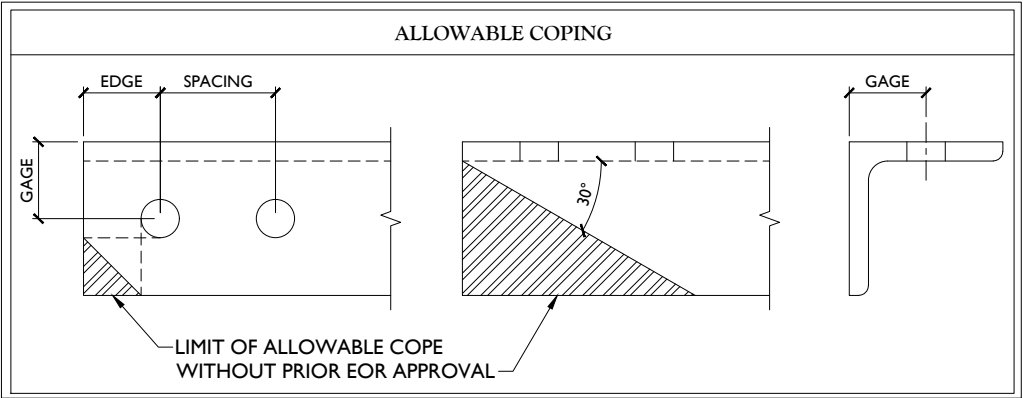
LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

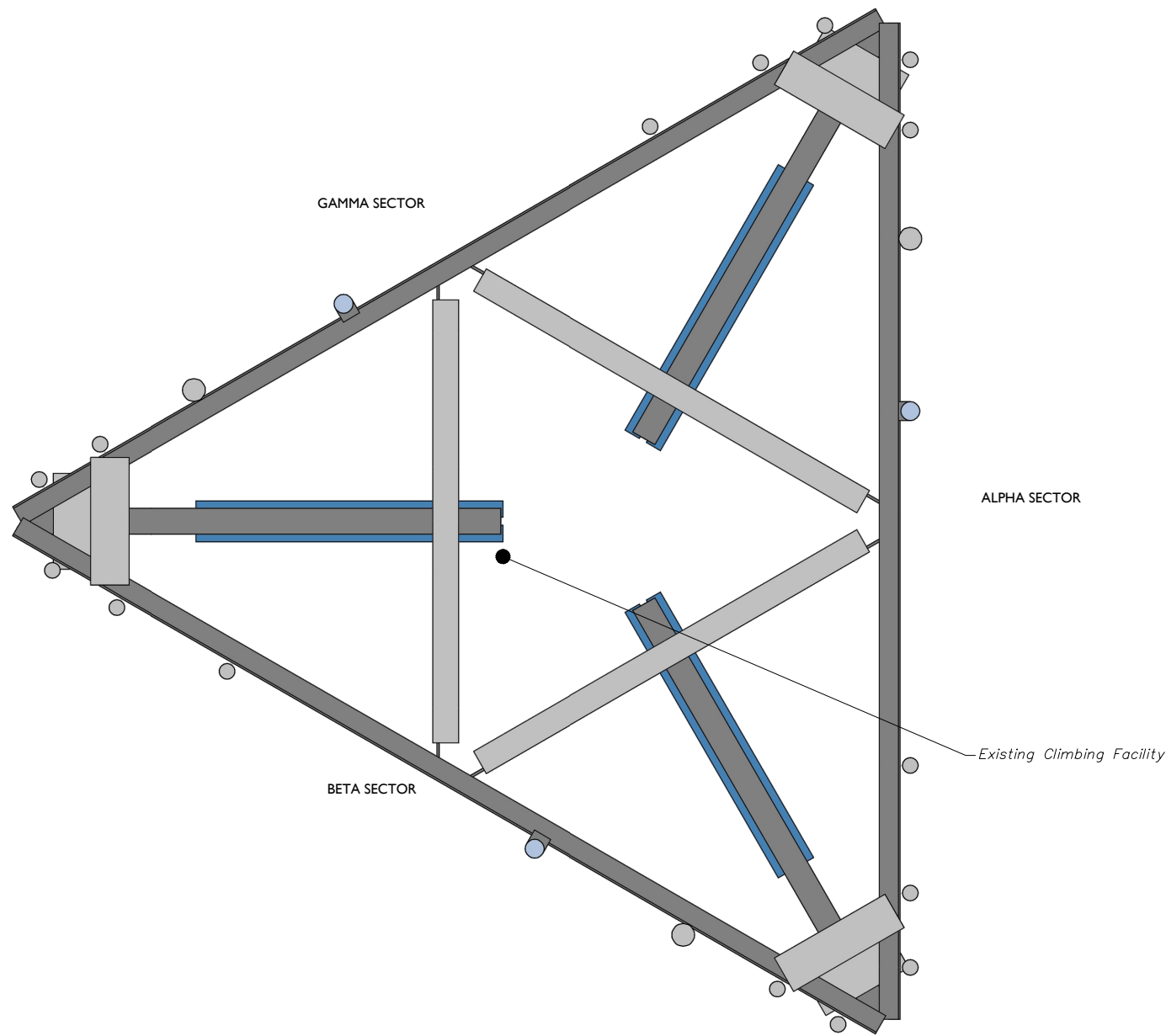
1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE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



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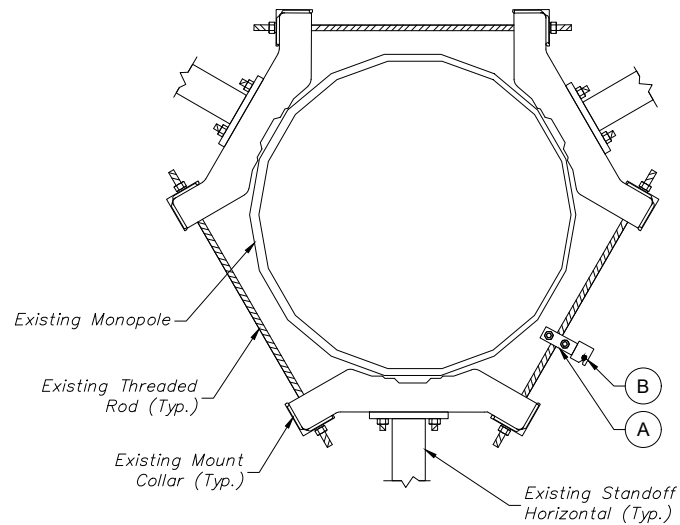
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468411
70 GUINEA RD.
STAMFORD, CT 06903
FAIRFIELD COUNTY



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

STRUCTURAL NOTES:

- PER THE MOUNT MAPPING COMPLETED BY TOWER ENGINEERING PROFESSIONALS ON 6/29/2022, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (138'-11") ARE IN GOOD CONDITION. COLLIERS ENGINEERING & DESIGN DOES NOT WARRANT THIS INFORMATION.
- INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.



ITEM #	QTY	PART NUMBER	DESCRIPTIONS
A	1	PV-SCRB-RM-U	ROUTING BRACKET (PERFECT VISION OR EOR APPROVED EQ.)
B	1	PV-CMX-CG-BO	WIRE ROPE GUIDE (PERFECT VISION OR EOR APPROVED EQ.)

2 PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW
SCALE : N.T.S.

NOTE: CONTRACTOR SHALL ENSURE THAT WIRE ROPE GUIDE DOES NOT PUSH THE WIRE ROPE OUTSIDE OF THE VERTICAL PLANE OF THE SAFETY CLIMB. CONTRACT EOR WITH PHOTOS OF SAFETY CLIMB AND COLLAR FOR FURTHER DIRECTION IF NEEDED.



Existing Safety Climb
Existing Climbing Facility

CLIMBING FACILITY PHOTO



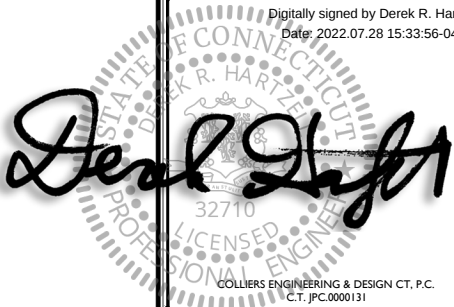
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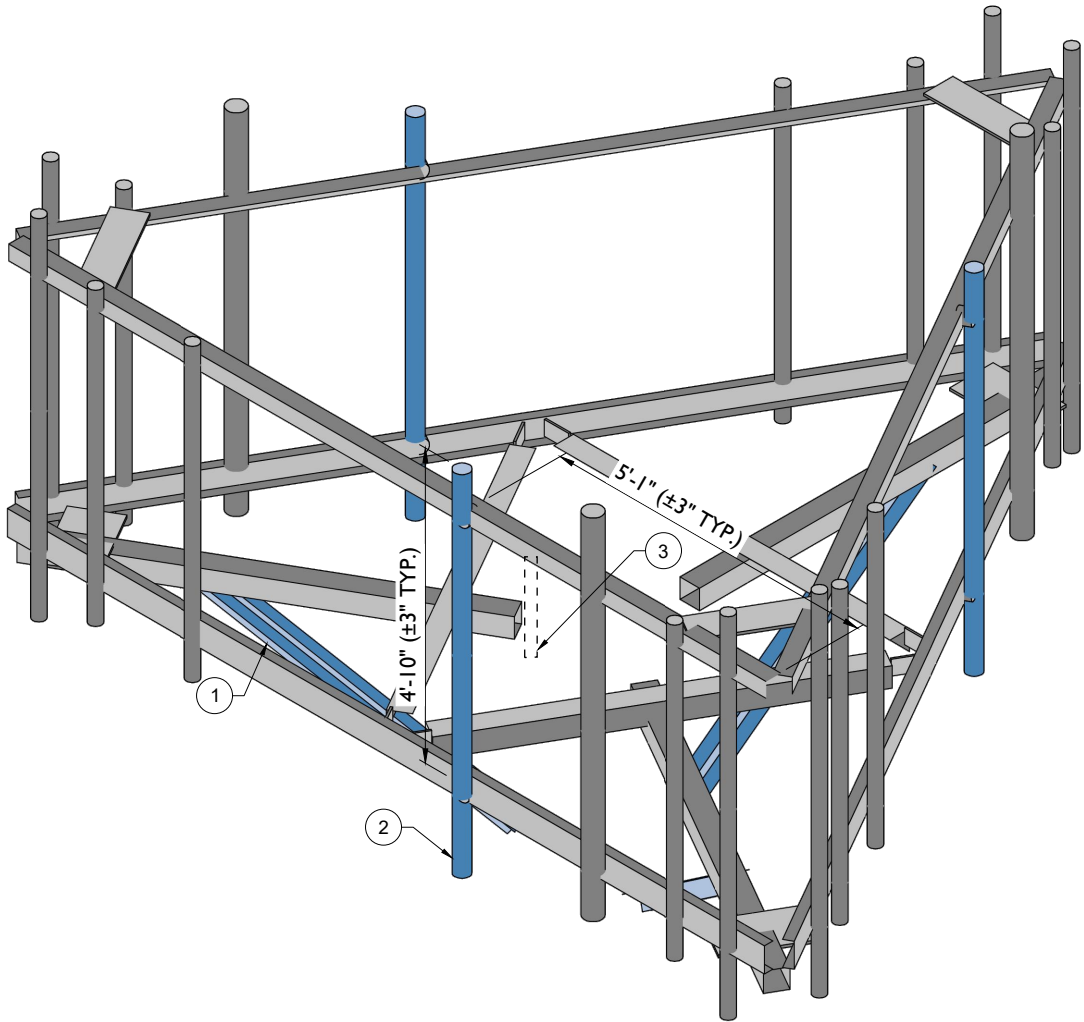
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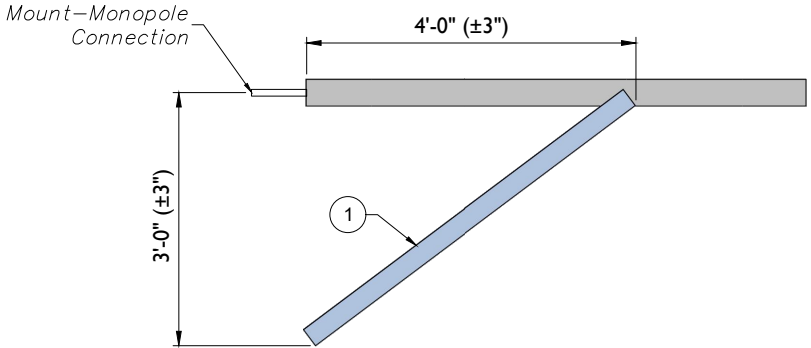
PROPOSED
RELOCATED
EXISTING

MOUNT MODIFICATION SCHEDULE				
NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	138'-11"	1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7). SEE GENERAL NOTE A.
2		3	PROPOSED 72" LONG, P2 1/2 STD (PART #: VZWSMART-P40-278X072)	CONTRACTOR TO REMOVE EXISTING MOUNT PIPE IN POSITION 4 (AS SEEN FROM BEHIND THE MOUNT) AND ALL ASSOCIATED HARDWARE. CONNECT NEW MOUNT PIPE TO EXISTING FACE HORIZONTAL WITH TWO (2) 1/2" DIA. J429 GR-2 U-BOLTS AND TO SUPPORT RAIL WITH ONE (1) 1/2" DIA. J429 GR-2 U-BOLT. CONTRACTOR SHALL DRILL HOLES AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.
3		1	REMOVE EXISTING OVP PIPE	CONTRACTOR TO REMOVE EXISTING OVP PIPE BOLTED TO PLATFORM GRATING AND ALL ASSOCIATED HARDWARE.
<u>GENERAL NOTES:</u> A. THREADED ROD FROM PROPOSED KITS SHALL BE TRIMMED TO EXTEND NO MORE THAN 3" BEYOND THE LOCK NUT. TREAT ALL CUT ENDS WITH (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC KOTE). B. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.				



PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.



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Doing Business as



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FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT:
WWW.CALL811.COM

SCALE : AS SHOWN

JOB NUMBER: 22777018A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	07/28/22	ISSUED FOR CONSTRUCTION	GA	DRH

Digitally signed by Derek R. Hartzell
Date: 2022.07.28 15:33:56-04'00'



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

SITE NAME:

RIVERBANK CT
468411

70 GUINEA RD.
STAMFORD, CT 06903
FAIRFIELD COUNTY



Engineering
& Design

STAMFORD
1055 Washington Boulevard

Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
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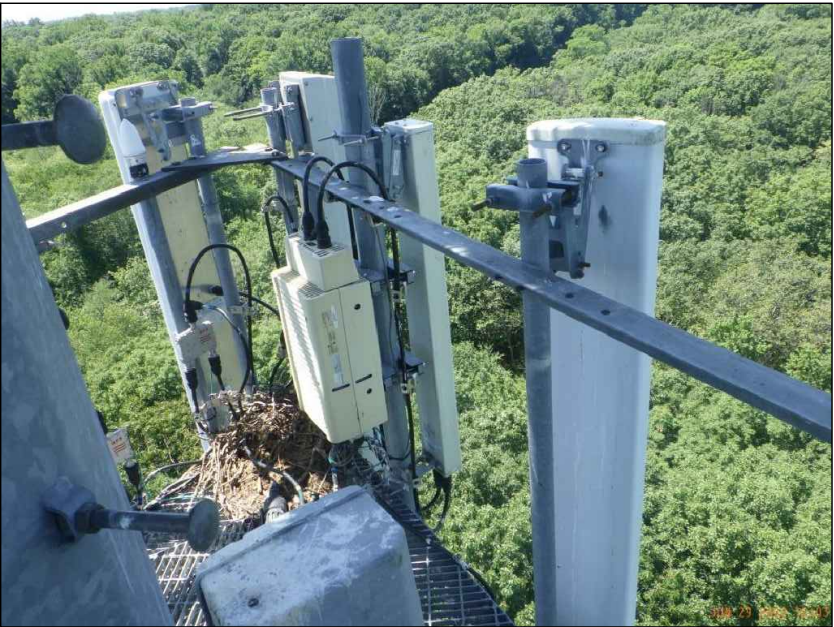
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SHEET NUMBER:

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MOUNT PHOTO 1



MOUNT PHOTO 2

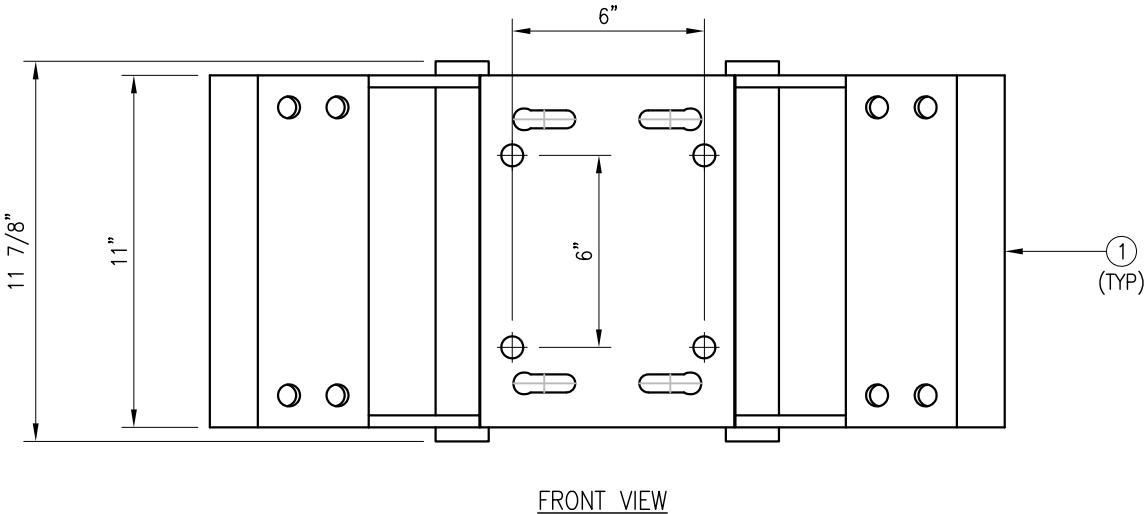
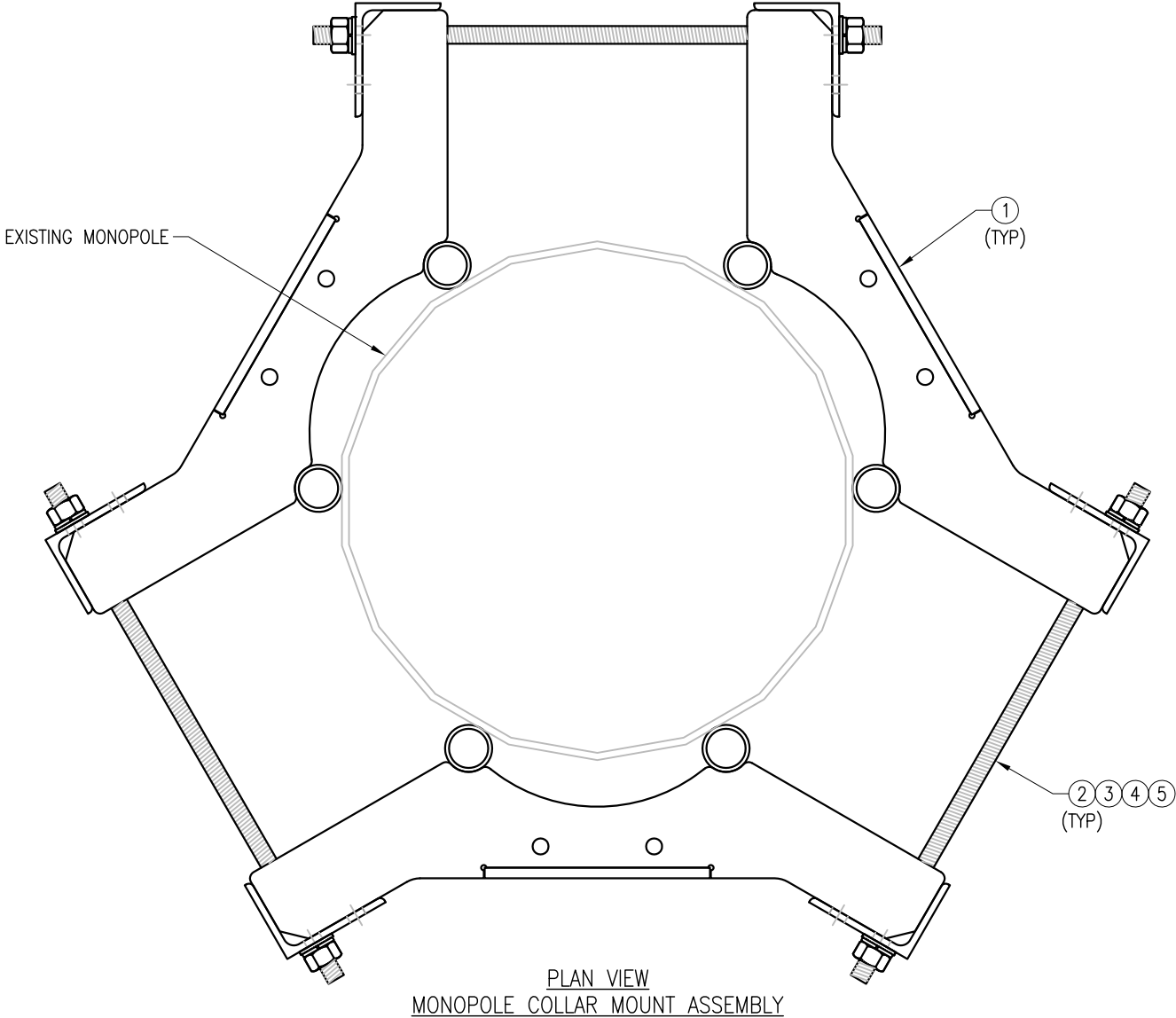


MOUNT PHOTO 3



MOUNT PHOTO 4

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	07/28/22	ISSUED FOR CONSTRUCTION	GA	DRH



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

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

DRAWN BY: BT CHECKED BY: HMA/KW

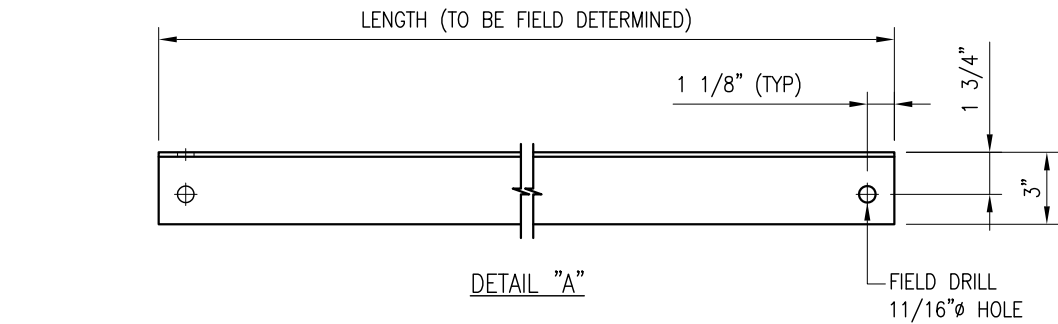
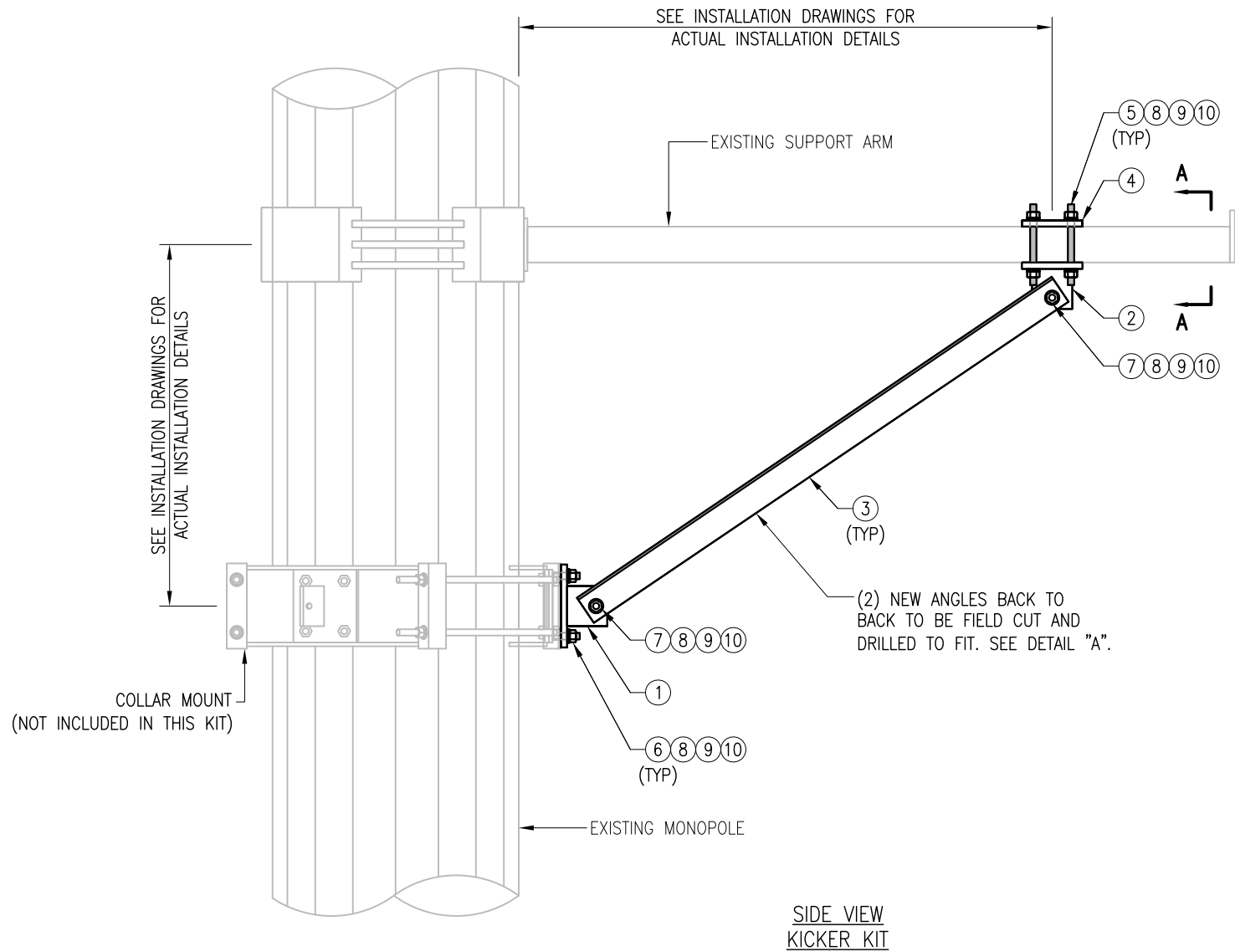
REV.	DESCRIPTION	BY	DATE
△	FIRST ISSUE	BT	05/11/20
△			
△			
△			

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VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

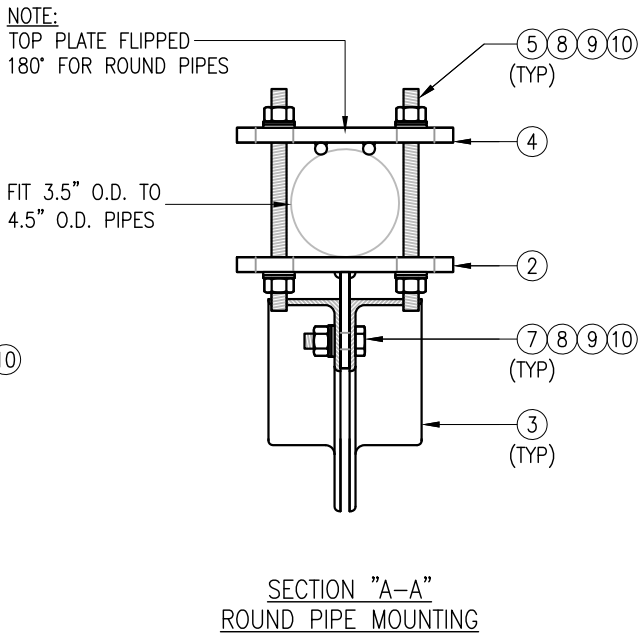
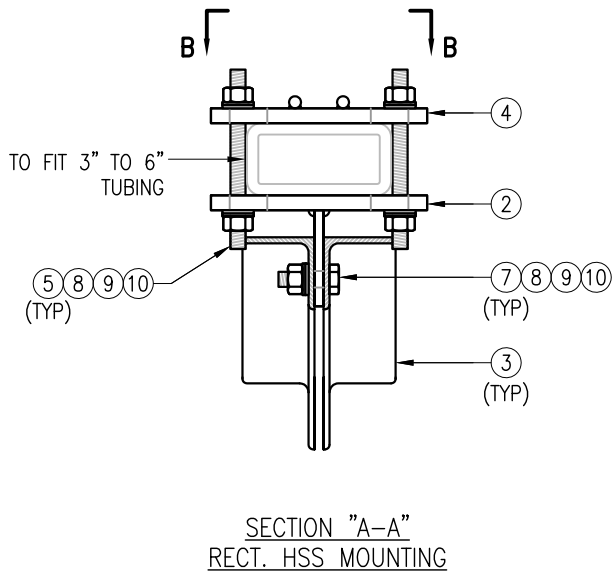
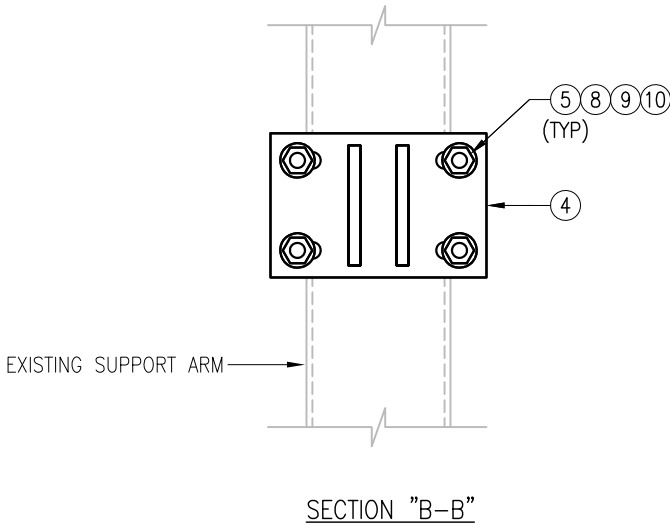
SHEET NUMBER:
VZWSMART-PLK7

REV #:
0

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



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



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

VzW
SMART Tool[®]
Vendor

verizon

DRAWN BY: MN CHECKED BY: HMA/KW

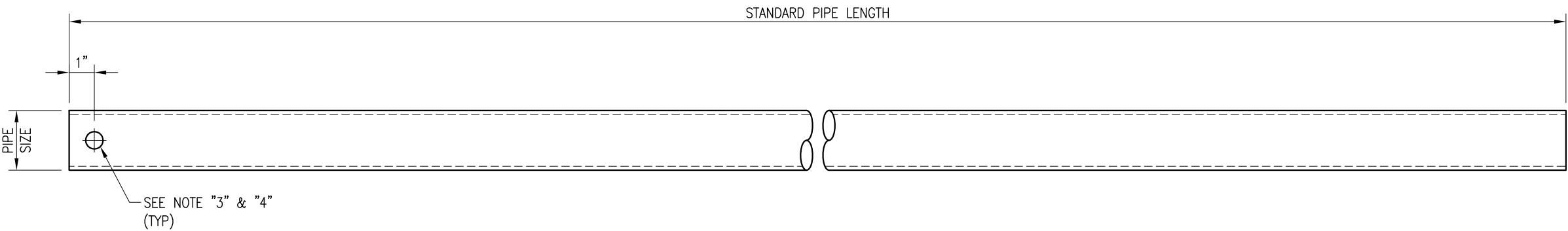
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	MN	05/08/20

SHEET TITLE:

VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: REV #:

VZWSMART-PLK5 0



VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION
PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE.
SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

- NOTES:
1. ALL PIPE GRADE A53-B OR BETTER.
 2. HOT-DIPPED GALVANIZED PER ASTM A123.
 3. ALL HOLES ARE 11/16" DIA. U.N.O
 4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
 5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

VzW
SMART Tool[©]
Vendor



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REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	BT	08/04/21

SHEET TITLE:

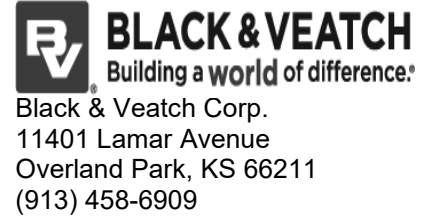
VZWSMART
STANDARD PIPE

SHEET NUMBER:	REV #:
VZWSMART-PIPE	0

Exhibit D

Structural Analysis Report

Date: **January 30, 2023**



Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 468411
Site Name: Riverbank, CT

Crown Castle Designation: **BU Number:** 806953
Site Name: BRG 2044 (A) 943097
JDE Job Number: 740083
Work Order Number: 2199463
Order Number: 644295 Rev. 0

Engineering Firm Designation: **Black & Veatch Corp. Project Number:** 406642

Site Data: **69 Guinea Rd (Camp Rocky Craig), Stamford, Fairfield County, CT**
Latitude 41° 6' 6.3", Longitude -73° 35' 40"
160 Foot - Monopole Tower

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

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

LC7: Proposed Equipment Configuration

Sufficient Capacity - 70.4%

This analysis utilizes an ultimate 3-second gust wind speed of 116 mph as required by the 2022 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Khushal Patel

Respectfully submitted by:

Ping Jiang, P.E.
Professional Engineer



Jan 30, 2023

Digitally signed by Ping Jiang
Date: 2023.01.30 11:51:54-06'00'

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1) INTRODUCTION

This tower is a 160 ft Monopole tower designed by Valmont Microflect.

The tower has been modified multiple times in the past to accommodate additional loading.

The tower has been modified per reinforcement drawings prepared by Aero Solutions LLC, in August of 2009. Reinforcement consists of addition of base plate stiffeners. This modification has not been considered due to a lack of a post modification inspection report.

The tower was later modified per reinforcement drawings prepared by Paul J. Ford & Company in October of 2012. Reinforcement consisted of addition of flat plate reinforcement from 1.75' to 16.75' and 77' to 82'. It also consists of the installation of transition stiffeners. Refer to Modification Inspection report by Tower Engineering Professionals, Inc. in August of 2013. These modifications were found to be ineffective.

The tower was later modified per reinforcement drawings prepared by Paul J. Ford & Company in April of 2014. Reinforcement consisted of addition of flat plate reinforcement from 12.25' to 32.25', 32.33' to 52.33', and 78.5' to 88.5'. Refer to Modification Inspection Report by Sinnott Gering and Schmitt Towers, Inc. in August of 2014. The 78.5' to 88.5' reinforcements were found to be effective, and all others were found to be ineffective.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	116 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Seismic Ss:	0.253
Seismic S1:	0.07
Service Wind Speed:	60 mph
Seismic Loading:	Does not control per engineering judgement

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)
139.0	142.0	6	andrew	DB846F65ZAXY w/ Mount Pipe	7	1 5/8
		6	jma wireless	MX06FRO860-03 w/ Mount Pipe		
		1	raycap	RVZDC-6627-PF-48		
		6	rfs celwave	FD9R6004/2C-3L		
		3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		3	samsung telecommunications	RF4439D-25A		
		3	samsung telecommunications	RF4440D-13A		
	139.0	1	cci tower mounts (v2.1)	Platform Mount [LP 713-1]		

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)
157.0	158.0	3	commscope	VV-65B-R1_TMO w/ Mount Pipe	3	1 5/8
		3	ericsson	AIR 6419 B41_TMO w/ Mount Pipe		
		3	ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	ericsson	Radio 4480_TMOV2		
		3	rfs celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
	157.0	1	cci tower mounts (v2.1)	Platform Mount [13' LP 713-1]		
149.0	151.0	3	cci antennas	HPA-65R-BUU-H6 w/ Mount Pipe	2 4 2 6 1	3/8 5/8 3/4 1 5/8 2"conduit
		3	ericsson	RRUS 32 B30		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 8843 B2/B66A		
		3	kmw communications	EPBQ-654L8H6-L2 w/ Mount Pipe		
		3	powerwave technologies	7770.00 w/ Mount Pipe		
	149.0	1	cci tower mounts (v2.1)	Platform Mount [13' LP 713-1]		
		3	ericsson	RRUS 11 B12		
		6	powerwave technologies	LGP21401		
		3	raycap	DC6-48-60-18-8F		
129.0	129.0	3	fujitsu	TA08025-B604	1	1 1/2
		3	fujitsu	TA08025-B605		
		3	jma wireless	MX08FRO665-21 w/ Mount Pipe		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		
116.0	118.0	3	ericsson	AIR 32 B2A/B66AA w/ Mount Pipe	10	1 5/8
		3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe		
		3	ericsson	KRY 112 144/1		
		3	ericsson	RADIO 4449 B12/B71		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
	116.0	1	cci tower mounts (v2.1)	Miscellaneous [NA 507-1]		
		1	cci tower mounts (v2.1)	Platform Mount [LP 712-1]		
84.0	84.0	1	cci tower mounts (v2.1)	Side Arm Mount [4' SO 702-1]	-	-
		1	gps	GPS_A		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
40.0	40.0	1	andrew	GPS-QBW-20N	-	-
		1	cci tower mounts (v2.1)	Pipe Mount [PM 601-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	5749621	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	1104113	CCISITES
4-TOWER MANUFACTURER DRAWINGS	823122	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	1251715	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	3332716	CCISITES
4-POST-MODIFICATION INSPECTION	4015064	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	4837035	CCISITES
4-POST-MODIFICATION INSPECTION	5577141	CCISITES

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

tnxTower was used to determine the loads on the modified structure. Additional calculations were performed to determine the stresses in the pole and in the reinforcing elements. These calculations are presented in Appendix C.

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

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

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160 - 155	Pole	TP20.801x19.6x0.25	Pole	2.7%	Pass
155 - 150	Pole	TP22.002x20.801x0.25	Pole	6.6%	Pass
150 - 145	Pole	TP23.203x22.002x0.25	Pole	14.0%	Pass

145 - 140	Pole	TP24.404x23.203x0.25	Pole	20.1%	Pass
140 - 135	Pole	TP25.605x24.404x0.25	Pole	30.8%	Pass
135 - 130	Pole	TP26.806x25.605x0.25	Pole	39.2%	Pass
130 - 125	Pole	TP28.007x26.806x0.25	Pole	48.1%	Pass
125 - 120	Pole	TP29.208x28.007x0.25	Pole	56.2%	Pass
120 - 116	Pole	TP31.29x29.208x0.25	Pole	62.1%	Pass
116 - 111	Pole	TP30.867x29.669x0.3438	Pole	46.9%	Pass
111 - 106	Pole	TP32.065x30.867x0.3438	Pole	51.4%	Pass
106 - 101	Pole	TP33.263x32.065x0.3438	Pole	55.5%	Pass
101 - 96	Pole	TP34.461x33.263x0.3438	Pole	59.1%	Pass
96 - 91	Pole	TP35.659x34.461x0.3438	Pole	62.5%	Pass
91 - 86	Pole	TP36.857x35.659x0.3438	Pole	65.6%	Pass
86 - 85.75	Pole + Reinf.	TP36.917x36.857x0.5125	Reinf. 5 Tension Rupture	62.5%	Pass
85.75 - 81	Pole + Reinf.	TP38.055x36.917x0.5063	Reinf. 5 Tension Rupture	64.8%	Pass
81 - 80.75	Pole	TP38.115x38.055x0.3438	Pole	68.5%	Pass
80.75 - 80.5	Pole	TP38.175x38.115x0.3438	Pole	68.7%	Pass
80.5 - 79	Pole	TP39.912x38.175x0.3438	Pole	69.5%	Pass
79 - 72.25	Pole	TP39.467x37.847x0.4063	Pole	59.6%	Pass
72.25 - 67.25	Pole	TP40.667x39.467x0.4063	Pole	61.3%	Pass
67.25 - 62.25	Pole	TP41.867x40.667x0.4063	Pole	62.8%	Pass
62.25 - 57.25	Pole	TP43.067x41.867x0.4063	Pole	64.3%	Pass
57.25 - 52.25	Pole	TP44.268x43.067x0.4063	Pole	65.7%	Pass
52.25 - 49.83	Pole	TP44.848x44.268x0.4063	Pole	66.3%	Pass
49.83 - 49.58	Pole	TP44.908x44.848x0.4063	Pole	66.4%	Pass
49.58 - 44.58	Pole	TP46.109x44.908x0.4063	Pole	67.7%	Pass
44.58 - 43	Pole	TP48.088x46.109x0.4063	Pole	68.1%	Pass
43 - 35.33	Pole	TP47.516x45.675x0.4375	Pole	64.7%	Pass
35.33 - 32.25	Pole	TP48.256x47.516x0.4375	Pole	65.2%	Pass
32.25 - 32	Pole	TP48.317x48.256x0.4375	Pole	65.3%	Pass
32 - 27	Pole	TP49.517x48.317x0.4375	Pole	66.2%	Pass
27 - 22	Pole	TP50.718x49.517x0.4375	Pole	67.0%	Pass
22 - 17	Pole	TP51.918x50.718x0.4375	Pole	67.8%	Pass
17 - 15.5	Pole	TP52.278x51.918x0.4375	Pole	68.1%	Pass
15.5 - 15.25	Pole	TP52.338x52.278x0.4375	Pole	68.1%	Pass
15.25 - 14.75	Pole	TP52.458x52.338x0.4375	Pole	68.2%	Pass
14.75 - 14.5	Pole	TP52.518x52.458x0.4375	Pole	68.2%	Pass
14.5 - 9.5	Pole	TP53.719x52.518x0.4375	Pole	69.0%	Pass
9.5 - 4.5	Pole	TP54.92x53.719x0.4375	Pole	69.8%	Pass
4.5 - 0	Pole	TP56x54.92x0.4375	Pole	70.4%	Pass
				Summary	

			Pole	70.4%	Pass
			Reinforcement	64.8%	Pass
			Overall	70.4%	Pass

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

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	56.7	Pass
1	Base Plate	0	41.1	Pass
1	Base Foundation (Structure)	0	22.9	Pass
1	Base Foundation (Soil Interaction)	0	65.3	Pass

Structure Rating (max from all components) =	70.4%
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Note:

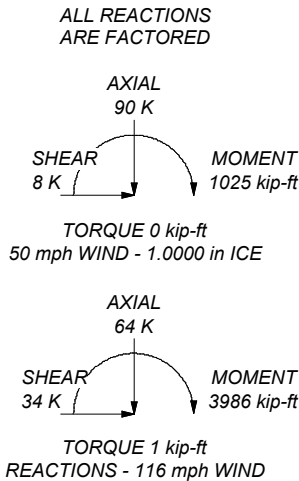
- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed. Rating per TIA-222-H Section 15.5.

4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

A572-65

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

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 116 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 70.4%

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 Fairfield County, Connecticut.
- Tower base elevation above sea level: 247.00 ft.
- Basic wind speed of 116 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- TOWER RATING: 70.4%.
- 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	Retention 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.
Include Bolts In Member Capacity	Autocalc Torque Arm Areas	Exemption
Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Use TIA-222-H Tension Splice
Secondary Horizontal Braces Leg	Sort Capacity Reports By Component	Exemption
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	

Poles

- ✓ Include Shear-Torsion Interaction
- Always Use Sub-Critical Flow
- Use Top Mounted Sockets
- Pole Without Linear Attachments
- Pole With Shroud Or No
- Appurtenances
- Outside and Inside Corner Radii Are Known

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	160.00-155.00	5.00	0.00	12	19.6000	20.8010	0.2500	1.0000	A572-65 (65 ksi)
L2	155.00-150.00	5.00	0.00	12	20.8010	22.0021	0.2500	1.0000	A572-65 (65 ksi)
L3	150.00-145.00	5.00	0.00	12	22.0021	23.2031	0.2500	1.0000	A572-65 (65 ksi)
L4	145.00-140.00	5.00	0.00	12	23.2031	24.4041	0.2500	1.0000	A572-65 (65 ksi)
L5	140.00-135.00	5.00	0.00	12	24.4041	25.6051	0.2500	1.0000	A572-65 (65 ksi)
L6	135.00-130.00	5.00	0.00	12	25.6051	26.8062	0.2500	1.0000	A572-65 (65 ksi)
L7	130.00-125.00	5.00	0.00	12	26.8062	28.0072	0.2500	1.0000	A572-65 (65 ksi)
L8	125.00-120.00	5.00	0.00	12	28.0072	29.2082	0.2500	1.0000	A572-65 (65 ksi)
L9	120.00-111.33	8.67	4.67	12	29.2082	31.2900	0.2500	1.0000	A572-65 (65 ksi)
L10	111.33-111.00	5.00	0.00	12	29.6690	30.8670	0.3438	1.3750	A572-65 (65 ksi)
L11	111.00-106.00	5.00	0.00	12	30.8670	32.0650	0.3438	1.3750	A572-65 (65 ksi)
L12	106.00-101.00	5.00	0.00	12	32.0650	33.2631	0.3438	1.3750	A572-65 (65 ksi)
L13	101.00-96.00	5.00	0.00	12	33.2631	34.4611	0.3438	1.3750	A572-65 (65 ksi)
L14	96.00-91.00	5.00	0.00	12	34.4611	35.6591	0.3438	1.3750	A572-65 (65 ksi)
L15	91.00-86.00	5.00	0.00	12	35.6591	36.8571	0.3438	1.3750	A572-65 (65 ksi)
L16	86.00-85.75	0.25	0.00	12	36.8571	36.9170	0.5125	2.0500	A572-65 (65 ksi)
L17	85.75-81.00	4.75	0.00	12	36.9170	38.0551	0.5062	2.0250	A572-65 (65 ksi)
L18	81.00-80.75	0.25	0.00	12	38.0551	38.1150	0.3438	1.3750	A572-65 (65 ksi)
L19	80.75-80.50	0.25	0.00	12	38.1150	38.1749	0.3438	1.3750	A572-65 (65 ksi)
L20	80.50-73.25	7.25	5.75	12	38.1749	39.9120	0.3438	1.3750	A572-65 (65 ksi)
L21	73.25-72.25	6.75	0.00	12	37.8468	39.4670	0.4063	1.6250	A572-65 (65 ksi)
L22	72.25-67.25	5.00	0.00	12	39.4670	40.6671	0.4063	1.6250	A572-65 (65 ksi)
L23	67.25-62.25	5.00	0.00	12	40.6671	41.8673	0.4063	1.6250	A572-65 (65 ksi)
L24	62.25-57.25	5.00	0.00	12	41.8673	43.0674	0.4063	1.6250	A572-65 (65 ksi)
L25	57.25-52.25	5.00	0.00	12	43.0674	44.2675	0.4063	1.6250	A572-65 (65 ksi)
L26	52.25-49.83	2.42	0.00	12	44.2675	44.8484	0.4063	1.6250	A572-65 (65 ksi)
L27	49.83-49.58	0.25	0.00	12	44.8484	44.9084	0.4063	1.6250	A572-65 (65 ksi)
L28	49.58-44.58	5.00	0.00	12	44.9084	46.1086	0.4063	1.6250	A572-65 (65 ksi)
L29	44.58-36.33	8.25	6.67	12	46.1086	48.0880	0.4063	1.6250	A572-65 (65 ksi)
L30	36.33-35.33	7.67	0.00	12	45.6753	47.5161	0.4375	1.7500	A572-65 (65 ksi)
L31	35.33-32.25	3.08	0.00	12	47.5161	48.2565	0.4375	1.7500	A572-65 (65 ksi)
L32	32.25-32.00	0.25	0.00	12	48.2565	48.3165	0.4375	1.7500	A572-65 (65 ksi)
L33	32.00-27.00	5.00	0.00	12	48.3165	49.5171	0.4375	1.7500	A572-65 (65 ksi)
L34	27.00-22.00	5.00	0.00	12	49.5171	50.7176	0.4375	1.7500	A572-65 (65 ksi)
L35	22.00-17.00	5.00	0.00	12	50.7176	51.9181	0.4375	1.7500	A572-65

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
L36	17.00-15.50	1.50	0.00	12	51.9181	52.2783	0.4375	1.7500	(65 ksi) A572-65
L37	15.50-15.25	0.25	0.00	12	52.2783	52.3383	0.4375	1.7500	(65 ksi) A572-65
L38	15.25-14.75	0.50	0.00	12	52.3383	52.4584	0.4375	1.7500	(65 ksi) A572-65
L39	14.75-14.50	0.25	0.00	12	52.4584	52.5184	0.4375	1.7500	(65 ksi) A572-65
L40	14.50-9.50	5.00	0.00	12	52.5184	53.7190	0.4375	1.7500	(65 ksi) A572-65
L41	9.50-4.50	5.00	0.00	12	53.7190	54.9195	0.4375	1.7500	(65 ksi) A572-65
L42	4.50-0.00	4.50		12	54.9195	56.0000	0.4375	1.7500	(65 ksi) A572-65

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	20.2032	15.5768	744.4315	6.9273	10.1528	73.3228	1508.4200	7.6664	4.5828	18.331
	21.4466	16.5436	891.8306	7.3573	10.7749	82.7690	1807.0907	8.1422	4.9047	19.619
L2	21.4466	16.5436	891.8306	7.3573	10.7749	82.7690	1807.0907	8.1422	4.9047	19.619
	22.6900	17.5104	1057.5054	7.7872	11.3971	92.7875	2142.7927	8.6181	5.2266	20.906
L3	22.6900	17.5104	1057.5054	7.7872	11.3971	92.7875	2142.7927	8.6181	5.2266	20.906
	23.9334	18.4772	1242.5238	8.2172	12.0192	103.3783	2517.6901	9.0939	5.5484	22.194
L4	23.9334	18.4772	1242.5238	8.2172	12.0192	103.3783	2517.6901	9.0939	5.5484	22.194
	25.1768	19.4441	1447.9540	8.6472	12.6413	114.5413	2933.9473	9.5698	5.8703	23.481
L5	25.1768	19.4441	1447.9540	8.6472	12.6413	114.5413	2933.9473	9.5698	5.8703	23.481
	26.4202	20.4109	1674.8638	9.0771	13.2635	126.2766	3393.7282	10.0456	6.1922	24.769
L6	26.4202	20.4109	1674.8638	9.0771	13.2635	126.2766	3393.7282	10.0456	6.1922	24.769
	27.6636	21.3777	1924.3215	9.5071	13.8856	138.5841	3899.1971	10.5215	6.5141	26.056
L7	27.6636	21.3777	1924.3215	9.5071	13.8856	138.5841	3899.1971	10.5215	6.5141	26.056
	28.9070	22.3445	2197.3950	9.9371	14.5077	151.4638	4452.5181	10.9973	6.8359	27.344
L8	28.9070	22.3445	2197.3950	9.9371	14.5077	151.4638	4452.5181	10.9973	6.8359	27.344
	30.1504	23.3114	2495.1525	10.3670	15.1299	164.9158	5055.8554	11.4731	7.1578	28.631
L9	30.1504	23.3114	2495.1525	10.3670	15.1299	164.9158	5055.8554	11.4731	7.1578	28.631
	32.3056	24.9872	3072.8897	11.1123	16.2082	189.5883	6226.5076	12.2979	7.7157	30.863
L10	31.7520	32.4594	3562.9621	10.4985	15.3686	231.8345	7219.5272	15.9755	7.0301	20.451
	31.8347	33.7855	4017.7104	10.9273	15.9891	251.2776	8140.9705	16.6282	7.3511	21.385
L11	31.8347	33.7855	4017.7104	10.9273	15.9891	251.2776	8140.9705	16.6282	7.3511	21.385
	33.0749	35.1115	4509.5939	11.3562	16.6097	271.5037	9137.6598	17.2808	7.6722	22.319
L12	33.0749	35.1115	4509.5939	11.3562	16.6097	271.5037	9137.6598	17.2808	7.6722	22.319
	34.3152	36.4376	5040.0702	11.7851	17.2303	292.5127	10212.548	17.9335	7.9932	23.253
L13	34.3152	36.4376	5040.0702	11.7851	17.2303	292.5127	10212.548	17.9335	7.9932	23.253
	35.5555	37.7636	5610.5968	12.2140	17.8508	314.3045	11368.590	18.5861	8.3143	24.187
L14	35.5555	37.7636	5610.5968	12.2140	17.8508	314.3045	11368.590	18.5861	8.3143	24.187
	36.7957	39.0896	6222.6312	12.6429	18.4714	336.8792	12608.737	19.2387	8.6354	25.121
L15	36.7957	39.0896	6222.6312	12.6429	18.4714	336.8792	12608.737	19.2387	8.6354	25.121
	38.0360	40.4157	6877.6309	13.0718	19.0920	360.2369	13935.944	19.8914	8.9564	26.055
L16	37.9765	59.9776	10112.409	13.0114	19.0920	529.6683	20490.484	29.5192	8.5042	16.594
	38.0385	60.0765	10162.491	13.0328	19.1230	531.4278	20591.963	29.5678	8.5203	16.625
L17	38.0407	59.3540	10043.730	13.0350	19.1230	525.2174	20351.320	29.2123	8.5370	16.863
	39.2189	61.2093	11015.300	13.4425	19.7125	558.7968	22319.985	30.1254	8.8420	17.466

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
L18	39.2763	41.7417	7577.0535	13.5007	19.7125	384.3774	15353.164	20.5440	9.2775	26.989
	39.3383	41.8080	7613.2169	13.5221	19.7436	385.6050	15426.441	20.5766	9.2936	27.036
L19	39.3383	41.8080	7613.2169	13.5221	19.7436	385.6050	15426.441	20.5766	9.2936	27.036
	39.4003	41.8743	7649.4951	13.5435	19.7746	386.8345	15499.951	20.6093	9.3096	27.083
L20	39.4003	41.8743	7649.4951	13.5435	19.7746	386.8345	15499.951	20.6093	9.3096	27.083
	41.1987	43.7971	8752.3577	14.1654	20.6744	423.3424	17734.649	21.5556	9.7752	28.437
L21	40.4674	48.9769	8763.1762	13.4037	19.6046	446.9951	17756.570	24.1049	9.0542	22.287
	40.7159	51.0963	9950.7611	13.9837	20.4439	486.7351	20162.939	25.1481	9.4884	23.356
L22	40.7159	51.0963	9950.7611	13.9837	20.4439	486.7351	20162.939	25.1481	9.4884	23.356
	41.9584	52.6663	10896.442	14.4134	21.0656	517.2631	22079.146	25.9207	9.8100	24.148
L23	41.9584	52.6663	10896.442	14.4134	21.0656	517.2631	22079.146	25.9207	9.8100	24.148
	43.2009	54.2362	11900.217	14.8430	21.6872	548.7197	24113.067	26.6934	10.1317	24.94
L24	43.2009	54.2362	11900.217	14.8430	21.6872	548.7197	24113.067	26.6934	10.1317	24.94
	44.4433	55.8061	12963.819	15.2727	22.3089	581.1049	26268.212	27.4661	10.4533	25.731
L25	44.4433	55.8061	12963.819	15.2727	22.3089	581.1049	26268.212	27.4661	10.4533	25.731
	45.6858	57.3761	14088.978	15.7023	22.9306	614.4186	28548.090	28.2387	10.7750	26.523
L26	45.6858	57.3761	14088.978	15.7023	22.9306	614.4186	28548.090	28.2387	10.7750	26.523
	46.2872	58.1359	14656.178	15.9103	23.2315	630.8758	29697.390	28.6127	10.9306	26.906
L27	46.2872	58.1359	14656.178	15.9103	23.2315	630.8758	29697.390	28.6127	10.9306	26.906
	46.3493	58.2144	14715.625	15.9318	23.2626	632.5884	29817.847	28.6514	10.9467	26.946
L28	46.3493	58.2144	14715.625	15.9318	23.2626	632.5884	29817.847	28.6514	10.9467	26.946
	47.5918	59.7843	15938.580	16.3614	23.8842	667.3264	32295.885	29.4240	11.2683	27.737
L29	47.5918	59.7843	15938.580	16.3614	23.8842	667.3264	32295.885	29.4240	11.2683	27.737
	49.6411	62.3737	18100.549	17.0701	24.9096	726.6500	36676.620	30.6984	11.7988	29.043
L30	48.7894	63.7288	16646.557	16.1951	23.6598	703.5796	33730.438	31.3654	11.0685	25.299
	49.0380	66.3220	18762.550	16.8542	24.6134	762.2911	38018.013	32.6417	11.5618	26.427
L31	49.0380	66.3220	18762.550	16.8542	24.6134	762.2911	38018.013	32.6417	11.5618	26.427
	49.8044	67.3650	19661.686	17.1192	24.9969	786.5664	39839.906	33.1550	11.7602	26.881
L32	49.8044	67.3650	19661.686	17.1192	24.9969	786.5664	39839.906	33.1550	11.7602	26.881
	49.8666	67.4495	19735.823	17.1407	25.0279	788.5513	39990.128	33.1966	11.7763	26.917
L33	49.8666	67.4495	19735.823	17.1407	25.0279	788.5513	39990.128	33.1966	11.7763	26.917
	51.1095	69.1408	21257.962	17.5705	25.6498	828.7759	43074.395	34.0290	12.0981	27.653
L34	51.1095	69.1408	21257.962	17.5705	25.6498	828.7759	43074.395	34.0290	12.0981	27.653
	52.3524	70.8321	22856.420	18.0003	26.2717	870.0011	46313.304	34.8614	12.4198	28.388
L35	52.3524	70.8321	22856.420	18.0003	26.2717	870.0011	46313.304	34.8614	12.4198	28.388

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
	53.5953	72.5234	24533.063 4	18.4301	26.8936	912.2269	49710.637 8	35.6938	12.7416	29.124
L36	53.5953	72.5234	24533.063 4	18.4301	26.8936	912.2269	49710.637 8	35.6938	12.7416	29.124
	53.9682	73.0307	25051.581 6	18.5590	27.0802	925.0898	50761.296 1	35.9435	12.8381	29.344
L37	53.9682	73.0307	25051.581 6	18.5590	27.0802	925.0898	50761.296 1	35.9435	12.8381	29.344
	54.0303	73.1153	25138.705 3	18.5805	27.1113	927.2423	50937.832 3	35.9851	12.8542	29.381
L38	54.0303	73.1153	25138.705 3	18.5805	27.1113	927.2423	50937.832 3	35.9851	12.8542	29.381
	54.1546	73.2844	25313.558 2	18.6235	27.1734	931.5550	51292.131 7	36.0684	12.8863	29.455
L39	54.1546	73.2844	25313.558 2	18.6235	27.1734	931.5550	51292.131 7	36.0684	12.8863	29.455
	54.2167	73.3690	25401.287 8	18.6450	27.2045	933.7150	51469.895 8	36.1100	12.9024	29.491
L40	54.2167	73.3690	25401.287 8	18.6450	27.2045	933.7150	51469.895 8	36.1100	12.9024	29.491
	55.4596	75.0603	27198.709 1	19.0748	27.8264	977.4418	55111.958 7	36.9424	13.2242	30.227
L41	55.4596	75.0603	27198.709 1	19.0748	27.8264	977.4418	55111.958 7	36.9424	13.2242	30.227
	56.7025	76.7515	29078.982 8	19.5046	28.4483	1022.1692	58921.902 8	37.7748	13.5459	30.962
L42	56.7025	76.7515	29078.982 8	19.5046	28.4483	1022.1692	58921.902 8	37.7748	13.5459	30.962
	57.8211	78.2737	30843.610 8	19.8914	29.0080	1063.2795	62497.517 6	38.5239	13.8355	31.624

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A _r	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
ft	ft ²	in							
L1 160.00- 155.00				1	1	1			
L2 155.00- 150.00				1	1	1			
L3 150.00- 145.00				1	1	1			
L4 145.00- 140.00				1	1	1			
L5 140.00- 135.00				1	1	1			
L6 135.00- 130.00				1	1	1			
L7 130.00- 125.00				1	1	1			
L8 125.00- 120.00				1	1	1			
L9 120.00- 111.33				1	1	1			
L10 111.33- 111.00				1	1	1			
L11 111.00- 106.00				1	1	1			
L12 106.00- 101.00				1	1	1			
L13 101.00- 96.00				1	1	1			
L14 96.00- 91.00				1	1	1			
L15 91.00- 86.00				1	1	1			
L16 86.00- 85.75				1	1	0.973888			
L17 85.75-				1	1	0.976445			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	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
ft	ft ²	in							
81.00									
L18 81.00-				1	1	1			
80.75									
L19 80.75-				1	1	1			
80.50									
L20 80.50-				1	1	1			
73.25									
L21 73.25-				1	1	1			
72.25									
L22 72.25-				1	1	1			
67.25									
L23 67.25-				1	1	1			
62.25									
L24 62.25-				1	1	1			
57.25									
L25 57.25-				1	1	1			
52.25									
L26 52.25-				1	1	1			
49.83									
L27 49.83-				1	1	1			
49.58									
L28 49.58-				1	1	1			
44.58									
L29 44.58-				1	1	1			
36.33									
L30 36.33-				1	1	1			
35.33									
L31 35.33-				1	1	1			
32.25									
L32 32.25-				1	1	1			
32.00									
L33 32.00-				1	1	1			
27.00									
L34 27.00-				1	1	1			
22.00									
L35 22.00-				1	1	1			
17.00									
L36 17.00-				1	1	1			
15.50									
L37 15.50-				1	1	1			
15.25									
L38 15.25-				1	1	1			
14.75									
L39 14.75-				1	1	1			
14.50									
L40 14.50-				1	1	1			
9.50									
L41 9.50-4.50				1	1	1			
L42 4.50-0.00				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
Safety Line 3/8	C	No	Surface Ar (CaAa)	160.00 - 10.00	1	1	-0.390 -0.380	0.3750		0.22

MK SR 1	A	No	Surface Af (CaAa)	16.75 - 1.75	1	1	0.000 0.000	4.0000	9.5000	10.21
MK SR 1	B	No	Surface Af (CaAa)	16.75 - 1.75	1	1	0.000 0.000	4.0000	9.5000	10.21

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
MK SR 1	C	No	Surface Af (CaAa)	16.75 - 1.75	1	1	0.000	4.0000	9.5000	10.21
MK SR 2	A	No	Surface Af (CaAa)	82.00 - 77.00	1	1	0.000	4.0000	9.5000	10.21
MK SR 2	B	No	Surface Af (CaAa)	82.00 - 77.00	1	1	0.000	4.0000	9.5000	10.21
MK SR 2	C	No	Surface Af (CaAa)	82.00 - 77.00	1	1	0.000	4.0000	9.5000	10.21
CCI-AFP-060100	A	No	Surface Af (CaAa)	32.25 - 12.25	1	1	0.000	6.0000	14.0000	20.42
CCI-AFP-060100	B	No	Surface Af (CaAa)	32.25 - 12.25	1	1	0.000	6.0000	14.0000	20.42
CCI-AFP-060100	C	No	Surface Af (CaAa)	32.25 - 12.25	1	1	0.000	6.0000	14.0000	20.42
CCI-AFP-060100	A	No	Surface Af (CaAa)	52.33 - 32.33	1	1	0.000	6.0000	14.0000	20.42
CCI-AFP-060100	B	No	Surface Af (CaAa)	52.33 - 32.33	1	1	0.000	6.0000	14.0000	20.42
CCI-AFP-060100	C	No	Surface Af (CaAa)	52.33 - 32.33	1	1	0.000	6.0000	14.0000	20.42
CCI-AFP-060100	A	No	Surface Af (CaAa)	88.50 - 78.50	1	1	0.000	6.0000	14.0000	0.00
CCI-AFP-060100	B	No	Surface Af (CaAa)	88.50 - 78.50	1	1	0.000	6.0000	14.0000	0.00
CCI-AFP-060100	C	No	Surface Af (CaAa)	88.50 - 78.50	1	1	0.000	6.0000	14.0000	0.00

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _{AA} ft ² /ft	Weight plf
157									
HB158-21U6S24- xxM_TMO(1-5/8)	C	No	No	Inside Pole	157.00 - 0.00	3	No Ice	0.00	2.50
							1/2" Ice	0.00	2.50
							1" Ice	0.00	2.50
149									
FB-L98B-002- 75000(3/8)	C	No	No	Inside Pole	149.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
WR-VG82ST- BRDA(5/8)	C	No	No	Inside Pole	149.00 - 0.00	2	No Ice	0.00	0.31
							1/2" Ice	0.00	0.31
							1" Ice	0.00	0.31
FB-L98B-002- 75000(3/8)	C	No	No	Inside Pole	149.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
WR-VG82ST- BRDA(5/8)	C	No	No	Inside Pole	149.00 - 0.00	2	No Ice	0.00	0.31
							1/2" Ice	0.00	0.31
							1" Ice	0.00	0.31
2" innerduct conduit	C	No	No	Inside Pole	149.00 - 0.00	1	No Ice	0.00	0.20
							1/2" Ice	0.00	0.20
							1" Ice	0.00	0.20
LCF158-50JA- A0(1-5/8)	C	No	No	Inside Pole	149.00 - 0.00	6	No Ice	0.00	0.80
							1/2" Ice	0.00	0.80
							1" Ice	0.00	0.80
WR-VG86ST- BRD(3/4)	C	No	No	Inside Pole	149.00 - 0.00	2	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
139									
561(1-5/8)	C	No	No	Inside Pole	139.00 - 0.00	6	No Ice	0.00	1.35
							1/2" Ice	0.00	1.35
							1" Ice	0.00	1.35

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-U12S24- XXX-LI(1-5/8)	C	No	No	Inside Pole	139.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	3.20 3.20 3.20
129									
CU12PSM9P6XXX (1-1/2)	C	No	No	Inside Pole	129.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	2.35 2.35 2.35
116									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	116.00 - 0.00	6	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	0.82 0.82 0.82
MLE Hybrid 9Power/18Fiber RL 2(1-5/8)	C	No	No	Inside Pole	116.00 - 0.00	1	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	1.07 1.07 1.07
HCS 6X12 4AWG(1-5/8)	C	No	No	Inside Pole	116.00 - 0.00	3	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00	2.40 2.40 2.40
**** *****									

Feed Line/Linear Appurtenances Section Areas

Tower Section n	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	160.00-155.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.02
L2	155.00-150.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.04
L3	150.00-145.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.07
L4	145.00-140.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.08
L5	140.00-135.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.12
L6	135.00-130.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.13
L7	130.00-125.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.14
L8	125.00-120.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.14
L9	120.00-111.33	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.325	0.000	0.31
L10	111.33-111.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.012	0.000	0.01
L11	111.00-106.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L12	106.00-101.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L13	101.00-96.00	A	0.000	0.000	0.000	0.000	0.00

Tower Sectio n	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
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L14	96.00-91.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L15	91.00-86.00	A	0.000	0.000	2.280	0.000	0.00
		B	0.000	0.000	2.280	0.000	0.00
		C	0.000	0.000	2.468	0.000	0.21
L16	86.00-85.75	A	0.000	0.000	0.228	0.000	0.00
		B	0.000	0.000	0.228	0.000	0.00
		C	0.000	0.000	0.237	0.000	0.01
L17	85.75-81.00	A	0.000	0.000	4.885	0.000	0.01
		B	0.000	0.000	4.885	0.000	0.01
		C	0.000	0.000	5.063	0.000	0.21
L18	81.00-80.75	A	0.000	0.000	0.366	0.000	0.00
		B	0.000	0.000	0.366	0.000	0.00
		C	0.000	0.000	0.376	0.000	0.01
L19	80.75-80.50	A	0.000	0.000	0.366	0.000	0.00
		B	0.000	0.000	0.366	0.000	0.00
		C	0.000	0.000	0.376	0.000	0.01
L20	80.50-73.25	A	0.000	0.000	3.759	0.000	0.04
		B	0.000	0.000	3.759	0.000	0.04
		C	0.000	0.000	4.031	0.000	0.34
L21	73.25-72.25	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.037	0.000	0.04
L22	72.25-67.25	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L23	67.25-62.25	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L24	62.25-57.25	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.21
L25	57.25-52.25	A	0.000	0.000	0.080	0.000	0.00
		B	0.000	0.000	0.080	0.000	0.00
		C	0.000	0.000	0.268	0.000	0.21
L26	52.25-49.83	A	0.000	0.000	2.420	0.000	0.05
		B	0.000	0.000	2.420	0.000	0.05
		C	0.000	0.000	2.511	0.000	0.15
L27	49.83-49.58	A	0.000	0.000	0.250	0.000	0.01
		B	0.000	0.000	0.250	0.000	0.01
		C	0.000	0.000	0.259	0.000	0.02
L28	49.58-44.58	A	0.000	0.000	5.000	0.000	0.10
		B	0.000	0.000	5.000	0.000	0.10
		C	0.000	0.000	5.188	0.000	0.31
L29	44.58-36.33	A	0.000	0.000	8.247	0.000	0.17
		B	0.000	0.000	8.247	0.000	0.17
		C	0.000	0.000	8.556	0.000	0.52
L30	36.33-35.33	A	0.000	0.000	1.000	0.000	0.02
		B	0.000	0.000	1.000	0.000	0.02
		C	0.000	0.000	1.038	0.000	0.06
L31	35.33-32.25	A	0.000	0.000	3.003	0.000	0.06
		B	0.000	0.000	3.003	0.000	0.06
		C	0.000	0.000	3.119	0.000	0.19
L32	32.25-32.00	A	0.000	0.000	0.250	0.000	0.01
		B	0.000	0.000	0.250	0.000	0.01
		C	0.000	0.000	0.259	0.000	0.02
L33	32.00-27.00	A	0.000	0.000	5.000	0.000	0.10
		B	0.000	0.000	5.000	0.000	0.10
		C	0.000	0.000	5.188	0.000	0.31
L34	27.00-22.00	A	0.000	0.000	5.000	0.000	0.10
		B	0.000	0.000	5.000	0.000	0.10
		C	0.000	0.000	5.188	0.000	0.31
L35	22.00-17.00	A	0.000	0.000	5.000	0.000	0.10
		B	0.000	0.000	5.000	0.000	0.10
		C	0.000	0.000	5.188	0.000	0.31
L36	17.00-15.50	A	0.000	0.000	2.333	0.000	0.04

Tower Sectio n	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
L37	15.50-15.25	B	0.000	0.000	2.333	0.000	0.04
		C	0.000	0.000	2.390	0.000	0.11
		A	0.000	0.000	0.417	0.000	0.01
L38	15.25-14.75	B	0.000	0.000	0.417	0.000	0.01
		C	0.000	0.000	0.426	0.000	0.02
		A	0.000	0.000	0.833	0.000	0.02
L39	14.75-14.50	B	0.000	0.000	0.833	0.000	0.02
		C	0.000	0.000	0.852	0.000	0.04
		A	0.000	0.000	0.417	0.000	0.01
L40	14.50-9.50	B	0.000	0.000	0.417	0.000	0.01
		C	0.000	0.000	0.426	0.000	0.02
		A	0.000	0.000	5.583	0.000	0.10
L41	9.50-4.50	B	0.000	0.000	5.583	0.000	0.10
		C	0.000	0.000	5.752	0.000	0.31
		A	0.000	0.000	3.333	0.000	0.05
L42	4.50-0.00	B	0.000	0.000	3.333	0.000	0.05
		C	0.000	0.000	3.333	0.000	0.26
		A	0.000	0.000	1.833	0.000	0.03
		B	0.000	0.000	1.833	0.000	0.03
		C	0.000	0.000	1.833	0.000	0.22

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Sectio n	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	160.00-155.00	A	0.994	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.181	0.000	0.02
L2	155.00-150.00	A	0.991	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.178	0.000	0.05
L3	150.00-145.00	A	0.987	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.175	0.000	0.08
L4	145.00-140.00	A	0.984	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.171	0.000	0.08
L5	140.00-135.00	A	0.980	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.168	0.000	0.13
L6	135.00-130.00	A	0.977	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.164	0.000	0.14
L7	130.00-125.00	A	0.973	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.160	0.000	0.15
L8	125.00-120.00	A	0.969	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.157	0.000	0.15
L9	120.00-111.33	A	0.964	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.995	0.000	0.33
L10	111.33-111.00	A	0.960	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.077	0.000	0.01
L11	111.00-106.00	A	0.957	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.145	0.000	0.22
L12	106.00-101.00	A	0.953	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.140	0.000	0.22
L13	101.00-96.00	A	0.948	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.136	0.000	0.22
L14	96.00-91.00	A	0.943	0.000	0.000	0.000	0.000	0.00

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
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.131	0.000	0.22
L15	91.00-86.00	A	0.938	0.000	0.000	2.532	0.000	0.02
		B		0.000	0.000	2.532	0.000	0.02
		C		0.000	0.000	3.658	0.000	0.23
L16	86.00-85.75	A	0.935	0.000	0.000	0.253	0.000	0.00
		B		0.000	0.000	0.253	0.000	0.00
		C		0.000	0.000	0.309	0.000	0.01
L17	85.75-81.00	A	0.933	0.000	0.000	5.461	0.000	0.05
		B		0.000	0.000	5.461	0.000	0.05
		C		0.000	0.000	6.525	0.000	0.25
L18	81.00-80.75	A	0.930	0.000	0.000	0.416	0.000	0.01
		B		0.000	0.000	0.416	0.000	0.01
		C		0.000	0.000	0.472	0.000	0.02
L19	80.75-80.50	A	0.929	0.000	0.000	0.416	0.000	0.01
		B		0.000	0.000	0.416	0.000	0.01
		C		0.000	0.000	0.472	0.000	0.02
L20	80.50-73.25	A	0.925	0.000	0.000	4.306	0.000	0.06
		B		0.000	0.000	4.306	0.000	0.06
		C		0.000	0.000	5.919	0.000	0.38
L21	73.25-72.25	A	0.920	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.222	0.000	0.04
L22	72.25-67.25	A	0.916	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.104	0.000	0.22
L23	67.25-62.25	A	0.909	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.097	0.000	0.22
L24	62.25-57.25	A	0.902	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.089	0.000	0.22
L25	57.25-52.25	A	0.894	0.000	0.000	0.094	0.000	0.00
		B		0.000	0.000	0.094	0.000	0.00
		C		0.000	0.000	1.176	0.000	0.22
L26	52.25-49.83	A	0.888	0.000	0.000	2.850	0.000	0.06
		B		0.000	0.000	2.850	0.000	0.06
		C		0.000	0.000	3.370	0.000	0.17
L27	49.83-49.58	A	0.886	0.000	0.000	0.294	0.000	0.01
		B		0.000	0.000	0.294	0.000	0.01
		C		0.000	0.000	0.348	0.000	0.02
L28	49.58-44.58	A	0.881	0.000	0.000	5.881	0.000	0.13
		B		0.000	0.000	5.881	0.000	0.13
		C		0.000	0.000	6.949	0.000	0.35
L29	44.58-36.33	A	0.867	0.000	0.000	9.677	0.000	0.22
		B		0.000	0.000	9.677	0.000	0.22
		C		0.000	0.000	11.417	0.000	0.57
L30	36.33-35.33	A	0.857	0.000	0.000	1.173	0.000	0.03
		B		0.000	0.000	1.173	0.000	0.03
		C		0.000	0.000	1.384	0.000	0.07
L31	35.33-32.25	A	0.852	0.000	0.000	3.515	0.000	0.08
		B		0.000	0.000	3.515	0.000	0.08
		C		0.000	0.000	4.156	0.000	0.21
L32	32.25-32.00	A	0.848	0.000	0.000	0.292	0.000	0.01
		B		0.000	0.000	0.292	0.000	0.01
		C		0.000	0.000	0.344	0.000	0.02
L33	32.00-27.00	A	0.840	0.000	0.000	5.840	0.000	0.13
		B		0.000	0.000	5.840	0.000	0.13
		C		0.000	0.000	6.868	0.000	0.35
L34	27.00-22.00	A	0.825	0.000	0.000	5.825	0.000	0.13
		B		0.000	0.000	5.825	0.000	0.13
		C		0.000	0.000	6.838	0.000	0.35
L35	22.00-17.00	A	0.806	0.000	0.000	5.806	0.000	0.13
		B		0.000	0.000	5.806	0.000	0.13
		C		0.000	0.000	6.800	0.000	0.35
L36	17.00-15.50	A	0.792	0.000	0.000	2.769	0.000	0.06
		B		0.000	0.000	2.769	0.000	0.06
		C		0.000	0.000	3.063	0.000	0.12
L37	15.50-15.25	A	0.787	0.000	0.000	0.495	0.000	0.01

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
L38	15.25-14.75	B	0.786	0.000	0.000	0.495	0.000	0.01
		C		0.000	0.000	0.544	0.000	0.02
		A		0.000	0.000	0.990	0.000	0.02
		B		0.000	0.000	0.990	0.000	0.02
L39	14.75-14.50	C	0.784	0.000	0.000	1.088	0.000	0.04
		A		0.000	0.000	0.495	0.000	0.01
		B		0.000	0.000	0.495	0.000	0.01
L40	14.50-9.50	C	0.768	0.000	0.000	0.544	0.000	0.02
		A		0.000	0.000	6.697	0.000	0.13
		B		0.000	0.000	6.697	0.000	0.13
L41	9.50-4.50	C	0.728	0.000	0.000	7.557	0.000	0.34
		A		0.000	0.000	4.061	0.000	0.07
		B		0.000	0.000	4.061	0.000	0.07
L42	4.50-0.00	C	0.650	0.000	0.000	4.061	0.000	0.28
		A		0.000	0.000	2.191	0.000	0.04
		B		0.000	0.000	2.191	0.000	0.04
		C		0.000	0.000	2.191	0.000	0.22

Feed Line Center of Pressure

Section	Elevation ft	CP_x in	CP_z in	CP_x Ice in	CP_z Ice in
L1	160.00-155.00	0.1651	0.1584	0.6968	0.6682
L2	155.00-150.00	0.1651	0.1584	0.7012	0.6725
L3	150.00-145.00	0.1651	0.1584	0.7050	0.6761
L4	145.00-140.00	0.1651	0.1584	0.7082	0.6791
L5	140.00-135.00	0.1651	0.1584	0.7109	0.6817
L6	135.00-130.00	0.1651	0.1584	0.7131	0.6838
L7	130.00-125.00	0.1651	0.1584	0.7148	0.6855
L8	125.00-120.00	0.1651	0.1584	0.7162	0.6868
L9	120.00-111.33	0.1651	0.1584	0.7175	0.6881
L10	111.33-111.00	0.1653	0.1585	0.7198	0.6902
L11	111.00-106.00	0.1653	0.1585	0.7177	0.6883
L12	106.00-101.00	0.1653	0.1585	0.7179	0.6884
L13	101.00-96.00	0.1653	0.1585	0.7177	0.6883
L14	96.00-91.00	0.1653	0.1585	0.7172	0.6878
L15	91.00-86.00	0.1135	0.1088	0.5246	0.5030
L16	86.00-85.75	0.0872	0.0836	0.4165	0.3994
L17	85.75-81.00	0.0829	0.0795	0.3963	0.3801
L18	81.00-80.75	0.0690	0.0662	0.3322	0.3186
L19	80.75-80.50	0.0691	0.0662	0.3325	0.3188
L20	80.50-73.25	0.1115	0.1069	0.5089	0.4880
L21	73.25-72.25	0.1654	0.1586	0.7142	0.6849
L22	72.25-67.25	0.1653	0.1586	0.7099	0.6808
L23	67.25-62.25	0.1653	0.1586	0.7075	0.6785
L24	62.25-57.25	0.1653	0.1585	0.7047	0.6758
L25	57.25-52.25	0.1632	0.1565	0.6935	0.6650
L26	52.25-49.83	0.0911	0.0873	0.4091	0.3924
L27	49.83-49.58	0.0913	0.0876	0.4097	0.3929
L28	49.58-44.58	0.0919	0.0881	0.4106	0.3938
L29	44.58-36.33	0.0933	0.0895	0.4123	0.3954
L30	36.33-35.33	0.0936	0.0897	0.4136	0.3966
L31	35.33-32.25	0.0950	0.0911	0.4143	0.3973
L32	32.25-32.00	0.0943	0.0904	0.4100	0.3931
L33	32.00-27.00	0.0948	0.0909	0.4097	0.3929
L34	27.00-22.00	0.0958	0.0919	0.4084	0.3916
L35	22.00-17.00	0.0967	0.0928	0.4057	0.3890
L36	17.00-15.50	0.0792	0.0760	0.3291	0.3156
L37	15.50-15.25	0.0766	0.0734	0.3169	0.3039
L38	15.25-14.75	0.0766	0.0735	0.3167	0.3037
L39	14.75-14.50	0.0767	0.0736	0.3164	0.3034
L40	14.50-9.50	0.0842	0.0808	0.3375	0.3237
L41	9.50-4.50	0.0000	0.0000	0.0000	0.0000
L42	4.50-0.00	0.0000	0.0000	0.0000	0.0000

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	1	Safety Line 3/8	155.00 - 160.00	1.0000	1.0000
L2	1	Safety Line 3/8	150.00 - 155.00	1.0000	1.0000
L3	1	Safety Line 3/8	145.00 - 150.00	1.0000	1.0000
L4	1	Safety Line 3/8	140.00 - 145.00	1.0000	1.0000
L5	1	Safety Line 3/8	135.00 - 140.00	1.0000	1.0000
L6	1	Safety Line 3/8	130.00 - 135.00	1.0000	1.0000
L7	1	Safety Line 3/8	125.00 - 130.00	1.0000	1.0000
L8	1	Safety Line 3/8	120.00 - 125.00	1.0000	1.0000
L9	1	Safety Line 3/8	111.33 - 120.00	1.0000	1.0000
L10	1	Safety Line 3/8	111.00 - 111.33	1.0000	1.0000
L11	1	Safety Line 3/8	106.00 - 111.00	1.0000	1.0000
L12	1	Safety Line 3/8	101.00 - 106.00	1.0000	1.0000
L13	1	Safety Line 3/8	96.00 - 101.00	1.0000	1.0000
L14	1	Safety Line 3/8	91.00 - 96.00	1.0000	1.0000
L15	1	Safety Line 3/8	86.00 - 91.00	1.0000	1.0000
L15	44	CCI-AFP-060100	86.00 - 88.50	1.0000	1.0000
L15	45	CCI-AFP-060100	86.00 - 88.50	1.0000	1.0000
L15	46	CCI-AFP-060100	86.00 - 88.50	1.0000	1.0000
L16	1	Safety Line 3/8	85.75 - 86.00	1.0000	1.0000
L16	44	CCI-AFP-060100	85.75 - 86.00	1.0000	1.0000
L16	45	CCI-AFP-060100	85.75 - 86.00	1.0000	1.0000
L16	46	CCI-AFP-060100	85.75 - 86.00	1.0000	1.0000
L17	1	Safety Line 3/8	81.00 - 85.75	1.0000	1.0000
L17	35	MK SR 2	81.00 - 82.00	1.0000	1.0000
L17	36	MK SR 2	81.00 - 82.00	1.0000	1.0000
L17	37	MK SR 2	81.00 - 82.00	1.0000	1.0000
L17	44	CCI-AFP-060100	81.00 - 85.75	1.0000	1.0000
L17	45	CCI-AFP-060100	81.00 - 85.75	1.0000	1.0000
L17	46	CCI-AFP-060100	81.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L18	1	Safety Line 3/8	85.75 80.75 - 81.00	1.0000	1.0000
L18	35	MK SR 2	80.75 - 81.00	1.0000	1.0000
L18	36	MK SR 2	80.75 - 81.00	1.0000	1.0000
L18	37	MK SR 2	80.75 - 81.00	1.0000	1.0000
L18	44	CCI-AFP-060100	80.75 - 81.00	1.0000	1.0000
L18	45	CCI-AFP-060100	80.75 - 81.00	1.0000	1.0000
L18	46	CCI-AFP-060100	80.75 - 81.00	1.0000	1.0000
L19	1	Safety Line 3/8	80.50 - 80.75	1.0000	1.0000
L19	35	MK SR 2	80.50 - 80.75	1.0000	1.0000
L19	36	MK SR 2	80.50 - 80.75	1.0000	1.0000
L19	37	MK SR 2	80.50 - 80.75	1.0000	1.0000
L19	44	CCI-AFP-060100	80.50 - 80.75	1.0000	1.0000
L19	45	CCI-AFP-060100	80.50 - 80.75	1.0000	1.0000
L19	46	CCI-AFP-060100	80.50 - 80.75	1.0000	1.0000
L20	1	Safety Line 3/8	73.25 - 80.50	1.0000	1.0000
L20	35	MK SR 2	77.00 - 80.50	1.0000	1.0000
L20	36	MK SR 2	77.00 - 80.50	1.0000	1.0000
L20	37	MK SR 2	77.00 - 80.50	1.0000	1.0000
L20	44	CCI-AFP-060100	78.50 - 80.50	1.0000	1.0000
L20	45	CCI-AFP-060100	78.50 - 80.50	1.0000	1.0000
L20	46	CCI-AFP-060100	78.50 - 80.50	1.0000	1.0000
L21	1	Safety Line 3/8	72.25 - 73.25	1.0000	1.0000
L22	1	Safety Line 3/8	67.25 - 72.25	1.0000	1.0000
L23	1	Safety Line 3/8	62.25 - 67.25	1.0000	1.0000
L24	1	Safety Line 3/8	57.25 - 62.25	1.0000	1.0000
L25	1	Safety Line 3/8	52.25 - 57.25	1.0000	1.0000
L25	41	CCI-AFP-060100	52.25 - 52.33	1.0000	1.0000
L25	42	CCI-AFP-060100	52.25 - 52.33	1.0000	1.0000
L25	43	CCI-AFP-060100	52.25 - 52.33	1.0000	1.0000
L26	1	Safety Line 3/8	49.83 - 52.25	1.0000	1.0000
L26	41	CCI-AFP-060100	49.83 - 52.25	1.0000	1.0000
L26	42	CCI-AFP-060100	49.83 - 52.25	1.0000	1.0000
L26	43	CCI-AFP-060100	49.83 - 52.25	1.0000	1.0000
L27	1	Safety Line 3/8	49.58 - 49.83	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L27	41	CCI-AFP-060100	49.58 - 49.83	1.0000	1.0000
L27	42	CCI-AFP-060100	49.58 - 49.83	1.0000	1.0000
L27	43	CCI-AFP-060100	49.58 - 49.83	1.0000	1.0000
L28	1	Safety Line 3/8	44.58 - 49.58	1.0000	1.0000
L28	41	CCI-AFP-060100	44.58 - 49.58	1.0000	1.0000
L28	42	CCI-AFP-060100	44.58 - 49.58	1.0000	1.0000
L28	43	CCI-AFP-060100	44.58 - 49.58	1.0000	1.0000
L29	1	Safety Line 3/8	36.33 - 44.58	1.0000	1.0000
L29	41	CCI-AFP-060100	36.33 - 44.58	1.0000	1.0000
L29	42	CCI-AFP-060100	36.33 - 44.58	1.0000	1.0000
L29	43	CCI-AFP-060100	36.33 - 44.58	1.0000	1.0000
L30	1	Safety Line 3/8	35.33 - 36.33	1.0000	1.0000
L30	41	CCI-AFP-060100	35.33 - 36.33	1.0000	1.0000
L30	42	CCI-AFP-060100	35.33 - 36.33	1.0000	1.0000
L30	43	CCI-AFP-060100	35.33 - 36.33	1.0000	1.0000
L31	1	Safety Line 3/8	32.25 - 35.33	1.0000	1.0000
L31	41	CCI-AFP-060100	32.33 - 35.33	1.0000	1.0000
L31	42	CCI-AFP-060100	32.33 - 35.33	1.0000	1.0000
L31	43	CCI-AFP-060100	32.33 - 35.33	1.0000	1.0000
L32	1	Safety Line 3/8	32.00 - 32.25	1.0000	1.0000
L32	38	CCI-AFP-060100	32.00 - 32.25	1.0000	1.0000
L32	39	CCI-AFP-060100	32.00 - 32.25	1.0000	1.0000
L32	40	CCI-AFP-060100	32.00 - 32.25	1.0000	1.0000
L33	1	Safety Line 3/8	27.00 - 32.00	1.0000	1.0000
L33	38	CCI-AFP-060100	27.00 - 32.00	1.0000	1.0000
L33	39	CCI-AFP-060100	27.00 - 32.00	1.0000	1.0000
L33	40	CCI-AFP-060100	27.00 - 32.00	1.0000	1.0000
L34	1	Safety Line 3/8	22.00 - 27.00	1.0000	1.0000
L34	38	CCI-AFP-060100	22.00 - 27.00	1.0000	1.0000
L34	39	CCI-AFP-060100	22.00 - 27.00	1.0000	1.0000
L34	40	CCI-AFP-060100	22.00 - 27.00	1.0000	1.0000
L35	1	Safety Line 3/8	17.00 - 22.00	1.0000	1.0000
L35	38	CCI-AFP-060100	17.00 - 22.00	1.0000	1.0000
L35	39	CCI-AFP-060100	17.00 - 22.00	1.0000	1.0000
L35	40	CCI-AFP-060100	17.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L36	1	Safety Line 3/8	22.00 15.50 - 17.00	1.0000	1.0000
L36	32	MK SR 1	15.50 - 16.75	1.0000	1.0000
L36	33	MK SR 1	15.50 - 16.75	1.0000	1.0000
L36	34	MK SR 1	15.50 - 16.75	1.0000	1.0000
L36	38	CCI-AFP-060100	15.50 - 17.00	1.0000	1.0000
L36	39	CCI-AFP-060100	15.50 - 17.00	1.0000	1.0000
L36	40	CCI-AFP-060100	15.50 - 17.00	1.0000	1.0000
L37	1	Safety Line 3/8	15.25 - 15.50	1.0000	1.0000
L37	32	MK SR 1	15.25 - 15.50	1.0000	1.0000
L37	33	MK SR 1	15.25 - 15.50	1.0000	1.0000
L37	34	MK SR 1	15.25 - 15.50	1.0000	1.0000
L37	38	CCI-AFP-060100	15.25 - 15.50	1.0000	1.0000
L37	39	CCI-AFP-060100	15.25 - 15.50	1.0000	1.0000
L37	40	CCI-AFP-060100	15.25 - 15.50	1.0000	1.0000
L38	1	Safety Line 3/8	14.75 - 15.25	1.0000	1.0000
L38	32	MK SR 1	14.75 - 15.25	1.0000	1.0000
L38	33	MK SR 1	14.75 - 15.25	1.0000	1.0000
L38	34	MK SR 1	14.75 - 15.25	1.0000	1.0000
L38	38	CCI-AFP-060100	14.75 - 15.25	1.0000	1.0000
L38	39	CCI-AFP-060100	14.75 - 15.25	1.0000	1.0000
L38	40	CCI-AFP-060100	14.75 - 15.25	1.0000	1.0000
L39	1	Safety Line 3/8	14.50 - 14.75	1.0000	1.0000
L39	32	MK SR 1	14.50 - 14.75	1.0000	1.0000
L39	33	MK SR 1	14.50 - 14.75	1.0000	1.0000
L39	34	MK SR 1	14.50 - 14.75	1.0000	1.0000
L39	38	CCI-AFP-060100	14.50 - 14.75	1.0000	1.0000
L39	39	CCI-AFP-060100	14.50 - 14.75	1.0000	1.0000
L39	40	CCI-AFP-060100	14.50 - 14.75	1.0000	1.0000
L40	1	Safety Line 3/8	10.00 - 14.50	1.0000	1.0000
L40	32	MK SR 1	9.50 - 14.50	1.0000	1.0000
L40	33	MK SR 1	9.50 - 14.50	1.0000	1.0000
L40	34	MK SR 1	9.50 - 14.50	1.0000	1.0000
L40	38	CCI-AFP-060100	12.25 - 14.50	1.0000	1.0000
L40	39	CCI-AFP-060100	12.25 - 14.50	1.0000	1.0000
L40	40	CCI-AFP-060100	12.25 - 14.50	1.0000	1.0000
L41	32	MK SR 1	4.50 - 9.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L41	33	MK SR 1	4.50 - 9.50	1.0000	1.0000
L41	34	MK SR 1	4.50 - 9.50	1.0000	1.0000
L42	32	MK SR 1	1.75 - 4.50	1.0000	1.0000
L42	33	MK SR 1	1.75 - 4.50	1.0000	1.0000
L42	34	MK SR 1	1.75 - 4.50	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L15	44	CCI-AFP-060100	86.00 - 88.50	Auto	0.0000
L15	45	CCI-AFP-060100	86.00 - 88.50	Auto	0.0000
L15	46	CCI-AFP-060100	86.00 - 88.50	Auto	0.0000
L16	44	CCI-AFP-060100	85.75 - 86.00	Auto	0.0000
L16	45	CCI-AFP-060100	85.75 - 86.00	Auto	0.0000
L16	46	CCI-AFP-060100	85.75 - 86.00	Auto	0.0000
L17	35	MK SR 2	81.00 - 82.00	Auto	0.0000
L17	36	MK SR 2	81.00 - 82.00	Auto	0.0000
L17	37	MK SR 2	81.00 - 82.00	Auto	0.0000
L17	44	CCI-AFP-060100	81.00 - 85.75	Auto	0.0000
L17	45	CCI-AFP-060100	81.00 - 85.75	Auto	0.0000
L17	46	CCI-AFP-060100	81.00 - 85.75	Auto	0.0000
L18	35	MK SR 2	80.75 - 81.00	Auto	0.0000
L18	36	MK SR 2	80.75 - 81.00	Auto	0.0000
L18	37	MK SR 2	80.75 - 81.00	Auto	0.0000
L18	44	CCI-AFP-060100	80.75 - 81.00	Auto	0.0000
L18	45	CCI-AFP-060100	80.75 - 81.00	Auto	0.0000
L18	46	CCI-AFP-060100	80.75 - 81.00	Auto	0.0000
L19	35	MK SR 2	80.50 - 80.75	Auto	0.0000
L19	36	MK SR 2	80.50 - 80.75	Auto	0.0000
L19	37	MK SR 2	80.50 - 80.75	Auto	0.0000
L19	44	CCI-AFP-060100	80.50 - 80.75	Auto	0.0000
L19	45	CCI-AFP-060100	80.50 - 80.75	Auto	0.0000
L19	46	CCI-AFP-060100	80.50 - 80.75	Auto	0.0000
L20	35	MK SR 2	77.00 -	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L20	36	MK SR 2	80.50 77.00 - 80.50	Auto	0.0000
L20	37	MK SR 2	77.00 - 80.50	Auto	0.0000
L20	44	CCI-AFP-060100	78.50 - 80.50	Auto	0.0000
L20	45	CCI-AFP-060100	78.50 - 80.50	Auto	0.0000
L20	46	CCI-AFP-060100	78.50 - 80.50	Auto	0.0000
L25	41	CCI-AFP-060100	52.25 - 52.33	Auto	0.0000
L25	42	CCI-AFP-060100	52.25 - 52.33	Auto	0.0000
L25	43	CCI-AFP-060100	52.25 - 52.33	Auto	0.0000
L26	41	CCI-AFP-060100	49.83 - 52.25	Auto	0.0000
L26	42	CCI-AFP-060100	49.83 - 52.25	Auto	0.0000
L26	43	CCI-AFP-060100	49.83 - 52.25	Auto	0.0000
L27	41	CCI-AFP-060100	49.58 - 49.83	Auto	0.0000
L27	42	CCI-AFP-060100	49.58 - 49.83	Auto	0.0000
L27	43	CCI-AFP-060100	49.58 - 49.83	Auto	0.0000
L28	41	CCI-AFP-060100	44.58 - 49.58	Auto	0.0000
L28	42	CCI-AFP-060100	44.58 - 49.58	Auto	0.0000
L28	43	CCI-AFP-060100	44.58 - 49.58	Auto	0.0000
L29	41	CCI-AFP-060100	36.33 - 44.58	Auto	0.0000
L29	42	CCI-AFP-060100	36.33 - 44.58	Auto	0.0000
L29	43	CCI-AFP-060100	36.33 - 44.58	Auto	0.0000
L30	41	CCI-AFP-060100	35.33 - 36.33	Auto	0.0000
L30	42	CCI-AFP-060100	35.33 - 36.33	Auto	0.0000
L30	43	CCI-AFP-060100	35.33 - 36.33	Auto	0.0000
L31	41	CCI-AFP-060100	32.33 - 35.33	Auto	0.0000
L31	42	CCI-AFP-060100	32.33 - 35.33	Auto	0.0000
L31	43	CCI-AFP-060100	32.33 - 35.33	Auto	0.0000
L32	38	CCI-AFP-060100	32.00 - 32.25	Auto	0.0000
L32	39	CCI-AFP-060100	32.00 - 32.25	Auto	0.0000
L32	40	CCI-AFP-060100	32.00 - 32.25	Auto	0.0000
L33	38	CCI-AFP-060100	27.00 - 32.00	Auto	0.0000
L33	39	CCI-AFP-060100	27.00 - 32.00	Auto	0.0000
L33	40	CCI-AFP-060100	27.00 - 32.00	Auto	0.0000
L34	38	CCI-AFP-060100	22.00 - 27.00	Auto	0.0000
L34	39	CCI-AFP-060100	22.00 -	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L34	40	CCI-AFP-060100	27.00 22.00 - 27.00	Auto	0.0000
L35	38	CCI-AFP-060100	17.00 - 22.00	Auto	0.0000
L35	39	CCI-AFP-060100	17.00 - 22.00	Auto	0.0000
L35	40	CCI-AFP-060100	17.00 - 22.00	Auto	0.0000
L36	32	MK SR 1	15.50 - 16.75	Auto	0.0000
L36	33	MK SR 1	15.50 - 16.75	Auto	0.0000
L36	34	MK SR 1	15.50 - 16.75	Auto	0.0000
L36	38	CCI-AFP-060100	15.50 - 17.00	Auto	0.0000
L36	39	CCI-AFP-060100	15.50 - 17.00	Auto	0.0000
L36	40	CCI-AFP-060100	15.50 - 17.00	Auto	0.0000
L37	32	MK SR 1	15.25 - 15.50	Auto	0.0000
L37	33	MK SR 1	15.25 - 15.50	Auto	0.0000
L37	34	MK SR 1	15.25 - 15.50	Auto	0.0000
L37	38	CCI-AFP-060100	15.25 - 15.50	Auto	0.0000
L37	39	CCI-AFP-060100	15.25 - 15.50	Auto	0.0000
L37	40	CCI-AFP-060100	15.25 - 15.50	Auto	0.0000
L38	32	MK SR 1	14.75 - 15.25	Auto	0.0000
L38	33	MK SR 1	14.75 - 15.25	Auto	0.0000
L38	34	MK SR 1	14.75 - 15.25	Auto	0.0000
L38	38	CCI-AFP-060100	14.75 - 15.25	Auto	0.0000
L38	39	CCI-AFP-060100	14.75 - 15.25	Auto	0.0000
L38	40	CCI-AFP-060100	14.75 - 15.25	Auto	0.0000
L39	32	MK SR 1	14.50 - 14.75	Auto	0.0000
L39	33	MK SR 1	14.50 - 14.75	Auto	0.0000
L39	34	MK SR 1	14.50 - 14.75	Auto	0.0000
L39	38	CCI-AFP-060100	14.50 - 14.75	Auto	0.0000
L39	39	CCI-AFP-060100	14.50 - 14.75	Auto	0.0000
L39	40	CCI-AFP-060100	14.50 - 14.75	Auto	0.0000
L40	32	MK SR 1	9.50 - 14.50	Auto	0.0000
L40	33	MK SR 1	9.50 - 14.50	Auto	0.0000
L40	34	MK SR 1	9.50 - 14.50	Auto	0.0000
L40	38	CCI-AFP-060100	12.25 - 14.50	Auto	0.0000
L40	39	CCI-AFP-060100	12.25 - 14.50	Auto	0.0000
L40	40	CCI-AFP-060100	12.25 - 14.50	Auto	0.0000
L41	32	MK SR 1	4.50 - 9.50	Auto	0.0000
L41	33	MK SR 1	4.50 - 9.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L41	34	MK SR 1	4.50 - 9.50	Auto	0.0000
L42	32	MK SR 1	1.75 - 4.50	Auto	0.0000
L42	33	MK SR 1	1.75 - 4.50	Auto	0.0000
L42	34	MK SR 1	1.75 - 4.50	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
157									
Platform Mount [13' LP 713-1]	C	None		0.0000	157.00	No Ice	35.63	35.63	1.64
						1/2" Ice	38.74	38.74	2.41
						1" Ice	41.99	41.99	3.28
3'x3"x3"x1/4" Horizontal Angle	A	From Face	4.00	0.0000	157.00	No Ice	0.90	0.07	0.01
			0.00			1/2" Ice	1.12	0.11	0.02
			2.00			1" Ice	1.35	0.16	0.03
3'x3"x3"x1/4" Horizontal Angle	B	From Face	4.00	0.0000	157.00	No Ice	0.90	0.07	0.01
			0.00			1/2" Ice	1.12	0.11	0.02
			2.00			1" Ice	1.35	0.16	0.03
3'x3"x3"x1/4" Horizontal Angle	C	From Face	4.00	0.0000	157.00	No Ice	0.90	0.07	0.01
			0.00			1/2" Ice	1.12	0.11	0.02
			2.00			1" Ice	1.35	0.16	0.03
5'x2" Mount Pipe	A	From Face	4.00	0.0000	157.00	No Ice	1.19	1.19	0.02
			0.00			1/2" Ice	1.50	1.50	0.03
			0.00			1" Ice	1.81	1.81	0.04
5'x2" Mount Pipe	B	From Face	4.00	0.0000	157.00	No Ice	1.19	1.19	0.02
			0.00			1/2" Ice	1.50	1.50	0.03
			0.00			1" Ice	1.81	1.81	0.04
5'x2" Mount Pipe	C	From Face	4.00	0.0000	157.00	No Ice	1.19	1.19	0.02
			0.00			1/2" Ice	1.50	1.50	0.03
			0.00			1" Ice	1.81	1.81	0.04
VV-65B-R1_TMO w/ Mount Pipe	A	From Face	4.00	0.0000	157.00	No Ice	5.82	3.48	0.07
			0.00			1/2" Ice	6.37	4.00	0.12
			1.00			1" Ice	6.94	4.54	0.19
VV-65B-R1_TMO w/ Mount Pipe	B	From Face	4.00	0.0000	157.00	No Ice	5.82	3.48	0.07
			0.00			1/2" Ice	6.37	4.00	0.12
			1.00			1" Ice	6.94	4.54	0.19
VV-65B-R1_TMO w/ Mount Pipe	C	From Face	4.00	0.0000	157.00	No Ice	5.82	3.48	0.07
			0.00			1/2" Ice	6.37	4.00	0.12
			1.00			1" Ice	6.94	4.54	0.19
AIR 6419 B41_TMO w/ Mount Pipe	A	From Face	4.00	0.0000	157.00	No Ice	6.58	3.50	0.11
			0.00			1/2" Ice	7.06	3.90	0.16
			1.00			1" Ice	7.57	4.32	0.22
AIR 6419 B41_TMO w/ Mount Pipe	B	From Face	4.00	0.0000	157.00	No Ice	6.58	3.50	0.11
			0.00			1/2" Ice	7.06	3.90	0.16

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			1.00			Ice	7.57	4.32	0.22
AIR 6419 B41_TMO w/ Mount Pipe	C	From Face	4.00	0.0000	157.00	1" Ice			
			0.00			No Ice	6.58	3.50	0.11
			1.00			1/2"	7.06	3.90	0.16
						Ice	7.57	4.32	0.22
APXVAALL24_43-U- NA20_TMO w/ Mount Pipe	A	From Face	4.00	0.0000	157.00	1" Ice			
			0.00			No Ice	14.69	6.87	0.18
			1.00			1/2"	15.46	7.55	0.31
						Ice	16.23	8.25	0.45
APXVAALL24_43-U- NA20_TMO w/ Mount Pipe	B	From Face	4.00	0.0000	157.00	1" Ice			
			0.00			No Ice	14.69	6.87	0.18
			1.00			1/2"	15.46	7.55	0.31
						Ice	16.23	8.25	0.45
APXVAALL24_43-U- NA20_TMO w/ Mount Pipe	C	From Face	4.00	0.0000	157.00	1" Ice			
			0.00			No Ice	14.69	6.87	0.18
			1.00			1/2"	15.46	7.55	0.31
						Ice	16.23	8.25	0.45
RADIO 4460 B2/B25 B66_TMO	A	From Face	4.00	0.0000	157.00	1" Ice			
			0.00			No Ice	2.14	1.69	0.11
			1.00			1/2"	2.32	1.85	0.13
						Ice	2.51	2.02	0.16
RADIO 4460 B2/B25 B66_TMO	B	From Face	4.00	0.0000	157.00	1" Ice			
			0.00			No Ice	2.14	1.69	0.11
			1.00			1/2"	2.32	1.85	0.13
						Ice	2.51	2.02	0.16
RADIO 4460 B2/B25 B66_TMO	C	From Face	4.00	0.0000	157.00	1" Ice			
			0.00			No Ice	2.14	1.69	0.11
			1.00			1/2"	2.32	1.85	0.13
						Ice	2.51	2.02	0.16
Radio 4480_TMOV2	A	From Face	4.00	0.0000	157.00	1" Ice			
			0.00			No Ice	2.88	1.40	0.08
			1.00			1/2"	3.09	1.56	0.10
						Ice	3.31	1.73	0.13
Radio 4480_TMOV2	B	From Face	4.00	0.0000	157.00	1" Ice			
			0.00			No Ice	2.88	1.40	0.08
			1.00			1/2"	3.09	1.56	0.10
						Ice	3.31	1.73	0.13
Radio 4480_TMOV2	C	From Face	4.00	0.0000	157.00	1" Ice			
			0.00			No Ice	2.88	1.40	0.08
			1.00			1/2"	3.09	1.56	0.10
						Ice	3.31	1.73	0.13
**** ***149***						1" Ice			
Platform Mount [13' LP 713-1]	C	None		0.0000	149.00	No Ice	35.63	35.63	1.64
						1/2"	38.74	38.74	2.41
						Ice	41.99	41.99	3.28
(2) 4'x2" Mount Pipe	A	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	0.87	0.87	0.01
			0.00			1/2"	1.11	1.11	0.02
						Ice	1.36	1.36	0.03
(2) 4'x2" Mount Pipe	B	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	0.87	0.87	0.01
			0.00			1/2"	1.11	1.11	0.02
						Ice	1.36	1.36	0.03
(2) 4'x2" Mount Pipe	C	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	0.87	0.87	0.01
			0.00			1/2"	1.11	1.11	0.02
						Ice	1.36	1.36	0.03
7770.00 w/ Mount Pipe	A	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	3.39	2.32	0.06
			2.00			1/2"	3.75	2.66	0.10
						Ice	4.12	3.02	0.15
7770.00 w/ Mount Pipe	B	From Face	4.00	0.0000	149.00	1" Ice			
						No Ice	3.39	2.32	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.00			1/2"	3.75	2.66	0.10
			2.00			Ice	4.12	3.02	0.15
7770.00 w/ Mount Pipe	C	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	3.39	2.32	0.06
			2.00			1/2"	3.75	2.66	0.10
						Ice	4.12	3.02	0.15
EPBQ-654L8H6-L2 w/ Mount Pipe	A	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	11.09	4.69	0.11
			2.00			1/2"	11.77	5.28	0.19
						Ice	12.46	5.89	0.29
EPBQ-654L8H6-L2 w/ Mount Pipe	B	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	11.09	4.69	0.11
			2.00			1/2"	11.77	5.28	0.19
						Ice	12.46	5.89	0.29
EPBQ-654L8H6-L2 w/ Mount Pipe	C	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	11.09	4.69	0.11
			2.00			1/2"	11.77	5.28	0.19
						Ice	12.46	5.89	0.29
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	9.22	6.25	0.07
			2.00			1/2"	9.98	6.96	0.14
						Ice	10.76	7.70	0.22
HPA-65R-BUU-H6 w/ Mount Pipe	B	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	9.22	6.25	0.07
			2.00			1/2"	9.98	6.96	0.14
						Ice	10.76	7.70	0.22
HPA-65R-BUU-H6 w/ Mount Pipe	C	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	9.22	6.25	0.07
			2.00			1/2"	9.98	6.96	0.14
						Ice	10.76	7.70	0.22
(2) LGP21401	A	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	1.10	0.35	0.01
			0.00			1/2"	1.24	0.44	0.02
						Ice	1.38	0.54	0.03
(2) LGP21401	B	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	1.10	0.35	0.01
			0.00			1/2"	1.24	0.44	0.02
						Ice	1.38	0.54	0.03
(2) LGP21401	C	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	1.10	0.35	0.01
			0.00			1/2"	1.24	0.44	0.02
						Ice	1.38	0.54	0.03
RRUS 11 B12	A	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	2.83	1.18	0.05
			0.00			1/2"	3.04	1.33	0.07
						Ice	3.26	1.48	0.10
RRUS 11 B12	B	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	2.83	1.18	0.05
			0.00			1/2"	3.04	1.33	0.07
						Ice	3.26	1.48	0.10
RRUS 11 B12	C	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	2.83	1.18	0.05
			0.00			1/2"	3.04	1.33	0.07
						Ice	3.26	1.48	0.10
RRUS 32 B30	A	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	2.69	1.57	0.06
			2.00			1/2"	2.91	1.76	0.08
						Ice	3.14	1.95	0.10
RRUS 32 B30	B	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	2.69	1.57	0.06
			2.00			1/2"	2.91	1.76	0.08
						Ice	3.14	1.95	0.10
RRUS 32 B30	C	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	2.69	1.57	0.06
						1/2"	2.91	1.76	0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			2.00			Ice	3.14	1.95	0.10
DC6-48-60-18-8F	A	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
						Ice	1.64	1.64	0.06
DC6-48-60-18-8F	B	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
						Ice	1.64	1.64	0.06
DC6-48-60-18-8F	C	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
						Ice	1.64	1.64	0.06
RRUS 4449 B5/B12	A	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	1.97	1.41	0.07
			2.00			1/2"	2.14	1.56	0.09
						Ice	2.33	1.73	0.11
RRUS 4449 B5/B12	B	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	1.97	1.41	0.07
			2.00			1/2"	2.14	1.56	0.09
						Ice	2.33	1.73	0.11
RRUS 4449 B5/B12	C	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	1.97	1.41	0.07
			2.00			1/2"	2.14	1.56	0.09
						Ice	2.33	1.73	0.11
RRUS 8843 B2/B66A	A	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	1.64	1.35	0.07
			2.00			1/2"	1.80	1.50	0.09
						Ice	1.97	1.65	0.11
RRUS 8843 B2/B66A	B	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	1.64	1.35	0.07
			2.00			1/2"	1.80	1.50	0.09
						Ice	1.97	1.65	0.11
RRUS 8843 B2/B66A	C	From Face	4.00	0.0000	149.00	1" Ice			
			0.00			No Ice	1.64	1.35	0.07
			2.00			1/2"	1.80	1.50	0.09
						Ice	1.97	1.65	0.11
139						1" Ice			
Platform Mount [LP 713-1]	C	None		0.0000	139.00	No Ice	32.89	32.89	1.51
						1/2"	35.76	35.76	2.23
						Ice	38.76	38.76	3.03
Mount Reinforcement Specifications	C	None		0.0000	139.00	1" Ice			
						No Ice	28.63	28.63	0.28
						1/2"	37.31	37.31	0.67
						Ice	45.80	45.80	0.94
BSAMNT-SBS-2-2 Side By Side Bracket	A	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	0.00	0.00	0.07
			0.00			1/2"	0.00	0.00	0.09
						Ice	0.00	0.00	0.11
BSAMNT-SBS-2-2 Side By Side Bracket	B	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	0.00	0.00	0.07
			0.00			1/2"	0.00	0.00	0.09
						Ice	0.00	0.00	0.11
BSAMNT-SBS-2-2 Side By Side Bracket	C	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	0.00	0.00	0.07
			0.00			1/2"	0.00	0.00	0.09
						Ice	0.00	0.00	0.11
(2) 4'x2" Mount Pipe	A	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	0.87	0.87	0.01
			0.00			1/2"	1.11	1.11	0.02
						Ice	1.36	1.36	0.03
(2) 4'x2" Mount Pipe	B	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	0.87	0.87	0.01
						1/2"	1.11	1.11	0.02

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.00			Ice	1.36	1.36	0.03
(2) 4'x2" Mount Pipe	C	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	0.87	0.87	0.01
			0.00			1/2"	1.11	1.11	0.02
			0.00			Ice	1.36	1.36	0.03
(2) DB846F65ZAXY w/ Mount Pipe	A	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	6.10	6.81	0.06
			0.00			1/2"	6.80	7.52	0.12
			3.00			Ice	7.51	8.24	0.19
(2) DB846F65ZAXY w/ Mount Pipe	B	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	6.10	6.81	0.06
			0.00			1/2"	6.80	7.52	0.12
			3.00			Ice	7.51	8.24	0.19
(2) DB846F65ZAXY w/ Mount Pipe	C	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	6.10	6.81	0.06
			0.00			1/2"	6.80	7.52	0.12
			3.00			Ice	7.51	8.24	0.19
(2) MX06FRO860-03 w/ Mount Pipe	A	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	8.84	7.49	0.12
			0.00			1/2"	9.51	8.15	0.22
			3.00			Ice	10.20	8.82	0.34
(2) MX06FRO860-03 w/ Mount Pipe	B	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	8.84	7.49	0.12
			0.00			1/2"	9.51	8.15	0.22
			3.00			Ice	10.20	8.82	0.34
(2) MX06FRO860-03 w/ Mount Pipe	C	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	8.84	7.49	0.12
			0.00			1/2"	9.51	8.15	0.22
			3.00			Ice	10.20	8.82	0.34
MT6407-77A w/ Mount Pipe	A	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	5.94	3.10	0.10
			0.00			1/2"	6.47	3.55	0.13
			3.00			Ice	7.02	4.02	0.18
MT6407-77A w/ Mount Pipe	B	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	5.94	3.10	0.10
			0.00			1/2"	6.47	3.55	0.13
			3.00			Ice	7.02	4.02	0.18
MT6407-77A w/ Mount Pipe	C	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	5.94	3.10	0.10
			0.00			1/2"	6.47	3.55	0.13
			3.00			Ice	7.02	4.02	0.18
(2) FD9R6004/2C-3L	A	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	0.31	0.08	0.00
			0.00			1/2"	0.39	0.12	0.01
			3.00			Ice	0.47	0.17	0.01
(2) FD9R6004/2C-3L	B	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	0.31	0.08	0.00
			0.00			1/2"	0.39	0.12	0.01
			3.00			Ice	0.47	0.17	0.01
(2) FD9R6004/2C-3L	C	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	0.31	0.08	0.00
			0.00			1/2"	0.39	0.12	0.01
			3.00			Ice	0.47	0.17	0.01
RF4440D-13A	A	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	1.87	1.13	0.07
			0.00			1/2"	2.03	1.27	0.09
			3.00			Ice	2.21	1.41	0.11
RF4440D-13A	C	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	1.87	1.13	0.07
			0.00			1/2"	2.03	1.27	0.09
			3.00			Ice	2.21	1.41	0.11
RF4440D-13A	C	From Face	3.00	0.0000	139.00	1" Ice			
			0.00			No Ice	1.87	1.13	0.07
			0.00			1/2"	2.03	1.27	0.09
			3.00			Ice	2.21	1.41	0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
RF4439D-25A	B	From Face	3.00 0.00 3.00	0.0000	139.00	1" Ice No Ice 1/2" Ice	1.87 2.03 2.21	1.25 1.39 1.54	0.07 0.09 0.11
RF4439D-25A	C	From Face	3.00 0.00 3.00	0.0000	139.00	1" Ice No Ice 1/2" Ice	1.87 2.03 2.21	1.25 1.39 1.54	0.07 0.09 0.11
RF4439D-25A	C	From Face	3.00 0.00 3.00	0.0000	139.00	1" Ice No Ice 1/2" Ice	1.87 2.03 2.21	1.25 1.39 1.54	0.07 0.09 0.11
RVZDC-6627-PF-48	A	From Face	3.00 0.00 3.00	0.0000	139.00	1" Ice No Ice 1/2" Ice	3.79 4.04 4.30	2.51 2.73 2.95	0.03 0.06 0.10
129 Commscope MC-PK8-DSH	C	None		0.0000	129.00	1" Ice No Ice 1/2" Ice	34.24 62.95 91.66	34.24 62.95 91.66	1.75 2.10 2.45
(2) 8'x2" Mount Pipe	A	From Face	3.00 0.00 0.00	0.0000	129.00	1" Ice No Ice 1/2" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
(2) 8'x2" Mount Pipe	B	From Face	3.00 0.00 0.00	0.0000	129.00	1" Ice No Ice 1/2" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
(2) 8'x2" Mount Pipe	C	From Face	3.00 0.00 0.00	0.0000	129.00	1" Ice No Ice 1/2" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
MX08FRO665-21 w/ Mount Pipe	A	From Face	3.00 0.00 0.00	0.0000	129.00	1" Ice No Ice 1/2" Ice	8.01 8.52 9.04	4.23 4.69 5.16	0.11 0.19 0.29
MX08FRO665-21 w/ Mount Pipe	B	From Face	3.00 0.00 0.00	0.0000	129.00	1" Ice No Ice 1/2" Ice	8.01 8.52 9.04	4.23 4.69 5.16	0.11 0.19 0.29
MX08FRO665-21 w/ Mount Pipe	C	From Face	3.00 0.00 0.00	0.0000	129.00	1" Ice No Ice 1/2" Ice	8.01 8.52 9.04	4.23 4.69 5.16	0.11 0.19 0.29
TA08025-B604	A	From Face	3.00 0.00 0.00	0.0000	129.00	1" Ice No Ice 1/2" Ice	1.96 2.14 2.32	0.98 1.11 1.25	0.06 0.08 0.10
TA08025-B604	B	From Face	3.00 0.00 0.00	0.0000	129.00	1" Ice No Ice 1/2" Ice	1.96 2.14 2.32	0.98 1.11 1.25	0.06 0.08 0.10
TA08025-B604	C	From Face	3.00 0.00 0.00	0.0000	129.00	1" Ice No Ice 1/2" Ice	1.96 2.14 2.32	0.98 1.11 1.25	0.06 0.08 0.10
TA08025-B605	A	From Face	3.00 0.00 0.00	0.0000	129.00	1" Ice No Ice 1/2" Ice	1.96 2.14 2.32	1.13 1.27 1.41	0.08 0.09 0.11
TA08025-B605	B	From Face	3.00 0.00 0.00	0.0000	129.00	1" Ice No Ice 1/2" Ice	1.96 2.14 2.32	1.13 1.27 1.41	0.08 0.09 0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
TA08025-B605	C	From Face	3.00 0.00 0.00	0.0000	129.00	1" Ice No Ice 1/2" Ice	1.96 2.14 2.32	1.13 1.27 1.41	0.08 0.09 0.11
RDIDC-9181-PF-48	A	From Face	3.00 0.00 0.00	0.0000	129.00	1" Ice No Ice 1/2" Ice	2.01 2.19 2.37	1.17 1.31 1.46	0.02 0.04 0.06
116 Platform Mount [LP 712-1]	C	None		0.0000	116.00	1" Ice No Ice 1/2" Ice	24.56 27.92 31.27	24.56 27.92 31.27	1.34 1.91 2.55
Miscellaneous [NA 507-1]	C	None		0.0000	116.00	1" Ice No Ice 1/2" Ice	4.56 6.39 8.18	4.56 6.39 8.18	0.25 0.31 0.40
6"x2" Mount Pipe	A	From Face	3.00 0.00 0.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
6"x2" Mount Pipe	B	From Face	3.00 0.00 0.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
6"x2" Mount Pipe	C	From Face	3.00 0.00 0.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	1.43 1.92 2.29	1.43 1.92 2.29	0.02 0.03 0.05
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	14.69 15.46 16.23	6.87 7.55 8.25	0.19 0.31 0.46
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	3.76 4.12 4.48	3.15 3.49 3.84	0.19 0.25 0.32
AIR 32 B2A/B66AA w/ Mount Pipe	B	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	3.76 4.12 4.48	3.15 3.49 3.84	0.19 0.25 0.32
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	3.76 4.12 4.48	3.15 3.49 3.84	0.19 0.25 0.32
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	A	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	3.14 3.45 3.77	2.59 2.88 3.19	0.11 0.16 0.23
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	B	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	3.14 3.45 3.77	2.59 2.88 3.19	0.11 0.16 0.23
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	C	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	3.14 3.45 3.77	2.59 2.88 3.19	0.11 0.16 0.23

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
RADIO 4449 B12/B71	A	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	1.65 1.81 1.98	1.30 1.44 1.60	0.08 0.09 0.11
RADIO 4449 B12/B71	B	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	1.65 1.81 1.98	1.30 1.44 1.60	0.08 0.09 0.11
RADIO 4449 B12/B71	C	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	1.65 1.81 1.98	1.30 1.44 1.60	0.08 0.09 0.11
KRY 112 144/1	A	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	0.35 0.43 0.51	0.17 0.23 0.30	0.01 0.01 0.02
KRY 112 144/1	B	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	0.35 0.43 0.51	0.17 0.23 0.30	0.01 0.01 0.02
KRY 112 144/1	C	From Face	3.00 0.00 2.00	0.0000	116.00	1" Ice No Ice 1/2" Ice	0.35 0.43 0.51	0.17 0.23 0.30	0.01 0.01 0.02
84 Side Arm Mount [4' SO 702-1]	C	From Face	1.50 0.00 0.00	0.0000	84.00	1" Ice No Ice 1/2" Ice	0.41 0.49 0.59	0.99 1.38 1.69	0.02 0.03 0.04
GPS_A	C	From Face	3.00 0.00 0.00	0.0000	84.00	1" Ice No Ice 1/2" Ice	0.26 0.32 0.39	0.26 0.32 0.39	0.00 0.00 0.01
40 Pipe Mount [PM 601-1]	A	From Face	1.00 0.00 0.00	0.0000	40.00	1" Ice No Ice 1/2" Ice	1.32 1.58 1.84	1.32 1.58 1.84	0.07 0.08 0.09
GPS-QBW-20N	A	From Face	1.00 0.00 0.00	0.0000	40.00	1" Ice No Ice 1/2" Ice	0.13 0.18 0.23	0.13 0.18 0.23	0.00 0.00 0.00
*** ***** ***** *****						1" Ice			

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	160 - 155	Pole	Max Tension	14	0.00	-0.00	0.00
			Max. Compression	26	-8.07	0.00	-0.01
			Max. Mx	20	-3.90	12.10	-0.00
			Max. My	14	-3.90	-0.00	-12.10
			Max. Vy	20	-4.71	12.10	-0.00
			Max. Vx	14	4.71	-0.00	-12.10
			Max. Torque	8			0.00
			Max Tension	1	0.00	0.00	0.00
L2	155 - 150	Pole	Max. Compression	26	-8.61	0.00	-0.03
			Max. Mx	20	-4.26	36.57	-0.00
			Max. My	14	-4.26	-0.00	-36.58
			Max. Vy	20	-5.08	36.57	-0.00
			Max. Vx	14	5.08	-0.00	-36.58
			Max. Torque	8			0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-16.91	0.01	-0.05
L3	150 - 145	Pole	Max. Mx	20	-8.15	85.03	-0.01
			Max. My	14	-8.15	-0.00	-85.05

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L4	145 - 140	Pole	Max. Vy	20	-9.91	85.03	-0.01
			Max. Vx	14	9.92	-0.00	-85.05
			Max. Torque	8			0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-17.55	0.01	-0.07
			Max. Mx	20	-8.60	135.57	-0.01
			Max. My	14	-8.60	-0.00	-135.60
			Max. Vy	20	-10.31	135.57	-0.01
L5	140 - 135	Pole	Max. Vx	14	10.31	-0.00	-135.60
			Max. Torque	8			0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-27.98	0.37	-1.41
			Max. Mx	20	-13.14	223.38	-0.79
			Max. My	14	-13.13	-0.03	-224.52
			Max. Vy	20	-16.96	223.38	-0.79
			Max. Vx	14	17.01	-0.03	-224.52
L6	135 - 130	Pole	Max. Torque	10			-0.46
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-28.74	0.38	-1.44
			Max. Mx	20	-13.74	309.16	-0.71
			Max. My	14	-13.73	-0.13	-310.52
			Max. Vy	20	-17.36	309.16	-0.71
			Max. Vx	14	17.40	-0.13	-310.52
			Max. Torque	10			-0.46
L7	130 - 125	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-34.44	0.61	-1.34
			Max. Mx	20	-17.37	407.86	-0.53
			Max. My	14	-17.37	-0.19	-409.26
			Max. Vy	20	-20.47	407.86	-0.53
			Max. Vx	14	20.50	-0.19	-409.26
			Max. Torque	12			-0.49
			Max Tension	1	0.00	0.00	0.00
L8	125 - 120	Pole	Max. Compression	26	-35.27	0.62	-1.36
			Max. Mx	20	-18.07	511.12	-0.39
			Max. My	14	-18.06	-0.34	-512.68
			Max. Vy	20	-20.86	511.12	-0.39
			Max. Vx	14	20.89	-0.34	-512.68
			Max. Torque	12			-0.49
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.98	0.62	-1.37
L9	120 - 111.333	Pole	Max. Mx	20	-18.68	595.13	-0.28
			Max. My	14	-18.68	-0.46	-596.82
			Max. Vy	20	-21.17	595.13	-0.28
			Max. Vx	14	21.20	-0.46	-596.82
			Max. Torque	12			-0.49
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.77	0.62	-1.38
			Max. Mx	20	-23.88	720.69	-0.13
L10	111.333 - 111	Pole	Max. My	14	-23.88	-0.61	-722.54
			Max. Vy	20	-24.73	720.69	-0.13
			Max. Vx	14	24.76	-0.61	-722.54
			Max. Torque	12			-0.49
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-45.93	0.62	-1.40
			Max. Mx	20	-24.91	845.31	0.01
			Max. My	14	-24.90	-0.76	-847.32
L11	111 - 106	Pole	Max. Vy	20	-25.14	845.31	0.01
			Max. Vx	14	25.17	-0.76	-847.32
			Max. Torque	12			-0.49
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.12	0.62	-1.41
			Max. Mx	20	-25.97	971.97	0.16
			Max. My	14	-25.97	-0.91	-974.14
			Max. Vy	20	-25.55	971.97	0.16
L12	106 - 101	Pole	Max. Vx	14	25.58	-0.91	-974.14
			Max. Torque	12			-0.49
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-47.12	0.62	-1.41
			Max. Mx	20	-25.97	971.97	0.16
			Max. My	14	-25.97	-0.91	-974.14
			Max. Vy	20	-25.55	971.97	0.16
			Max. Vx	14	25.58	-0.91	-974.14
L13	101 - 96	Pole	Max. Torque	12			-0.49
			Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L14	96 - 91	Pole	Max. Compression	26	-48.35	0.62	-1.42
			Max. Mx	20	-27.07	1100.65	0.30
			Max. My	14	-27.06	-1.06	-1102.98
			Max. Vy	20	-25.95	1100.65	0.30
			Max. Vx	14	25.99	-1.06	-1102.98
			Max. Torque	12			-0.49
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-49.60	0.62	-1.44
			Max. Mx	20	-28.20	1231.36	0.45
			Max. My	14	-28.19	-1.21	-1233.85
L15	91 - 86	Pole	Max. Vy	20	-26.36	1231.36	0.45
			Max. Vx	14	26.39	-1.21	-1233.85
			Max. Torque	12			-0.49
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-50.94	0.62	-1.45
			Max. Mx	20	-29.36	1364.09	0.59
			Max. My	14	-29.35	-1.36	-1366.74
			Max. Vy	20	-26.77	1364.09	0.59
			Max. Vx	14	26.80	-1.36	-1366.74
			Max. Torque	12			-0.49
L16	86 - 85.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.03	0.62	-1.45
			Max. Mx	20	-29.45	1370.78	0.60
			Max. My	14	-29.44	-1.37	-1373.44
			Max. Vy	20	-26.78	1370.78	0.60
			Max. Vx	14	26.81	-1.37	-1373.44
			Max. Torque	12			-0.49
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.83	0.62	-1.64
			Max. Mx	20	-30.93	1499.14	0.67
L17	85.75 - 81	Pole	Max. My	14	-30.93	-1.51	-1501.95
			Max. Vy	20	-27.27	1499.14	0.67
			Max. Vx	14	27.29	-1.51	-1501.95
			Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.91	0.62	-1.64
			Max. Mx	20	-31.01	1505.96	0.68
			Max. My	14	-31.01	-1.52	-1508.78
			Max. Vy	20	-27.30	1505.96	0.68
			Max. Vx	14	27.31	-1.52	-1508.78
L18	81 - 80.75	Pole	Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.99	0.62	-1.64
			Max. Mx	20	-31.08	1512.78	0.69
			Max. My	14	-31.08	-1.53	-1515.60
			Max. Vy	20	-27.32	1512.78	0.69
			Max. Vx	14	27.33	-1.53	-1515.60
			Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-53.44	0.62	-1.64
L19	80.75 - 80.5	Pole	Max. Mx	20	-31.45	1553.82	0.73
			Max. My	14	-31.45	-1.57	-1556.66
			Max. Vy	20	-27.45	1553.82	0.73
			Max. Vx	14	27.46	-1.57	-1556.66
			Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-56.93	0.62	-1.66
			Max. Mx	20	-34.35	1741.39	0.93
			Max. My	14	-34.35	-1.77	-1744.32
			Max. Vy	20	-28.14	1741.39	0.93
L20	80.5 - 73.25	Pole	Max. Vx	14	28.16	-1.77	-1744.32
			Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-58.49	0.62	-1.68
			Max. Mx	20	-35.76	1883.05	1.07
			Max. My	14	-35.76	-1.92	-1886.05
			Max. Vy	20	-28.55	1883.05	1.07
			Max. Vx	14			
			Max. Torque	10			
			Max Tension	1			
L21	73.25 - 72.25	Pole	Max. Compression	26	-56.93	0.62	-1.66
			Max. Mx	20	-34.35	1741.39	0.93
			Max. My	14	-34.35	-1.77	-1744.32
			Max. Vy	20	-28.14	1741.39	0.93
			Max. Vx	14	28.16	-1.77	-1744.32
			Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-58.49	0.62	-1.68
			Max. Mx	20	-35.76	1883.05	1.07
			Max. My	14	-35.76	-1.92	-1886.05
L22	72.25 - 67.25	Pole	Max. Vy	20	-28.55	1883.05	1.07
			Max. Vx	14			
			Max. Torque	10			
			Max Tension	1			
			Max. Compression	26	-58.49	0.62	-1.68
			Max. Mx	20	-35.76	1883.05	1.07
			Max. My	14	-35.76	-1.92	-1886.05
			Max. Vy	20	-28.55	1883.05	1.07
			Max. Vx	14			
			Max. Torque	10			

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L23	67.25 - 62.25	Pole	Max. Vx	14	28.57	-1.92	-1886.05
			Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.08	0.62	-1.69
			Max. Mx	20	-37.20	2026.75	1.22
			Max. My	14	-37.20	-2.07	-2029.81
			Max. Vy	20	-28.96	2026.75	1.22
L24	62.25 - 57.25	Pole	Max. Vx	14	28.97	-2.07	-2029.81
			Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-61.71	0.62	-1.71
			Max. Mx	20	-38.68	2172.45	1.37
			Max. My	14	-38.68	-2.22	-2175.57
			Max. Vy	20	-29.36	2172.45	1.37
L25	57.25 - 52.25	Pole	Max. Vx	14	29.37	-2.22	-2175.57
			Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-63.38	0.62	-1.72
			Max. Mx	20	-40.19	2320.13	1.51
			Max. My	14	-40.19	-2.37	-2323.31
			Max. Vy	20	-29.75	2320.13	1.51
L26	52.25 - 49.83	Pole	Max. Vx	14	29.76	-2.37	-2323.31
			Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-64.42	0.62	-1.73
			Max. Mx	20	-41.11	2392.32	1.58
			Max. My	14	-41.11	-2.45	-2395.53
			Max. Vy	20	-29.95	2392.32	1.58
L27	49.83 - 49.58	Pole	Max. Vx	14	29.96	-2.45	-2395.53
			Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-64.53	0.62	-1.73
			Max. Mx	20	-41.22	2399.80	1.59
			Max. My	14	-41.22	-2.45	-2403.02
			Max. Vy	20	-29.96	2399.80	1.59
L28	49.58 - 44.58	Pole	Max. Vx	14	29.97	-2.45	-2403.02
			Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-66.70	0.62	-1.75
			Max. Mx	20	-43.14	2550.50	1.73
			Max. My	14	-43.14	-2.60	-2553.78
			Max. Vy	20	-30.35	2550.50	1.73
L29	44.58 - 36.3333	Pole	Max. Vx	14	30.36	-2.60	-2553.78
			Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-67.40	0.62	-1.75
			Max. Mx	20	-43.75	2598.53	1.78
			Max. My	14	-43.75	-2.65	-2601.82
			Max. Vy	20	-30.48	2598.53	1.78
L30	36.3333 - 35.3333	Pole	Max. Vx	14	30.49	-2.65	-2601.82
			Max. Torque	10			-0.57
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-73.05	0.89	-1.62
			Max. Mx	20	-48.57	2835.29	2.11
			Max. My	14	-48.57	-2.68	-2838.36
			Max. Vy	20	-31.24	2835.29	2.11
L31	35.3333 - 32.25	Pole	Max. Vx	14	31.25	-2.68	-2838.36
			Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-74.48	0.89	-1.63

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L32	32.25 - 32	Pole	Max. Mx	20	-49.85	2931.88	2.20
			Max. My	14	-49.85	-2.77	-2934.99
			Max. Vy	20	-31.45	2931.88	2.20
			Max. Vx	14	31.47	-2.77	-2934.99
			Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-74.60	0.89	-1.63
			Max. Mx	20	-49.97	2939.74	2.21
			Max. My	14	-49.97	-2.77	-2942.85
			Max. Vy	20	-31.46	2939.74	2.21
L33	32 - 27	Pole	Max. Vx	14	31.48	-2.77	-2942.85
			Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-76.97	0.89	-1.64
			Max. Mx	20	-52.08	3097.82	2.35
			Max. My	14	-52.08	-2.92	-3100.99
			Max. Vy	20	-31.80	3097.82	2.35
			Max. Vx	14	31.81	-2.92	-3100.99
			Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00
L34	27 - 22	Pole	Max. Compression	26	-79.37	0.89	-1.66
			Max. Mx	20	-54.23	3257.54	2.50
			Max. My	14	-54.23	-3.07	-3260.77
			Max. Vy	20	-32.13	3257.54	2.50
			Max. Vx	14	32.14	-3.07	-3260.77
			Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-81.80	0.89	-1.67
			Max. Mx	20	-56.42	3418.91	2.64
			Max. My	14	-56.42	-3.21	-3422.19
L35	22 - 17	Pole	Max. Vy	20	-32.46	3418.91	2.64
			Max. Vx	14	32.47	-3.21	-3422.19
			Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.60	0.89	-1.68
			Max. Mx	20	-57.13	3467.64	2.68
			Max. My	14	-57.13	-3.26	-3470.95
			Max. Vy	20	-32.57	3467.64	2.68
			Max. Vx	14	32.58	-3.26	-3470.95
			Max. Torque	12			-0.60
L36	17 - 15.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-82.73	0.89	-1.68
			Max. Mx	20	-57.26	3475.78	2.69
			Max. My	14	-57.26	-3.26	-3479.09
			Max. Vy	20	-32.57	3475.78	2.69
			Max. Vx	14	32.58	-3.26	-3479.09
			Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.00	0.89	-1.68
			Max. Mx	20	-57.50	3492.07	2.70
L37	15.5 - 15.25	Pole	Max. My	14	-57.50	-3.28	-3495.38
			Max. Vy	20	-32.60	3492.07	2.70
			Max. Vx	14	32.61	-3.28	-3495.38
			Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.14	0.89	-1.68
			Max. Mx	20	-57.62	3500.22	2.71
			Max. My	14	-57.62	-3.29	-3503.53
			Max. Vy	20	-32.62	3500.22	2.71
			Max. Vx	14	32.63	-3.29	-3503.53
L38	15.25 - 14.75	Pole	Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.61	0.89	-1.69
			Max. Mx	20	-59.84	3664.09	2.85
			Max. My	14	-59.84	-3.43	-3667.46
			Max. Vy	20	-32.96	3664.09	2.85
			Max. Vx	14	32.97	-3.43	-3667.46
			Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.61	0.89	-1.69
L39	14.75 - 14.5	Pole	Max. Mx	20	-59.84	3664.09	2.85
			Max. My	14	-59.84	-3.43	-3667.46
			Max. Vy	20	-32.96	3664.09	2.85
			Max. Vx	14	32.97	-3.43	-3667.46
			Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.61	0.89	-1.69
			Max. Mx	20	-59.84	3664.09	2.85
			Max. My	14	-59.84	-3.43	-3667.46
			Max. Vy	20	-32.96	3664.09	2.85
L40	14.5 - 9.5	Pole	Max. Vx	14	32.97	-3.43	-3667.46
			Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.61	0.89	-1.69
			Max. Mx	20	-59.84	3664.09	2.85
			Max. My	14	-59.84	-3.43	-3667.46
			Max. Vy	20	-32.96	3664.09	2.85
			Max. Vx	14	32.97	-3.43	-3667.46
			Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L41	9.5 - 4.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-87.89	0.89	-1.69
			Max. Mx	20	-61.93	3829.62	3.00
			Max. My	14	-61.93	-3.58	-3833.05
			Max. Vy	20	-33.30	3829.62	3.00
			Max. Vx	14	33.31	-3.58	-3833.05
L42	4.5 - 0	Pole	Max. Torque	12			-0.60
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-89.88	0.89	-1.69
			Max. Mx	20	-63.78	3980.04	3.13
			Max. My	14	-63.78	-3.70	-3983.51
			Max. Vy	20	-33.60	3980.04	3.13
			Max. Vx	14	33.61	-3.70	-3983.51
			Max. Torque	12			-0.60

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	89.88	0.00	-0.00
	Max. H _x	20	63.79	33.58	0.03
	Max. H _z	2	63.79	0.03	33.59
	Max. M _x	2	3981.48	0.03	33.59
	Max. M _z	8	3979.15	-33.58	-0.03
	Max. Torsion	24	0.60	16.81	29.10
	Min. Vert	7	47.84	-29.07	16.77
	Min. H _x	8	63.79	-33.58	-0.03
	Min. H _z	14	63.79	-0.03	-33.59
	Min. M _x	14	-3983.51	-0.03	-33.59
	Min. M _z	20	-3980.04	33.58	0.03
	Min. Torsion	12	-0.60	-16.81	-29.10

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	53.16	0.00	0.00	0.76	0.34	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	63.79	-0.03	-33.59	-3981.48	4.58	-0.48
0.9 Dead+1.0 Wind 0 deg - No Ice	47.84	-0.03	-33.59	-3923.84	4.40	-0.48
1.2 Dead+1.0 Wind 30 deg - No Ice	63.79	16.76	-29.07	-3445.87	-1985.78	-0.23
0.9 Dead+1.0 Wind 30 deg - No Ice	47.84	16.76	-29.07	-3396.02	-1957.01	-0.24
1.2 Dead+1.0 Wind 60 deg - No Ice	63.79	29.07	-16.77	-1986.66	-3443.93	0.08
0.9 Dead+1.0 Wind 60 deg - No Ice	47.84	29.07	-16.77	-1958.03	-3393.97	0.06
1.2 Dead+1.0 Wind 90 deg - No Ice	63.79	33.58	0.03	5.16	-3979.15	0.38
0.9 Dead+1.0 Wind 90 deg - No Ice	47.84	33.58	0.03	4.82	-3921.41	0.35
1.2 Dead+1.0 Wind 120 deg - No Ice	63.79	29.09	16.82	1995.85	-3448.05	0.57
0.9 Dead+1.0 Wind 120 deg - No Ice	47.84	29.09	16.82	1966.56	-3398.02	0.54
1.2 Dead+1.0 Wind 150 deg - No Ice	63.79	16.81	29.10	3452.03	-1992.94	0.60

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
0.9 Dead+1.0 Wind 150 deg	47.84	16.81	29.10	3401.55	-1964.07	0.59
- No Ice						
1.2 Dead+1.0 Wind 180 deg	63.79	0.03	33.59	3983.51	-3.70	0.47
- No Ice						
0.9 Dead+1.0 Wind 180 deg	47.84	0.03	33.59	3925.32	-3.76	0.47
- No Ice						
1.2 Dead+1.0 Wind 210 deg	63.79	-16.76	29.07	3447.91	1986.65	0.22
- No Ice						
0.9 Dead+1.0 Wind 210 deg	47.84	-16.76	29.07	3397.50	1957.66	0.23
- No Ice						
1.2 Dead+1.0 Wind 240 deg	63.79	-29.07	16.77	1988.69	3444.81	-0.09
- No Ice						
0.9 Dead+1.0 Wind 240 deg	47.84	-29.07	16.77	1959.51	3394.61	-0.07
- No Ice						
1.2 Dead+1.0 Wind 270 deg	63.79	-33.58	-0.03	-3.13	3980.04	-0.37
- No Ice						
0.9 Dead+1.0 Wind 270 deg	47.84	-33.58	-0.03	-3.34	3922.06	-0.35
- No Ice						
1.2 Dead+1.0 Wind 300 deg	63.79	-29.09	-16.82	-1993.82	3448.94	-0.56
- No Ice						
0.9 Dead+1.0 Wind 300 deg	47.84	-29.09	-16.82	-1965.08	3398.68	-0.53
- No Ice						
1.2 Dead+1.0 Wind 330 deg	63.79	-16.81	-29.10	-3450.00	1993.82	-0.60
- No Ice						
0.9 Dead+1.0 Wind 330 deg	47.84	-16.81	-29.10	-3400.08	1964.71	-0.58
- No Ice						
1.2 Dead+1.0 Ice+1.0 Temp	89.88	-0.00	0.00	1.69	0.89	0.00
1.2 Dead+1.0 Wind 0	89.88	-0.01	-8.29	-1021.20	1.84	-0.12
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 30	89.88	4.14	-7.18	-883.70	-509.62	-0.05
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 60	89.88	7.18	-4.14	-508.90	-884.27	0.03
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 90	89.88	8.29	0.01	2.77	-1021.71	0.11
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 120	89.88	7.19	4.15	514.21	-885.13	0.15
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 150	89.88	4.15	7.19	888.38	-511.11	0.16
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180	89.88	0.01	8.29	1025.02	0.12	0.12
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 210	89.88	-4.14	7.18	887.52	511.59	0.05
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 240	89.88	-7.18	4.14	512.72	886.23	-0.03
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 270	89.88	-8.29	-0.01	1.05	1023.68	-0.11
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300	89.88	-7.19	-4.15	-510.39	887.09	-0.15
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	89.88	-4.15	-7.19	-884.56	513.08	-0.16
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	53.16	-0.01	-8.47	-994.93	1.40	-0.12
Dead+Wind 30 deg - Service	53.16	4.23	-7.33	-861.01	-496.26	-0.06
Dead+Wind 60 deg - Service	53.16	7.33	-4.23	-496.15	-860.85	0.02
Dead+Wind 90 deg - Service	53.16	8.46	0.01	1.87	-994.67	0.09
Dead+Wind 120 deg - Service	53.16	7.33	4.24	499.61	-861.88	0.14
Dead+Wind 150 deg - Service	53.16	4.24	7.34	863.71	-498.05	0.15
Dead+Wind 180 deg - Service	53.16	0.01	8.47	996.60	-0.67	0.12
Dead+Wind 210 deg - Service	53.16	-4.23	7.33	862.68	496.99	0.06
Dead+Wind 240 deg - Service	53.16	-7.33	4.23	497.82	861.58	-0.02
Dead+Wind 270 deg - Service	53.16	-8.46	-0.01	-0.20	995.41	-0.09
Dead+Wind 300 deg - Service	53.16	-7.33	-4.24	-497.94	862.61	-0.14

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead+Wind 330 deg - Service	53.16	-4.24	-7.34	-862.04	498.78	-0.15

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	-53.16	0.00	0.00	53.16	0.00	0.000%
2	-0.03	-63.79	-33.59	0.03	63.79	33.59	0.000%
3	-0.03	-47.84	-33.59	0.03	47.84	33.59	0.000%
4	16.76	-63.79	-29.07	-16.76	63.79	29.07	0.000%
5	16.76	-47.84	-29.07	-16.76	47.84	29.07	0.000%
6	29.07	-63.79	-16.77	-29.07	63.79	16.77	0.000%
7	29.07	-47.84	-16.77	-29.07	47.84	16.77	0.000%
8	33.58	-63.79	0.03	-33.58	63.79	-0.03	0.000%
9	33.58	-47.84	0.03	-33.58	47.84	-0.03	0.000%
10	29.09	-63.79	16.82	-29.09	63.79	-16.82	0.000%
11	29.09	-47.84	16.82	-29.09	47.84	-16.82	0.000%
12	16.81	-63.79	29.10	-16.81	63.79	-29.10	0.000%
13	16.81	-47.84	29.10	-16.81	47.84	-29.10	0.000%
14	0.03	-63.79	33.59	-0.03	63.79	-33.59	0.000%
15	0.03	-47.84	33.59	-0.03	47.84	-33.59	0.000%
16	-16.76	-63.79	29.07	16.76	63.79	-29.07	0.000%
17	-16.76	-47.84	29.07	16.76	47.84	-29.07	0.000%
18	-29.07	-63.79	16.77	29.07	63.79	-16.77	0.000%
19	-29.07	-47.84	16.77	29.07	47.84	-16.77	0.000%
20	-33.58	-63.79	-0.03	33.58	63.79	0.03	0.000%
21	-33.58	-47.84	-0.03	33.58	47.84	0.03	0.000%
22	-29.09	-63.79	-16.82	29.09	63.79	16.82	0.000%
23	-29.09	-47.84	-16.82	29.09	47.84	16.82	0.000%
24	-16.81	-63.79	-29.10	16.81	63.79	29.10	0.000%
25	-16.81	-47.84	-29.10	16.81	47.84	29.10	0.000%
26	0.00	-89.88	0.00	0.00	89.88	-0.00	0.000%
27	-0.01	-89.88	-8.29	0.01	89.88	8.29	0.000%
28	4.14	-89.88	-7.18	-4.14	89.88	7.18	0.000%
29	7.18	-89.88	-4.14	-7.18	89.88	4.14	0.000%
30	8.29	-89.88	0.01	-8.29	89.88	-0.01	0.000%
31	7.19	-89.88	4.15	-7.19	89.88	-4.15	0.000%
32	4.15	-89.88	7.19	-4.15	89.88	-7.19	0.000%
33	0.01	-89.88	8.29	-0.01	89.88	-8.29	0.000%
34	-4.14	-89.88	7.18	4.14	89.88	-7.18	0.000%
35	-7.18	-89.88	4.14	7.18	89.88	-4.14	0.000%
36	-8.29	-89.88	-0.01	8.29	89.88	0.01	0.000%
37	-7.19	-89.88	-4.15	7.19	89.88	4.15	0.000%
38	-4.15	-89.88	-7.19	4.15	89.88	7.19	0.000%
39	-0.01	-53.16	-8.47	0.01	53.16	8.47	0.000%
40	4.23	-53.16	-7.33	-4.23	53.16	7.33	0.000%
41	7.33	-53.16	-4.23	-7.33	53.16	4.23	0.000%
42	8.46	-53.16	0.01	-8.46	53.16	-0.01	0.000%
43	7.33	-53.16	4.24	-7.33	53.16	-4.24	0.000%
44	4.24	-53.16	7.34	-4.24	53.16	-7.34	0.000%
45	0.01	-53.16	8.47	-0.01	53.16	-8.47	0.000%
46	-4.23	-53.16	7.33	4.23	53.16	-7.33	0.000%
47	-7.33	-53.16	4.23	7.33	53.16	-4.23	0.000%
48	-8.46	-53.16	-0.01	8.46	53.16	0.01	0.000%
49	-7.33	-53.16	-4.24	7.33	53.16	4.24	0.000%
50	-4.24	-53.16	-7.34	4.24	53.16	7.34	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00065643
3	Yes	5	0.00000001	0.00026633
4	Yes	7	0.00000001	0.00013899
5	Yes	6	0.00000001	0.00069451
6	Yes	7	0.00000001	0.00013903
7	Yes	6	0.00000001	0.00069496
8	Yes	5	0.00000001	0.00066008
9	Yes	5	0.00000001	0.00026238
10	Yes	7	0.00000001	0.00014112
11	Yes	6	0.00000001	0.00070487
12	Yes	7	0.00000001	0.00013914
13	Yes	6	0.00000001	0.00069490
14	Yes	5	0.00000001	0.00057772
15	Yes	5	0.00000001	0.00022088
16	Yes	7	0.00000001	0.00013990
17	Yes	6	0.00000001	0.00069896
18	Yes	7	0.00000001	0.00013980
19	Yes	6	0.00000001	0.00069825
20	Yes	5	0.00000001	0.00057939
21	Yes	5	0.00000001	0.00021807
22	Yes	7	0.00000001	0.00013896
23	Yes	6	0.00000001	0.00069429
24	Yes	7	0.00000001	0.00014100
25	Yes	6	0.00000001	0.00070452
26	Yes	4	0.00000001	0.00012079
27	Yes	7	0.00000001	0.00014629
28	Yes	7	0.00000001	0.00017545
29	Yes	7	0.00000001	0.00017541
30	Yes	7	0.00000001	0.00014651
31	Yes	7	0.00000001	0.00017732
32	Yes	7	0.00000001	0.00017705
33	Yes	7	0.00000001	0.00014744
34	Yes	7	0.00000001	0.00017739
35	Yes	7	0.00000001	0.00017733
36	Yes	7	0.00000001	0.00014700
37	Yes	7	0.00000001	0.00017626
38	Yes	7	0.00000001	0.00017662
39	Yes	5	0.00000001	0.00011254
40	Yes	5	0.00000001	0.00056256
41	Yes	5	0.00000001	0.00056298
42	Yes	5	0.00000001	0.00011254
43	Yes	5	0.00000001	0.00058263
44	Yes	5	0.00000001	0.00056341
45	Yes	5	0.00000001	0.00011260
46	Yes	5	0.00000001	0.00057345
47	Yes	5	0.00000001	0.00057249
48	Yes	5	0.00000001	0.00011226
49	Yes	5	0.00000001	0.00056052
50	Yes	5	0.00000001	0.00058022

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	28.228	44	1.5989	0.0009
L2	155 - 150	26.555	44	1.5977	0.0009
L3	150 - 145	24.886	44	1.5890	0.0009
L4	145 - 140	23.231	44	1.5706	0.0009
L5	140 - 135	21.602	44	1.5416	0.0009
L6	135 - 130	20.008	44	1.5003	0.0008
L7	130 - 125	18.464	44	1.4472	0.0007
L8	125 - 120	16.981	44	1.3852	0.0006
L9	120 - 111.333	15.567	44	1.3153	0.0006
L10	116 - 111	14.490	44	1.2551	0.0005

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L11	111 - 106	13.194	44	1.2183	0.0005
L12	106 - 101	11.952	44	1.1528	0.0004
L13	101 - 96	10.780	44	1.0851	0.0004
L14	96 - 91	9.680	44	1.0158	0.0003
L15	91 - 86	8.653	44	0.9456	0.0003
L16	86 - 85.75	7.700	44	0.8751	0.0003
L17	85.75 - 81	7.654	44	0.8727	0.0003
L18	81 - 80.75	6.809	44	0.8266	0.0002
L19	80.75 - 80.5	6.766	44	0.8231	0.0002
L20	80.5 - 73.25	6.723	44	0.8196	0.0002
L21	79 - 72.25	6.469	44	0.7985	0.0002
L22	72.25 - 67.25	5.372	44	0.7480	0.0002
L23	67.25 - 62.25	4.621	44	0.6861	0.0002
L24	62.25 - 57.25	3.934	44	0.6251	0.0002
L25	57.25 - 52.25	3.311	44	0.5650	0.0001
L26	52.25 - 49.83	2.751	44	0.5059	0.0001
L27	49.83 - 49.58	2.501	44	0.4777	0.0001
L28	49.58 - 44.58	2.477	44	0.4748	0.0001
L29	44.58 - 36.3333	2.010	44	0.4173	0.0001
L30	43 - 35.3333	1.874	44	0.3993	0.0001
L31	35.3333 - 32.25	1.267	44	0.3517	0.0001
L32	32.25 - 32	1.051	44	0.3188	0.0001
L33	32 - 27	1.034	44	0.3162	0.0001
L34	27 - 22	0.731	44	0.2637	0.0001
L35	22 - 17	0.482	44	0.2124	0.0000
L36	17 - 15.5	0.286	44	0.1623	0.0000
L37	15.5 - 15.25	0.237	44	0.1476	0.0000
L38	15.25 - 14.75	0.229	44	0.1451	0.0000
L39	14.75 - 14.5	0.214	44	0.1402	0.0000
L40	14.5 - 9.5	0.207	44	0.1378	0.0000
L41	9.5 - 4.5	0.088	44	0.0892	0.0000
L42	4.5 - 0	0.020	44	0.0418	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
157.00	Platform Mount [13' LP 713-1]	44	27.224	1.5988	0.0009	60063
149.00	Platform Mount [13' LP 713-1]	44	24.554	1.5861	0.0009	18843
139.00	Platform Mount [LP 713-1]	44	21.280	1.5344	0.0009	7728
129.00	Commscope MC-PK8-DSH	44	18.163	1.4353	0.0007	4846
116.00	Platform Mount [LP 712-1]	44	14.490	1.2551	0.0005	5248
84.00	Side Arm Mount [4' SO 702-1]	44	7.337	0.8576	0.0003	5283
40.00	Pipe Mount [PM 601-1]	44	1.627	0.3784	0.0001	8472

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 155	112.840	14	6.3992	0.0037
L2	155 - 150	106.156	14	6.3942	0.0037
L3	150 - 145	99.492	14	6.3593	0.0037
L4	145 - 140	92.883	14	6.2854	0.0037
L5	140 - 135	86.374	14	6.1692	0.0037
L6	135 - 130	80.009	14	6.0052	0.0033
L7	130 - 125	73.841	14	5.7942	0.0029
L8	125 - 120	67.913	12	5.5469	0.0026
L9	120 - 111.333	62.263	12	5.2675	0.0022
L10	116 - 111	57.960	12	5.0269	0.0020

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L11	111 - 106	52.779	12	4.8794	0.0018
L12	106 - 101	47.815	12	4.6174	0.0016
L13	101 - 96	43.130	12	4.3459	0.0015
L14	96 - 91	38.731	12	4.0683	0.0013
L15	91 - 86	34.623	12	3.7872	0.0012
L16	86 - 85.75	30.809	12	3.5046	0.0010
L17	85.75 - 81	30.626	12	3.4950	0.0010
L18	81 - 80.75	27.245	12	3.3103	0.0010
L19	80.75 - 80.5	27.072	12	3.2962	0.0010
L20	80.5 - 73.25	26.900	12	3.2822	0.0009
L21	79 - 72.25	25.883	12	3.1976	0.0009
L22	72.25 - 67.25	21.494	12	2.9953	0.0008
L23	67.25 - 62.25	18.489	12	2.7474	0.0007
L24	62.25 - 57.25	15.742	12	2.5028	0.0006
L25	57.25 - 52.25	13.249	12	2.2619	0.0006
L26	52.25 - 49.83	11.006	12	2.0251	0.0005
L27	49.83 - 49.58	10.008	12	1.9120	0.0005
L28	49.58 - 44.58	9.908	12	1.9004	0.0005
L29	44.58 - 36.3333	8.040	12	1.6702	0.0004
L30	43 - 35.3333	7.499	12	1.5983	0.0004
L31	35.3333 - 32.25	5.070	12	1.4076	0.0003
L32	32.25 - 32	4.204	12	1.2757	0.0003
L33	32 - 27	4.138	12	1.2651	0.0003
L34	27 - 22	2.923	12	1.0552	0.0002
L35	22 - 17	1.926	12	0.8498	0.0002
L36	17 - 15.5	1.142	12	0.6490	0.0001
L37	15.5 - 15.25	0.947	12	0.5903	0.0001
L38	15.25 - 14.75	0.917	12	0.5804	0.0001
L39	14.75 - 14.5	0.857	12	0.5608	0.0001
L40	14.5 - 9.5	0.828	12	0.5510	0.0001
L41	9.5 - 4.5	0.353	12	0.3569	0.0001
L42	4.5 - 0	0.079	12	0.1671	0.0000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
157.00	Platform Mount [13' LP 713-1]	14	108.829	6.3985	0.0037	15327
149.00	Platform Mount [13' LP 713-1]	14	98.165	6.3477	0.0037	4802
139.00	Platform Mount [LP 713-1]	14	85.088	6.1403	0.0037	1980
129.00	Commscope MC-PK8-DSH	14	72.635	5.7469	0.0029	1239
116.00	Platform Mount [LP 712-1]	12	57.960	5.0269	0.0020	1332
84.00	Side Arm Mount [4' SO 702-1]	12	29.359	3.4347	0.0010	1328
40.00	Pipe Mount [PM 601-1]	12	6.509	1.5142	0.0004	2119

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	160 - 155 (1)	TP20.801x19.6x0.25	5.00	0.00	0.0	16.543 6	-3.90	967.80	0.004
L2	155 - 150 (2)	TP22.0021x20.801x0.25	5.00	0.00	0.0	17.510 4	-4.26	1024.36	0.004
L3	150 - 145 (3)	TP23.2031x22.0021x0.25	5.00	0.00	0.0	18.477	-8.14	1080.92	0.008

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L4	145 - 140 (4)	TP24.4041x23.2031x0.25	5.00	0.00	0.0	19.444 ²	-8.60	1137.48	0.008
L5	140 - 135 (5)	TP25.6051x24.4041x0.25	5.00	0.00	0.0	20.410 ¹	-13.13	1194.04	0.011
L6	135 - 130 (6)	TP26.8062x25.6051x0.25	5.00	0.00	0.0	21.377 ⁹	-13.73	1250.60	0.011
L7	130 - 125 (7)	TP28.0072x26.8062x0.25	5.00	0.00	0.0	22.344 ⁷	-17.37	1307.16	0.013
L8	125 - 120 (8)	TP29.2082x28.0072x0.25	5.00	0.00	0.0	23.311 ⁵	-18.06	1363.71	0.013
L9	120 - 111.333 (9)	TP31.29x29.2082x0.25	8.67	0.00	0.0	24.084 ⁴	-18.68	1408.96	0.013
L10	111.333 - 111 (10)	TP30.867x29.669x0.3438	5.00	0.00	0.0	33.785 ⁸	-23.88	1976.45	0.012
L11	111 - 106 (11)	TP32.065x30.867x0.3438	5.00	0.00	0.0	35.111 ⁵	-24.90	2054.02	0.012
L12	106 - 101 (12)	TP33.2631x32.065x0.343 ⁸	5.00	0.00	0.0	36.437 ⁶	-25.96	2131.60	0.012
L13	101 - 96 (13)	TP34.4611x33.2631x0.34 ³⁸	5.00	0.00	0.0	37.763 ⁶	-27.06	2209.17	0.012
L14	96 - 91 (14)	TP35.6591x34.4611x0.34 ³⁸	5.00	0.00	0.0	39.089 ⁶	-28.19	2286.74	0.012
L15	91 - 86 (15)	TP36.8571x35.6591x0.34 ³⁸	5.00	0.00	0.0	40.415 ⁷	-29.35	2364.32	0.012
L16	86 - 85.75 (16)	TP36.917x36.8571x0.512 ⁵	0.25	0.00	0.0	60.076 ⁵	-29.44	3514.48	0.008
L17	85.75 - 81 (17)	TP38.0551x36.917x0.506 ³	4.75	0.00	0.0	61.209 ³	-30.93	3580.74	0.009
L18	81 - 80.75 (18)	TP38.115x38.0551x0.343 ⁸	0.25	0.00	0.0	41.808 ⁰	-31.01	2445.77	0.013
L19	80.75 - 80.5 (19)	TP38.1749x38.115x0.343 ⁸	0.25	0.00	0.0	41.874 ³	-31.07	2449.65	0.013
L20	80.5 - 73.25 (20)	TP39.912x38.1749x0.343 ⁸	7.25	0.00	0.0	42.272 ²	-31.45	2472.92	0.013
L21	73.25 - 72.25 (21)	TP39.467x37.8468x0.406 ³	6.75	0.00	0.0	51.096 ³	-34.35	2989.13	0.011
L22	72.25 - 67.25 (22)	TP40.6671x39.467x0.406 ³	5.00	0.00	0.0	52.666 ³	-35.76	3080.98	0.012
L23	67.25 - 62.25 (23)	TP41.8673x40.6671x0.40 ⁶³	5.00	0.00	0.0	54.236 ²	-37.20	3172.82	0.012
L24	62.25 - 57.25 (24)	TP43.0674x41.8673x0.40 ⁶³	5.00	0.00	0.0	55.806 ¹	-38.67	3264.66	0.012
L25	57.25 - 52.25 (25)	TP44.2675x43.0674x0.40 ⁶³	5.00	0.00	0.0	57.376 ¹	-40.19	3356.50	0.012
L26	52.25 - 49.83 (26)	TP44.8484x44.2675x0.40 ⁶³	2.42	0.00	0.0	58.135 ⁹	-41.11	3400.95	0.012
L27	49.83 - 49.58 (27)	TP44.9084x44.8484x0.40 ⁶³	0.25	0.00	0.0	58.214 ⁴	-41.22	3405.54	0.012
L28	49.58 - 44.58 (28)	TP46.1086x44.9084x0.40 ⁶³	5.00	0.00	0.0	59.784 ³	-43.14	3497.38	0.012
L29	44.58 - 36.3333 (29)	TP48.088x46.1086x0.406 ³	8.25	0.00	0.0	60.280 ⁴	-43.75	3526.41	0.012
L30	36.3333 - 35.3333 (30)	TP47.5161x45.6753x0.43 ⁷⁵	7.67	0.00	0.0	66.322 ⁰	-48.57	3879.84	0.013
L31	35.3333 - 32.25 (31)	TP48.2565x47.5161x0.43 ⁷⁵	3.08	0.00	0.0	67.365 ⁰	-49.85	3940.85	0.013
L32	32.25 - 32 (32)	TP48.3165x48.2565x0.43 ⁷⁵	0.25	0.00	0.0	67.449 ⁵	-49.97	3945.80	0.013
L33	32 - 27 (33)	TP49.5171x48.3165x0.43 ⁷⁵	5.00	0.00	0.0	69.140 ⁸	-52.08	4044.74	0.013
L34	27 - 22 (34)	TP50.7176x49.5171x0.43 ⁷⁵	5.00	0.00	0.0	70.832 ¹	-54.23	4143.68	0.013
L35	22 - 17 (35)	TP51.9181x50.7176x0.43 ⁷⁵	5.00	0.00	0.0	72.523 ⁴	-56.42	4242.62	0.013
L36	17 - 15.5 (36)	TP52.2783x51.9181x0.43 ⁷⁵	1.50	0.00	0.0	73.030 ⁷	-57.13	4272.30	0.013
L37	15.5 - 15.25 (37)	TP52.3383x52.2783x0.43 ⁷⁵	0.25	0.00	0.0	73.115 ³	-57.26	4277.25	0.013

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L38	15.25 - 14.75 (38)	TP52.4584x52.3383x0.43 75	0.50	0.00	0.0	73.284 4	-57.50	4287.14	0.013
L39	14.75 - 14.5 (39)	TP52.5184x52.4584x0.43 75	0.25	0.00	0.0	73.369 0	-57.62	4292.09	0.013
L40	14.5 - 9.5 (40)	TP53.719x52.5184x0.437 5	5.00	0.00	0.0	75.060 3	-59.84	4391.03	0.014
L41	9.5 - 4.5 (41)	TP54.9195x53.719x0.437 5	5.00	0.00	0.0	76.751 5	-61.93	4489.96	0.014
L42	4.5 - 0 (42)	TP56x54.9195x0.4375	4.50	0.00	0.0	78.273 7	-63.78	4579.01	0.014

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M _{uy} kip-ft	φM _{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	160 - 155 (1)	TP20.801x19.6x0.25	12.10	508.14	0.024	0.00	508.14	0.000
L2	155 - 150 (2)	TP22.0021x20.801x0.25	36.58	559.87	0.065	0.00	559.87	0.000
L3	150 - 145 (3)	TP23.2031x22.0021x0.25	85.05	612.89	0.139	0.00	612.89	0.000
L4	145 - 140 (4)	TP24.4041x23.2031x0.25	135.60	667.00	0.203	0.00	667.00	0.000
L5	140 - 135 (5)	TP25.6051x24.4041x0.25	224.52	722.04	0.311	0.00	722.04	0.000
L6	135 - 130 (6)	TP26.8062x25.6051x0.25	310.52	777.82	0.399	0.00	777.82	0.000
L7	130 - 125 (7)	TP28.0072x26.8062x0.25	409.26	834.16	0.491	0.00	834.16	0.000
L8	125 - 120 (8)	TP29.2082x28.0072x0.25	512.70	890.88	0.576	0.00	890.88	0.000
L9	120 - 111.333 (9)	TP31.29x29.2082x0.25	596.91	936.40	0.637	0.00	936.40	0.000
L10	111.333 - 111 (10)	TP30.867x29.669x0.3438	722.72	1506.34	0.480	0.00	1506.34	0.000
L11	111 - 106 (11)	TP32.065x30.867x0.3438	847.60	1606.85	0.527	0.00	1606.85	0.000
L12	106 - 101 (12)	TP33.2631x32.065x0.343 8	974.50	1708.83	0.570	0.00	1708.83	0.000
L13	101 - 96 (13)	TP34.4611x33.2631x0.34 38	1103.44	1812.13	0.609	0.00	1812.13	0.000
L14	96 - 91 (14)	TP35.6591x34.4611x0.34 38	1234.40	1916.55	0.644	0.00	1916.55	0.000
L15	91 - 86 (15)	TP36.8571x35.6591x0.34 38	1367.38	2021.91	0.676	0.00	2021.91	0.000
L16	86 - 85.75 (16)	TP36.917x36.8571x0.512 5	1374.08	3264.29	0.421	0.00	3264.29	0.000
L17	85.75 - 81 (17)	TP38.0551x36.917x0.506 3	1502.69	3432.41	0.438	0.00	3432.41	0.000
L18	81 - 80.75 (18)	TP38.115x38.0551x0.343 8	1509.53	2133.36	0.708	0.00	2133.36	0.000
L19	80.75 - 80.5 (19)	TP38.1749x38.115x0.343 8	1516.36	2138.68	0.709	0.00	2138.68	0.000
L20	80.5 - 73.25 (20)	TP39.912x38.1749x0.343 8	1557.45	2170.66	0.718	0.00	2170.66	0.000
L21	73.25 - 72.25 (21)	TP39.467x37.8468x0.406 3	1745.27	2839.37	0.615	0.00	2839.37	0.000
L22	72.25 - 67.25 (22)	TP40.6671x39.467x0.406 3	1887.11	2983.96	0.632	0.00	2983.96	0.000
L23	67.25 - 62.25 (23)	TP41.8673x40.6671x0.40 63	2030.98	3129.88	0.649	0.00	3129.88	0.000
L24	62.25 - 57.25 (24)	TP43.0674x41.8673x0.40 63	2176.86	3276.97	0.664	0.00	3276.97	0.000
L25	57.25 - 52.25 (25)	TP44.2675x43.0674x0.40 63	2324.72	3425.04	0.679	0.00	3425.04	0.000
L26	52.25 - 49.83 (26)	TP44.8484x44.2675x0.40 63	2396.99	3497.01	0.685	0.00	3497.01	0.000
L27	49.83 - 49.58 (27)	TP44.9084x44.8484x0.40 63	2404.48	3504.46	0.686	0.00	3504.46	0.000
L28	49.58 - 44.58 (28)	TP46.1086x44.9084x0.40 63	2555.36	3653.68	0.699	0.00	3653.68	0.000
L29	44.58 - 36.3333 (29)	TP48.088x46.1086x0.406 3	2603.44	3700.96	0.703	0.00	3700.96	0.000

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 $\frac{M_{uy}}{\phi M_{ny}}$
L30	36.3333 - 35.3333 (30)	TP47.5161x45.6753x0.4375	2840.07	4255.33	0.667	0.00	4255.33	0.000
L31	35.3333 - 32.25 (31)	TP48.2565x47.5161x0.4375	2936.77	4361.67	0.673	0.00	4361.67	0.000
L32	32.25 - 32 (32)	TP48.3165x48.2565x0.4375	2944.63	4370.30	0.674	0.00	4370.30	0.000
L33	32 - 27 (33)	TP49.5171x48.3165x0.4375	3102.88	4543.38	0.683	0.00	4543.38	0.000
L34	27 - 22 (34)	TP50.7176x49.5171x0.4375	3262.78	4717.04	0.692	0.00	4717.04	0.000
L35	22 - 17 (35)	TP51.9181x50.7176x0.4375	3424.32	4891.11	0.700	0.00	4891.11	0.000
L36	17 - 15.5 (36)	TP52.2783x51.9181x0.4375	3473.10	4943.38	0.703	0.00	4943.38	0.000
L37	15.5 - 15.25 (37)	TP52.3383x52.2783x0.4375	3481.24	4952.09	0.703	0.00	4952.09	0.000
L38	15.25 - 14.75 (38)	TP52.4584x52.3383x0.4375	3497.55	4969.52	0.704	0.00	4969.52	0.000
L39	14.75 - 14.5 (39)	TP52.5184x52.4584x0.4375	3505.71	4978.23	0.704	0.00	4978.23	0.000
L40	14.5 - 9.5 (40)	TP53.719x52.5184x0.4375	3669.74	5152.57	0.712	0.00	5152.57	0.000
L41	9.5 - 4.5 (41)	TP54.9195x53.719x0.4375	3835.44	5326.86	0.720	0.00	5326.86	0.000
L42	4.5 - 0 (42)	TP56x54.9195x0.4375	3986.01	5483.53	0.727	0.00	5483.53	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	160 - 155 (1)	TP20.801x19.6x0.25	4.71	286.95	0.016	0.00	524.86	0.000
L2	155 - 150 (2)	TP22.0021x20.801x0.25	5.08	303.91	0.017	0.00	588.00	0.000
L3	150 - 145 (3)	TP23.2031x22.0021x0.25	9.92	324.27	0.031	0.00	654.72	0.000
L4	145 - 140 (4)	TP24.4041x23.2031x0.25	10.31	341.24	0.030	0.00	725.03	0.000
L5	140 - 135 (5)	TP25.6051x24.4041x0.25	17.01	358.21	0.047	0.25	798.92	0.000
L6	135 - 130 (6)	TP26.8062x25.6051x0.25	17.40	375.18	0.046	0.25	876.40	0.000
L7	130 - 125 (7)	TP28.0072x26.8062x0.25	20.50	392.15	0.052	0.38	957.47	0.000
L8	125 - 120 (8)	TP29.2082x28.0072x0.25	20.91	409.11	0.051	0.49	1042.12	0.000
L9	120 - 111.333 (9)	TP31.29x29.2082x0.25	21.22	422.69	0.050	0.49	1112.42	0.000
L10	111.333 - 111 (10)	TP30.867x29.669x0.3438	24.78	592.93	0.042	0.49	1591.98	0.000
L11	111 - 106 (11)	TP32.065x30.867x0.3438	25.19	616.21	0.041	0.49	1719.40	0.000
L12	106 - 101 (12)	TP33.2631x32.065x0.3438	25.60	639.48	0.040	0.49	1851.72	0.000
L13	101 - 96 (13)	TP34.4611x33.2631x0.3438	26.00	662.75	0.039	0.49	1988.96	0.000
L14	96 - 91 (14)	TP35.6591x34.4611x0.3438	26.41	686.02	0.038	0.49	2131.09	0.000
L15	91 - 86 (15)	TP36.8571x35.6591x0.3438	26.82	709.29	0.038	0.49	2278.13	0.000
L16	86 - 85.75 (16)	TP36.917x36.8571x0.5125	26.83	1054.34	0.025	0.49	3376.27	0.000
L17	85.75 - 81 (17)	TP38.0551x36.917x0.5063	27.31	1074.22	0.025	0.55	3548.06	0.000
L18	81 - 80.75 (18)	TP38.115x38.0551x0.3438	27.32	733.73	0.037	0.55	2437.80	0.000
L19	80.75 - 80.5 (19)	TP38.1749x38.115x0.3438	27.34	734.89	0.037	0.55	2445.54	0.000
L20	80.5 - 73.25 (20)	TP39.912x38.1749x0.3438	27.48	741.88	0.037	0.55	2492.22	0.000
L21	73.25 - 72.25 (21)	TP39.467x37.8468x0.4063	28.18	896.74	0.031	0.55	3081.11	0.000
L22	72.25 - 67.25	TP40.6671x39.467x0.406	28.59	924.29	0.031	0.55	3273.35	0.000

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 $\frac{T_u}{\phi T_n}$
	(22)	3						
L23	67.25 - 62.25	TP41.8673x40.6671x0.40	28.99	951.85	0.030	0.55	3471.41	0.000
	(23)	63						
L24	62.25 - 57.25	TP43.0674x41.8673x0.40	29.39	979.40	0.030	0.55	3675.29	0.000
	(24)	63						
L25	57.25 - 52.25	TP44.2675x43.0674x0.40	29.78	1006.95	0.030	0.55	3884.98	0.000
	(25)	63						
L26	52.25 - 49.83	TP44.8484x44.2675x0.40	29.98	1020.29	0.029	0.55	3988.57	0.000
	(26)	63						
L27	49.83 - 49.58	TP44.9084x44.8484x0.40	29.99	1021.66	0.029	0.55	3999.34	0.000
	(27)	63						
L28	49.58 - 44.58	TP46.1086x44.9084x0.40	30.39	1049.22	0.029	0.55	4217.96	0.000
	(28)	63						
L29	44.58 - 36.3333 (29)	TP48.088x46.1086x0.406	30.51	1057.92	0.029	0.55	4288.25	0.000
		3						
L30	36.3333 - 35.3333 (30)	TP47.5161x45.6753x0.43	31.28	1163.95	0.027	0.60	4820.13	0.000
		75						
L31	35.3333 - 32.25 (31)	TP48.2565x47.5161x0.43	31.49	1182.26	0.027	0.60	4972.92	0.000
		75						
L32	32.25 - 32 (32)	TP48.3165x48.2565x0.43	31.49	1183.74	0.027	0.60	4985.42	0.000
		75						
L33	32 - 27 (33)	TP49.5171x48.3165x0.43	31.83	1213.42	0.026	0.60	5238.56	0.000
		75						
L34	27 - 22 (34)	TP50.7176x49.5171x0.43	32.16	1243.10	0.026	0.60	5497.98	0.000
		75						
L35	22 - 17 (35)	TP51.9181x50.7176x0.43	32.49	1272.78	0.026	0.60	5763.67	0.000
		75						
L36	17 - 15.5 (36)	TP52.2783x51.9181x0.43	32.60	1281.69	0.025	0.60	5844.59	0.000
		75						
L37	15.5 - 15.25 (37)	TP52.3383x52.2783x0.43	32.60	1283.17	0.025	0.60	5858.14	0.000
		75						
L38	15.25 - 14.75 (38)	TP52.4584x52.3383x0.43	32.63	1286.14	0.025	0.60	5885.27	0.000
		75						
L39	14.75 - 14.5 (39)	TP52.5184x52.4584x0.43	32.65	1287.63	0.025	0.60	5898.86	0.000
		75						
L40	14.5 - 9.5 (40)	TP53.719x52.5184x0.437	32.99	1317.31	0.025	0.60	6173.95	0.000
		5						
L41	9.5 - 4.5 (41)	TP54.9195x53.719x0.437	33.33	1346.99	0.025	0.60	6455.31	0.000
		5						
L42	4.5 - 0 (42)	TP56x54.9195x0.4375	33.63	1373.70	0.024	0.60	6713.89	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	160 - 155 (1)	0.004	0.024	0.000	0.016	0.000	0.028	1.050	4.8.2
L2	155 - 150 (2)	0.004	0.065	0.000	0.017	0.000	0.070	1.050	4.8.2
L3	150 - 145 (3)	0.008	0.139	0.000	0.031	0.000	0.147	1.050	4.8.2
L4	145 - 140 (4)	0.008	0.203	0.000	0.030	0.000	0.212	1.050	4.8.2
L5	140 - 135 (5)	0.011	0.311	0.000	0.047	0.000	0.324	1.050	4.8.2
L6	135 - 130 (6)	0.011	0.399	0.000	0.046	0.000	0.412	1.050	4.8.2
L7	130 - 125 (7)	0.013	0.491	0.000	0.052	0.000	0.507	1.050	4.8.2
L8	125 - 120 (8)	0.013	0.576	0.000	0.051	0.000	0.591	1.050	4.8.2
L9	120 - 111.333 (9)	0.013	0.637	0.000	0.050	0.000	0.653	1.050	4.8.2
L10	111.333 - 111 (10)	0.012	0.480	0.000	0.042	0.000	0.494	1.050	4.8.2
L11	111 - 106 (11)	0.012	0.527	0.000	0.041	0.000	0.541	1.050	4.8.2
L12	106 - 101 (12)	0.012	0.570	0.000	0.040	0.000	0.584	1.050	4.8.2
L13	101 - 96 (13)	0.012	0.609	0.000	0.039	0.000	0.623	1.050	4.8.2
L14	96 - 91 (14)	0.012	0.644	0.000	0.038	0.000	0.658	1.050	4.8.2
L15	91 - 86 (15)	0.012	0.676	0.000	0.038	0.000	0.690	1.050	4.8.2

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
L16	86 - 85.75 (16)	0.008	0.421	0.000	0.025	0.000	0.430	1.050	4.8.2
L17	85.75 - 81 (17)	0.009	0.438	0.000	0.025	0.000	0.447	1.050	4.8.2
L18	81 - 80.75 (18)	0.013	0.708	0.000	0.037	0.000	0.722	1.050	4.8.2
L19	80.75 - 80.5 (19)	0.013	0.709	0.000	0.037	0.000	0.723	1.050	4.8.2
L20	80.5 - 73.25 (20)	0.013	0.718	0.000	0.037	0.000	0.732	1.050	4.8.2
L21	73.25 - 72.25 (21)	0.011	0.615	0.000	0.031	0.000	0.627	1.050	4.8.2
L22	72.25 - 67.25 (22)	0.012	0.632	0.000	0.031	0.000	0.645	1.050	4.8.2
L23	67.25 - 62.25 (23)	0.012	0.649	0.000	0.030	0.000	0.662	1.050	4.8.2
L24	62.25 - 57.25 (24)	0.012	0.664	0.000	0.030	0.000	0.677	1.050	4.8.2
L25	57.25 - 52.25 (25)	0.012	0.679	0.000	0.030	0.000	0.692	1.050	4.8.2
L26	52.25 - 49.83 (26)	0.012	0.685	0.000	0.029	0.000	0.698	1.050	4.8.2
L27	49.83 - 49.58 (27)	0.012	0.686	0.000	0.029	0.000	0.699	1.050	4.8.2
L28	49.58 - 44.58 (28)	0.012	0.699	0.000	0.029	0.000	0.713	1.050	4.8.2
L29	44.58 - 36.3333 (29)	0.012	0.703	0.000	0.029	0.000	0.717	1.050	4.8.2
L30	36.3333 - 35.3333 (30)	0.013	0.667	0.000	0.027	0.000	0.681	1.050	4.8.2
L31	35.3333 - 32.25 (31)	0.013	0.673	0.000	0.027	0.000	0.687	1.050	4.8.2
L32	32.25 - 32 (32)	0.013	0.674	0.000	0.027	0.000	0.687	1.050	4.8.2
L33	32 - 27 (33)	0.013	0.683	0.000	0.026	0.000	0.697	1.050	4.8.2
L34	27 - 22 (34)	0.013	0.692	0.000	0.026	0.000	0.705	1.050	4.8.2
L35	22 - 17 (35)	0.013	0.700	0.000	0.026	0.000	0.714	1.050	4.8.2
L36	17 - 15.5 (36)	0.013	0.703	0.000	0.025	0.000	0.717	1.050	4.8.2
L37	15.5 - 15.25 (37)	0.013	0.703	0.000	0.025	0.000	0.717	1.050	4.8.2
L38	15.25 - 14.75 (38)	0.013	0.704	0.000	0.025	0.000	0.718	1.050	4.8.2
L39	14.75 - 14.5 (39)	0.013	0.704	0.000	0.025	0.000	0.718	1.050	4.8.2
L40	14.5 - 9.5 (40)	0.014	0.712	0.000	0.025	0.000	0.726	1.050	4.8.2
L41	9.5 - 4.5 (41)	0.014	0.720	0.000	0.025	0.000	0.734	1.050	4.8.2
L42	4.5 - 0 (42)	0.014	0.727	0.000	0.024	0.000	0.741	1.050	4.8.2

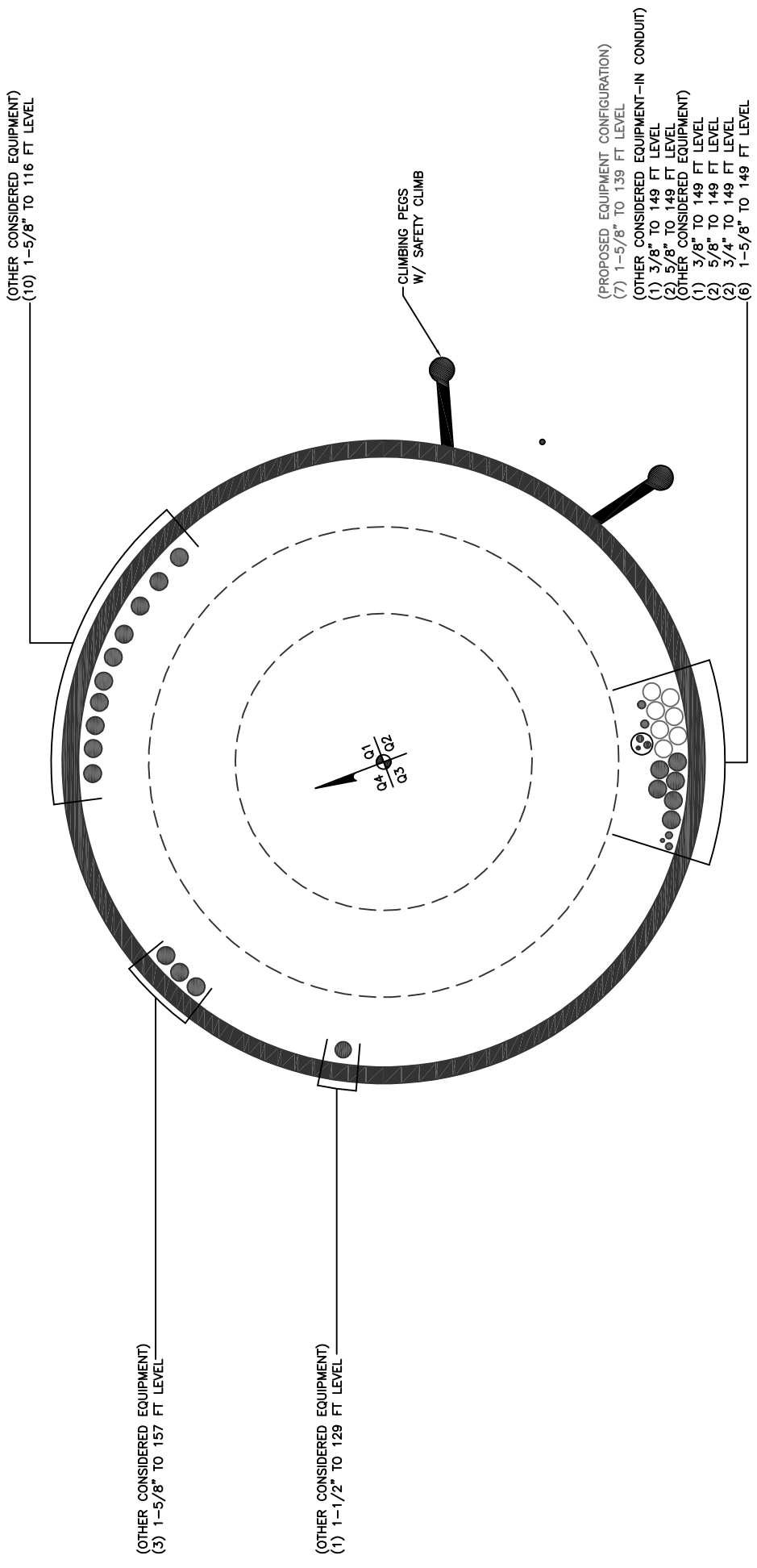
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	160 - 155	Pole	TP20.801x19.6x0.25	1	-3.90	1016.19	2.7	Pass
L2	155 - 150	Pole	TP22.0021x20.801x0.25	2	-4.26	1075.58	6.6	Pass
L3	150 - 145	Pole	TP23.2031x22.0021x0.25	3	-8.14	1134.97	14.0	Pass
L4	145 - 140	Pole	TP24.4041x23.2031x0.25	4	-8.60	1194.35	20.2	Pass
L5	140 - 135	Pole	TP25.6051x24.4041x0.25	5	-13.13	1253.74	30.9	Pass
L6	135 - 130	Pole	TP26.8062x25.6051x0.25	6	-13.73	1313.13	39.3	Pass
L7	130 - 125	Pole	TP28.0072x26.8062x0.25	7	-17.37	1372.52	48.3	Pass
L8	125 - 120	Pole	TP29.2082x28.0072x0.25	8	-18.06	1431.90	56.3	Pass
L9	120 - 111.333	Pole	TP31.29x29.2082x0.25	9	-18.68	1479.41	62.2	Pass
L10	111.333 - 111	Pole	TP30.867x29.669x0.3438	10	-23.88	2075.27	47.0	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L11	111 - 106	Pole	TP32.065x30.867x0.3438	11	-24.90	2156.72	51.6	Pass
L12	106 - 101	Pole	TP33.2631x32.065x0.3438	12	-25.96	2238.18	55.6	Pass
L13	101 - 96	Pole	TP34.4611x33.2631x0.3438	13	-27.06	2319.63	59.3	Pass
L14	96 - 91	Pole	TP35.6591x34.4611x0.3438	14	-28.19	2401.08	62.7	Pass
L15	91 - 86	Pole	TP36.8571x35.6591x0.3438	15	-29.35	2482.54	65.7	Pass
L16	86 - 85.75	Pole	TP36.917x36.8571x0.5125	16	-29.44	2690.20	41.0	Pass
L17	85.75 - 81	Pole	TP38.0551x36.917x0.5063	17	-30.93	3759.78	42.6	Pass
L18	81 - 80.75	Pole	TP38.115x38.0551x0.3438	18	-31.01	2568.06	68.7	Pass
L19	80.75 - 80.5	Pole	TP38.1749x38.115x0.3438	19	-31.07	2572.13	68.9	Pass
L20	80.5 - 73.25	Pole	TP39.912x38.1749x0.3438	20	-31.45	2596.57	69.7	Pass
L21	73.25 - 72.25	Pole	TP39.467x37.8468x0.4063	21	-34.35	3138.59	59.7	Pass
L22	72.25 - 67.25	Pole	TP40.6671x39.467x0.4063	22	-35.76	3235.03	61.4	Pass
L23	67.25 - 62.25	Pole	TP41.8673x40.6671x0.4063	23	-37.20	3331.46	63.0	Pass
L24	62.25 - 57.25	Pole	TP43.0674x41.8673x0.4063	24	-38.67	3427.89	64.5	Pass
L25	57.25 - 52.25	Pole	TP44.2675x43.0674x0.4063	25	-40.19	3524.32	65.9	Pass
L26	52.25 - 49.83	Pole	TP44.8484x44.2675x0.4063	26	-41.11	3571.00	66.5	Pass
L27	49.83 - 49.58	Pole	TP44.9084x44.8484x0.4063	27	-41.22	3575.82	66.6	Pass
L28	49.58 - 44.58	Pole	TP46.1086x44.9084x0.4063	28	-43.14	3672.25	67.9	Pass
L29	44.58 - 36.3333	Pole	TP48.088x46.1086x0.4063	29	-43.75	3702.73	68.3	Pass
L30	36.3333 - 35.3333	Pole	TP47.5161x45.6753x0.4375	30	-48.57	4073.83	64.8	Pass
L31	35.3333 - 32.25	Pole	TP48.2565x47.5161x0.4375	31	-49.85	4137.89	65.4	Pass
L32	32.25 - 32	Pole	TP48.3165x48.2565x0.4375	32	-49.97	4143.09	65.4	Pass
L33	32 - 27	Pole	TP49.5171x48.3165x0.4375	33	-52.08	4246.98	66.3	Pass
L34	27 - 22	Pole	TP50.7176x49.5171x0.4375	34	-54.23	4350.86	67.2	Pass
L35	22 - 17	Pole	TP51.9181x50.7176x0.4375	35	-56.42	4454.75	68.0	Pass
L36	17 - 15.5	Pole	TP52.2783x51.9181x0.4375	36	-57.13	4485.91	68.2	Pass
L37	15.5 - 15.25	Pole	TP52.3383x52.2783x0.4375	37	-57.26	4491.11	68.3	Pass
L38	15.25 - 14.75	Pole	TP52.4584x52.3383x0.4375	38	-57.50	4501.50	68.4	Pass
L39	14.75 - 14.5	Pole	TP52.5184x52.4584x0.4375	39	-57.62	4506.69	68.4	Pass
L40	14.5 - 9.5	Pole	TP53.719x52.5184x0.4375	40	-59.84	4610.58	69.2	Pass
L41	9.5 - 4.5	Pole	TP54.9195x53.719x0.4375	41	-61.93	4714.46	69.9	Pass
L42	4.5 - 0	Pole	TP56x54.9195x0.4375	42	-63.78	4807.96	70.6	Pass
							Summary	
							Pole (L42)	70.6
							RATING =	70.6
								Pass

*Note: Above stress ratio for reinforced sections are approximate. More exact calculations are presented in Appendix C.

APPENDIX B
BASE LEVEL DRAWING



APPENDIX C

ADDITIONAL CALCULATIONS

Site BU: 806953
Work Order: 2199463

Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	160	48.6667	4.6667	12	19.6	31.29	0.25	Auto	A572-65
2	116	42.75	5.75	12	29.67	39.912	0.34375	Auto	A572-65
3	79	42.6667	6.6667	12	37.85	48.088	0.40625	Auto	A572-65
4	43	43	0	12	45.68	56	0.4375	Auto	A572-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12
1	0	15.5	plate	MK SR 1													
2	78.25	80.75	plate	MK SR 2													
3	14.75	32.25	plate	CCI-AFP-060100													
4	32.25	49.83	plate	CCI-AFP-060100													
5	81	86	plate	CCI-AFP-060100	3		E				E				E		
6																	
7																	
8																	
9																	
10																	

Reinforcement Details

	B (in)	H (in)	Gross Area (in ²)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in ²)	Bolt Hole Size (in)	Reinforcement Material
1	4	0.75	3	0.375	PC 8.8 - M20 (100)	15	PC 8.8 - M20 (100)	15.000	15.000	2.063	1.1875	A572-65
2	4	0.75	3	0.375	PC 8.8 - M20 (100)	15	PC 8.8 - M20 (100)	15.000	15.000	2.069	1.1788	A572-65
3	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
4	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65
5	6	1	6	0.5	PC 8.8 - M20 (100)	30	PC 8.8 - M20 (100)	30.000	16.000	4.750	1.1875	A572-65

Connection Details for Custom Reinforcements

Reinforcement	End	# Bolts	N or X	Bolt Spacing (in)	Edge Dist (in)	Weld Grade (ksi)	Transverse (Horiz.) Weld Type	Horiz. Weld Length (in)	Horiz. Groove Depth (in)	Horiz. Groove Angle (deg)	Horiz. Fillet Size (in)	Vertical Weld Length (in)	Vertical Fillet Size (in)	Rev H Connection Capacity (kip)
MK SR 1	Top	5	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	5	N	3	3	-	-	-	-	-	-	-	-	-
MK SR 2	Top	5	N	3	3	-	-	-	-	-	-	-	-	-
	Bottom	5	N	3	3	-	-	-	-	-	-	-	-	-

TNX Geometry Input

Increment (ft): [Export to TNX](#)

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	160 - 155	5		12	19.600	20.801	0.25	A572-65	1.000
2	155 - 150	5		12	20.801	22.002	0.25	A572-65	1.000
3	150 - 145	5		12	22.002	23.203	0.25	A572-65	1.000
4	145 - 140	5		12	23.203	24.404	0.25	A572-65	1.000
5	140 - 135	5		12	24.404	25.605	0.25	A572-65	1.000
6	135 - 130	5		12	25.605	26.806	0.25	A572-65	1.000
7	130 - 125	5		12	26.806	28.007	0.25	A572-65	1.000
8	125 - 120	5		12	28.007	29.208	0.25	A572-65	1.000
9	120 - 116	8.6667	4.6667	12	29.208	31.290	0.25	A572-65	1.000
10	116 - 111	5		12	29.669	30.867	0.34375	A572-65	1.000
11	111 - 106	5		12	30.867	32.065	0.34375	A572-65	1.000
12	106 - 101	5		12	32.065	33.263	0.34375	A572-65	1.000
13	101 - 96	5		12	33.263	34.461	0.34375	A572-65	1.000
14	96 - 91	5		12	34.461	35.659	0.34375	A572-65	1.000
15	91 - 86	5		12	35.659	36.857	0.34375	A572-65	1.000
16	86 - 85.75	0.25		12	36.857	36.917	0.5125	A572-65	0.974
17	85.75 - 81	4.75		12	36.917	38.055	0.50625	A572-65	0.976
18	81 - 80.75	0.25		12	38.055	38.115	0.34375	A572-65	1.000
19	80.75 - 80.5	0.25		12	38.115	38.175	0.34375	A572-65	1.000
20	80.5 - 79	7.25	5.75	12	38.175	39.912	0.34375	A572-65	1.000
21	79 - 72.25	6.75		12	37.847	39.467	0.40625	A572-65	1.000
22	72.25 - 67.25	5		12	39.467	40.667	0.40625	A572-65	1.000
23	67.25 - 62.25	5		12	40.667	41.867	0.40625	A572-65	1.000
24	62.25 - 57.25	5		12	41.867	43.067	0.40625	A572-65	1.000
25	57.25 - 52.25	5		12	43.067	44.268	0.40625	A572-65	1.000
26	52.25 - 49.83	2.42		12	44.268	44.848	0.40625	A572-65	1.000
27	49.83 - 49.58	0.25		12	44.848	44.908	0.40625	A572-65	1.000
28	49.58 - 44.58	5		12	44.908	46.109	0.40625	A572-65	1.000
29	44.58 - 43	8.2467	6.6667	12	46.109	48.088	0.40625	A572-65	1.000
30	43 - 35.3333	7.6667		12	45.675	47.516	0.4375	A572-65	1.000
31	35.3333 - 32.25	3.0833		12	47.516	48.256	0.4375	A572-65	1.000
32	32.25 - 32	0.25		12	48.256	48.317	0.4375	A572-65	1.000
33	32 - 27	5		12	48.317	49.517	0.4375	A572-65	1.000
34	27 - 22	5		12	49.517	50.718	0.4375	A572-65	1.000
35	22 - 17	5		12	50.718	51.918	0.4375	A572-65	1.000
36	17 - 15.5	1.5		12	51.918	52.278	0.4375	A572-65	1.000
37	15.5 - 15.25	0.25		12	52.278	52.338	0.4375	A572-65	1.000
38	15.25 - 14.75	0.5		12	52.338	52.458	0.4375	A572-65	1.000
39	14.75 - 14.5	0.25		12	52.458	52.518	0.4375	A572-65	1.000
40	14.5 - 9.5	5		12	52.518	53.719	0.4375	A572-65	1.000
41	9.5 - 4.5	5		12	53.719	54.920	0.4375	A572-65	1.000
42	4.5 - 0	4.5		12	54.920	56.000	0.4375	A572-65	1.000

TNX Section Forces

Increment (ft):		TNX Output		
	5		M_{ux} (kip-ft)	
	Section Height (ft)	P_u (K)		V_u (K)
1	160 - 155	3.90	12.10	4.71
2	155 - 150	4.26	36.58	5.08
3	150 - 145	8.14	85.05	9.92
4	145 - 140	8.60	135.60	10.31
5	140 - 135	13.13	224.52	17.01
6	135 - 130	13.73	310.52	17.40
7	130 - 125	17.37	409.26	20.50
8	125 - 120	18.06	512.70	20.91
9	120 - 116	18.68	596.91	21.22
10	116 - 111	23.88	722.72	24.78
11	111 - 106	24.90	847.60	25.19
12	106 - 101	25.96	974.50	25.60
13	101 - 96	27.06	1103.44	26.00
14	96 - 91	28.19	1234.40	26.41
15	91 - 86	29.35	1367.38	26.82
16	86 - 85.75	29.44	1374.08	26.83
17	85.75 - 81	30.93	1502.69	27.31
18	81 - 80.75	31.01	1509.52	27.32
19	80.75 - 80.5	31.07	1516.35	27.34
20	80.5 - 79	31.45	1557.45	27.48
21	79 - 72.25	34.35	1745.26	28.18
22	72.25 - 67.25	35.76	1887.11	28.59
23	67.25 - 62.25	37.20	2030.98	28.99
24	62.25 - 57.25	38.67	2176.86	29.39
25	57.25 - 52.25	40.19	2324.72	29.78
26	52.25 - 49.83	41.11	2396.99	29.98
27	49.83 - 49.58	41.22	2404.48	29.99
28	49.58 - 44.58	43.14	2555.36	30.39
29	44.58 - 43	43.75	2603.44	30.51
30	43 - 35.3333	48.57	2840.06	31.28
31	35.3333 - 32.25	49.85	2936.76	31.49
32	32.25 - 32	49.97	2944.63	31.49
33	32 - 27	52.08	3102.88	31.83
34	27 - 22	54.23	3262.77	32.16
35	22 - 17	56.42	3424.31	32.49
36	17 - 15.5	57.13	3473.10	32.60
37	15.5 - 15.25	57.26	3481.25	32.60
38	15.25 - 14.75	57.50	3497.55	32.63
39	14.75 - 14.5	57.62	3505.71	32.65
40	14.5 - 9.5	59.84	3669.74	32.99
41	9.5 - 4.5	61.93	3835.45	33.33
42	4.5 - 0	63.78	3986.01	33.63

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
160 - 155	Pole	TP20.801x19.6x0.25	Pole	2.7%	Pass
155 - 150	Pole	TP22.002x20.801x0.25	Pole	6.6%	Pass
150 - 145	Pole	TP23.203x22.002x0.25	Pole	14.0%	Pass
145 - 140	Pole	TP24.404x23.203x0.25	Pole	20.1%	Pass
140 - 135	Pole	TP25.605x24.404x0.25	Pole	30.8%	Pass
135 - 130	Pole	TP26.806x25.605x0.25	Pole	39.2%	Pass
130 - 125	Pole	TP28.007x26.806x0.25	Pole	48.1%	Pass
125 - 120	Pole	TP29.208x28.007x0.25	Pole	56.2%	Pass
120 - 116	Pole	TP31.29x29.208x0.25	Pole	62.1%	Pass
116 - 111	Pole	TP30.867x29.669x0.3438	Pole	46.9%	Pass
111 - 106	Pole	TP32.065x30.867x0.3438	Pole	51.4%	Pass
106 - 101	Pole	TP33.263x32.065x0.3438	Pole	55.5%	Pass
101 - 96	Pole	TP34.461x33.263x0.3438	Pole	59.1%	Pass
96 - 91	Pole	TP35.659x34.461x0.3438	Pole	62.5%	Pass
91 - 86	Pole	TP36.857x35.659x0.3438	Pole	65.6%	Pass
86 - 85.75	Pole + Reinf.	TP36.917x36.857x0.5125	Reinf. 5 Tension Rupture	62.5%	Pass
85.75 - 81	Pole + Reinf.	TP38.055x36.917x0.5063	Reinf. 5 Tension Rupture	64.8%	Pass
81 - 80.75	Pole	TP38.115x38.055x0.3438	Pole	68.5%	Pass
80.75 - 80.5	Pole	TP38.175x38.115x0.3438	Pole	68.7%	Pass
80.5 - 79	Pole	TP39.912x38.175x0.3438	Pole	69.5%	Pass
79 - 72.25	Pole	TP39.467x37.847x0.4063	Pole	59.6%	Pass
72.25 - 67.25	Pole	TP40.667x39.467x0.4063	Pole	61.3%	Pass
67.25 - 62.25	Pole	TP41.867x40.667x0.4063	Pole	62.8%	Pass
62.25 - 57.25	Pole	TP43.067x41.867x0.4063	Pole	64.3%	Pass
57.25 - 52.25	Pole	TP44.268x43.067x0.4063	Pole	65.7%	Pass
52.25 - 49.83	Pole	TP44.848x44.268x0.4063	Pole	66.3%	Pass
49.83 - 49.58	Pole	TP44.908x44.848x0.4063	Pole	66.4%	Pass
49.58 - 44.58	Pole	TP46.109x44.908x0.4063	Pole	67.7%	Pass
44.58 - 43	Pole	TP48.088x46.109x0.4063	Pole	68.1%	Pass
43 - 35.33	Pole	TP47.516x45.675x0.4375	Pole	64.7%	Pass
35.33 - 32.25	Pole	TP48.256x47.516x0.4375	Pole	65.2%	Pass
32.25 - 32	Pole	TP48.317x48.256x0.4375	Pole	65.3%	Pass
32 - 27	Pole	TP49.517x48.317x0.4375	Pole	66.2%	Pass
27 - 22	Pole	TP50.718x49.517x0.4375	Pole	67.0%	Pass
22 - 17	Pole	TP51.918x50.718x0.4375	Pole	67.8%	Pass
17 - 15.5	Pole	TP52.278x51.918x0.4375	Pole	68.1%	Pass
15.5 - 15.25	Pole	TP52.338x52.278x0.4375	Pole	68.1%	Pass
15.25 - 14.75	Pole	TP52.458x52.338x0.4375	Pole	68.2%	Pass
14.75 - 14.5	Pole	TP52.518x52.458x0.4375	Pole	68.2%	Pass
14.5 - 9.5	Pole	TP53.719x52.518x0.4375	Pole	69.0%	Pass
9.5 - 4.5	Pole	TP54.92x53.719x0.4375	Pole	69.8%	Pass
4.5 - 0	Pole	TP56x54.92x0.4375	Pole	70.4%	Pass
				Summary	
			Pole	70.4%	Pass
			Reinforcement	64.8%	Pass
			Overall	70.4%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in ⁴)			Area (in ²)			% Capacity* (100% Max. Allowable)					
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5
160 - 155	893	n/a	893	16.52	n/a	16.52	2.7%					
155 - 150	1059	n/a	1059	17.49	n/a	17.49	6.6%					
150 - 145	1244	n/a	1244	18.45	n/a	18.45	14.0%					
145 - 140	1450	n/a	1450	19.42	n/a	19.42	20.1%					
140 - 135	1677	n/a	1677	20.38	n/a	20.38	30.8%					
135 - 130	1927	n/a	1927	21.35	n/a	21.35	39.2%					
130 - 125	2200	n/a	2200	22.31	n/a	22.31	48.1%					
125 - 120	2499	n/a	2499	23.28	n/a	23.28	56.2%					
120 - 116	2756	n/a	2756	24.05	n/a	24.05	62.1%					
116 - 111	4023	n/a	4023	33.74	n/a	33.74	46.9%					
111 - 106	4516	n/a	4516	35.06	n/a	35.06	51.4%					
106 - 101	5047	n/a	5047	36.39	n/a	36.39	55.5%					
101 - 96	5618	n/a	5618	37.71	n/a	37.71	59.1%					
96 - 91	6231	n/a	6231	39.03	n/a	39.03	62.5%					
91 - 86	6887	n/a	6887	40.36	n/a	40.36	65.6%					
86 - 85.75	6921	3263	10183	40.42	18.00	58.42	43.2%					62.5%
85.75 - 81	7587	3460	11047	41.68	18.00	59.68	45.5%					64.8%
81 - 80.75	7623	n/a	7623	41.75	n/a	41.75	68.5%					
80.75 - 80.5	7660	n/a	7660	41.81	n/a	41.81	68.7%					
80.5 - 79	7880	n/a	7880	42.21	n/a	42.21	69.5%					
79 - 72.25	9964	n/a	9964	51.02	n/a	51.02	59.6%					
72.25 - 67.25	10911	n/a	10911	52.59	n/a	52.59	61.3%					
67.25 - 62.25	11916	n/a	11916	54.16	n/a	54.16	62.8%					
62.25 - 57.25	12981	n/a	12981	55.73	n/a	55.73	64.3%					
57.25 - 52.25	14108	n/a	14108	57.29	n/a	57.29	65.7%					
52.25 - 49.83	14676	n/a	14676	58.05	n/a	58.05	66.3%					
49.83 - 49.58	14735	n/a	14735	58.13	n/a	58.13	66.4%					
49.58 - 44.58	15960	n/a	15960	59.70	n/a	59.70	67.7%					
44.58 - 43	16361	n/a	16361	60.19	n/a	60.19	68.1%					
43 - 35.33	18788	n/a	18788	66.23	n/a	66.23	64.7%					
35.33 - 32.25	19688	n/a	19688	67.27	n/a	67.27	65.2%					
32.25 - 32	19762	n/a	19762	67.35	n/a	67.35	65.3%					
32 - 27	21287	n/a	21287	69.04	n/a	69.04	66.2%					
27 - 22	22887	n/a	22887	70.73	n/a	70.73	67.0%					
22 - 17	24566	n/a	24566	72.42	n/a	72.42	67.8%					
17 - 15.5	25085	n/a	25085	72.93	n/a	72.93	68.1%					
15.5 - 15.25	25172	n/a	25172	73.01	n/a	73.01	68.1%					
15.25 - 14.75	25348	n/a	25348	73.18	n/a	73.18	68.2%					
14.75 - 14.5	25435	n/a	25435	73.26	n/a	73.26	68.2%					
14.5 - 9.5	27235	n/a	27235	74.95	n/a	74.95	69.0%					
9.5 - 4.5	29118	n/a	29118	76.64	n/a	76.64	69.8%					
4.5 - 0	30885	n/a	30885	78.16	n/a	78.16	70.4%					

Note: Section capacity checked using 5 degree increments.

*Rating per TIA-222-H Section 15.5.

Monopole Base Plate Connection

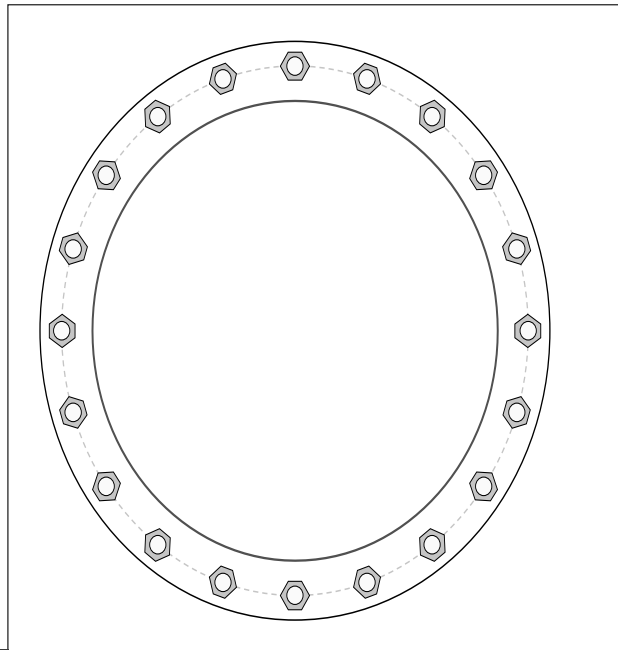


Site Info	
BU #	806953
Site Name	BRG 2044 (A) 943097
Order #	644295 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
I_{ar} (in)	1.0625

Applied Loads	
Moment (kip-ft)	3986.01
Axial Force (kips)	63.78
Shear Force (kips)	33.63

*TIA-222-H Section 15.5 Applied



Connection Properties

Anchor Rod Data

(20) 2-1/4" ϕ bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 64.48" BC

Base Plate Data

70.48" OD x 2.75" Plate (A633-60; Fy=60 ksi, Fu=80 ksi)

Stiffener Data

N/A

Pole Data

56" x 0.4375" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary

(units of kips, kip-in)

$Pu_t = 145.1$	$\phi Pn_t = 243.75$	Stress Rating
$Vu = 1.68$	$\phi Vn = 149.1$	56.7%
$Mu = n/a$	$\phi Mn = n/a$	Pass

Base Plate Summary

Max Stress (ksi):	23.33	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	41.1%	Pass

Pier and Pad Foundation



BU # : 806953
 Site Name: BRG 2044 (A) 9430
 App. Number: 644295 Rev. 0

TIA-222 Revision: H
 Tower Type: Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp} :	63.79	kips
Base Shear, V_u comp:	33.61	kips
Moment, M_u :	3986.02	ft-kips
Tower Height, H :	160	ft
BP Dist. Above Fdn, bp_{dist} :	6	in
Bolt Circle / Bearing Plate Width, BC :	64.48	in

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	195.69	33.61	16.4%	Pass
Bearing Pressure (ksf)	30.00	2.46	8.2%	Pass
Overturing (kip*ft)	6391.48	4170.88	65.3%	Pass
Pad Flexure (kip*ft)	8047.81	1931.39	22.9%	Pass
Pad Shear - 1-way (kips)	1630.75	224.35	13.1%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.190	0.002	1.2%	Pass
Flexural 2-way (Comp) (kip*ft)	6537.76	0.00	0.0%	Pass

*Rating per TIA-222-H Section 15.5

Structural Rating*:	22.9%
Soil Rating*:	65.3%

Pad Properties		
Depth, D :	3.5	ft
Pad Width, W_1 :	26	ft
Pad Thickness, T :	5	ft
Pad Rebar Size (Top dir. 2), Sp_{top2} :	8	
Pad Rebar Quantity (Top dir. 2), mp_{top2} :	18	
Pad Rebar Size (Bottom dir. 2), Sp_2 :	10	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	26	
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 :	130	pcf
Ultimate Gross Bearing, Q_{ult} :	40.000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	40	degrees
SPT Blow Count, N_{blows} :		
Base Friction, μ :	0.5	
Neglected Depth, N :	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	N/A	ft

--Toggle between Gross and Net

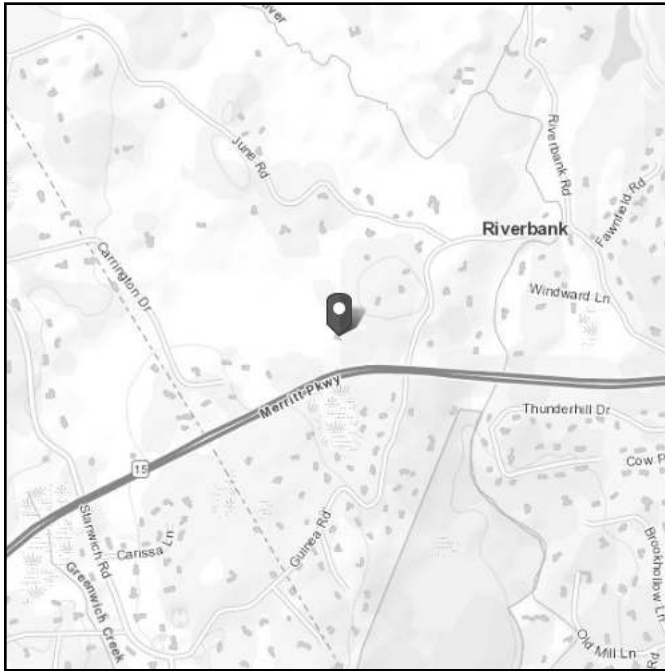
ASCE 7 Hazards Report

Address:

No Address at This Location

Standard:

ASCE/SEI 7-16

Risk Category: II**Soil Class:**D - Default (see
Section 11.4.3)**Latitude:** 41.10175**Longitude:** -73.594444**Elevation:** 246.84 ft (NAVD 88)

Wind

Results:

Wind Speed	116 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	97 Vmph

Data Source:

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

Date Accessed:

Mon Jan 30 2023

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

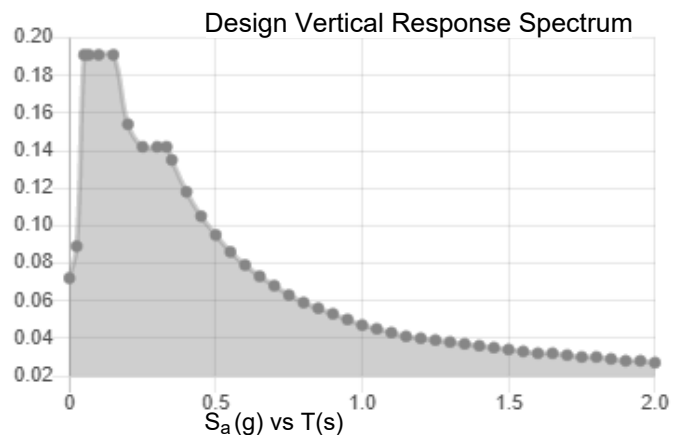
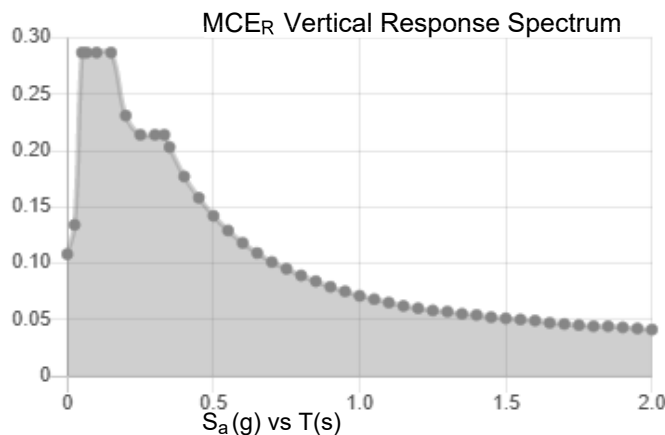
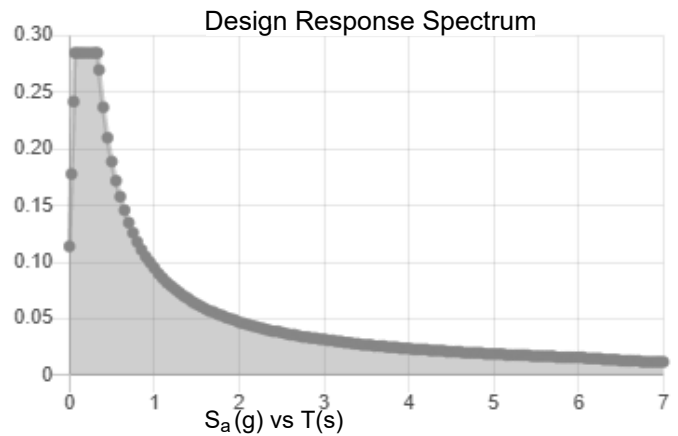
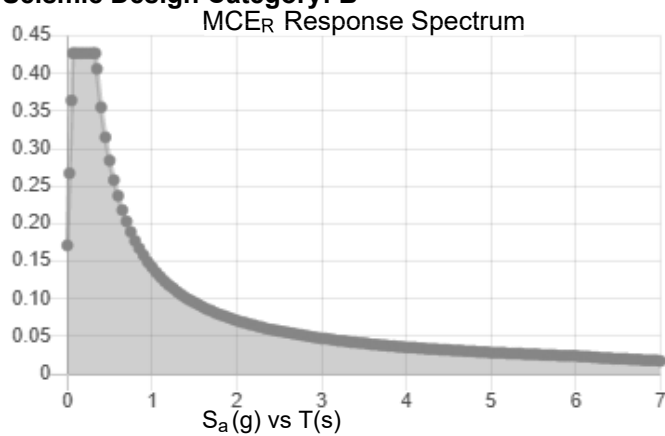
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class:

Results:

S_s :	0.27	S_{D1} :	0.095
S_1 :	0.059	T_L :	6
F_a :	1.584	PGA :	0.163
F_v :	2.4	PGA _M :	0.241
S_{MS} :	0.427	F_{PGA} :	1.473
S_{M1} :	0.142	I_e :	1
S_{DS} :	0.285	C_v :	0.839

Seismic Design Category: B



Data Accessed:

Mon Jan 30 2023

Date Source:

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

Results:

Ice Thickness: 1.00 in.
Concurrent Temperature: 15 F
Gust Speed 50 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Mon Jan 30 2023

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

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

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.

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Exhibit E

Mount Analysis

Date: **April 5, 2023**



POD Group
1033 E Turkeyfoot Lake Rd. Suite 206
Akron, OH 44312
(330) 961.7432
ngilkerson@podgrp.com

Subject: Mount Analysis - Conditional Passing Report

Carrier Designation: Verizon Wireless
Carrier Site Number: 5000386192
Carrier Site Name: Riverbank, CT
Job Number: 16092561

Crown Castle Designation: Crown Castle BU Number: 806953
Crown Castle Site Name: BRG 2044 (A) 943097
Crown Castle JDE Job Number: 740083
Crown Castle Order Number: 644295 Rev 0

Engineering Firm Designation: POD Report Designation: 23-153499

Site Data: 69 Guinea Rd (Camp Rocky Craig),
Stamford, Fairfield County, CT 06903
Latitude 41° 6' 6.30" Longitude -73° 35' 40.00"

Structure Information: Tower Height & Type: 160 ft Monopole
Mount Elevation: 142 ft
Mount Type: 13 ft Platform with Support Rails

POD Group is pleased to submit this "Mount Analysis - Conditional Passing Report" to determine the structural integrity of Verizon Wireless's antenna mounting system with the proposed appurtenance and equipment addition on the abovementioned supporting tower structure. Analysis of the existing supporting tower structure is to be completed by others and therefore is not part of this analysis. Analysis of the antenna mounting system as a tie-off point for fall protection or rigging is not part of this document.

The purpose of the analysis is to determine acceptability of the mount stress level. Based on our analysis we have determined the mount stress level to be:

13 ft Platform with Support Rails (Multiple Sector)

Sufficient*

***See Section 4.1 of this report for the loading and structural modifications required in order for the mount to support the loading listed in Table 1.**

This analysis has been performed in accordance with the 2022 Connecticut State Building Code based upon an ultimate 3-second gust wind speed of 116 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Mount structural analysis prepared by: Joseph Martin

4/5/23

Respectfully submitted by:



Jason Cheronis, PE
Connecticut PE#: 0032793

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1) INTRODUCTION

This is an existing 3-sector 13' platform with support rails.

The proposed modifications prepared by Maser, in July of 2022 have been considered in this analysis. Reinforcement consists of a kicker kit and replaced mount pipes.

2) ANALYSIS CRITERIA

Building Code:	2022 CSBC & 2021 IBC
TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	116 mph
Exposure Category:	B
Topographic Factor at Base:	1.000
Topographic Factor at Mount:	1.000
Ice Thickness:	1.0 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.270
Seismic S_1:	0.059
Live Loading Wind Speed:	30 mph
Man Live Load at Mid/End-Points:	250 lb
Man Live Load at Mount Pipes:	500 lb

Table 1 - Proposed Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details	Note
142	142	6	ANDREW	DB846F65ZAXY	13 ft Platform with Support Rails	1
		6	JMA WIRELESS	MX06FRO860-03		1, 2
		3	SAMSUNG TELECOMMUNICATIONS	MT6407-77A		1
		1	RAYCAP	RVZDC-6627-PF-48		
		6	RFS/CELWAVE	FD9R6004/2C-3L		
		3	SAMSUNG TELECOMMUNICATIONS	RF4439d-25A		
		3	SAMSUNG TELECOMMUNICATIONS	RF4440d-13A		

Notes:

- 1) Mount centerline based upon most recent photos of the mount on CCI
- 2) Equipment is dual mounted using dual mounting brackets

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Crown Application	-	Crown Castle App #: 644295 Rev 0 Dated: 01/25/2023	Crown Castle
RFDS	-	Verizon Wireless FUZE Project ID: 16092561 Dated: 04/15/2022	Crown Castle
Structural Analysis	-	Black & Veatch Report #: 406642 Dated: 01/30/2023	Crown Castle
Previous Mount Modification Analysis & Drawings	-	Maser Project #: 22777018A Dated: 07/28/2022	Crown Castle
Topo and Exposure Documentations	-	Crown Castle Site #: 806953 Dated: 09/01/2015	Crown Castle

3.1) Analysis Method

RISA-3D (Version 17.0.4), a commercially available analysis software package, was used to create a three-dimensional model of the antenna mounting system and calculate member stresses for various loading cases. Selected output from the analysis are included in the Appendices.

A tool internally developed, using Microsoft Excel, by POD Group, was used to calculate wind loading on all appurtenances, dishes, and mount members for various load cases. Selected output from the calculations is included in Appendix B.

This analysis was performed in accordance with Crown Castle's ENG-SOW-10208 Tower Mount Analysis (Revision E). In addition, this analysis is in accordance with Verizon's NSTD-445 Antenna Mounting System Classification Standard.

3.2) Assumptions

- 1) The antenna mounting system was properly fabricated, installed, and maintained in good condition in accordance with its original design, TIA Standards, and/or manufacturer's specifications. This is not a condition assessment of the mount, structure, or foundation.
- 2) The configuration of antennas, mounts, and other appurtenances are as specified in Table 1 and the referenced drawings.
- 3) 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.
- 4) The weight of the mount was increased 10% in the analysis to account for connections, coax, and jumpers.
- 5) The purpose of this report is to assess the feasibility of adding appurtenances usually accompanied by transmission lines to the structure. POD Group does not analyze the fabrication of the mount or structure (including welding).
- 6) Member sizes have been assumed from photos of the site and experience with similar mounting systems. If the sizes assumed in this report differ from the actual member sizes, POD Group shall be contacted immediately, and the results of the analysis shall be considered null and void.
- 7) The analysis will be required to be revised if the existing conditions in the field differ from those shown in the above-referenced documents or assumed in this analysis. No allowance was made for any damaged, missing, or rusted members.
- 8) Prior structural modifications to the tower mounting system are assumed to be installed as shown per Maser project # 22777018A.
- 9) Steel grades have been assumed as follows, unless noted otherwise:
 - a. Channel, Angle, Plate ASTM A36 (GR 36)
 - b. HSS (Rectangular) ASTM 500 (GR B-46)
 - c. Pipe ASTM A53 (GR 35)
 - d. Connection Bolts ASTM A325

If any of these assumptions are not valid or have been made in error, this analysis may be affected, and POD Group should be allowed to review any new information to determine its effect on the structural integrity of the mount.

4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity (13 ft Platform with Support Rails)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
1, 2	Face	FACE3	142	99.2	Pass
1	Plates	SO PLATE3		85.3	Pass
	Mount Pipe	MP BETA5		68.0	Pass
	Rail	RAIL2		62.2	Pass
	Standoff	SO2		33.6	Pass
	Kicker	KICKER3		27.8	Pass
	Crossarm	CR2		23.1	Pass
	Standoff Flange Plate Bolts	-		3.6	Pass
	Standoff Flange Plate	-		30.0	Pass
	Kicker Flange Plate Bolts	-		0.1	Pass
	Kicker Flange Plate	-		8.6	Pass
	Bolts	-		47.0	Pass

Structure Rating (max from all components) =	99.2%
---	--------------

Notes:

- 1) See additional documentation in "Appendix C – Software Analysis Output" and "Appendix D – Additional Calculations" for calculations supporting the % capacity
- 2) Rating per TIA-222-H, Section 15.5

4.1) Recommendations

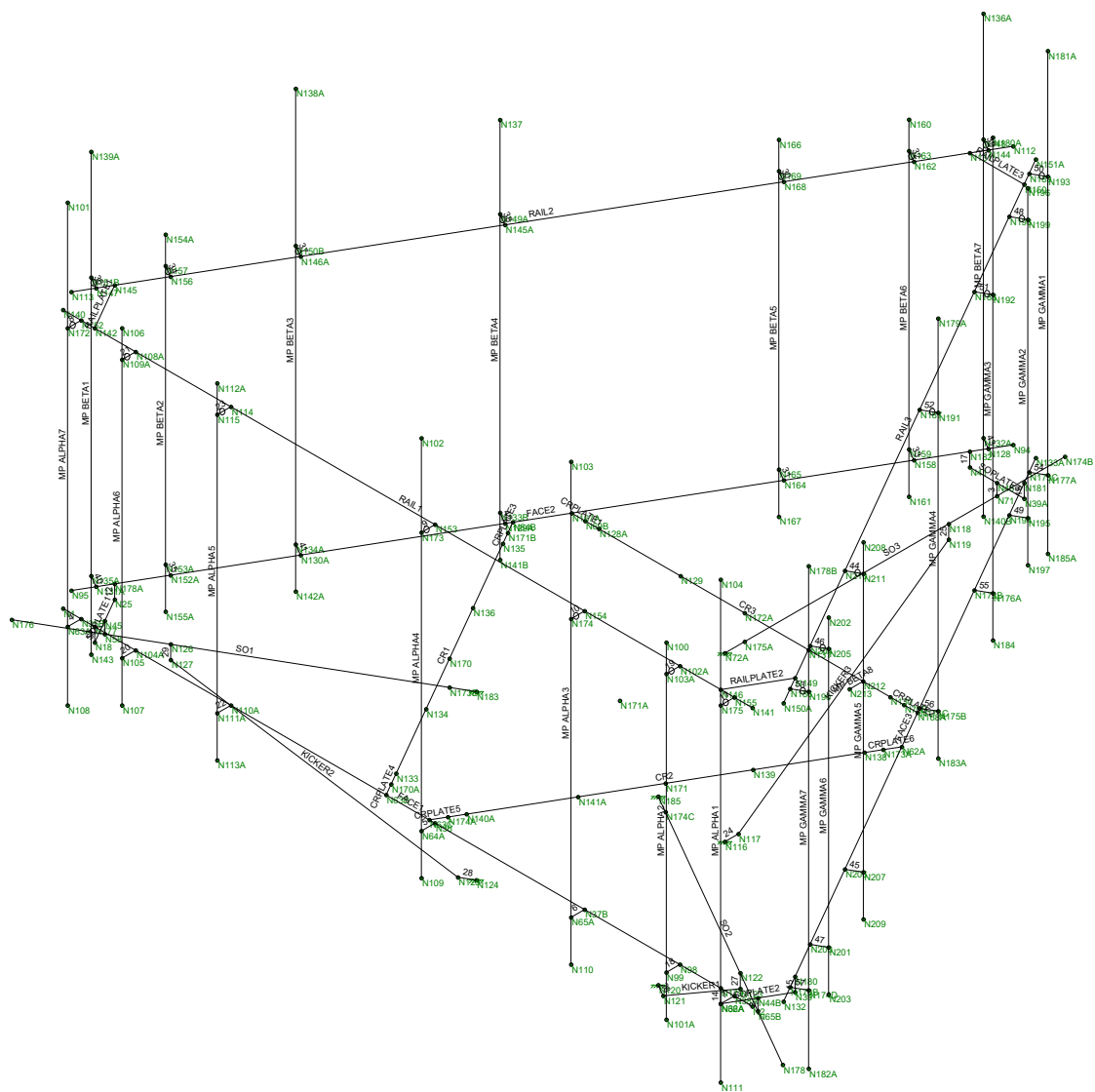
The mount has sufficient capacity to carry the proposed loading configuration. In order for the results of the analysis to be considered valid, the loading modification listed below must be completed.

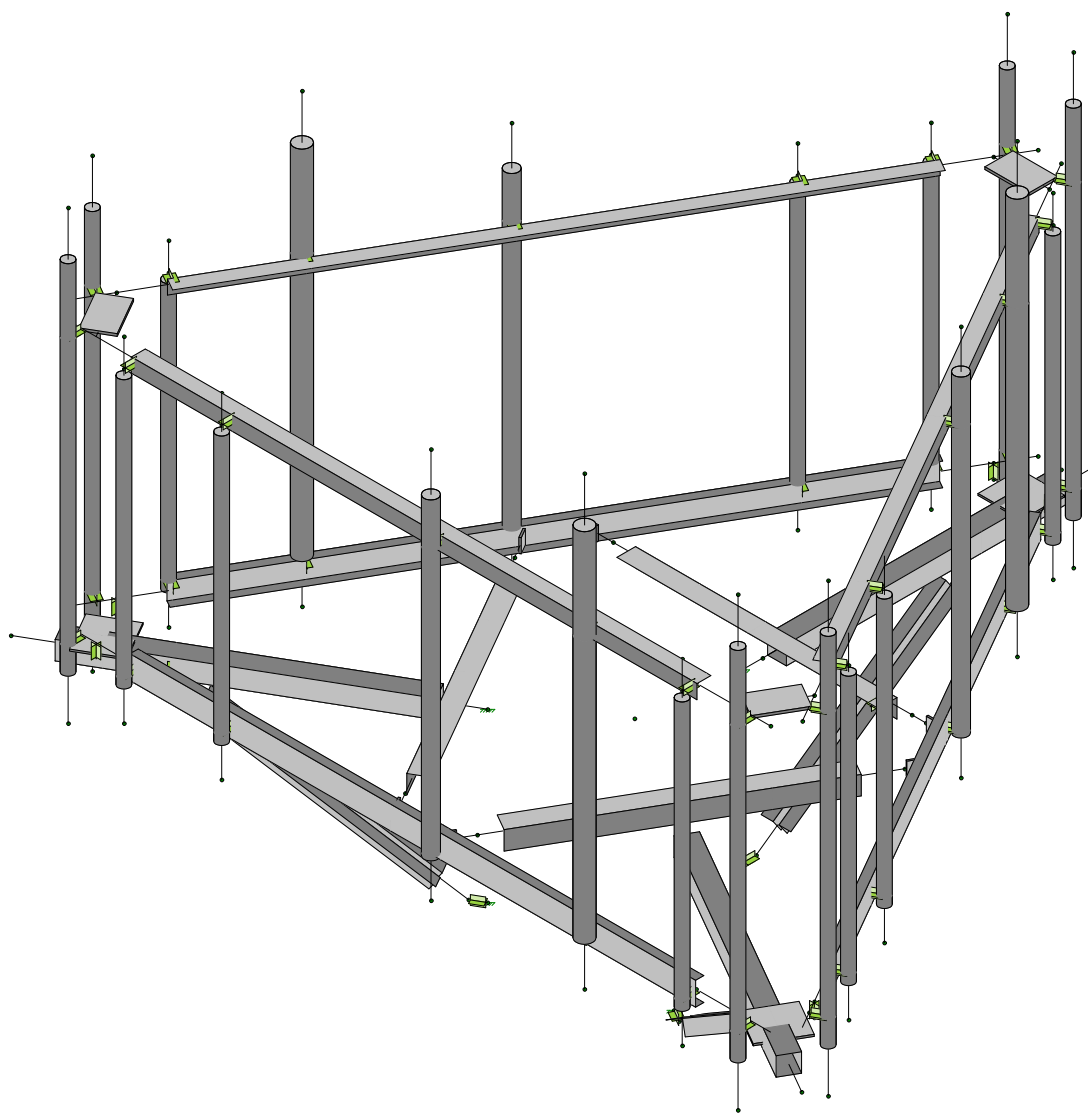
1. The modifications called out in Maser project #: 22777018A must be installed per drawings.

If any of these guidelines are not met, POD Group shall not be held liable.

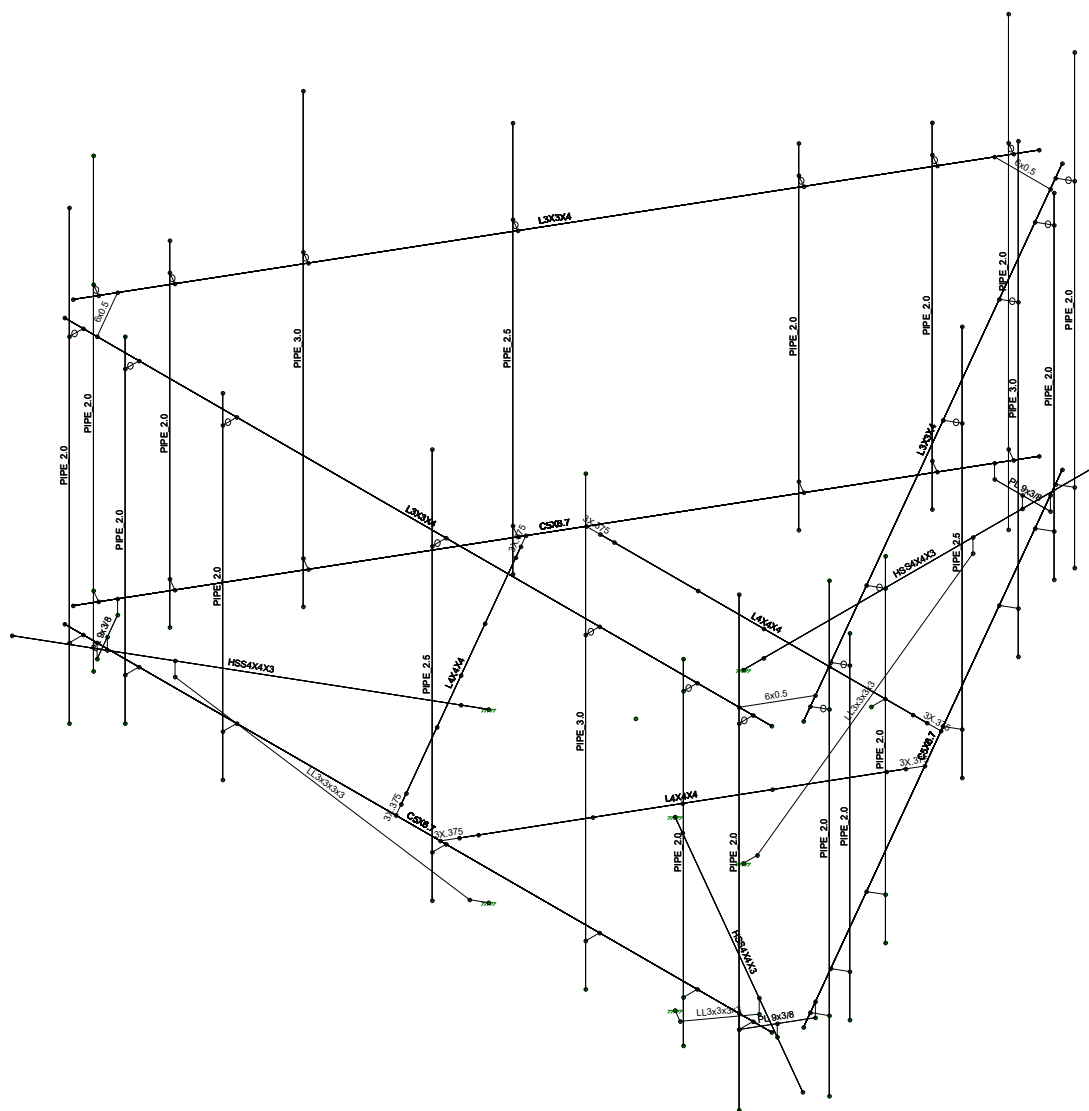
APPENDIX A

Wire Frame and Rendered Models





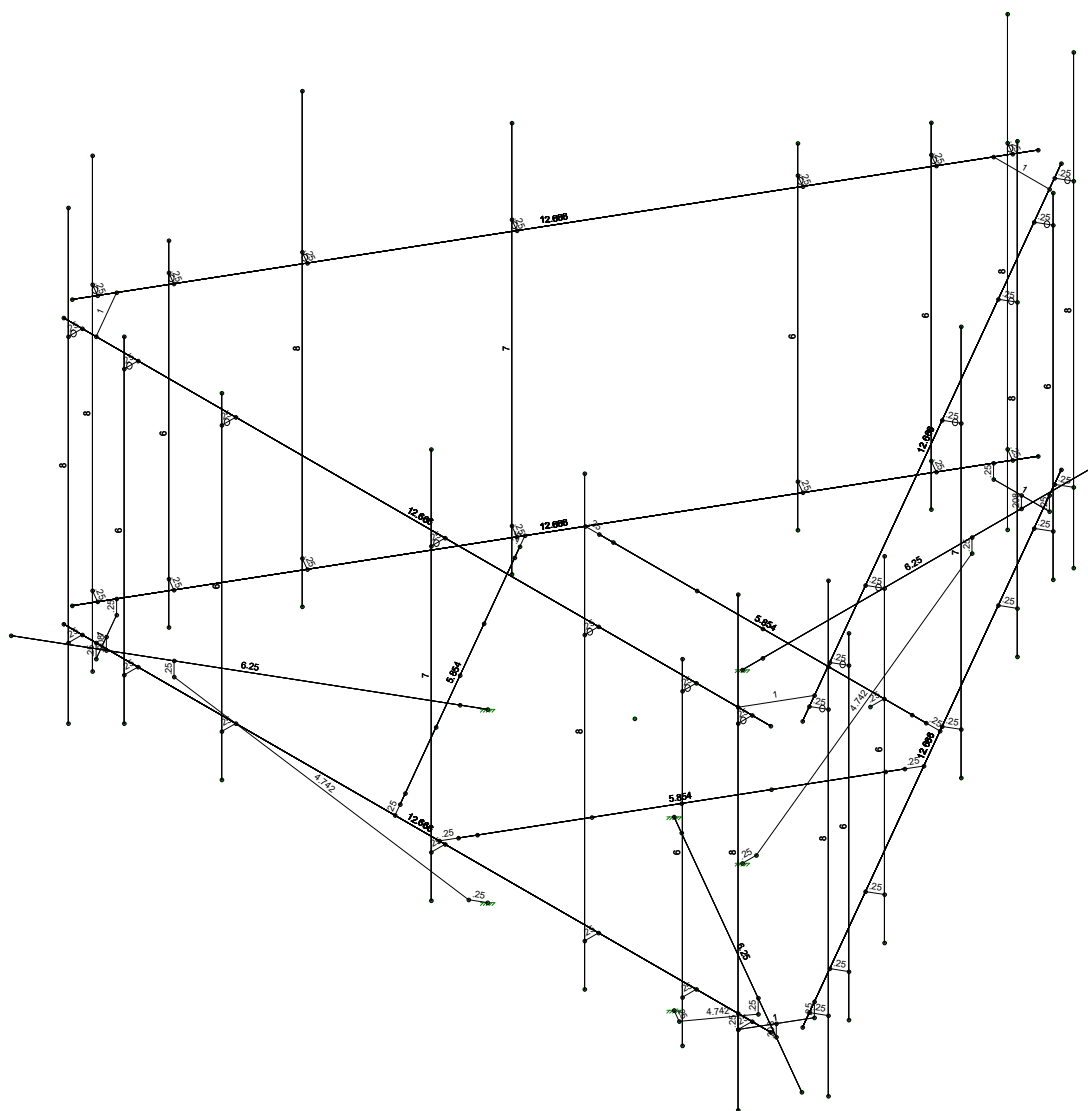
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POD

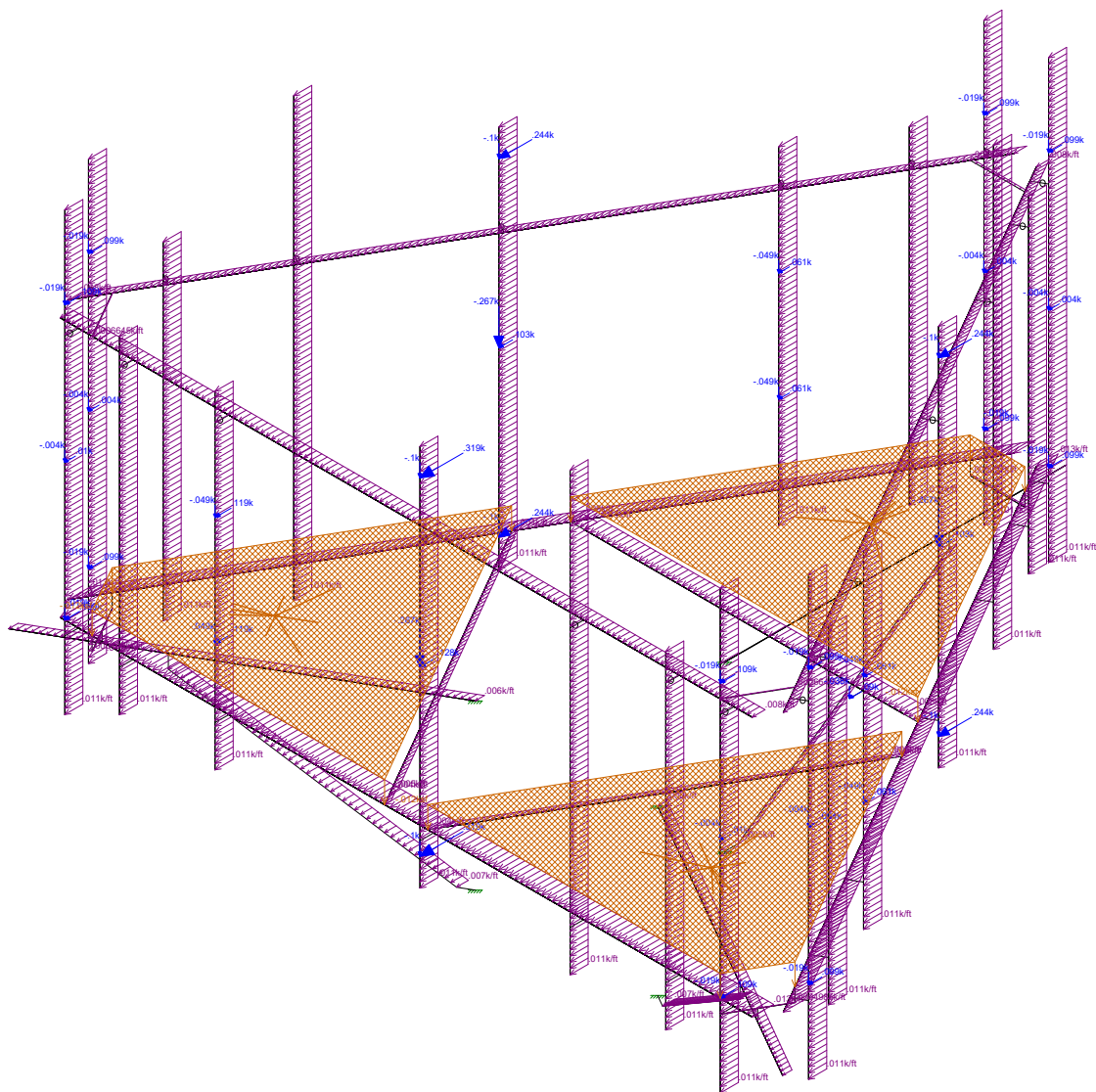
Apr 5, 2023 at 11:03 AM

(PL32.b) 806953 - LOADING.r3d

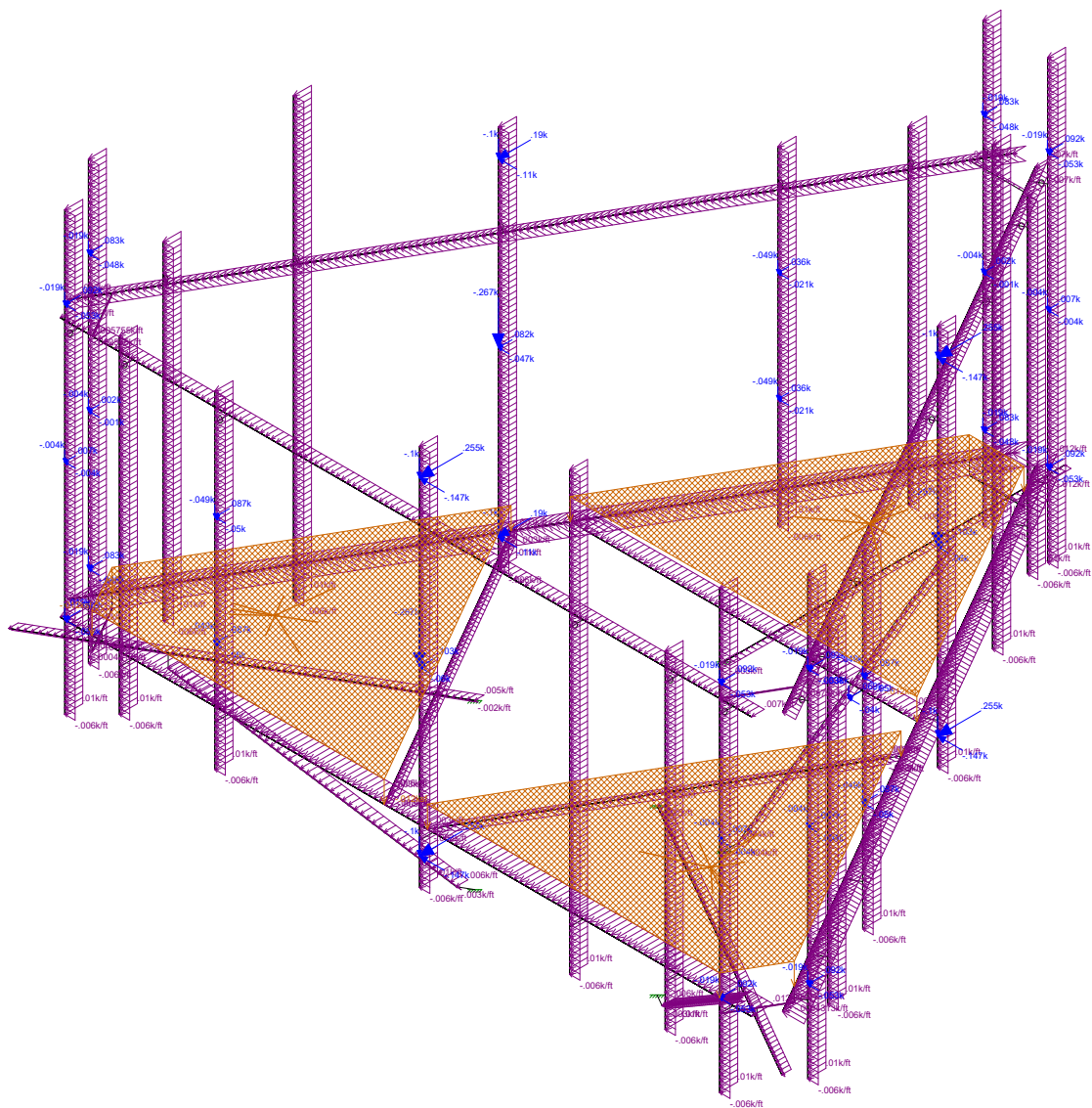


Member Length (ft) Displayed

POD		
		Apr 5, 2023 at 11:03 AM
		(PL32.b) 806953 - LOADING.r3d

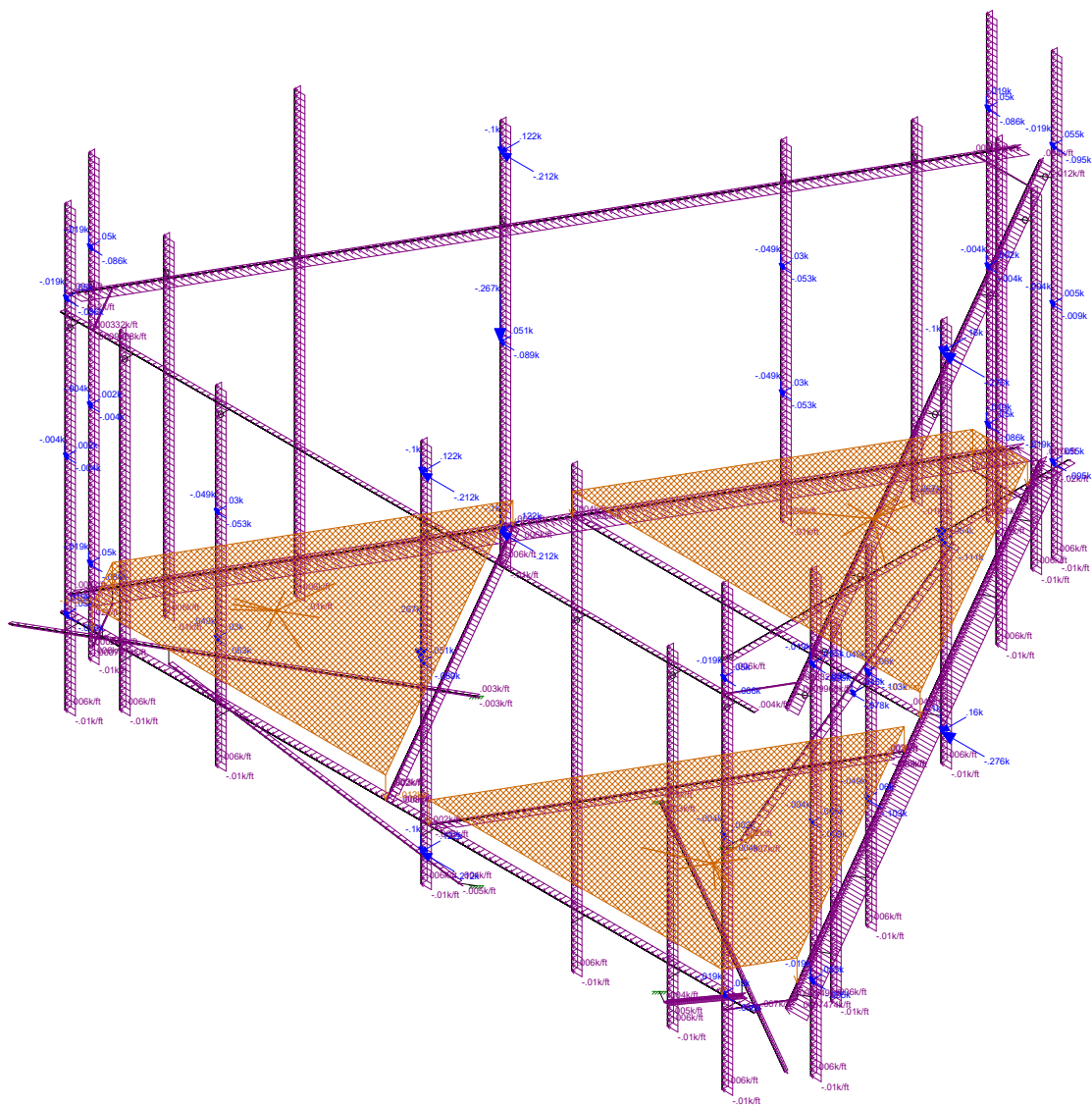


POD		
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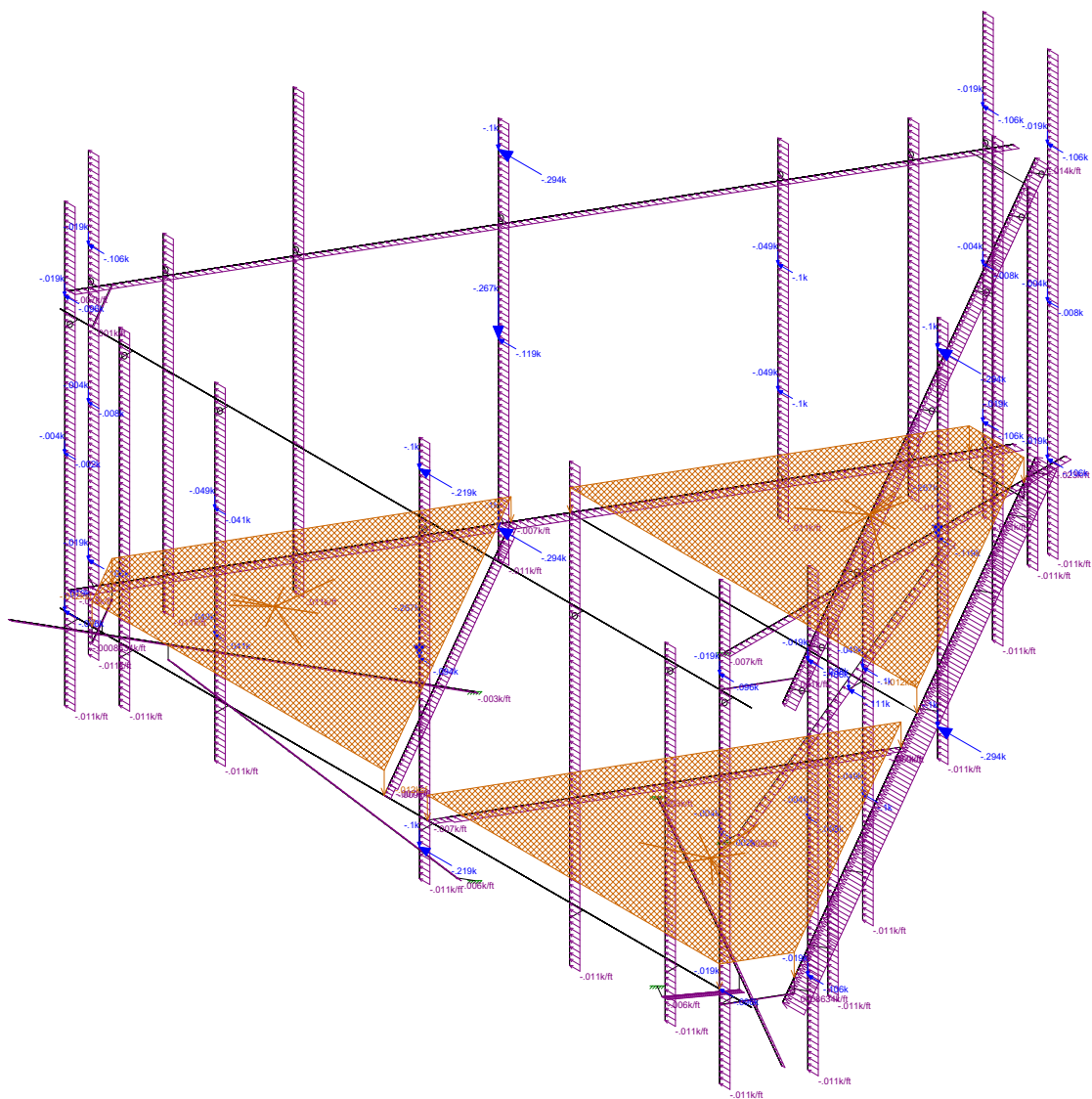
POD

(PL32.b) 806953 - LOADING.r3d



Loads: LC 8, 1.2D + 1.0W(80)

POD		
		Apr 5, 2023 at 11:03 AM
		(PL32.b) 806953 - LOADING.r3d



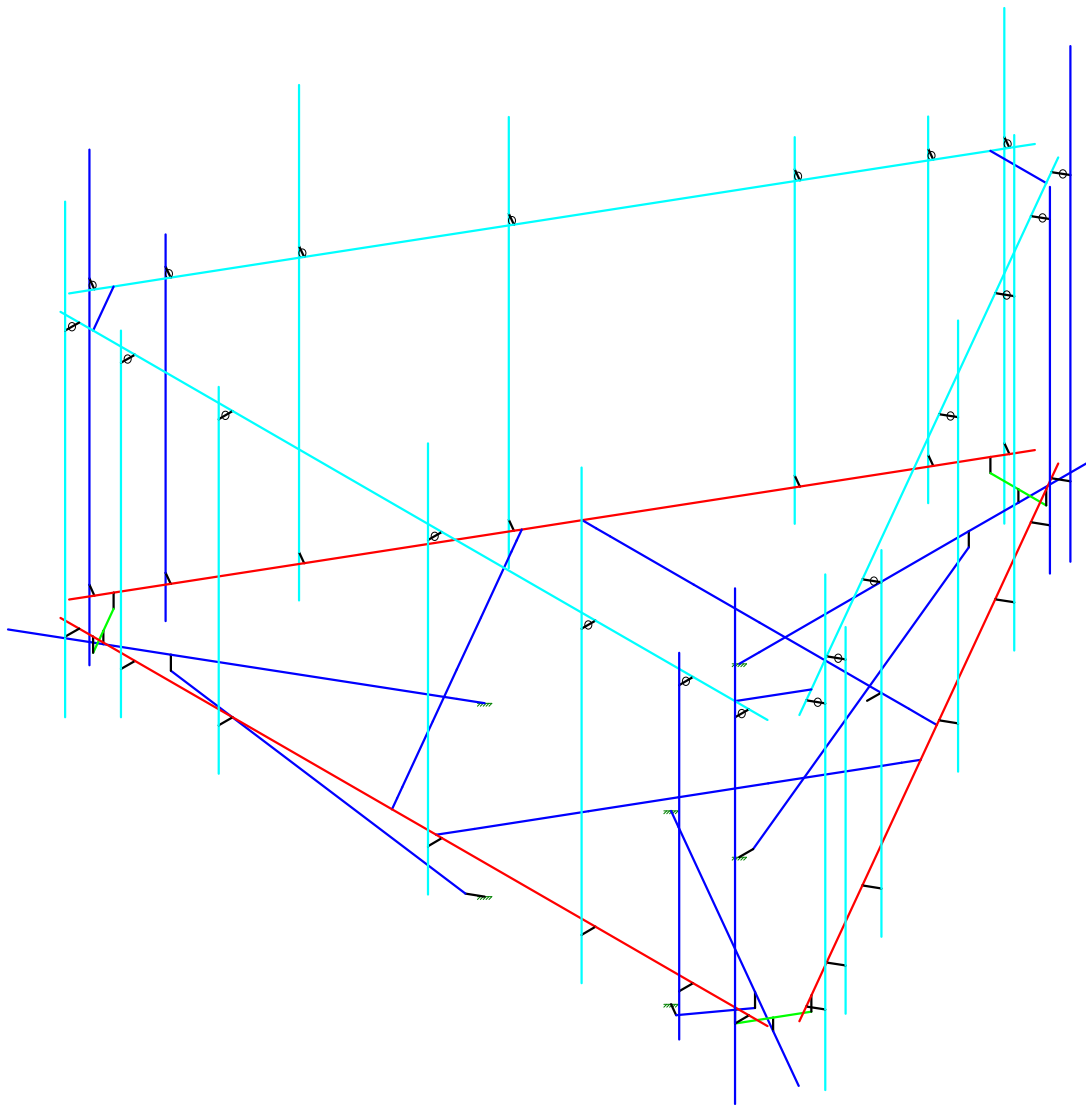
POD

(PL32.b) 806953 - LOADING.r3d



Code Check
(Elev.)

No Calc
> 1.0
90-1.0
75-90
50-75
0-50



POD

Apr 5, 2023 at 11:04 AM

(PL32.b) 806953 - LOADING.r3d



Shear Check
(E=1)

No Calc

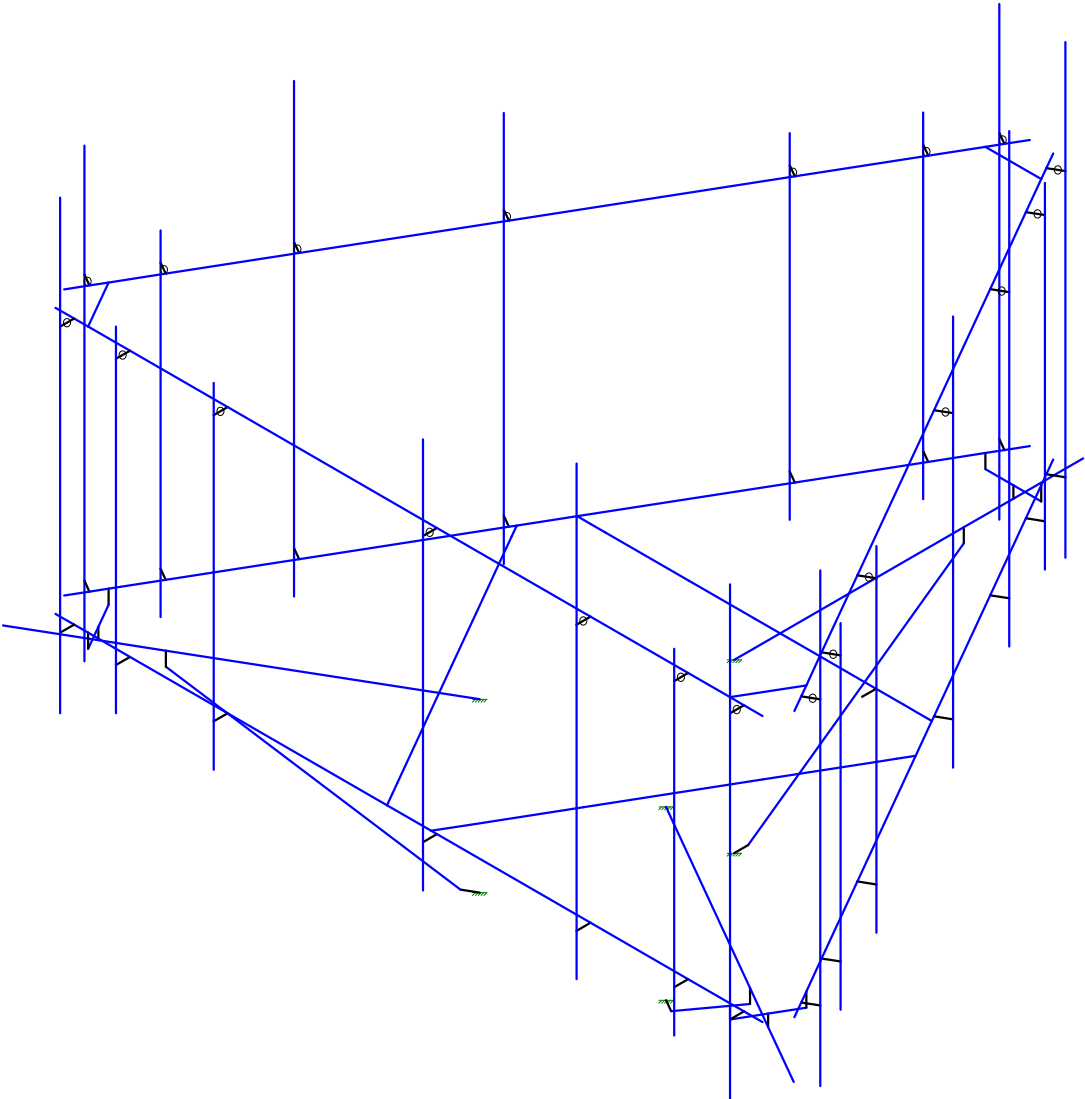
> 1.0

50-1.0

75-90

50-75

0-50



POD

APPENDIX B

Software Input Calculations



POD Job # 23-153499
Site Number 806953
Site Name Riverbank

General Site Information

Mount Type	SFP	Risk Category	II	I (seismic)	1	Use CFD	Yes
V (Wind Speed)	116	I(ice)	1	Sms	0.428		
Zs	245.1			Sm1	0.142	width (ft)	height (ft)
ti	1	Ss	0.27	Sds	0.285	13	5
Vi	50	S1	0.059	Sd1	0.094		
Xit	1	Soil Site Class	D (assumed)	Seismic Design Category	B		
Exposure	8	Fa	1.584	Seismic Analysis Not Required			
zg	1200	Fv	2.400	R	2 TIA-222-H 16.7		
a	7			As	1 TIA-222-H 16.7		
Kmin	0.7	Tower Type	Monopole	Cs, Min	0.03 TIA-222-H 2.7.7.1.1		
G _u	1	Tower Height	160	Cs	0.14256 TIA-222-H 2.7.7.1.1		
Ke	0.99	Alpha Azimuth	30				
K _o	0.95						
K _e	0.9						

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity	MP #
DB846F6SZAXY			142	4	60		A/B/C	1	7
MX06FR0860-03			142	3.5	72		A/B/C	2	4
M16407-77A			142	3	24		A/B/C	1	5
R1VZDC-6627-PF-48			142	0			B	1	8
FD9R6004/2C-3L			142	4			A/B/C	1	7
B2/B66A RRH ORAN (RF4439d-25A)			142	3.5			A/B/C	1	4
B5/B13 RRH ORAN (RF4440d-13A)			142	3.5			A/B/C	1	4
BSAMINT-SBS-2-2	Front	90	142	3.5			A/B/C	1	4

Dish Information

Model	Centerline	Azimuth	Type	Diameter	Depth	Weight	Acting Azimuth	Wind kz	qz	A	Ice Kiz	Ice tiz	qz	Di	Al	W
-------	------------	---------	------	----------	-------	--------	----------------	---------	----	---	---------	---------	----	----	----	---

Mount Information

Elevation (ft)	142	Grating Thickness (in)	1
K _e	1.09	Grating Ice Weight (k/ft ²)	0.014
Kiz	1.16		
tiz	1.16		

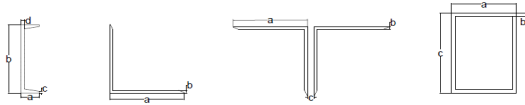
Mount Pipes	Length (ft)	Width (in)	Centerline
	8	3.5	142

Round Members

Member	Length (ft)	Width (in)	Frame Member	# of Members
--------	-------------	------------	--------------	--------------

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
CR	5.854	4	Angle	4	0.25			No	3
Crplate	0.25	3	Channel		3		0.375	No	6
Face On	12.666	5	Channel	1.75	5	0.32	0.19	Yes	2
Face Off	12.666	5	Channel	1.75	5	0.32	0.19	No	1
Rail On	12.666	3	Angle	3	0.25			Yes	4
Rail Off	12.666	3	Angle	3	0.25			No	2
Rail Plate	1	0.5	Channel		0.5		6	No	3
SO	6.25	4	Square HSS	4	0.1875	4		No	3
SO Plate	1	0.375	Channel		0.375		9	No	3
Kicker	6	3	D. Angle	3	0.1875	0.375		No	3



Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft²)	(EPA) _h (ft²)	(EPA) _h (ft²)	Wind Force (Kips)				
									Front	Side	Alpha	Beta	Gamma
DB846F65ZAXY	72.0	10.0	8.5	32.1	1.09	35.43	6.17	5.41	0.219	0.192	0.212	0.212	0.192
MX06FRO860-03	95.9	15.4	10.7	83.0	1.09	35.43	9.01	6.19	0.319	0.219	0.294	0.294	0.219
MT6407-77A	35.1	16.1	5.5	81.6	1.09	35.43	6.74	2.34	0.239	0.083	0.200	0.200	0.083
RVZDC-6627-PF-48	28.9	15.7	10.3	32.0	1.09	35.43	3.41	2.26	0.121	0.080	0.111	0.111	0.080
FD9R6004/ZC-3L	5.8	6.5	1.5	1.1	1.09	35.43	0.28	0.07	0.010	0.002	0.008	0.008	0.002
B2/B66A RRH ORAN (RF443	15.0	15.0	10.0	84.4	1.09	35.43	1.69	1.13	0.060	0.040	0.055	0.055	0.040
BS/B13 RRH ORAN (RF4440	15.0	15.0	8.1	70.3	1.09	35.43	1.69	0.91	0.060	0.032	0.053	0.053	0.032
BSAMNT-SBS-2-2	10.4	29.4	8.0	67.4	1.09	35.43	2.29	0.62	0.008	0.022	0.012	0.012	0.022

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft ²)	(EPA) _h (ft ²)	(EPA) _z (ft ²)	Wind Force (Kips)				
										Front	Side	Alpha	Beta	Gamma
DB846F65ZAXY	1.16	74.31	12.31	10.81	122.38	1.16	6.58	7.08	6.39	0.047	0.042	0.042	0.045	0.042
MX06FRO860-03	1.16	98.21	17.71	13.01	221.65	1.16	6.58	9.59	6.98	0.063	0.046	0.059	0.059	0.046
MT6407-77A	1.16	37.37	18.37	7.82	73.58	1.16	6.58	7.39	3.17	0.049	0.021	0.042	0.042	0.021
RVZDC-6627-PF-48	1.16	31.24	18.04	12.62	78.60	1.16	6.58	2.47	1.73	0.016	0.011	0.015	0.015	0.011
FD9R6004/ZC-3L	1.16	8.11	8.81	3.81	7.01	1.16	6.58	0.32	0.14	0.002	0.001	0.002	0.002	0.001
B2/B66A RRH ORAN (RF4443	1.16	17.31	17.31	12.31	46.72	1.16	6.58	1.31	0.94	0.009	0.006	0.008	0.008	0.006
BS/B13 RRH ORAN (RF4440	1.16	17.31	17.31	10.41	42.11	1.16	6.58	1.31	0.79	0.009	0.005	0.008	0.008	0.005
BSAMNT-SBS-2-2	1.16	12.70	31.68	10.31	55.43	1.16	6.58	1.76	0.58	0.001	0.004	0.002	0.002	0.004

Round Members

Member	q _s (lb/ft ²)	Ar	C	Wind Calculations		EPA (ft ²)	Load (k/ft)	Width (in)	Weight (k/ft)	q _s (lb/ft ²)	Ice Calculations			EPA (ft ²)	Load (k/ft)
				Rr	Cf						Arice	Rrice	Cf		

Flat Members

Member	q _s (lb/ft ²)	Af	Wind Calculations			Load (k/ft)	Ice Calculations						EPA	Load (k/ft)
			Cf	EPA	Arice		Width (in)	Weight (k/ft)	q _s (lb/ft ²)	Rrice	Cf	Rrice		
CR	35.43	5.85	2.00	3.51	0.011	6.31	0.01	6.58	9.24	0.71	2.00	3.96	0.002	
Crplate	35.43	0.38	2.00	0.11	0.008	5.31	0.01	6.58	0.66	0.71	2.00	0.14	0.002	
Face On	35.43	10.56	2.00	9.50	0.027	7.31	0.01	6.58	15.44	0.71	2.00	9.93	0.005	
Face Off	35.43	5.28	2.00	9.50	0.013	7.31	0.01	6.58	7.72	0.71	2.00	9.93	0.003	
Rail On	35.43	12.67	2.00	5.70	0.016	5.31	0.01	6.58	22.44	0.71	2.00	7.22	0.004	
Rail Off	35.43	6.33	2.00	5.70	0.008	5.31	0.01	6.58	11.22	0.71	2.00	7.22	0.002	
Rail Plate	35.43	0.13	2.00	0.08	0.001	2.81	0.01	6.58	0.70	0.71	2.00	0.30	0.001	
SO	35.43	6.25	1.25	2.34	0.007	6.31	0.01	6.58	9.87	0.71	1.25	2.65	0.001	
SO Plate	35.43	0.09	2.00	0.06	0.001	2.69	0.01	6.58	0.67	0.71	2.00	0.29	0.001	
Kicker	35.43	4.50	2.00	2.70	0.008	5.31	0.01	6.58	7.97	0.71	2.00	3.42	0.002	

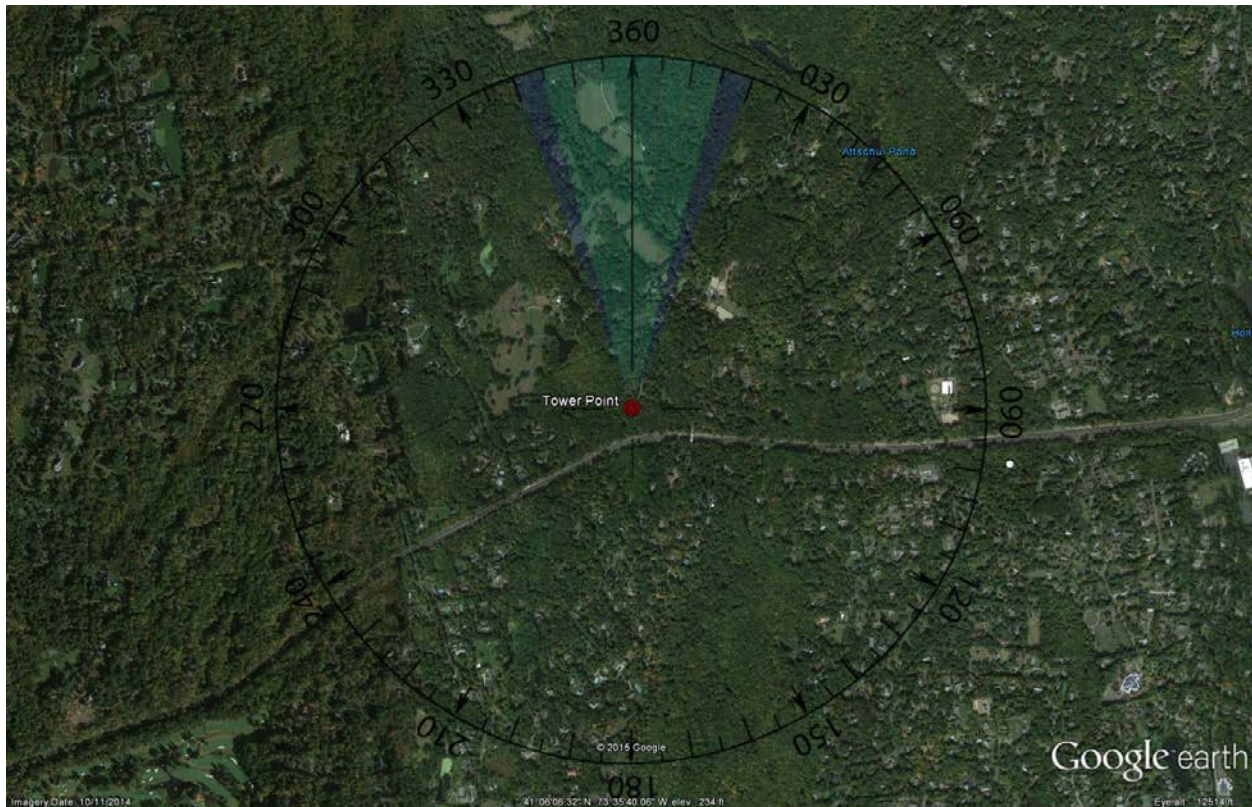
Appurtenance Seismic Calculations

Model	Weight	Sds	p	Cs	As	Ev	Eh
DB846F65ZAXY	32.1	0.285	1.000	0.143	1.000	0.002	0.005
MX06FRO860-03	83.0	0.285	1.000	0.143	1.000	0.005	0.012
MT6407-77A	81.6	0.285	1.000	0.143	1.000	0.005	0.012
RVZDC-6627-PF-48	32.0	0.285	1.000	0.143	1.000	0.002	0.005
FD9R6004/ZC-3L	3.1	0.285	1.000	0.143	1.000	0.000	0.000
B2/B66A RRH ORAN (RF4443	84.4	0.285	1.000	0.143	1.000	0.005	0.012
BS/B13 RRH ORAN (RF4440	70.3	0.285	1.000	0.143	1.000	0.004	0.010
BSAMNT-SBS-2-2	67.4	0.285	1.000	0.143	1.000	0.004	0.010

Exposure Category Determination BU#806953



- Latitude/Longitude = 41° 6' 6.35", -73° 35' 41.45"
- Tower Height = 160 ft
- Upwind Fetch Radius = Greater of 25 x Tower Height or 3250 ft = 4000 ft
- Minimum Open Patch = 164 ft x 164 ft
- Maximum continuous surface roughness category C arc angle = 5 degrees
- Kmz file saved in folder ... R:\SA Models - Letters\Work Area\Exposure_Topo_KMZ



Exposure Category for this site is **B**.

The determination is based on Crown Castle standard ENG-PRC-10202, Determination of Exposure Category, revision C.

Completed by: Erin Doyle

Approved by: Jason Hedrich

Date: 09/01/2015

Date: 09/03/2015



Unmitigated Percentage (B/C)

Inputs

Tower Height (ft):	160'
Starting Azimuth:	345°
Upwind Fetch Radius (ft):	4000'
20% Unmitigated Limit (ft):	800'
Overlay Size Selected:	30°

Subsector (Degrees)	Total Unmitigated Length (ft)	Percentage of Subsector Unmitigated
330°		0.0%
335°		0.0%
340°	330'	8.3%
345°	165'	4.1%
350°	610'	15.3%
355°	1075'	26.9%
360°	545'	13.6%
5°	290'	7.3%
10°	174'	4.4%
15°	'	0.0%
20°		0.0%
25°		0.0%
30°		0.0%
35°		0.0%

THIS SITE IS EXPOSURE:	B
------------------------	---

Length measurements should be taken to the nearest 5' increment.

The determination is based on Crown Castle standard ENG-PRC-10202, Determination of Exposure Category, revision C.

This chart is intended only for use with Exposures B and C and is Not applicable for Exposure D.

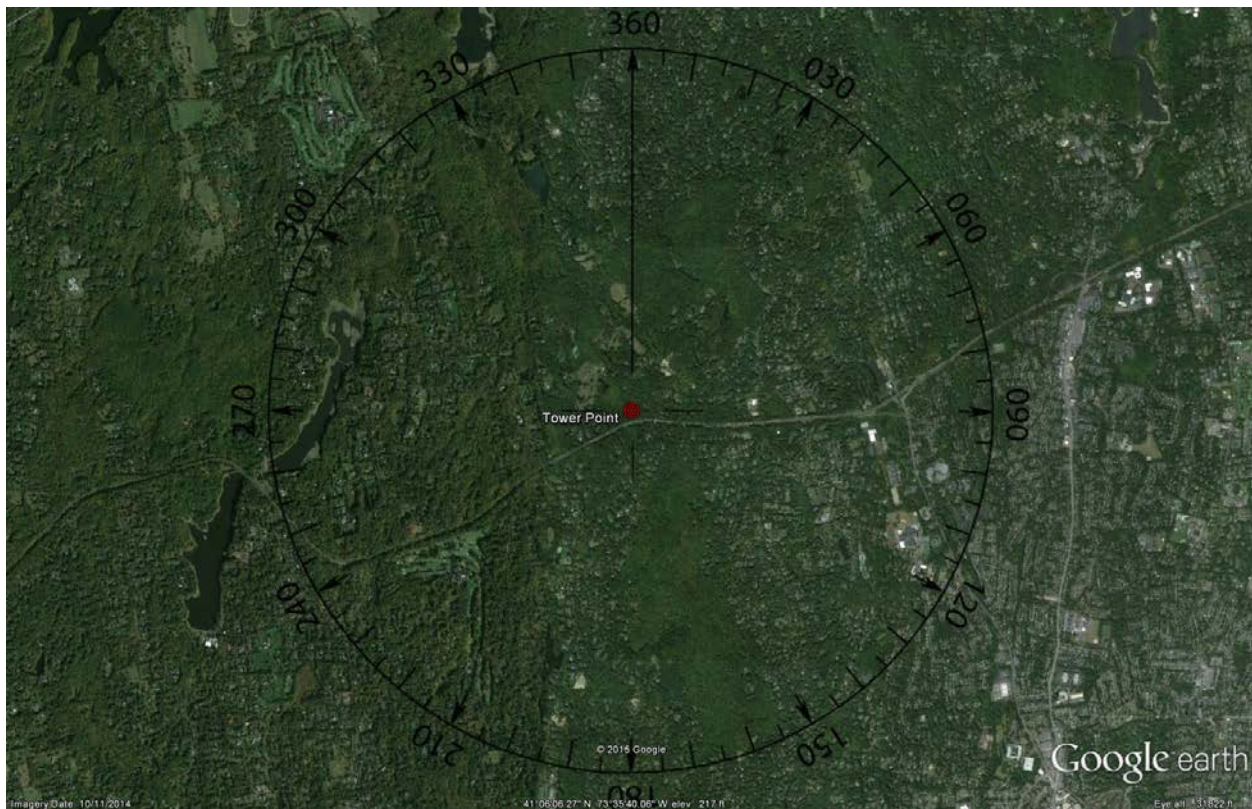
LEGEND	
	Considered Subsector
	Bookending Subsector

Topographic Factor Determination

BU#806953



- Latitude/Longitude = 41° 6' 6.35", -73° 35' 41.45"
- Tower Height = 160 ft
- Topo Radius = 10,560 ft
- Maximum continuous effective topo arc angle = 0 degrees
- Critical wind azimuth used in topo tool = 0
- Kml file saved in folder ... R:\SA Models - Letters\Work Area\Exposure_Topo_KMZ



Exposure Category for this site is **B**.
No topo feature.
Topographic Factor (K_{zt}) at base is 1.0.

The determination is based on Crown Castle standard ENG-PRC-10040, Determination of Topographic Factor, initial release.

Completed by: Erin Doyle

Approved by: Jason Hedrich

Date: 09/01/2015

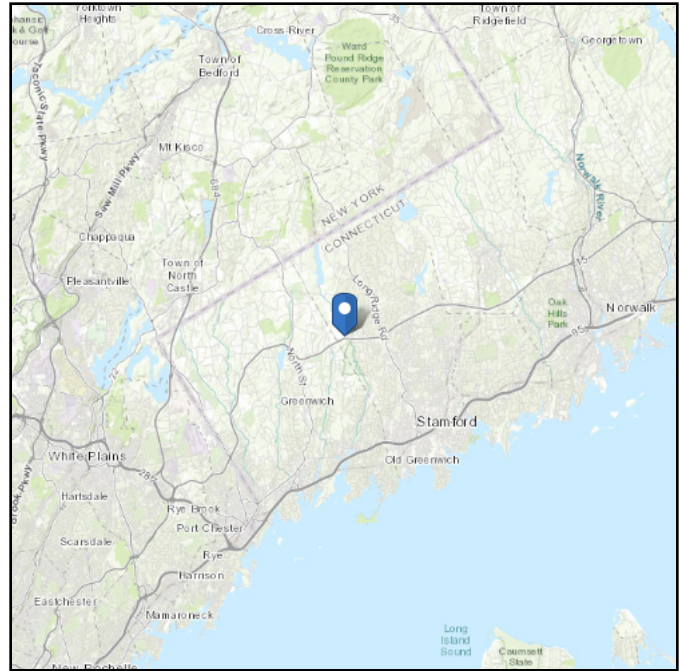
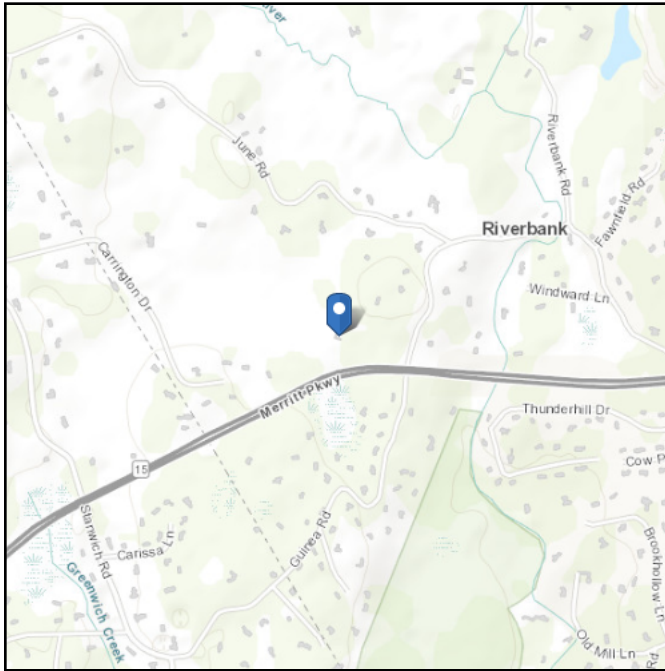
Date: 09/03/2015

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Latitude: 41.10175
Longitude: -73.594444
Elevation: 245.1011906352326 ft (NAVD 88)



Wind

Results:

Wind Speed	116 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	97 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Wed Apr 05 2023

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

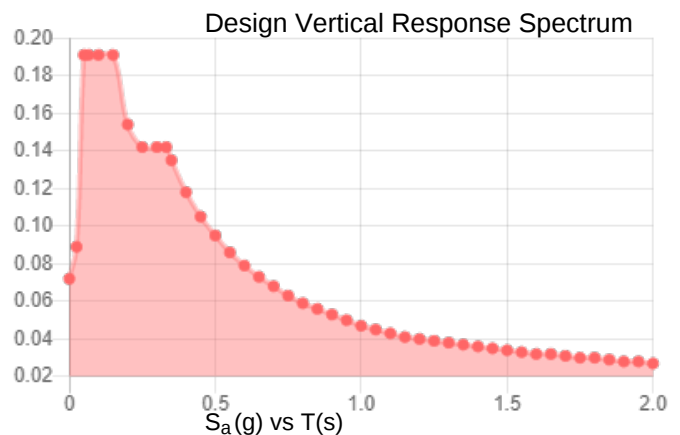
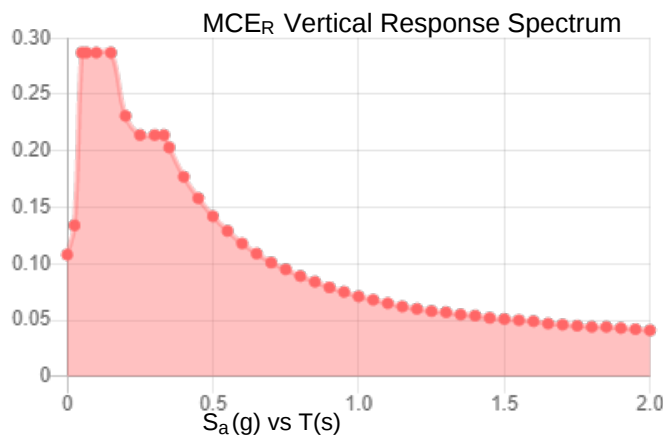
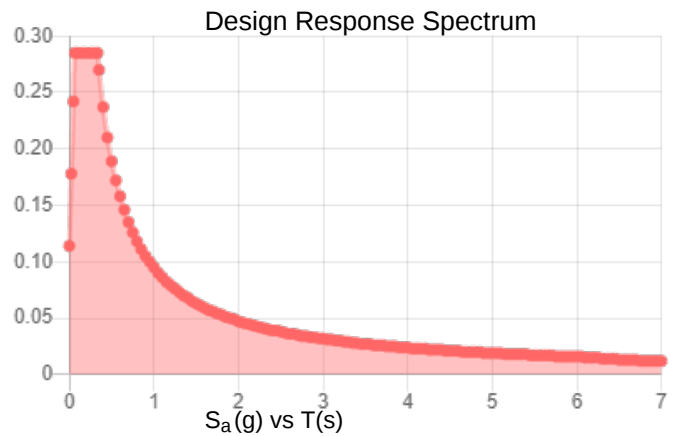
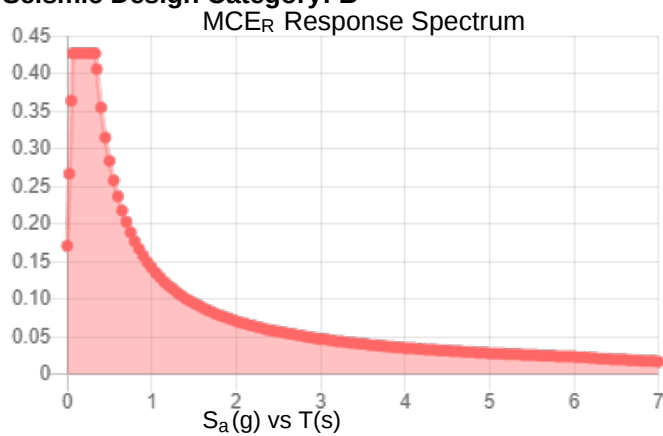
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class:

Results:

S_S :	0.27	S_{D1} :	0.095
S_1 :	0.059	T_L :	6
F_a :	1.584	PGA :	0.163
F_v :	2.4	PGA _M :	0.241
S_{MS} :	0.427	F_{PGA} :	1.473
S_{M1} :	0.142	I_e :	1
S_{DS} :	0.285	C_v :	0.839

Seismic Design Category: B



Data Accessed:

Wed Apr 05 2023

Date Source:

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

Results:

Ice Thickness: 1.00 in.
Concurrent Temperature: 15 F
Gust Speed 50 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Wed Apr 05 2023

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

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

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APPENDIX C

Software Analysis Output

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bo...	L-tor...	Kyy	Kzz	Cb	Funct...
1	SOPLATE3	PL 9x3/8	1			Lbyy						Lateral
2	SOPLATE2	PL 9x3/8	1			Lbyy						Lateral
3	SOPLATE1	PL 9x3/8	1			Lbyy						Lateral
4	SO3	HSS4X4X3	6.25			Lbyy						Lateral
5	SO2	HSS4X4X3	6.25			Lbyy						Lateral
6	SO1	HSS4X4X3	6.25			Lbyy						Lateral
7	RAILPLATE3	6x0.5	1			Lbyy						Lateral
8	RAILPLATE2	6x0.5	1			Lbyy						Lateral
9	RAILPLATE1	6x0.5	1			Lbyy						Lateral
10	RAIL3	L3X3X4	12.666			Lbyy						Lateral
11	RAIL2	L3X3X4	12.666			Lbyy						Lateral
12	RAIL1	L3X3X4	12.666			Lbyy						Lateral
13	MP GAMMA7	PIPE 2.0	8			Lbyy						Lateral
14	MP GAMMA6	PIPE 2.0	6			Lbyy						Lateral
15	MP GAMMA5	PIPE 2.0	6			Lbyy						Lateral
16	MP GAMMA4	PIPE 2.5	7			Lbyy						Lateral
17	MP GAMMA3	PIPE 3.0	8			Lbyy						Lateral
18	MP GAMMA2	PIPE 2.0	6			Lbyy						Lateral
19	MP GAMMA1	PIPE 2.0	8			Lbyy						Lateral
20	MP BETA7	PIPE 2.0	8			Lbyy						Lateral
21	MP BETA6	PIPE 2.0	6			Lbyy						Lateral
22	MP BETA5	PIPE 2.0	6			Lbyy						Lateral
23	MP BETA4	PIPE 2.5	7			Lbyy						Lateral
24	MP BETA3	PIPE 3.0	8			Lbyy						Lateral
25	MP BETA2	PIPE 2.0	6			Lbyy						Lateral
26	MP BETA1	PIPE 2.0	8			Lbyy						Lateral
27	MP ALPHA7	PIPE 2.0	8			Lbyy						Lateral
28	MP ALPHA6	PIPE 2.0	6			Lbyy						Lateral
29	MP ALPHA5	PIPE 2.0	6			Lbyy						Lateral
30	MP ALPHA4	PIPE 2.5	7			Lbyy						Lateral
31	MP ALPHA3	PIPE 3.0	8			Lbyy						Lateral
32	MP ALPHA2	PIPE 2.0	6			Lbyy						Lateral
33	MP ALPHA1	PIPE 2.0	8			Lbyy						Lateral
34	KICKER3	LL3x3x3x3	4.742			Lbyy						Lateral
35	KICKER2	LL3x3x3x3	4.742			Lbyy						Lateral
36	KICKER1	LL3x3x3x3	4.742			Lbyy						Lateral
37	FACE3	C5X6.7	12.666			Lbyy						Lateral
38	FACE2	C5X6.7	12.666			Lbyy						Lateral
39	FACE1	C5X6.7	12.666			Lbyy						Lateral
40	CRPLATE6	3X.375	.25			Lbyy						Lateral
41	CRPLATE5	3X.375	.25			Lbyy						Lateral
42	CRPLATE4	3X.375	.25			Lbyy						Lateral
43	CRPLATE3	3X.375	.25			Lbyy						Lateral
44	CRPLATE2	3X.375	.25			Lbyy						Lateral
45	CRPLATE1	3X.375	.25			Lbyy						Lateral
46	CR3	L4X4X4	5.854			Lbyy						Lateral
47	CR2	L4X4X4	5.854			Lbyy						Lateral
48	CR1	L4X4X4	5.854			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design Rules
1	SOPLATE3	N41	N39A		270	PL 9x3/8	Beam	RECT	A36 Gr.36	Typical
2	SOPLATE2	N39	N32A		90	PL 9x3/8	Beam	RECT	A36 Gr.36	Typical
3	SOPLATE1	N18	N25		90	PL 9x3/8	Beam	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design Rules
4	SO3	N72A	N174B			HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical
5	SO2	N185	N178			HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical
6	SO1	N183	N176			HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical
7	RAILPLATE3	N151	N150		270	6x0.5	Beam	RECT	A36 Gr.36	Typical
8	RAILPLATE2	N149	N146		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
9	RAILPLATE1	N142	N145		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
10	RAIL3	N151A	N150A		90	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
11	RAIL2	N113	N112		90	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
12	RAIL1	N141	N140		90	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
13	MP GAMMA7	N182A	N178B			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
14	MP GAMMA6	N203	N202			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
15	MP GAMMA5	N209	N208			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
16	MP GAMMA4	N183A	N179A			PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical
17	MP GAMMA3	N184	N180A			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
18	MP GAMMA2	N197	N196			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
19	MP GAMMA1	N185A	N181A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
20	MP BETA7	N140B	N136A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
21	MP BETA6	N161	N160			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
22	MP BETA5	N167	N166			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
23	MP BETA4	N141B	N137			PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical
24	MP BETA3	N142A	N138A			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
25	MP BETA2	N155A	N154A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
26	MP BETA1	N143	N139A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
27	MP ALPHA7	N108	N101			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
28	MP ALPHA6	N107	N106			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
29	MP ALPHA5	N113A	N112A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
30	MP ALPHA4	N109	N102			PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical
31	MP ALPHA3	N110	N103			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
32	MP ALPHA2	N101A	N100			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
33	MP ALPHA1	N111	N104			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
34	KICKER3	N117	N119			LL3x3x3x3	Beam	Double Angle (3/8 G...	A36 Gr.36	Typical
35	KICKER2	N125	N127			LL3x3x3x3	Beam	Double Angle (3/8 G...	A36 Gr.36	Typical
36	KICKER1	N121	N123			LL3x3x3x3	Beam	Double Angle (3/8 G...	A36 Gr.36	Typical
37	FACE3	N133A	N132			C5X6.7	Beam	Channel	A36 Gr.36	Typical
38	FACE2	N95	N94			C5X6.7	Beam	Channel	A36 Gr.36	Typical
39	FACE1	N2	N1			C5X6.7	Beam	Channel	A36 Gr.36	Typical
40	CRPLATE6	N173A	N62A			3X.375	Beam	RECT	A36 Gr.36	Typical
41	CRPLATE5	N63C	N174A			3X.375	Beam	RECT	A36 Gr.36	Typical
42	CRPLATE4	N170A	N63B			3X.375	Beam	RECT	A36 Gr.36	Typical
43	CRPLATE3	N64B	N171B			3X.375	Beam	RECT	A36 Gr.36	Typical
44	CRPLATE2	N70B	N168A			3X.375	Beam	RECT	A36 Gr.36	Typical
45	CRPLATE1	N167A	N69B			3X.375	Beam	RECT	A36 Gr.36	Typical
46	CR3	N69B	N70B		90	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical
47	CR2	N173A	N174A		90	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical
48	CR1	N170A	N171B		90	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical
49	57	N170B	N174D			RIGID	None	None	RIGID	Typical
50	56	N171C	N175B			RIGID	None	None	RIGID	Typical
51	55	N172B	N176A			RIGID	None	None	RIGID	Typical
52	54	N173C	N177A			RIGID	None	None	RIGID	Typical
53	53	N186	N190			RIGID	None	None	RIGID	Typical
54	52	N187	N191			RIGID	None	None	RIGID	Typical
55	51	N188	N192			RIGID	None	None	RIGID	Typical
56	50	N189	N193			RIGID	None	None	RIGID	Typical
57	49	N194	N195			RIGID	None	None	RIGID	Typical
58	48	N198	N199			RIGID	None	None	RIGID	Typical
59	47	N200	N201			RIGID	None	None	RIGID	Typical
60	46	N204	N205			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design Rules
61	45	N206	N207			RIGID	None	None	RIGID	Typical
62	44	N210	N211			RIGID	None	None	RIGID	Typical
63	43	N128	N132A			RIGID	None	None	RIGID	Typical
64	42	N129A	N133B			RIGID	None	None	RIGID	Typical
65	41	N130A	N134A			RIGID	None	None	RIGID	Typical
66	40	N131A	N135A			RIGID	None	None	RIGID	Typical
67	39	N144	N148			RIGID	None	None	RIGID	Typical
68	38	N145A	N149A			RIGID	None	None	RIGID	Typical
69	37	N146A	N150B			RIGID	None	None	RIGID	Typical
70	36	N147	N151B			RIGID	None	None	RIGID	Typical
71	35	N152A	N153A			RIGID	None	None	RIGID	Typical
72	34	N156	N157			RIGID	None	None	RIGID	Typical
73	33	N158	N159			RIGID	None	None	RIGID	Typical
74	32	N162	N163			RIGID	None	None	RIGID	Typical
75	31	N164	N165			RIGID	None	None	RIGID	Typical
76	30	N168	N169			RIGID	None	None	RIGID	Typical
77	29	N126	N127		240	RIGID	None	None	RIGID	Typical
78	28	N124	N125			RIGID	None	None	RIGID	Typical
79	27	N122	N123		120	RIGID	None	None	RIGID	Typical
80	26	N120	N121			RIGID	None	None	RIGID	Typical
81	25	N118	N119			RIGID	None	None	RIGID	Typical
82	24	N116	N117			RIGID	None	None	RIGID	Typical
83	23	N114	N115			RIGID	None	None	RIGID	Typical
84	22	N110A	N111A			RIGID	None	None	RIGID	Typical
85	21	N108A	N109A			RIGID	None	None	RIGID	Typical
86	20	N104A	N105			RIGID	None	None	RIGID	Typical
87	19	N102A	N103A			RIGID	None	None	RIGID	Typical
88	18	N98	N99			RIGID	None	None	RIGID	Typical
89	17	N41	N182			RIGID	None	None	RIGID	Typical
90	16	N39A	N181			RIGID	None	None	RIGID	Typical
91	15	N39	N180			RIGID	None	None	RIGID	Typical
92	14	N32A	N179			RIGID	None	None	RIGID	Typical
93	13	N18	N177			RIGID	None	None	RIGID	Typical
94	12	N25	N178A			RIGID	None	None	RIGID	Typical
95	11	N155	N175			RIGID	None	None	RIGID	Typical
96	10	N154	N174			RIGID	None	None	RIGID	Typical
97	9	N153	N173			RIGID	None	None	RIGID	Typical
98	8	N152	N172			RIGID	None	None	RIGID	Typical
99	7	N38A	N66A			RIGID	None	None	RIGID	Typical
100	6	N37B	N65A			RIGID	None	None	RIGID	Typical
101	5	N36	N64A			RIGID	None	None	RIGID	Typical
102	4	N35B	N63A			RIGID	None	None	RIGID	Typical
103	3	N71	N46			RIGID	None	None	RIGID	Typical
104	2	N65B	N44B			RIGID	None	None	RIGID	Typical
105	1	N58	N45			RIGID	None	None	RIGID	Typical
106	MP BETA8	N213	N212			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	SOPLATE3						Yes				None
2	SOPLATE2						Yes				None
3	SOPLATE1						Yes				None
4	SO3						Yes				None
5	SO2						Yes				None
6	SO1						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...
7	RAILPLATE3						Yes				None
8	RAILPLATE2						Yes				None
9	RAILPLATE1						Yes				None
10	RAIL3						Yes				None
11	RAIL2						Yes				None
12	RAIL1						Yes				None
13	MP GAMM...						Yes				None
14	MP GAMM...						Yes				None
15	MP GAMM...						Yes				None
16	MP GAMM...						Yes				None
17	MP GAMM...						Yes				None
18	MP GAMM...						Yes				None
19	MP GAMM...						Yes				None
20	MP BETA7						Yes				None
21	MP BETA6						Yes				None
22	MP BETA5						Yes				None
23	MP BETA4						Yes				None
24	MP BETA3						Yes				None
25	MP BETA2						Yes				None
26	MP BETA1						Yes				None
27	MP ALPHA7						Yes				None
28	MP ALPHA6						Yes				None
29	MP ALPHA5						Yes				None
30	MP ALPHA4						Yes				None
31	MP ALPHA3						Yes				None
32	MP ALPHA2						Yes				None
33	MP ALPHA1						Yes				None
34	KICKER3						Yes				None
35	KICKER2						Yes				None
36	KICKER1						Yes				None
37	FACE3						Yes				None
38	FACE2						Yes				None
39	FACE1						Yes				None
40	CRPLATE6						Yes				None
41	CRPLATE5						Yes				None
42	CRPLATE4						Yes				None
43	CRPLATE3						Yes				None
44	CRPLATE2						Yes				None
45	CRPLATE1						Yes				None
46	CR3						Yes				None
47	CR2						Yes				None
48	CR1						Yes				None
49	57						Yes	** NA **			None
50	56						Yes	** NA **			None
51	55						Yes	** NA **			None
52	54						Yes	** NA **			None
53	53		OOOXOO				Yes	** NA **			None
54	52		OOOXOO				Yes	** NA **			None
55	51		OOOXOO				Yes	** NA **			None
56	50		OOOXOO				Yes	** NA **			None
57	49						Yes	** NA **			None
58	48		OOOXOO				Yes	** NA **			None
59	47						Yes	** NA **			None
60	46		OOOXOO				Yes	** NA **			None
61	45						Yes	** NA **			None
62	44		OOOXOO				Yes	** NA **			None
63	43						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
64	42						Yes	** NA **			None
65	41						Yes	** NA **			None
66	40						Yes	** NA **			None
67	39		OOOXOO				Yes	** NA **			None
68	38		OOOXOO				Yes	** NA **			None
69	37		OOOXOO				Yes	** NA **			None
70	36		OOOXOO				Yes	** NA **			None
71	35						Yes	** NA **			None
72	34		OOOXOO				Yes	** NA **			None
73	33						Yes	** NA **			None
74	32		OOOXOO				Yes	** NA **			None
75	31						Yes	** NA **			None
76	30		OOOXOO				Yes	** NA **			None
77	29						Yes	** NA **			None
78	28						Yes	** NA **			None
79	27						Yes	** NA **			None
80	26						Yes	** NA **			None
81	25						Yes	** NA **			None
82	24						Yes	** NA **			None
83	23		OOOXOO				Yes	** NA **			None
84	22						Yes	** NA **			None
85	21		OOOXOO				Yes	** NA **			None
86	20						Yes	** NA **			None
87	19		OOOXOO				Yes	** NA **			None
88	18						Yes	** NA **			None
89	17						Yes	** NA **			None
90	16						Yes	** NA **			None
91	15						Yes	** NA **			None
92	14						Yes	** NA **			None
93	13						Yes	** NA **			None
94	12						Yes	** NA **			None
95	11		OOOXOO				Yes	** NA **			None
96	10		OOOXOO				Yes	** NA **			None
97	9		OOOXOO				Yes	** NA **			None
98	8		OOOXOO				Yes	** NA **			None
99	7						Yes	** NA **			None
100	6						Yes	** NA **			None
101	5						Yes	** NA **			None
102	4						Yes	** NA **			None
103	3						Yes	** NA **			None
104	2						Yes	** NA **			None
105	1						Yes	** NA **			None
106	MP BETA8						Yes	** NA **			None

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3

Member Point Loads (BLC 1 : Live Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	FACE1	Y	-.5	0

Member Point Loads (BLC 2 : Wind Load (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.109	6.5
2	MP ALPHA1	Z	.109	1.5
3	MP BETA1	Z	.099	6.5
4	MP BETA1	Z	.099	1.5
5	MP GAMMA1	Z	.099	6.5
6	MP GAMMA1	Z	.099	1.5
7	MP ALPHA7	Z	.109	6.5
8	MP ALPHA7	Z	.109	1.5
9	MP BETA7	Z	.099	6.5
10	MP BETA7	Z	.099	1.5
11	MP GAMMA7	Z	.099	6.5
12	MP GAMMA7	Z	.099	1.5
13	MP ALPHA4	Z	.319	6.5
14	MP ALPHA4	Z	.319	.5
15	MP BETA4	Z	.244	6.5
16	MP BETA4	Z	.244	.5
17	MP GAMMA4	Z	.244	6.5
18	MP GAMMA4	Z	.244	.5
19	MP ALPHA5	Z	.119	4
20	MP ALPHA5	Z	.119	2
21	MP BETA5	Z	.061	4
22	MP BETA5	Z	.061	2
23	MP GAMMA5	Z	.061	4
24	MP GAMMA5	Z	.061	2
25	MP BETA8	Z	.09	0
26	MP ALPHA1	Z	.01	4
27	MP BETA1	Z	.004	4
28	MP GAMMA1	Z	.004	4
29	MP ALPHA7	Z	.01	4
30	MP BETA7	Z	.004	4
31	MP GAMMA7	Z	.004	4
32	MP ALPHA4	Z	.06	3.5
33	MP BETA4	Z	.045	3.5
34	MP GAMMA4	Z	.045	3.5
35	MP ALPHA4	Z	.06	3.5
36	MP BETA4	Z	.039	3.5
37	MP GAMMA4	Z	.039	3.5
38	MP ALPHA4	Z	.008	3.5
39	MP BETA4	Z	.019	3.5
40	MP GAMMA4	Z	.019	3.5

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.016	6.5
2	MP ALPHA1	Y	-.016	1.5
3	MP BETA1	Y	-.016	6.5
4	MP BETA1	Y	-.016	1.5
5	MP GAMMA1	Y	-.016	6.5
6	MP GAMMA1	Y	-.016	1.5
7	MP ALPHA7	Y	-.016	6.5
8	MP ALPHA7	Y	-.016	1.5

Member Point Loads (BLC 3 : Dead Load) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
9	MP BETA7	Y	-.016	6.5
10	MP BETA7	Y	-.016	1.5
11	MP GAMMA7	Y	-.016	6.5
12	MP GAMMA7	Y	-.016	1.5
13	MP ALPHA4	Y	-.083	6.5
14	MP ALPHA4	Y	-.083	.5
15	MP BETA4	Y	-.083	6.5
16	MP BETA4	Y	-.083	.5
17	MP GAMMA4	Y	-.083	6.5
18	MP GAMMA4	Y	-.083	.5
19	MP ALPHA5	Y	-.041	4
20	MP ALPHA5	Y	-.041	2
21	MP BETA5	Y	-.041	4
22	MP BETA5	Y	-.041	2
23	MP GAMMA5	Y	-.041	4
24	MP GAMMA5	Y	-.041	2
25	MP BETA8	Y	-.032	0
26	MP ALPHA1	Y	-.003	4
27	MP BETA1	Y	-.003	4
28	MP GAMMA1	Y	-.003	4
29	MP ALPHA7	Y	-.003	4
30	MP BETA7	Y	-.003	4
31	MP GAMMA7	Y	-.003	4
32	MP ALPHA4	Y	-.084	3.5
33	MP BETA4	Y	-.084	3.5
34	MP GAMMA4	Y	-.084	3.5
35	MP ALPHA4	Y	-.07	3.5
36	MP BETA4	Y	-.07	3.5
37	MP GAMMA4	Y	-.07	3.5
38	MP ALPHA4	Y	-.067	3.5
39	MP BETA4	Y	-.067	3.5
40	MP GAMMA4	Y	-.067	3.5

Member Point Loads (BLC 4 : Wind Load (30))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	.092	6.5
2	MP ALPHA1	Z	.092	1.5
3	MP ALPHA1	X	-.053	6.5
4	MP ALPHA1	X	-.053	1.5
5	MP BETA1	Z	.083	6.5
6	MP BETA1	Z	.083	1.5
7	MP BETA1	X	-.048	6.5
8	MP BETA1	X	-.048	1.5
9	MP GAMMA1	Z	.092	6.5
10	MP GAMMA1	Z	.092	1.5
11	MP GAMMA1	X	-.053	6.5
12	MP GAMMA1	X	-.053	1.5
13	MP ALPHA7	Z	.092	6.5
14	MP ALPHA7	Z	.092	1.5
15	MP ALPHA7	X	-.053	6.5
16	MP ALPHA7	X	-.053	1.5
17	MP BETA7	Z	.083	6.5
18	MP BETA7	Z	.083	1.5
19	MP BETA7	X	-.048	6.5
20	MP BETA7	X	-.048	1.5
21	MP GAMMA7	Z	.092	6.5

Member Point Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	MP GAMMA7	Z	.092	1.5
23	MP GAMMA7	X	-.053	6.5
24	MP GAMMA7	X	-.053	1.5
25	MP ALPHA4	Z	.255	6.5
26	MP ALPHA4	Z	.255	.5
27	MP ALPHA4	X	-.147	6.5
28	MP ALPHA4	X	-.147	.5
29	MP BETA4	Z	.19	6.5
30	MP BETA4	Z	.19	.5
31	MP BETA4	X	-.11	6.5
32	MP BETA4	X	-.11	.5
33	MP GAMMA4	Z	.255	6.5
34	MP GAMMA4	Z	.255	.5
35	MP GAMMA4	X	-.147	6.5
36	MP GAMMA4	X	-.147	.5
37	MP ALPHA5	Z	.087	4
38	MP ALPHA5	Z	.087	2
39	MP ALPHA5	X	-.05	4
40	MP ALPHA5	X	-.05	2
41	MP BETA5	Z	.036	4
42	MP BETA5	Z	.036	2
43	MP BETA5	X	-.021	4
44	MP BETA5	X	-.021	2
45	MP GAMMA5	Z	.087	4
46	MP GAMMA5	Z	.087	2
47	MP GAMMA5	X	-.05	4
48	MP GAMMA5	X	-.05	2
49	MP BETA8	Z	.069	0
50	MP BETA8	X	-.04	0
51	MP ALPHA1	Z	.007	4
52	MP ALPHA1	X	-.004	4
53	MP BETA1	Z	.002	4
54	MP BETA1	X	-.001	4
55	MP GAMMA1	Z	.007	4
56	MP GAMMA1	X	-.004	4
57	MP ALPHA7	Z	.007	4
58	MP ALPHA7	X	-.004	4
59	MP BETA7	Z	.002	4
60	MP BETA7	X	-.001	4
61	MP GAMMA7	Z	.007	4
62	MP GAMMA7	X	-.004	4
63	MP ALPHA4	Z	.047	3.5
64	MP ALPHA4	X	-.027	3.5
65	MP BETA4	Z	.035	3.5
66	MP BETA4	X	-.02	3.5
67	MP GAMMA4	Z	.047	3.5
68	MP GAMMA4	X	-.027	3.5
69	MP ALPHA4	Z	.046	3.5
70	MP ALPHA4	X	-.026	3.5
71	MP BETA4	Z	.028	3.5
72	MP BETA4	X	-.016	3.5
73	MP GAMMA4	Z	.046	3.5
74	MP GAMMA4	X	-.026	3.5
75	MP ALPHA4	Z	.01	3.5
76	MP ALPHA4	X	-.006	3.5
77	MP BETA4	Z	.019	3.5
78	MP BETA4	X	-.011	3.5

Member Point Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
79	MP GAMMA4	Z	.01	3.5
80	MP GAMMA4	X	-.006	3.5

Member Point Loads (BLC 5 : Wind Load (60))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.05	6.5
2	MP ALPHA1	Z	.05	1.5
3	MP ALPHA1	X	-.086	6.5
4	MP ALPHA1	X	-.086	1.5
5	MP BETA1	Z	.05	6.5
6	MP BETA1	Z	.05	1.5
7	MP BETA1	X	-.086	6.5
8	MP BETA1	X	-.086	1.5
9	MP GAMMA1	Z	.055	6.5
10	MP GAMMA1	Z	.055	1.5
11	MP GAMMA1	X	-.095	6.5
12	MP GAMMA1	X	-.095	1.5
13	MP ALPHA7	Z	.05	6.5
14	MP ALPHA7	Z	.05	1.5
15	MP ALPHA7	X	-.086	6.5
16	MP ALPHA7	X	-.086	1.5
17	MP BETA7	Z	.05	6.5
18	MP BETA7	Z	.05	1.5
19	MP BETA7	X	-.086	6.5
20	MP BETA7	X	-.086	1.5
21	MP GAMMA7	Z	.055	6.5
22	MP GAMMA7	Z	.055	1.5
23	MP GAMMA7	X	-.095	6.5
24	MP GAMMA7	X	-.095	1.5
25	MP ALPHA4	Z	.122	6.5
26	MP ALPHA4	Z	.122	.5
27	MP ALPHA4	X	-.212	6.5
28	MP ALPHA4	X	-.212	.5
29	MP BETA4	Z	.122	6.5
30	MP BETA4	Z	.122	.5
31	MP BETA4	X	-.212	6.5
32	MP BETA4	X	-.212	.5
33	MP GAMMA4	Z	.16	6.5
34	MP GAMMA4	Z	.16	.5
35	MP GAMMA4	X	-.276	6.5
36	MP GAMMA4	X	-.276	.5
37	MP ALPHA5	Z	.03	4
38	MP ALPHA5	Z	.03	2
39	MP ALPHA5	X	-.053	4
40	MP ALPHA5	X	-.053	2
41	MP BETA5	Z	.03	4
42	MP BETA5	Z	.03	2
43	MP BETA5	X	-.053	4
44	MP BETA5	X	-.053	2
45	MP GAMMA5	Z	.06	4
46	MP GAMMA5	Z	.06	2
47	MP GAMMA5	X	-.103	4
48	MP GAMMA5	X	-.103	2
49	MP BETA8	Z	.045	0
50	MP BETA8	X	-.078	0
51	MP ALPHA1	Z	.002	4

Member Point Loads (BLC 5 : Wind Load (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
52	MP ALPHA1	X	-.004	4
53	MP BETA1	Z	.002	4
54	MP BETA1	X	-.004	4
55	MP GAMMA1	Z	.005	4
56	MP GAMMA1	X	-.009	4
57	MP ALPHA7	Z	.002	4
58	MP ALPHA7	X	-.004	4
59	MP BETA7	Z	.002	4
60	MP BETA7	X	-.004	4
61	MP GAMMA7	Z	.005	4
62	MP GAMMA7	X	-.009	4
63	MP ALPHA4	Z	.022	3.5
64	MP ALPHA4	X	-.039	3.5
65	MP BETA4	Z	.022	3.5
66	MP BETA4	X	-.039	3.5
67	MP GAMMA4	Z	.03	3.5
68	MP GAMMA4	X	-.052	3.5
69	MP ALPHA4	Z	.02	3.5
70	MP ALPHA4	X	-.034	3.5
71	MP BETA4	Z	.02	3.5
72	MP BETA4	X	-.034	3.5
73	MP GAMMA4	Z	.03	3.5
74	MP GAMMA4	X	-.052	3.5
75	MP ALPHA4	Z	.009	3.5
76	MP ALPHA4	X	-.016	3.5
77	MP BETA4	Z	.009	3.5
78	MP BETA4	X	-.016	3.5
79	MP GAMMA4	Z	.004	3.5
80	MP GAMMA4	X	-.007	3.5

Member Point Loads (BLC 6 : Wind Load (90))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.096	6.5
2	MP ALPHA1	X	-.096	1.5
3	MP BETA1	X	-.106	6.5
4	MP BETA1	X	-.106	1.5
5	MP GAMMA1	X	-.106	6.5
6	MP GAMMA1	X	-.106	1.5
7	MP ALPHA7	X	-.096	6.5
8	MP ALPHA7	X	-.096	1.5
9	MP BETA7	X	-.106	6.5
10	MP BETA7	X	-.106	1.5
11	MP GAMMA7	X	-.106	6.5
12	MP GAMMA7	X	-.106	1.5
13	MP ALPHA4	X	-.219	6.5
14	MP ALPHA4	X	-.219	.5
15	MP BETA4	X	-.294	6.5
16	MP BETA4	X	-.294	.5
17	MP GAMMA4	X	-.294	6.5
18	MP GAMMA4	X	-.294	.5
19	MP ALPHA5	X	-.041	4
20	MP ALPHA5	X	-.041	2
21	MP BETA5	X	-.1	4
22	MP BETA5	X	-.1	2
23	MP GAMMA5	X	-.1	4
24	MP GAMMA5	X	-.1	2

Member Point Loads (BLC 6 : Wind Load (90)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
25	MP BETA8	X	-.111	0
26	MP ALPHA1	X	-.002	4
27	MP BETA1	X	-.008	4
28	MP GAMMA1	X	-.008	4
29	MP ALPHA7	X	-.002	4
30	MP BETA7	X	-.008	4
31	MP GAMMA7	X	-.008	4
32	MP ALPHA4	X	-.04	3.5
33	MP BETA4	X	-.055	3.5
34	MP GAMMA4	X	-.055	3.5
35	MP ALPHA4	X	-.032	3.5
36	MP BETA4	X	-.053	3.5
37	MP GAMMA4	X	-.053	3.5
38	MP ALPHA4	X	-.022	3.5
39	MP BETA4	X	-.012	3.5
40	MP GAMMA4	X	-.012	3.5

Member Point Loads (BLC 7 : Wind Load (120))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	-.05	6.5
2	MP ALPHA1	Z	-.05	1.5
3	MP ALPHA1	X	-.086	6.5
4	MP ALPHA1	X	-.086	1.5
5	MP BETA1	Z	-.055	6.5
6	MP BETA1	Z	-.055	1.5
7	MP BETA1	X	-.095	6.5
8	MP BETA1	X	-.095	1.5
9	MP GAMMA1	Z	-.05	6.5
10	MP GAMMA1	Z	-.05	1.5
11	MP GAMMA1	X	-.086	6.5
12	MP GAMMA1	X	-.086	1.5
13	MP ALPHA7	Z	-.05	6.5
14	MP ALPHA7	Z	-.05	1.5
15	MP ALPHA7	X	-.086	6.5
16	MP ALPHA7	X	-.086	1.5
17	MP BETA7	Z	-.055	6.5
18	MP BETA7	Z	-.055	1.5
19	MP BETA7	X	-.095	6.5
20	MP BETA7	X	-.095	1.5
21	MP GAMMA7	Z	-.05	6.5
22	MP GAMMA7	Z	-.05	1.5
23	MP GAMMA7	X	-.086	6.5
24	MP GAMMA7	X	-.086	1.5
25	MP ALPHA4	Z	-.122	6.5
26	MP ALPHA4	Z	-.122	.5
27	MP ALPHA4	X	-.212	6.5
28	MP ALPHA4	X	-.212	.5
29	MP BETA4	Z	-.16	6.5
30	MP BETA4	Z	-.16	.5
31	MP BETA4	X	-.276	6.5
32	MP BETA4	X	-.276	.5
33	MP GAMMA4	Z	-.122	6.5
34	MP GAMMA4	Z	-.122	.5
35	MP GAMMA4	X	-.212	6.5
36	MP GAMMA4	X	-.212	.5
37	MP ALPHA5	Z	-.03	4

Member Point Loads (BLC 7 : Wind Load (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
38	MP ALPHA5	Z	-.03	2
39	MP ALPHA5	X	-.053	4
40	MP ALPHA5	X	-.053	2
41	MP BETA5	Z	-.06	4
42	MP BETA5	Z	-.06	2
43	MP BETA5	X	-.103	4
44	MP BETA5	X	-.103	2
45	MP GAMMA5	Z	-.03	4
46	MP GAMMA5	Z	-.03	2
47	MP GAMMA5	X	-.053	4
48	MP GAMMA5	X	-.053	2
49	MP BETA8	Z	-.06	0
50	MP BETA8	X	-.105	0
51	MP ALPHA1	Z	-.002	4
52	MP ALPHA1	X	-.004	4
53	MP BETA1	Z	-.005	4
54	MP BETA1	X	-.009	4
55	MP GAMMA1	Z	-.002	4
56	MP GAMMA1	X	-.004	4
57	MP ALPHA7	Z	-.002	4
58	MP ALPHA7	X	-.004	4
59	MP BETA7	Z	-.005	4
60	MP BETA7	X	-.009	4
61	MP GAMMA7	Z	-.002	4
62	MP GAMMA7	X	-.004	4
63	MP ALPHA4	Z	-.022	3.5
64	MP ALPHA4	X	-.039	3.5
65	MP BETA4	Z	-.03	3.5
66	MP BETA4	X	-.052	3.5
67	MP GAMMA4	Z	-.022	3.5
68	MP GAMMA4	X	-.039	3.5
69	MP ALPHA4	Z	-.02	3.5
70	MP ALPHA4	X	-.034	3.5
71	MP BETA4	Z	-.03	3.5
72	MP BETA4	X	-.052	3.5
73	MP GAMMA4	Z	-.02	3.5
74	MP GAMMA4	X	-.034	3.5
75	MP ALPHA4	Z	-.009	3.5
76	MP ALPHA4	X	-.016	3.5
77	MP BETA4	Z	-.004	3.5
78	MP BETA4	X	-.007	3.5
79	MP GAMMA4	Z	-.009	3.5
80	MP GAMMA4	X	-.016	3.5

Member Point Loads (BLC 8 : Wind Load (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	-.092	6.5
2	MP ALPHA1	Z	-.092	1.5
3	MP ALPHA1	X	-.053	6.5
4	MP ALPHA1	X	-.053	1.5
5	MP BETA1	Z	-.092	6.5
6	MP BETA1	Z	-.092	1.5
7	MP BETA1	X	-.053	6.5
8	MP BETA1	X	-.053	1.5
9	MP GAMMA1	Z	-.083	6.5
10	MP GAMMA1	Z	-.083	1.5

Member Point Loads (BLC 8 : Wind Load (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP GAMMA1	X	-.048	6.5
12	MP GAMMA1	X	-.048	1.5
13	MP ALPHA7	Z	-.092	6.5
14	MP ALPHA7	Z	-.092	1.5
15	MP ALPHA7	X	-.053	6.5
16	MP ALPHA7	X	-.053	1.5
17	MP BETA7	Z	-.092	6.5
18	MP BETA7	Z	-.092	1.5
19	MP BETA7	X	-.053	6.5
20	MP BETA7	X	-.053	1.5
21	MP GAMMA7	Z	-.083	6.5
22	MP GAMMA7	Z	-.083	1.5
23	MP GAMMA7	X	-.048	6.5
24	MP GAMMA7	X	-.048	1.5
25	MP ALPHA4	Z	-.255	6.5
26	MP ALPHA4	Z	-.255	.5
27	MP ALPHA4	X	-.147	6.5
28	MP ALPHA4	X	-.147	.5
29	MP BETA4	Z	-.255	6.5
30	MP BETA4	Z	-.255	.5
31	MP BETA4	X	-.147	6.5
32	MP BETA4	X	-.147	.5
33	MP GAMMA4	Z	-.19	6.5
34	MP GAMMA4	Z	-.19	.5
35	MP GAMMA4	X	-.11	6.5
36	MP GAMMA4	X	-.11	.5
37	MP ALPHA5	Z	-.087	4
38	MP ALPHA5	Z	-.087	2
39	MP ALPHA5	X	-.05	4
40	MP ALPHA5	X	-.05	2
41	MP BETA5	Z	-.087	4
42	MP BETA5	Z	-.087	2
43	MP BETA5	X	-.05	4
44	MP BETA5	X	-.05	2
45	MP GAMMA5	Z	-.036	4
46	MP GAMMA5	Z	-.036	2
47	MP GAMMA5	X	-.021	4
48	MP GAMMA5	X	-.021	2
49	MP BETA8	Z	-.096	0
50	MP BETA8	X	-.055	0
51	MP ALPHA1	Z	-.007	4
52	MP ALPHA1	X	-.004	4
53	MP BETA1	Z	-.007	4
54	MP BETA1	X	-.004	4
55	MP GAMMA1	Z	-.002	4
56	MP GAMMA1	X	-.001	4
57	MP ALPHA7	Z	-.007	4
58	MP ALPHA7	X	-.004	4
59	MP BETA7	Z	-.007	4
60	MP BETA7	X	-.004	4
61	MP GAMMA7	Z	-.002	4
62	MP GAMMA7	X	-.001	4
63	MP ALPHA4	Z	-.047	3.5
64	MP ALPHA4	X	-.027	3.5
65	MP BETA4	Z	-.047	3.5
66	MP BETA4	X	-.027	3.5
67	MP GAMMA4	Z	-.035	3.5

Member Point Loads (BLC 8 : Wind Load (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
68	MP GAMMA4	X	-.02	3.5
69	MP ALPHA4	Z	-.046	3.5
70	MP ALPHA4	X	-.026	3.5
71	MP BETA4	Z	-.046	3.5
72	MP BETA4	X	-.026	3.5
73	MP GAMMA4	Z	-.028	3.5
74	MP GAMMA4	X	-.016	3.5
75	MP ALPHA4	Z	-.01	3.5
76	MP ALPHA4	X	-.006	3.5
77	MP BETA4	Z	-.01	3.5
78	MP BETA4	X	-.006	3.5
79	MP GAMMA4	Z	-.019	3.5
80	MP GAMMA4	X	-.011	3.5

Member Point Loads (BLC 9 : Wind Load (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.109	6.5
2	MP ALPHA1	Z	-.109	1.5
3	MP BETA1	Z	-.099	6.5
4	MP BETA1	Z	-.099	1.5
5	MP GAMMA1	Z	-.099	6.5
6	MP GAMMA1	Z	-.099	1.5
7	MP ALPHA7	Z	-.109	6.5
8	MP ALPHA7	Z	-.109	1.5
9	MP BETA7	Z	-.099	6.5
10	MP BETA7	Z	-.099	1.5
11	MP GAMMA7	Z	-.099	6.5
12	MP GAMMA7	Z	-.099	1.5
13	MP ALPHA4	Z	-.319	6.5
14	MP ALPHA4	Z	-.319	.5
15	MP BETA4	Z	-.244	6.5
16	MP BETA4	Z	-.244	.5
17	MP GAMMA4	Z	-.244	6.5
18	MP GAMMA4	Z	-.244	.5
19	MP ALPHA5	Z	-.119	4
20	MP ALPHA5	Z	-.119	2
21	MP BETA5	Z	-.061	4
22	MP BETA5	Z	-.061	2
23	MP GAMMA5	Z	-.061	4
24	MP GAMMA5	Z	-.061	2
25	MP BETA8	Z	-.09	0
26	MP ALPHA1	Z	-.01	4
27	MP BETA1	Z	-.004	4
28	MP GAMMA1	Z	-.004	4
29	MP ALPHA7	Z	-.01	4
30	MP BETA7	Z	-.004	4
31	MP GAMMA7	Z	-.004	4
32	MP ALPHA4	Z	-.06	3.5
33	MP BETA4	Z	-.045	3.5
34	MP GAMMA4	Z	-.045	3.5
35	MP ALPHA4	Z	-.06	3.5
36	MP BETA4	Z	-.039	3.5
37	MP GAMMA4	Z	-.039	3.5
38	MP ALPHA4	Z	-.008	3.5
39	MP BETA4	Z	-.019	3.5
40	MP GAMMA4	Z	-.019	3.5

Member Point Loads (BLC 10 : Wind Load (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	-.092	6.5
2	MP ALPHA1	Z	-.092	1.5
3	MP ALPHA1	X	.053	6.5
4	MP ALPHA1	X	.053	1.5
5	MP BETA1	Z	-.083	6.5
6	MP BETA1	Z	-.083	1.5
7	MP BETA1	X	.048	6.5
8	MP BETA1	X	.048	1.5
9	MP GAMMA1	Z	-.092	6.5
10	MP GAMMA1	Z	-.092	1.5
11	MP GAMMA1	X	.053	6.5
12	MP GAMMA1	X	.053	1.5
13	MP ALPHA7	Z	-.092	6.5
14	MP ALPHA7	Z	-.092	1.5
15	MP ALPHA7	X	.053	6.5
16	MP ALPHA7	X	.053	1.5
17	MP BETA7	Z	-.083	6.5
18	MP BETA7	Z	-.083	1.5
19	MP BETA7	X	.048	6.5
20	MP BETA7	X	.048	1.5
21	MP GAMMA7	Z	-.092	6.5
22	MP GAMMA7	Z	-.092	1.5
23	MP GAMMA7	X	.053	6.5
24	MP GAMMA7	X	.053	1.5
25	MP ALPHA4	Z	-.255	6.5
26	MP ALPHA4	Z	-.255	.5
27	MP ALPHA4	X	.147	6.5
28	MP ALPHA4	X	.147	.5
29	MP BETA4	Z	-.19	6.5
30	MP BETA4	Z	-.19	.5
31	MP BETA4	X	.11	6.5
32	MP BETA4	X	.11	.5
33	MP GAMMA4	Z	-.255	6.5
34	MP GAMMA4	Z	-.255	.5
35	MP GAMMA4	X	.147	6.5
36	MP GAMMA4	X	.147	.5
37	MP ALPHA5	Z	-.087	4
38	MP ALPHA5	Z	-.087	2
39	MP ALPHA5	X	.05	4
40	MP ALPHA5	X	.05	2
41	MP BETA5	Z	-.036	4
42	MP BETA5	Z	-.036	2
43	MP BETA5	X	.021	4
44	MP BETA5	X	.021	2
45	MP GAMMA5	Z	-.087	4
46	MP GAMMA5	Z	-.087	2
47	MP GAMMA5	X	.05	4
48	MP GAMMA5	X	.05	2
49	MP BETA8	Z	-.069	0
50	MP BETA8	X	.04	0
51	MP ALPHA1	Z	-.007	4
52	MP ALPHA1	X	.004	4
53	MP BETA1	Z	-.002	4
54	MP BETA1	X	.001	4
55	MP GAMMA1	Z	-.007	4
56	MP GAMMA1	X	.004	4
57	MP ALPHA7	Z	-.007	4

Member Point Loads (BLC 10 : Wind Load (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP ALPHA7	X	.004	4
59	MP BETA7	Z	-.002	4
60	MP BETA7	X	.001	4
61	MP GAMMA7	Z	-.007	4
62	MP GAMMA7	X	.004	4
63	MP ALPHA4	Z	-.047	3.5
64	MP ALPHA4	X	.027	3.5
65	MP BETA4	Z	-.035	3.5
66	MP BETA4	X	.02	3.5
67	MP GAMMA4	Z	-.047	3.5
68	MP GAMMA4	X	.027	3.5
69	MP ALPHA4	Z	-.046	3.5
70	MP ALPHA4	X	.026	3.5
71	MP BETA4	Z	-.028	3.5
72	MP BETA4	X	.016	3.5
73	MP GAMMA4	Z	-.046	3.5
74	MP GAMMA4	X	.026	3.5
75	MP ALPHA4	Z	-.01	3.5
76	MP ALPHA4	X	.006	3.5
77	MP BETA4	Z	-.019	3.5
78	MP BETA4	X	.011	3.5
79	MP GAMMA4	Z	-.01	3.5
80	MP GAMMA4	X	.006	3.5

Member Point Loads (BLC 11 : Wind Load (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.05	6.5
2	MP ALPHA1	Z	-.05	1.5
3	MP ALPHA1	X	.086	6.5
4	MP ALPHA1	X	.086	1.5
5	MP BETA1	Z	-.05	6.5
6	MP BETA1	Z	-.05	1.5
7	MP BETA1	X	.086	6.5
8	MP BETA1	X	.086	1.5
9	MP GAMMA1	Z	-.055	6.5
10	MP GAMMA1	Z	-.055	1.5
11	MP GAMMA1	X	.095	6.5
12	MP GAMMA1	X	.095	1.5
13	MP ALPHA7	Z	-.05	6.5
14	MP ALPHA7	Z	-.05	1.5
15	MP ALPHA7	X	.086	6.5
16	MP ALPHA7	X	.086	1.5
17	MP BETA7	Z	-.05	6.5
18	MP BETA7	Z	-.05	1.5
19	MP BETA7	X	.086	6.5
20	MP BETA7	X	.086	1.5
21	MP GAMMA7	Z	-.055	6.5
22	MP GAMMA7	Z	-.055	1.5
23	MP GAMMA7	X	.095	6.5
24	MP GAMMA7	X	.095	1.5
25	MP ALPHA4	Z	-.122	6.5
26	MP ALPHA4	Z	-.122	.5
27	MP ALPHA4	X	.212	6.5
28	MP ALPHA4	X	.212	.5
29	MP BETA4	Z	-.122	6.5
30	MP BETA4	Z	-.122	.5

Member Point Loads (BLC 11 : Wind Load (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
31	MP BETA4	X	.212	6.5
32	MP BETA4	X	.212	.5
33	MP GAMMA4	Z	-.16	6.5
34	MP GAMMA4	Z	-.16	.5
35	MP GAMMA4	X	.276	6.5
36	MP GAMMA4	X	.276	.5
37	MP ALPHA5	Z	-.03	4
38	MP ALPHA5	Z	-.03	2
39	MP ALPHA5	X	.053	4
40	MP ALPHA5	X	.053	2
41	MP BETA5	Z	-.03	4
42	MP BETA5	Z	-.03	2
43	MP BETA5	X	.053	4
44	MP BETA5	X	.053	2
45	MP GAMMA5	Z	-.06	4
46	MP GAMMA5	Z	-.06	2
47	MP GAMMA5	X	.103	4
48	MP GAMMA5	X	.103	2
49	MP BETA8	Z	-.045	0
50	MP BETA8	X	.078	0
51	MP ALPHA1	Z	-.002	4
52	MP ALPHA1	X	.004	4
53	MP BETA1	Z	-.002	4
54	MP BETA1	X	.004	4
55	MP GAMMA1	Z	-.005	4
56	MP GAMMA1	X	.009	4
57	MP ALPHA7	Z	-.002	4
58	MP ALPHA7	X	.004	4
59	MP BETA7	Z	-.002	4
60	MP BETA7	X	.004	4
61	MP GAMMA7	Z	-.005	4
62	MP GAMMA7	X	.009	4
63	MP ALPHA4	Z	-.022	3.5
64	MP ALPHA4	X	.039	3.5
65	MP BETA4	Z	-.022	3.5
66	MP BETA4	X	.039	3.5
67	MP GAMMA4	Z	-.03	3.5
68	MP GAMMA4	X	.052	3.5
69	MP ALPHA4	Z	-.02	3.5
70	MP ALPHA4	X	.034	3.5
71	MP BETA4	Z	-.02	3.5
72	MP BETA4	X	.034	3.5
73	MP GAMMA4	Z	-.03	3.5
74	MP GAMMA4	X	.052	3.5
75	MP ALPHA4	Z	-.009	3.5
76	MP ALPHA4	X	.016	3.5
77	MP BETA4	Z	-.009	3.5
78	MP BETA4	X	.016	3.5
79	MP GAMMA4	Z	-.004	3.5
80	MP GAMMA4	X	.007	3.5

Member Point Loads (BLC 12 : Wind Load (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.096	6.5
2	MP ALPHA1	X	.096	1.5
3	MP BETA1	X	.106	6.5

Member Point Loads (BLC 12 : Wind Load (270)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
4	MP BETA1	X	.106	1.5
5	MP GAMMA1	X	.106	6.5
6	MP GAMMA1	X	.106	1.5
7	MP ALPHA7	X	.096	6.5
8	MP ALPHA7	X	.096	1.5
9	MP BETA7	X	.106	6.5
10	MP BETA7	X	.106	1.5
11	MP GAMMA7	X	.106	6.5
12	MP GAMMA7	X	.106	1.5
13	MP ALPHA4	X	.219	6.5
14	MP ALPHA4	X	.219	.5
15	MP BETA4	X	.294	6.5
16	MP BETA4	X	.294	.5
17	MP GAMMA4	X	.294	6.5
18	MP GAMMA4	X	.294	.5
19	MP ALPHA5	X	.041	4
20	MP ALPHA5	X	.041	2
21	MP BETA5	X	.1	4
22	MP BETA5	X	.1	2
23	MP GAMMA5	X	.1	4
24	MP GAMMA5	X	.1	2
25	MP BETA8	X	.111	0
26	MP ALPHA1	X	.002	4
27	MP BETA1	X	.008	4
28	MP GAMMA1	X	.008	4
29	MP ALPHA7	X	.002	4
30	MP BETA7	X	.008	4
31	MP GAMMA7	X	.008	4
32	MP ALPHA4	X	.04	3.5
33	MP BETA4	X	.055	3.5
34	MP GAMMA4	X	.055	3.5
35	MP ALPHA4	X	.032	3.5
36	MP BETA4	X	.053	3.5
37	MP GAMMA4	X	.053	3.5
38	MP ALPHA4	X	.022	3.5
39	MP BETA4	X	.012	3.5
40	MP GAMMA4	X	.012	3.5

Member Point Loads (BLC 13 : Wind Load (300))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.05	6.5
2	MP ALPHA1	Z	.05	1.5
3	MP ALPHA1	X	.086	6.5
4	MP ALPHA1	X	.086	1.5
5	MP BETA1	Z	.055	6.5
6	MP BETA1	Z	.055	1.5
7	MP BETA1	X	.095	6.5
8	MP BETA1	X	.095	1.5
9	MP GAMMA1	Z	.05	6.5
10	MP GAMMA1	Z	.05	1.5
11	MP GAMMA1	X	.086	6.5
12	MP GAMMA1	X	.086	1.5
13	MP ALPHA7	Z	.05	6.5
14	MP ALPHA7	Z	.05	1.5
15	MP ALPHA7	X	.086	6.5
16	MP ALPHA7	X	.086	1.5

Member Point Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
17	MP BETA7	Z	.055	6.5
18	MP BETA7	Z	.055	1.5
19	MP BETA7	X	.095	6.5
20	MP BETA7	X	.095	1.5
21	MP GAMMA7	Z	.05	6.5
22	MP GAMMA7	Z	.05	1.5
23	MP GAMMA7	X	.086	6.5
24	MP GAMMA7	X	.086	1.5
25	MP ALPHA4	Z	.122	6.5
26	MP ALPHA4	Z	.122	.5
27	MP ALPHA4	X	.212	6.5
28	MP ALPHA4	X	.212	.5
29	MP BETA4	Z	.16	6.5
30	MP BETA4	Z	.16	.5
31	MP BETA4	X	.276	6.5
32	MP BETA4	X	.276	.5
33	MP GAMMA4	Z	.122	6.5
34	MP GAMMA4	Z	.122	.5
35	MP GAMMA4	X	.212	6.5
36	MP GAMMA4	X	.212	.5
37	MP ALPHA5	Z	.03	4
38	MP ALPHA5	Z	.03	2
39	MP ALPHA5	X	.053	4
40	MP ALPHA5	X	.053	2
41	MP BETA5	Z	.06	4
42	MP BETA5	Z	.06	2
43	MP BETA5	X	.103	4
44	MP BETA5	X	.103	2
45	MP GAMMA5	Z	.03	4
46	MP GAMMA5	Z	.03	2
47	MP GAMMA5	X	.053	4
48	MP GAMMA5	X	.053	2
49	MP BETA8	Z	.06	0
50	MP BETA8	X	.105	0
51	MP ALPHA1	Z	.002	4
52	MP ALPHA1	X	.004	4
53	MP BETA1	Z	.005	4
54	MP BETA1	X	.009	4
55	MP GAMMA1	Z	.002	4
56	MP GAMMA1	X	.004	4
57	MP ALPHA7	Z	.002	4
58	MP ALPHA7	X	.004	4
59	MP BETA7	Z	.005	4
60	MP BETA7	X	.009	4
61	MP GAMMA7	Z	.002	4
62	MP GAMMA7	X	.004	4
63	MP ALPHA4	Z	.022	3.5
64	MP ALPHA4	X	.039	3.5
65	MP BETA4	Z	.03	3.5
66	MP BETA4	X	.052	3.5
67	MP GAMMA4	Z	.022	3.5
68	MP GAMMA4	X	.039	3.5
69	MP ALPHA4	Z	.02	3.5
70	MP ALPHA4	X	.034	3.5
71	MP BETA4	Z	.03	3.5
72	MP BETA4	X	.052	3.5
73	MP GAMMA4	Z	.02	3.5

Member Point Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
74	MP GAMMA4	X	.034	3.5
75	MP ALPHA4	Z	.009	3.5
76	MP ALPHA4	X	.016	3.5
77	MP BETA4	Z	.004	3.5
78	MP BETA4	X	.007	3.5
79	MP GAMMA4	Z	.009	3.5
80	MP GAMMA4	X	.016	3.5

Member Point Loads (BLC 14 : Wind Load (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.092	6.5
2	MP ALPHA1	Z	.092	1.5
3	MP ALPHA1	X	.053	6.5
4	MP ALPHA1	X	.053	1.5
5	MP BETA1	Z	.092	6.5
6	MP BETA1	Z	.092	1.5
7	MP BETA1	X	.053	6.5
8	MP BETA1	X	.053	1.5
9	MP GAMMA1	Z	.083	6.5
10	MP GAMMA1	Z	.083	1.5
11	MP GAMMA1	X	.048	6.5
12	MP GAMMA1	X	.048	1.5
13	MP ALPHA7	Z	.092	6.5
14	MP ALPHA7	Z	.092	1.5
15	MP ALPHA7	X	.053	6.5
16	MP ALPHA7	X	.053	1.5
17	MP BETA7	Z	.092	6.5
18	MP BETA7	Z	.092	1.5
19	MP BETA7	X	.053	6.5
20	MP BETA7	X	.053	1.5
21	MP GAMMA7	Z	.083	6.5
22	MP GAMMA7	Z	.083	1.5
23	MP GAMMA7	X	.048	6.5
24	MP GAMMA7	X	.048	1.5
25	MP ALPHA4	Z	.255	6.5
26	MP ALPHA4	Z	.255	.5
27	MP ALPHA4	X	.147	6.5
28	MP ALPHA4	X	.147	.5
29	MP BETA4	Z	.255	6.5
30	MP BETA4	Z	.255	.5
31	MP BETA4	X	.147	6.5
32	MP BETA4	X	.147	.5
33	MP GAMMA4	Z	.19	6.5
34	MP GAMMA4	Z	.19	.5
35	MP GAMMA4	X	.11	6.5
36	MP GAMMA4	X	.11	.5
37	MP ALPHA5	Z	.087	4
38	MP ALPHA5	Z	.087	2
39	MP ALPHA5	X	.05	4
40	MP ALPHA5	X	.05	2
41	MP BETA5	Z	.087	4
42	MP BETA5	Z	.087	2
43	MP BETA5	X	.05	4
44	MP BETA5	X	.05	2
45	MP GAMMA5	Z	.036	4
46	MP GAMMA5	Z	.036	2

Member Point Loads (BLC 14 : Wind Load (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
47	MP GAMMA5	X	.021	4
48	MP GAMMA5	X	.021	2
49	MP BETA8	Z	.096	0
50	MP BETA8	X	.055	0
51	MP ALPHA1	Z	.007	4
52	MP ALPHA1	X	.004	4
53	MP BETA1	Z	.007	4
54	MP BETA1	X	.004	4
55	MP GAMMA1	Z	.002	4
56	MP GAMMA1	X	.001	4
57	MP ALPHA7	Z	.007	4
58	MP ALPHA7	X	.004	4
59	MP BETA7	Z	.007	4
60	MP BETA7	X	.004	4
61	MP GAMMA7	Z	.002	4
62	MP GAMMA7	X	.001	4
63	MP ALPHA4	Z	.047	3.5
64	MP ALPHA4	X	.027	3.5
65	MP BETA4	Z	.047	3.5
66	MP BETA4	X	.027	3.5
67	MP GAMMA4	Z	.035	3.5
68	MP GAMMA4	X	.02	3.5
69	MP ALPHA4	Z	.046	3.5
70	MP ALPHA4	X	.026	3.5
71	MP BETA4	Z	.046	3.5
72	MP BETA4	X	.026	3.5
73	MP GAMMA4	Z	.028	3.5
74	MP GAMMA4	X	.016	3.5
75	MP ALPHA4	Z	.01	3.5
76	MP ALPHA4	X	.006	3.5
77	MP BETA4	Z	.01	3.5
78	MP BETA4	X	.006	3.5
79	MP GAMMA4	Z	.019	3.5
80	MP GAMMA4	X	.011	3.5

Member Point Loads (BLC 15 : Maintenance (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	.007	6.5
2	MP ALPHA1	Z	.007	1.5
3	MP BETA1	Z	.007	6.5
4	MP BETA1	Z	.007	1.5
5	MP GAMMA1	Z	.007	6.5
6	MP GAMMA1	Z	.007	1.5
7	MP ALPHA7	Z	.007	6.5
8	MP ALPHA7	Z	.007	1.5
9	MP BETA7	Z	.007	6.5
10	MP BETA7	Z	.007	1.5
11	MP GAMMA7	Z	.007	6.5
12	MP GAMMA7	Z	.007	1.5
13	MP ALPHA4	Z	.021	6.5
14	MP ALPHA4	Z	.021	.5
15	MP BETA4	Z	.016	6.5
16	MP BETA4	Z	.016	.5
17	MP GAMMA4	Z	.016	6.5
18	MP GAMMA4	Z	.016	.5
19	MP ALPHA5	Z	.008	4

Member Point Loads (BLC 15 : Maintenance (0)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
20	MP ALPHA5	Z	.008	2
21	MP BETA5	Z	.004	4
22	MP BETA5	Z	.004	2
23	MP GAMMA5	Z	.004	4
24	MP GAMMA5	Z	.004	2
25	MP BETA8	Z	.006	0
26	MP ALPHA1	Z	.00067	4
27	MP BETA1	Z	.000289	4
28	MP GAMMA1	Z	.000289	4
29	MP ALPHA7	Z	.00067	4
30	MP BETA7	Z	.000289	4
31	MP GAMMA7	Z	.000289	4
32	MP ALPHA4	Z	.004	3.5
33	MP BETA4	Z	.003	3.5
34	MP GAMMA4	Z	.003	3.5
35	MP ALPHA4	Z	.004	3.5
36	MP BETA4	Z	.003	3.5
37	MP GAMMA4	Z	.003	3.5
38	MP ALPHA4	Z	.000542	3.5
39	MP BETA4	Z	.001	3.5
40	MP GAMMA4	Z	.001	3.5

Member Point Loads (BLC 16 : Maintenance (30))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	.006	6.5
2	MP ALPHA1	Z	.006	1.5
3	MP ALPHA1	X	-.004	6.5
4	MP ALPHA1	X	-.004	1.5
5	MP BETA1	Z	.006	6.5
6	MP BETA1	Z	.006	1.5
7	MP BETA1	X	-.003	6.5
8	MP BETA1	X	-.003	1.5
9	MP GAMMA1	Z	.006	6.5
10	MP GAMMA1	Z	.006	1.5
11	MP GAMMA1	X	-.004	6.5
12	MP GAMMA1	X	-.004	1.5
13	MP ALPHA7	Z	.006	6.5
14	MP ALPHA7	Z	.006	1.5
15	MP ALPHA7	X	-.004	6.5
16	MP ALPHA7	X	-.004	1.5
17	MP BETA7	Z	.006	6.5
18	MP BETA7	Z	.006	1.5
19	MP BETA7	X	-.003	6.5
20	MP BETA7	X	-.003	1.5
21	MP GAMMA7	Z	.006	6.5
22	MP GAMMA7	Z	.006	1.5
23	MP GAMMA7	X	-.004	6.5
24	MP GAMMA7	X	-.004	1.5
25	MP ALPHA4	Z	.017	6.5
26	MP ALPHA4	Z	.017	.5
27	MP ALPHA4	X	-.01	6.5
28	MP ALPHA4	X	-.01	.5
29	MP BETA4	Z	.013	6.5
30	MP BETA4	Z	.013	.5
31	MP BETA4	X	-.007	6.5
32	MP BETA4	X	-.007	.5

Member Point Loads (BLC 16 : Maintenance (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
33	MP GAMMA4	Z	.017	6.5
34	MP GAMMA4	Z	.017	.5
35	MP GAMMA4	X	-.01	6.5
36	MP GAMMA4	X	-.01	.5
37	MP ALPHA5	Z	.006	4
38	MP ALPHA5	Z	.006	2
39	MP ALPHA5	X	-.003	4
40	MP ALPHA5	X	-.003	2
41	MP BETA5	Z	.002	4
42	MP BETA5	Z	.002	2
43	MP BETA5	X	-.001	4
44	MP BETA5	X	-.001	2
45	MP GAMMA5	Z	.006	4
46	MP GAMMA5	Z	.006	2
47	MP GAMMA5	X	-.003	4
48	MP GAMMA5	X	-.003	2
49	MP BETA8	Z	.005	0
50	MP BETA8	X	-.003	0
51	MP ALPHA1	Z	.00047	4
52	MP ALPHA1	X	-.000272	4
53	MP BETA1	Z	.000141	4
54	MP BETA1	X	-8.1e-5	4
55	MP GAMMA1	Z	.00047	4
56	MP GAMMA1	X	-.000272	4
57	MP ALPHA7	Z	.00047	4
58	MP ALPHA7	X	-.000272	4
59	MP BETA7	Z	.000141	4
60	MP BETA7	X	-8.1e-5	4
61	MP GAMMA7	Z	.00047	4
62	MP GAMMA7	X	-.000272	4
63	MP ALPHA4	Z	.003	3.5
64	MP ALPHA4	X	-.002	3.5
65	MP BETA4	Z	.002	3.5
66	MP BETA4	X	-.001	3.5
67	MP GAMMA4	Z	.003	3.5
68	MP GAMMA4	X	-.002	3.5
69	MP ALPHA4	Z	.003	3.5
70	MP ALPHA4	X	-.002	3.5
71	MP BETA4	Z	.002	3.5
72	MP BETA4	X	-.001	3.5
73	MP GAMMA4	Z	.003	3.5
74	MP GAMMA4	X	-.002	3.5
75	MP ALPHA4	Z	.000672	3.5
76	MP ALPHA4	X	-.000388	3.5
77	MP BETA4	Z	.001	3.5
78	MP BETA4	X	-.000739	3.5
79	MP GAMMA4	Z	.000672	3.5
80	MP GAMMA4	X	-.000388	3.5

Member Point Loads (BLC 17 : Maintenance (60))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.003	6.5
2	MP ALPHA1	Z	.003	1.5
3	MP ALPHA1	X	-.006	6.5
4	MP ALPHA1	X	-.006	1.5
5	MP BETA1	Z	.003	6.5

Member Point Loads (BLC 17 : Maintenance (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
6	MP BETA1	Z	.003	1.5
7	MP BETA1	X	-.006	6.5
8	MP BETA1	X	-.006	1.5
9	MP GAMMA1	Z	.004	6.5
10	MP GAMMA1	Z	.004	1.5
11	MP GAMMA1	X	-.006	6.5
12	MP GAMMA1	X	-.006	1.5
13	MP ALPHA7	Z	.003	6.5
14	MP ALPHA7	Z	.003	1.5
15	MP ALPHA7	X	-.006	6.5
16	MP ALPHA7	X	-.006	1.5
17	MP BETA7	Z	.003	6.5
18	MP BETA7	Z	.003	1.5
19	MP BETA7	X	-.006	6.5
20	MP BETA7	X	-.006	1.5
21	MP GAMMA7	Z	.004	6.5
22	MP GAMMA7	Z	.004	1.5
23	MP GAMMA7	X	-.006	6.5
24	MP GAMMA7	X	-.006	1.5
25	MP ALPHA4	Z	.008	6.5
26	MP ALPHA4	Z	.008	.5
27	MP ALPHA4	X	-.014	6.5
28	MP ALPHA4	X	-.014	.5
29	MP BETA4	Z	.008	6.5
30	MP BETA4	Z	.008	.5
31	MP BETA4	X	-.014	6.5
32	MP BETA4	X	-.014	.5
33	MP GAMMA4	Z	.011	6.5
34	MP GAMMA4	Z	.011	.5
35	MP GAMMA4	X	-.018	6.5
36	MP GAMMA4	X	-.018	.5
37	MP ALPHA5	Z	.002	4
38	MP ALPHA5	Z	.002	2
39	MP ALPHA5	X	-.004	4
40	MP ALPHA5	X	-.004	2
41	MP BETA5	Z	.002	4
42	MP BETA5	Z	.002	2
43	MP BETA5	X	-.004	4
44	MP BETA5	X	-.004	2
45	MP GAMMA5	Z	.004	4
46	MP GAMMA5	Z	.004	2
47	MP GAMMA5	X	-.007	4
48	MP GAMMA5	X	-.007	2
49	MP BETA8	Z	.003	0
50	MP BETA8	X	-.005	0
51	MP ALPHA1	Z	.000145	4
52	MP ALPHA1	X	-.000251	4
53	MP BETA1	Z	.000145	4
54	MP BETA1	X	-.000251	4
55	MP GAMMA1	Z	.000335	4
56	MP GAMMA1	X	-.00058	4
57	MP ALPHA7	Z	.000145	4
58	MP ALPHA7	X	-.000251	4
59	MP BETA7	Z	.000145	4
60	MP BETA7	X	-.000251	4
61	MP GAMMA7	Z	.000335	4
62	MP GAMMA7	X	-.00058	4

Member Point Loads (BLC 17 : Maintenance (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
63	MP ALPHA4	Z	.002	3.5
64	MP ALPHA4	X	-.003	3.5
65	MP BETA4	Z	.002	3.5
66	MP BETA4	X	-.003	3.5
67	MP GAMMA4	Z	.002	3.5
68	MP GAMMA4	X	-.003	3.5
69	MP ALPHA4	Z	.001	3.5
70	MP ALPHA4	X	-.002	3.5
71	MP BETA4	Z	.001	3.5
72	MP BETA4	X	-.002	3.5
73	MP GAMMA4	Z	.002	3.5
74	MP GAMMA4	X	-.003	3.5
75	MP ALPHA4	Z	.000622	3.5
76	MP ALPHA4	X	-.001	3.5
77	MP BETA4	Z	.000622	3.5
78	MP BETA4	X	-.001	3.5
79	MP GAMMA4	Z	.000271	3.5
80	MP GAMMA4	X	-.00047	3.5

Member Point Loads (BLC 18 : Maintenance (90))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.006	6.5
2	MP ALPHA1	X	-.006	1.5
3	MP BETA1	X	-.007	6.5
4	MP BETA1	X	-.007	1.5
5	MP GAMMA1	X	-.007	6.5
6	MP GAMMA1	X	-.007	1.5
7	MP ALPHA7	X	-.006	6.5
8	MP ALPHA7	X	-.006	1.5
9	MP BETA7	X	-.007	6.5
10	MP BETA7	X	-.007	1.5
11	MP GAMMA7	X	-.007	6.5
12	MP GAMMA7	X	-.007	1.5
13	MP ALPHA4	X	-.015	6.5
14	MP ALPHA4	X	-.015	.5
15	MP BETA4	X	-.02	6.5
16	MP BETA4	X	-.02	.5
17	MP GAMMA4	X	-.02	6.5
18	MP GAMMA4	X	-.02	.5
19	MP ALPHA5	X	-.003	4
20	MP ALPHA5	X	-.003	2
21	MP BETA5	X	-.007	4
22	MP BETA5	X	-.007	2
23	MP GAMMA5	X	-.007	4
24	MP GAMMA5	X	-.007	2
25	MP BETA8	X	-.007	0
26	MP ALPHA1	X	-.000162	4
27	MP BETA1	X	-.000543	4
28	MP GAMMA1	X	-.000543	4
29	MP ALPHA7	X	-.000162	4
30	MP BETA7	X	-.000543	4
31	MP GAMMA7	X	-.000543	4
32	MP ALPHA4	X	-.003	3.5
33	MP BETA4	X	-.004	3.5
34	MP GAMMA4	X	-.004	3.5
35	MP ALPHA4	X	-.002	3.5

Member Point Loads (BLC 18 : Maintenance (90)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
36	MP BETA4	X	-.004	3.5
37	MP GAMMA4	X	-.004	3.5
38	MP ALPHA4	X	-.001	3.5
39	MP BETA4	X	-.000776	3.5
40	MP GAMMA4	X	-.000776	3.5

Member Point Loads (BLC 19 : Maintenance (120))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.003	6.5
2	MP ALPHA1	Z	-.003	1.5
3	MP ALPHA1	X	-.006	6.5
4	MP ALPHA1	X	-.006	1.5
5	MP BETA1	Z	-.004	6.5
6	MP BETA1	Z	-.004	1.5
7	MP BETA1	X	-.006	6.5
8	MP BETA1	X	-.006	1.5
9	MP GAMMA1	Z	-.003	6.5
10	MP GAMMA1	Z	-.003	1.5
11	MP GAMMA1	X	-.006	6.5
12	MP GAMMA1	X	-.006	1.5
13	MP ALPHA7	Z	-.003	6.5
14	MP ALPHA7	Z	-.003	1.5
15	MP ALPHA7	X	-.006	6.5
16	MP ALPHA7	X	-.006	1.5
17	MP BETA7	Z	-.004	6.5
18	MP BETA7	Z	-.004	1.5
19	MP BETA7	X	-.006	6.5
20	MP BETA7	X	-.006	1.5
21	MP GAMMA7	Z	-.003	6.5
22	MP GAMMA7	Z	-.003	1.5
23	MP GAMMA7	X	-.006	6.5
24	MP GAMMA7	X	-.006	1.5
25	MP ALPHA4	Z	-.008	6.5
26	MP ALPHA4	Z	-.008	.5
27	MP ALPHA4	X	-.014	6.5
28	MP ALPHA4	X	-.014	.5
29	MP BETA4	Z	-.011	6.5
30	MP BETA4	Z	-.011	.5
31	MP BETA4	X	-.018	6.5
32	MP BETA4	X	-.018	.5
33	MP GAMMA4	Z	-.008	6.5
34	MP GAMMA4	Z	-.008	.5
35	MP GAMMA4	X	-.014	6.5
36	MP GAMMA4	X	-.014	.5
37	MP ALPHA5	Z	-.002	4
38	MP ALPHA5	Z	-.002	2
39	MP ALPHA5	X	-.004	4
40	MP ALPHA5	X	-.004	2
41	MP BETA5	Z	-.004	4
42	MP BETA5	Z	-.004	2
43	MP BETA5	X	-.007	4
44	MP BETA5	X	-.007	2
45	MP GAMMA5	Z	-.002	4
46	MP GAMMA5	Z	-.002	2
47	MP GAMMA5	X	-.004	4
48	MP GAMMA5	X	-.004	2

Member Point Loads (BLC 19 : Maintenance (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
49	MP BETA8	Z	-.004	0
50	MP BETA8	X	-.007	0
51	MP ALPHA1	Z	-.000145	4
52	MP ALPHA1	X	-.000251	4
53	MP BETA1	Z	-.000335	4
54	MP BETA1	X	-.00058	4
55	MP GAMMA1	Z	-.000145	4
56	MP GAMMA1	X	-.000251	4
57	MP ALPHA7	Z	-.000145	4
58	MP ALPHA7	X	-.000251	4
59	MP BETA7	Z	-.000335	4
60	MP BETA7	X	-.00058	4
61	MP GAMMA7	Z	-.000145	4
62	MP GAMMA7	X	-.000251	4
63	MP ALPHA4	Z	-.002	3.5
64	MP ALPHA4	X	-.003	3.5
65	MP BETA4	Z	-.002	3.5
66	MP BETA4	X	-.003	3.5
67	MP GAMMA4	Z	-.002	3.5
68	MP GAMMA4	X	-.003	3.5
69	MP ALPHA4	Z	-.001	3.5
70	MP ALPHA4	X	-.002	3.5
71	MP BETA4	Z	-.002	3.5
72	MP BETA4	X	-.003	3.5
73	MP GAMMA4	Z	-.001	3.5
74	MP GAMMA4	X	-.002	3.5
75	MP ALPHA4	Z	-.000622	3.5
76	MP ALPHA4	X	-.001	3.5
77	MP BETA4	Z	-.000271	3.5
78	MP BETA4	X	-.00047	3.5
79	MP GAMMA4	Z	-.000622	3.5
80	MP GAMMA4	X	-.001	3.5

Member Point Loads (BLC 20 : Maintenance (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	-.006	6.5
2	MP ALPHA1	Z	-.006	1.5
3	MP ALPHA1	X	-.004	6.5
4	MP ALPHA1	X	-.004	1.5
5	MP BETA1	Z	-.006	6.5
6	MP BETA1	Z	-.006	1.5
7	MP BETA1	X	-.004	6.5
8	MP BETA1	X	-.004	1.5
9	MP GAMMA1	Z	-.006	6.5
10	MP GAMMA1	Z	-.006	1.5
11	MP GAMMA1	X	-.003	6.5
12	MP GAMMA1	X	-.003	1.5
13	MP ALPHA7	Z	-.006	6.5
14	MP ALPHA7	Z	-.006	1.5
15	MP ALPHA7	X	-.004	6.5
16	MP ALPHA7	X	-.004	1.5
17	MP BETA7	Z	-.006	6.5
18	MP BETA7	Z	-.006	1.5
19	MP BETA7	X	-.004	6.5
20	MP BETA7	X	-.004	1.5
21	MP GAMMA7	Z	-.006	6.5

Member Point Loads (BLC 20 : Maintenance (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
22	MP GAMMA7	Z	-.006	1.5
23	MP GAMMA7	X	-.003	6.5
24	MP GAMMA7	X	-.003	1.5
25	MP ALPHA4	Z	-.017	6.5
26	MP ALPHA4	Z	-.017	.5
27	MP ALPHA4	X	-.01	6.5
28	MP ALPHA4	X	-.01	.5
29	MP BETA4	Z	-.017	6.5
30	MP BETA4	Z	-.017	.5
31	MP BETA4	X	-.01	6.5
32	MP BETA4	X	-.01	.5
33	MP GAMMA4	Z	-.013	6.5
34	MP GAMMA4	Z	-.013	.5
35	MP GAMMA4	X	-.007	6.5
36	MP GAMMA4	X	-.007	.5
37	MP ALPHA5	Z	-.006	4
38	MP ALPHA5	Z	-.006	2
39	MP ALPHA5	X	-.003	4
40	MP ALPHA5	X	-.003	2
41	MP BETA5	Z	-.006	4
42	MP BETA5	Z	-.006	2
43	MP BETA5	X	-.003	4
44	MP BETA5	X	-.003	2
45	MP GAMMA5	Z	-.002	4
46	MP GAMMA5	Z	-.002	2
47	MP GAMMA5	X	-.001	4
48	MP GAMMA5	X	-.001	2
49	MP BETA8	Z	-.006	0
50	MP BETA8	X	-.004	0
51	MP ALPHA1	Z	-.00047	4
52	MP ALPHA1	X	-.000272	4
53	MP BETA1	Z	-.00047	4
54	MP BETA1	X	-.000272	4
55	MP GAMMA1	Z	-.000141	4
56	MP GAMMA1	X	-8.1e-5	4
57	MP ALPHA7	Z	-.00047	4
58	MP ALPHA7	X	-.000272	4
59	MP BETA7	Z	-.00047	4
60	MP BETA7	X	-.000272	4
61	MP GAMMA7	Z	-.000141	4
62	MP GAMMA7	X	-8.1e-5	4
63	MP ALPHA4	Z	-.003	3.5
64	MP ALPHA4	X	-.002	3.5
65	MP BETA4	Z	-.003	3.5
66	MP BETA4	X	-.002	3.5
67	MP GAMMA4	Z	-.002	3.5
68	MP GAMMA4	X	-.001	3.5
69	MP ALPHA4	Z	-.003	3.5
70	MP ALPHA4	X	-.002	3.5
71	MP BETA4	Z	-.003	3.5
72	MP BETA4	X	-.002	3.5
73	MP GAMMA4	Z	-.002	3.5
74	MP GAMMA4	X	-.001	3.5
75	MP ALPHA4	Z	-.000672	3.5
76	MP ALPHA4	X	-.000388	3.5
77	MP BETA4	Z	-.000672	3.5
78	MP BETA4	X	-.000388	3.5

Member Point Loads (BLC 20 : Maintenance (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
79	MP GAMMA4	Z	-.001	3.5
80	MP GAMMA4	X	-.000739	3.5

Member Point Loads (BLC 21 : Maintenance (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.007	6.5
2	MP ALPHA1	Z	-.007	1.5
3	MP BETA1	Z	-.007	6.5
4	MP BETA1	Z	-.007	1.5
5	MP GAMMA1	Z	-.007	6.5
6	MP GAMMA1	Z	-.007	1.5
7	MP ALPHA7	Z	-.007	6.5
8	MP ALPHA7	Z	-.007	1.5
9	MP BETA7	Z	-.007	6.5
10	MP BETA7	Z	-.007	1.5
11	MP GAMMA7	Z	-.007	6.5
12	MP GAMMA7	Z	-.007	1.5
13	MP ALPHA4	Z	-.021	6.5
14	MP ALPHA4	Z	-.021	.5
15	MP BETA4	Z	-.016	6.5
16	MP BETA4	Z	-.016	.5
17	MP GAMMA4	Z	-.016	6.5
18	MP GAMMA4	Z	-.016	.5
19	MP ALPHA5	Z	-.008	4
20	MP ALPHA5	Z	-.008	2
21	MP BETA5	Z	-.004	4
22	MP BETA5	Z	-.004	2
23	MP GAMMA5	Z	-.004	4
24	MP GAMMA5	Z	-.004	2
25	MP BETA8	Z	-.006	0
26	MP ALPHA1	Z	-.00067	4
27	MP BETA1	Z	-.000289	4
28	MP GAMMA1	Z	-.000289	4
29	MP ALPHA7	Z	-.00067	4
30	MP BETA7	Z	-.000289	4
31	MP GAMMA7	Z	-.000289	4
32	MP ALPHA4	Z	-.004	3.5
33	MP BETA4	Z	-.003	3.5
34	MP GAMMA4	Z	-.003	3.5
35	MP ALPHA4	Z	-.004	3.5
36	MP BETA4	Z	-.003	3.5
37	MP GAMMA4	Z	-.003	3.5
38	MP ALPHA4	Z	-.000542	3.5
39	MP BETA4	Z	-.001	3.5
40	MP GAMMA4	Z	-.001	3.5

Member Point Loads (BLC 22 : Maintenance (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.006	6.5
2	MP ALPHA1	Z	-.006	1.5
3	MP ALPHA1	X	.004	6.5
4	MP ALPHA1	X	.004	1.5
5	MP BETA1	Z	-.006	6.5
6	MP BETA1	Z	-.006	1.5
7	MP BETA1	X	.003	6.5
8	MP BETA1	X	.003	1.5

Member Point Loads (BLC 22 : Maintenance (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
9	MP GAMMA1	Z	-.006	6.5
10	MP GAMMA1	Z	-.006	1.5
11	MP GAMMA1	X	.004	6.5
12	MP GAMMA1	X	.004	1.5
13	MP ALPHA7	Z	-.006	6.5
14	MP ALPHA7	Z	-.006	1.5
15	MP ALPHA7	X	.004	6.5
16	MP ALPHA7	X	.004	1.5
17	MP BETA7	Z	-.006	6.5
18	MP BETA7	Z	-.006	1.5
19	MP BETA7	X	.003	6.5
20	MP BETA7	X	.003	1.5
21	MP GAMMA7	Z	-.006	6.5
22	MP GAMMA7	Z	-.006	1.5
23	MP GAMMA7	X	.004	6.5
24	MP GAMMA7	X	.004	1.5
25	MP ALPHA4	Z	-.017	6.5
26	MP ALPHA4	Z	-.017	.5
27	MP ALPHA4	X	.01	6.5
28	MP ALPHA4	X	.01	.5
29	MP BETA4	Z	-.013	6.5
30	MP BETA4	Z	-.013	.5
31	MP BETA4	X	.007	6.5
32	MP BETA4	X	.007	.5
33	MP GAMMA4	Z	-.017	6.5
34	MP GAMMA4	Z	-.017	.5
35	MP GAMMA4	X	.01	6.5
36	MP GAMMA4	X	.01	.5
37	MP ALPHA5	Z	-.006	4
38	MP ALPHA5	Z	-.006	2
39	MP ALPHA5	X	.003	4
40	MP ALPHA5	X	.003	2
41	MP BETA5	Z	-.002	4
42	MP BETA5	Z	-.002	2
43	MP BETA5	X	.001	4
44	MP BETA5	X	.001	2
45	MP GAMMA5	Z	-.006	4
46	MP GAMMA5	Z	-.006	2
47	MP GAMMA5	X	.003	4
48	MP GAMMA5	X	.003	2
49	MP BETA8	Z	-.005	0
50	MP BETA8	X	.003	0
51	MP ALPHA1	Z	-.00047	4
52	MP ALPHA1	X	.000272	4
53	MP BETA1	Z	-.000141	4
54	MP BETA1	X	8.1e-5	4
55	MP GAMMA1	Z	-.00047	4
56	MP GAMMA1	X	.000272	4
57	MP ALPHA7	Z	-.00047	4
58	MP ALPHA7	X	.000272	4
59	MP BETA7	Z	-.000141	4
60	MP BETA7	X	8.1e-5	4
61	MP GAMMA7	Z	-.00047	4
62	MP GAMMA7	X	.000272	4
63	MP ALPHA4	Z	-.003	3.5
64	MP ALPHA4	X	.002	3.5
65	MP BETA4	Z	-.002	3.5

Member Point Loads (BLC 22 : Maintenance (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
66	MP BETA4	X	.001	3.5
67	MP GAMMA4	Z	-.003	3.5
68	MP GAMMA4	X	.002	3.5
69	MP ALPHA4	Z	-.003	3.5
70	MP ALPHA4	X	.002	3.5
71	MP BETA4	Z	-.002	3.5
72	MP BETA4	X	.001	3.5
73	MP GAMMA4	Z	-.003	3.5
74	MP GAMMA4	X	.002	3.5
75	MP ALPHA4	Z	-.000672	3.5
76	MP ALPHA4	X	.000388	3.5
77	MP BETA4	Z	-.001	3.5
78	MP BETA4	X	.000739	3.5
79	MP GAMMA4	Z	-.000672	3.5
80	MP GAMMA4	X	.000388	3.5

Member Point Loads (BLC 23 : Maintenance (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	-.003	6.5
2	MP ALPHA1	Z	-.003	1.5
3	MP ALPHA1	X	.006	6.5
4	MP ALPHA1	X	.006	1.5
5	MP BETA1	Z	-.003	6.5
6	MP BETA1	Z	-.003	1.5
7	MP BETA1	X	.006	6.5
8	MP BETA1	X	.006	1.5
9	MP GAMMA1	Z	-.004	6.5
10	MP GAMMA1	Z	-.004	1.5
11	MP GAMMA1	X	.006	6.5
12	MP GAMMA1	X	.006	1.5
13	MP ALPHA7	Z	-.003	6.5
14	MP ALPHA7	Z	-.003	1.5
15	MP ALPHA7	X	.006	6.5
16	MP ALPHA7	X	.006	1.5
17	MP BETA7	Z	-.003	6.5
18	MP BETA7	Z	-.003	1.5
19	MP BETA7	X	.006	6.5
20	MP BETA7	X	.006	1.5
21	MP GAMMA7	Z	-.004	6.5
22	MP GAMMA7	Z	-.004	1.5
23	MP GAMMA7	X	.006	6.5
24	MP GAMMA7	X	.006	1.5
25	MP ALPHA4	Z	-.008	6.5
26	MP ALPHA4	Z	-.008	.5
27	MP ALPHA4	X	.014	6.5
28	MP ALPHA4	X	.014	.5
29	MP BETA4	Z	-.008	6.5
30	MP BETA4	Z	-.008	.5
31	MP BETA4	X	.014	6.5
32	MP BETA4	X	.014	.5
33	MP GAMMA4	Z	-.011	6.5
34	MP GAMMA4	Z	-.011	.5
35	MP GAMMA4	X	.018	6.5
36	MP GAMMA4	X	.018	.5
37	MP ALPHA5	Z	-.002	4
38	MP ALPHA5	Z	-.002	2

Member Point Loads (BLC 23 : Maintenance (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
39	MP ALPHA5	X	.004	4
40	MP ALPHA5	X	.004	2
41	MP BETA5	Z	-.002	4
42	MP BETA5	Z	-.002	2
43	MP BETA5	X	.004	4
44	MP BETA5	X	.004	2
45	MP GAMMA5	Z	-.004	4
46	MP GAMMA5	Z	-.004	2
47	MP GAMMA5	X	.007	4
48	MP GAMMA5	X	.007	2
49	MP BETA8	Z	-.003	0
50	MP BETA8	X	.005	0
51	MP ALPHA1	Z	-.000145	4
52	MP ALPHA1	X	.000251	4
53	MP BETA1	Z	-.000145	4
54	MP BETA1	X	.000251	4
55	MP GAMMA1	Z	-.000335	4
56	MP GAMMA1	X	.00058	4
57	MP ALPHA7	Z	-.000145	4
58	MP ALPHA7	X	.000251	4
59	MP BETA7	Z	-.000145	4
60	MP BETA7	X	.000251	4
61	MP GAMMA7	Z	-.000335	4
62	MP GAMMA7	X	.00058	4
63	MP ALPHA4	Z	-.002	3.5
64	MP ALPHA4	X	.003	3.5
65	MP BETA4	Z	-.002	3.5
66	MP BETA4	X	.003	3.5
67	MP GAMMA4	Z	-.002	3.5
68	MP GAMMA4	X	.003	3.5
69	MP ALPHA4	Z	-.001	3.5
70	MP ALPHA4	X	.002	3.5
71	MP BETA4	Z	-.001	3.5
72	MP BETA4	X	.002	3.5
73	MP GAMMA4	Z	-.002	3.5
74	MP GAMMA4	X	.003	3.5
75	MP ALPHA4	Z	-.000622	3.5
76	MP ALPHA4	X	.001	3.5
77	MP BETA4	Z	-.000622	3.5
78	MP BETA4	X	.001	3.5
79	MP GAMMA4	Z	-.000271	3.5
80	MP GAMMA4	X	.00047	3.5

Member Point Loads (BLC 24 : Maintenance (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	X	.006	6.5
2	MP ALPHA1	X	.006	1.5
3	MP BETA1	X	.007	6.5
4	MP BETA1	X	.007	1.5
5	MP GAMMA1	X	.007	6.5
6	MP GAMMA1	X	.007	1.5
7	MP ALPHA7	X	.006	6.5
8	MP ALPHA7	X	.006	1.5
9	MP BETA7	X	.007	6.5
10	MP BETA7	X	.007	1.5
11	MP GAMMA7	X	.007	6.5

Member Point Loads (BLC 24 : Maintenance (270)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
12	MP GAMMA7	X	.007	1.5
13	MP ALPHA4	X	.015	6.5
14	MP ALPHA4	X	.015	.5
15	MP BETA4	X	.02	6.5
16	MP BETA4	X	.02	.5
17	MP GAMMA4	X	.02	6.5
18	MP GAMMA4	X	.02	.5
19	MP ALPHA5	X	.003	4
20	MP ALPHA5	X	.003	2
21	MP BETA5	X	.007	4
22	MP BETA5	X	.007	2
23	MP GAMMA5	X	.007	4
24	MP GAMMA5	X	.007	2
25	MP BETA8	X	.007	0
26	MP ALPHA1	X	.000162	4
27	MP BETA1	X	.000543	4
28	MP GAMMA1	X	.000543	4
29	MP ALPHA7	X	.000162	4
30	MP BETA7	X	.000543	4
31	MP GAMMA7	X	.000543	4
32	MP ALPHA4	X	.003	3.5
33	MP BETA4	X	.004	3.5
34	MP GAMMA4	X	.004	3.5
35	MP ALPHA4	X	.002	3.5
36	MP BETA4	X	.004	3.5
37	MP GAMMA4	X	.004	3.5
38	MP ALPHA4	X	.001	3.5
39	MP BETA4	X	.000776	3.5
40	MP GAMMA4	X	.000776	3.5

Member Point Loads (BLC 25 : Maintenance (300))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	.003	6.5
2	MP ALPHA1	Z	.003	1.5
3	MP ALPHA1	X	.006	6.5
4	MP ALPHA1	X	.006	1.5
5	MP BETA1	Z	.004	6.5
6	MP BETA1	Z	.004	1.5
7	MP BETA1	X	.006	6.5
8	MP BETA1	X	.006	1.5
9	MP GAMMA1	Z	.003	6.5
10	MP GAMMA1	Z	.003	1.5
11	MP GAMMA1	X	.006	6.5
12	MP GAMMA1	X	.006	1.5
13	MP ALPHA7	Z	.003	6.5
14	MP ALPHA7	Z	.003	1.5
15	MP ALPHA7	X	.006	6.5
16	MP ALPHA7	X	.006	1.5
17	MP BETA7	Z	.004	6.5
18	MP BETA7	Z	.004	1.5
19	MP BETA7	X	.006	6.5
20	MP BETA7	X	.006	1.5
21	MP GAMMA7	Z	.003	6.5
22	MP GAMMA7	Z	.003	1.5
23	MP GAMMA7	X	.006	6.5
24	MP GAMMA7	X	.006	1.5

Member Point Loads (BLC 25 : Maintenance (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
25	MP ALPHA4	Z	.008	6.5
26	MP ALPHA4	Z	.008	.5
27	MP ALPHA4	X	.014	6.5
28	MP ALPHA4	X	.014	.5
29	MP BETA4	Z	.011	6.5
30	MP BETA4	Z	.011	.5
31	MP BETA4	X	.018	6.5
32	MP BETA4	X	.018	.5
33	MP GAMMA4	Z	.008	6.5
34	MP GAMMA4	Z	.008	.5
35	MP GAMMA4	X	.014	6.5
36	MP GAMMA4	X	.014	.5
37	MP ALPHA5	Z	.002	4
38	MP ALPHA5	Z	.002	2
39	MP ALPHA5	X	.004	4
40	MP ALPHA5	X	.004	2
41	MP BETA5	Z	.004	4
42	MP BETA5	Z	.004	2
43	MP BETA5	X	.007	4
44	MP BETA5	X	.007	2
45	MP GAMMA5	Z	.002	4
46	MP GAMMA5	Z	.002	2
47	MP GAMMA5	X	.004	4
48	MP GAMMA5	X	.004	2
49	MP BETA8	Z	.004	0
50	MP BETA8	X	.007	0
51	MP ALPHA1	Z	.000145	4
52	MP ALPHA1	X	.000251	4
53	MP BETA1	Z	.000335	4
54	MP BETA1	X	.00058	4
55	MP GAMMA1	Z	.000145	4
56	MP GAMMA1	X	.000251	4
57	MP ALPHA7	Z	.000145	4
58	MP ALPHA7	X	.000251	4
59	MP BETA7	Z	.000335	4
60	MP BETA7	X	.00058	4
61	MP GAMMA7	Z	.000145	4
62	MP GAMMA7	X	.000251	4
63	MP ALPHA4	Z	.002	3.5
64	MP ALPHA4	X	.003	3.5
65	MP BETA4	Z	.002	3.5
66	MP BETA4	X	.003	3.5
67	MP GAMMA4	Z	.002	3.5
68	MP GAMMA4	X	.003	3.5
69	MP ALPHA4	Z	.001	3.5
70	MP ALPHA4	X	.002	3.5
71	MP BETA4	Z	.002	3.5
72	MP BETA4	X	.003	3.5
73	MP GAMMA4	Z	.001	3.5
74	MP GAMMA4	X	.002	3.5
75	MP ALPHA4	Z	.000622	3.5
76	MP ALPHA4	X	.001	3.5
77	MP BETA4	Z	.000271	3.5
78	MP BETA4	X	.00047	3.5
79	MP GAMMA4	Z	.000622	3.5
80	MP GAMMA4	X	.001	3.5

Member Point Loads (BLC 26 : Maintenance (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	.006	6.5
2	MP ALPHA1	Z	.006	1.5
3	MP ALPHA1	X	.004	6.5
4	MP ALPHA1	X	.004	1.5
5	MP BETA1	Z	.006	6.5
6	MP BETA1	Z	.006	1.5
7	MP BETA1	X	.004	6.5
8	MP BETA1	X	.004	1.5
9	MP GAMMA1	Z	.006	6.5
10	MP GAMMA1	Z	.006	1.5
11	MP GAMMA1	X	.003	6.5
12	MP GAMMA1	X	.003	1.5
13	MP ALPHA7	Z	.006	6.5
14	MP ALPHA7	Z	.006	1.5
15	MP ALPHA7	X	.004	6.5
16	MP ALPHA7	X	.004	1.5
17	MP BETA7	Z	.006	6.5
18	MP BETA7	Z	.006	1.5
19	MP BETA7	X	.004	6.5
20	MP BETA7	X	.004	1.5
21	MP GAMMA7	Z	.006	6.5
22	MP GAMMA7	Z	.006	1.5
23	MP GAMMA7	X	.003	6.5
24	MP GAMMA7	X	.003	1.5
25	MP ALPHA4	Z	.017	6.5
26	MP ALPHA4	Z	.017	.5
27	MP ALPHA4	X	.01	6.5
28	MP ALPHA4	X	.01	.5
29	MP BETA4	Z	.017	6.5
30	MP BETA4	Z	.017	.5
31	MP BETA4	X	.01	6.5
32	MP BETA4	X	.01	.5
33	MP GAMMA4	Z	.013	6.5
34	MP GAMMA4	Z	.013	.5
35	MP GAMMA4	X	.007	6.5
36	MP GAMMA4	X	.007	.5
37	MP ALPHA5	Z	.006	4
38	MP ALPHA5	Z	.006	2
39	MP ALPHA5	X	.003	4
40	MP ALPHA5	X	.003	2
41	MP BETA5	Z	.006	4
42	MP BETA5	Z	.006	2
43	MP BETA5	X	.003	4
44	MP BETA5	X	.003	2
45	MP GAMMA5	Z	.002	4
46	MP GAMMA5	Z	.002	2
47	MP GAMMA5	X	.001	4
48	MP GAMMA5	X	.001	2
49	MP BETA8	Z	.006	0
50	MP BETA8	X	.004	0
51	MP ALPHA1	Z	.00047	4
52	MP ALPHA1	X	.000272	4
53	MP BETA1	Z	.00047	4
54	MP BETA1	X	.000272	4
55	MP GAMMA1	Z	.000141	4
56	MP GAMMA1	X	8.1e-5	4
57	MP ALPHA7	Z	.00047	4

Member Point Loads (BLC 26 : Maintenance (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP ALPHA7	X	.000272	4
59	MP BETA7	Z	.00047	4
60	MP BETA7	X	.000272	4
61	MP GAMMA7	Z	.000141	4
62	MP GAMMA7	X	8.1e-5	4
63	MP ALPHA4	Z	.003	3.5
64	MP ALPHA4	X	.002	3.5
65	MP BETA4	Z	.003	3.5
66	MP BETA4	X	.002	3.5
67	MP GAMMA4	Z	.002	3.5
68	MP GAMMA4	X	.001	3.5
69	MP ALPHA4	Z	.003	3.5
70	MP ALPHA4	X	.002	3.5
71	MP BETA4	Z	.003	3.5
72	MP BETA4	X	.002	3.5
73	MP GAMMA4	Z	.002	3.5
74	MP GAMMA4	X	.001	3.5
75	MP ALPHA4	Z	.000672	3.5
76	MP ALPHA4	X	.000388	3.5
77	MP BETA4	Z	.000672	3.5
78	MP BETA4	X	.000388	3.5
79	MP GAMMA4	Z	.001	3.5
80	MP GAMMA4	X	.000739	3.5

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.061	6.5
2	MP ALPHA1	Y	-.061	1.5
3	MP BETA1	Y	-.061	6.5
4	MP BETA1	Y	-.061	1.5
5	MP GAMMA1	Y	-.061	6.5
6	MP GAMMA1	Y	-.061	1.5
7	MP ALPHA7	Y	-.061	6.5
8	MP ALPHA7	Y	-.061	1.5
9	MP BETA7	Y	-.061	6.5
10	MP BETA7	Y	-.061	1.5
11	MP GAMMA7	Y	-.061	6.5
12	MP GAMMA7	Y	-.061	1.5
13	MP ALPHA4	Y	-.222	6.5
14	MP ALPHA4	Y	-.222	.5
15	MP BETA4	Y	-.222	6.5
16	MP BETA4	Y	-.222	.5
17	MP GAMMA4	Y	-.222	6.5
18	MP GAMMA4	Y	-.222	.5
19	MP ALPHA5	Y	-.037	4
20	MP ALPHA5	Y	-.037	2
21	MP BETA5	Y	-.037	4
22	MP BETA5	Y	-.037	2
23	MP GAMMA5	Y	-.037	4
24	MP GAMMA5	Y	-.037	2
25	MP BETA8	Y	-.079	0
26	MP ALPHA1	Y	-.007	4
27	MP BETA1	Y	-.007	4
28	MP GAMMA1	Y	-.007	4
29	MP ALPHA7	Y	-.007	4
30	MP BETA7	Y	-.007	4

Member Point Loads (BLC 27 : Ice Dead Load) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
31	MP GAMMA7	Y	-.007	4
32	MP ALPHA4	Y	-.047	3.5
33	MP BETA4	Y	-.047	3.5
34	MP GAMMA4	Y	-.047	3.5
35	MP ALPHA4	Y	-.042	3.5
36	MP BETA4	Y	-.042	3.5
37	MP GAMMA4	Y	-.042	3.5
38	MP ALPHA4	Y	-.055	3.5
39	MP BETA4	Y	-.055	3.5
40	MP GAMMA4	Y	-.055	3.5

Member Point Loads (BLC 28 : Ice Wind Load (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.023	6.5
2	MP ALPHA1	Z	.023	1.5
3	MP BETA1	Z	.022	6.5
4	MP BETA1	Z	.022	1.5
5	MP GAMMA1	Z	.022	6.5
6	MP GAMMA1	Z	.022	1.5
7	MP ALPHA7	Z	.023	6.5
8	MP ALPHA7	Z	.023	1.5
9	MP BETA7	Z	.022	6.5
10	MP BETA7	Z	.022	1.5
11	MP GAMMA7	Z	.022	6.5
12	MP GAMMA7	Z	.022	1.5
13	MP ALPHA4	Z	.063	6.5
14	MP ALPHA4	Z	.063	.5
15	MP BETA4	Z	.05	6.5
16	MP BETA4	Z	.05	.5
17	MP GAMMA4	Z	.05	6.5
18	MP GAMMA4	Z	.05	.5
19	MP ALPHA5	Z	.024	4
20	MP ALPHA5	Z	.024	2
21	MP BETA5	Z	.014	4
22	MP BETA5	Z	.014	2
23	MP GAMMA5	Z	.014	4
24	MP GAMMA5	Z	.014	2
25	MP BETA8	Z	.013	0
26	MP ALPHA1	Z	.002	4
27	MP BETA1	Z	.001	4
28	MP GAMMA1	Z	.001	4
29	MP ALPHA7	Z	.002	4
30	MP BETA7	Z	.001	4
31	MP GAMMA7	Z	.001	4
32	MP ALPHA4	Z	.009	3.5
33	MP BETA4	Z	.007	3.5
34	MP GAMMA4	Z	.007	3.5
35	MP ALPHA4	Z	.009	3.5
36	MP BETA4	Z	.006	3.5
37	MP GAMMA4	Z	.006	3.5
38	MP ALPHA4	Z	.001	3.5
39	MP BETA4	Z	.003	3.5
40	MP GAMMA4	Z	.003	3.5

Member Point Loads (BLC 29 : Ice Wind Load (30))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
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Member Point Loads (BLC 29 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	.02	6.5
2	MP ALPHA1	Z	.02	1.5
3	MP ALPHA1	X	-.011	6.5
4	MP ALPHA1	X	-.011	1.5
5	MP BETA1	Z	.018	6.5
6	MP BETA1	Z	.018	1.5
7	MP BETA1	X	-.011	6.5
8	MP BETA1	X	-.011	1.5
9	MP GAMMA1	Z	.02	6.5
10	MP GAMMA1	Z	.02	1.5
11	MP GAMMA1	X	-.011	6.5
12	MP GAMMA1	X	-.011	1.5
13	MP ALPHA7	Z	.02	6.5
14	MP ALPHA7	Z	.02	1.5
15	MP ALPHA7	X	-.011	6.5
16	MP ALPHA7	X	-.011	1.5
17	MP BETA7	Z	.018	6.5
18	MP BETA7	Z	.018	1.5
19	MP BETA7	X	-.011	6.5
20	MP BETA7	X	-.011	1.5
21	MP GAMMA7	Z	.02	6.5
22	MP GAMMA7	Z	.02	1.5
23	MP GAMMA7	X	-.011	6.5
24	MP GAMMA7	X	-.011	1.5
25	MP ALPHA4	Z	.051	6.5
26	MP ALPHA4	Z	.051	.5
27	MP ALPHA4	X	-.029	6.5
28	MP ALPHA4	X	-.029	.5
29	MP BETA4	Z	.04	6.5
30	MP BETA4	Z	.04	.5
31	MP BETA4	X	-.023	6.5
32	MP BETA4	X	-.023	.5
33	MP GAMMA4	Z	.051	6.5
34	MP GAMMA4	Z	.051	.5
35	MP GAMMA4	X	-.029	6.5
36	MP GAMMA4	X	-.029	.5
37	MP ALPHA5	Z	.018	4
38	MP ALPHA5	Z	.018	2
39	MP ALPHA5	X	-.01	4
40	MP ALPHA5	X	-.01	2
41	MP BETA5	Z	.009	4
42	MP BETA5	Z	.009	2
43	MP BETA5	X	-.005	4
44	MP BETA5	X	-.005	2
45	MP GAMMA5	Z	.018	4
46	MP GAMMA5	Z	.018	2
47	MP GAMMA5	X	-.01	4
48	MP GAMMA5	X	-.01	2
49	MP BETA8	Z	.01	0
50	MP BETA8	X	-.006	0
51	MP ALPHA1	Z	.002	4
52	MP ALPHA1	X	-.000891	4
53	MP BETA1	Z	.000785	4
54	MP BETA1	X	-.000453	4
55	MP GAMMA1	Z	.002	4
56	MP GAMMA1	X	-.000891	4
57	MP ALPHA7	Z	.002	4

Member Point Loads (BLC 29 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP ALPHA7	X	-.000891	4
59	MP BETA7	Z	.000785	4
60	MP BETA7	X	-.000453	4
61	MP GAMMA7	Z	.002	4
62	MP GAMMA7	X	-.000891	4
63	MP ALPHA4	Z	.007	3.5
64	MP ALPHA4	X	-.004	3.5
65	MP BETA4	Z	.005	3.5
66	MP BETA4	X	-.003	3.5
67	MP GAMMA4	Z	.007	3.5
68	MP GAMMA4	X	-.004	3.5
69	MP ALPHA4	Z	.007	3.5
70	MP ALPHA4	X	-.004	3.5
71	MP BETA4	Z	.005	3.5
72	MP BETA4	X	-.003	3.5
73	MP GAMMA4	Z	.007	3.5
74	MP GAMMA4	X	-.004	3.5
75	MP ALPHA4	Z	.002	3.5
76	MP ALPHA4	X	-.000909	3.5
77	MP BETA4	Z	.003	3.5
78	MP BETA4	X	-.002	3.5
79	MP GAMMA4	Z	.002	3.5
80	MP GAMMA4	X	-.000909	3.5

Member Point Loads (BLC 30 : Ice Wind Load (60))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.011	6.5
2	MP ALPHA1	Z	.011	1.5
3	MP ALPHA1	X	-.019	6.5
4	MP ALPHA1	X	-.019	1.5
5	MP BETA1	Z	.011	6.5
6	MP BETA1	Z	.011	1.5
7	MP BETA1	X	-.019	6.5
8	MP BETA1	X	-.019	1.5
9	MP GAMMA1	Z	.012	6.5
10	MP GAMMA1	Z	.012	1.5
11	MP GAMMA1	X	-.02	6.5
12	MP GAMMA1	X	-.02	1.5
13	MP ALPHA7	Z	.011	6.5
14	MP ALPHA7	Z	.011	1.5
15	MP ALPHA7	X	-.019	6.5
16	MP ALPHA7	X	-.019	1.5
17	MP BETA7	Z	.011	6.5
18	MP BETA7	Z	.011	1.5
19	MP BETA7	X	-.019	6.5
20	MP BETA7	X	-.019	1.5
21	MP GAMMA7	Z	.012	6.5
22	MP GAMMA7	Z	.012	1.5
23	MP GAMMA7	X	-.02	6.5
24	MP GAMMA7	X	-.02	1.5
25	MP ALPHA4	Z	.025	6.5
26	MP ALPHA4	Z	.025	.5
27	MP ALPHA4	X	-.044	6.5
28	MP ALPHA4	X	-.044	.5
29	MP BETA4	Z	.025	6.5
30	MP BETA4	Z	.025	.5

Member Point Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
31	MP BETA4	X	-.044	6.5
32	MP BETA4	X	-.044	.5
33	MP GAMMA4	Z	.032	6.5
34	MP GAMMA4	Z	.032	.5
35	MP GAMMA4	X	-.055	6.5
36	MP GAMMA4	X	-.055	.5
37	MP ALPHA5	Z	.007	4
38	MP ALPHA5	Z	.007	2
39	MP ALPHA5	X	-.012	4
40	MP ALPHA5	X	-.012	2
41	MP BETA5	Z	.007	4
42	MP BETA5	Z	.007	2
43	MP BETA5	X	-.012	4
44	MP BETA5	X	-.012	2
45	MP GAMMA5	Z	.012	4
46	MP GAMMA5	Z	.012	2
47	MP GAMMA5	X	-.021	4
48	MP GAMMA5	X	-.021	2
49	MP BETA8	Z	.006	0
50	MP BETA8	X	-.011	0
51	MP ALPHA1	Z	.000599	4
52	MP ALPHA1	X	-.001	4
53	MP BETA1	Z	.000599	4
54	MP BETA1	X	-.001	4
55	MP GAMMA1	Z	.001	4
56	MP GAMMA1	X	-.002	4
57	MP ALPHA7	Z	.000599	4
58	MP ALPHA7	X	-.001	4
59	MP BETA7	Z	.000599	4
60	MP BETA7	X	-.001	4
61	MP GAMMA7	Z	.001	4
62	MP GAMMA7	X	-.002	4
63	MP ALPHA4	Z	.003	3.5
64	MP ALPHA4	X	-.006	3.5
65	MP BETA4	Z	.003	3.5
66	MP BETA4	X	-.006	3.5
67	MP GAMMA4	Z	.004	3.5
68	MP GAMMA4	X	-.007	3.5
69	MP ALPHA4	Z	.003	3.5
70	MP ALPHA4	X	-.005	3.5
71	MP BETA4	Z	.003	3.5
72	MP BETA4	X	-.005	3.5
73	MP GAMMA4	Z	.004	3.5
74	MP GAMMA4	X	-.007	3.5
75	MP ALPHA4	Z	.002	3.5
76	MP ALPHA4	X	-.003	3.5
77	MP BETA4	Z	.002	3.5
78	MP BETA4	X	-.003	3.5
79	MP GAMMA4	Z	.00058	3.5
80	MP GAMMA4	X	-.001	3.5

Member Point Loads (BLC 31 : Ice Wind Load (90))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	X	-.021	6.5
2	MP ALPHA1	X	-.021	1.5
3	MP BETA1	X	-.023	6.5

Member Point Loads (BLC 31 : Ice Wind Load (90)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
4	MP BETA1	X	-.023	1.5
5	MP GAMMA1	X	-.023	6.5
6	MP GAMMA1	X	-.023	1.5
7	MP ALPHA7	X	-.021	6.5
8	MP ALPHA7	X	-.021	1.5
9	MP BETA7	X	-.023	6.5
10	MP BETA7	X	-.023	1.5
11	MP GAMMA7	X	-.023	6.5
12	MP GAMMA7	X	-.023	1.5
13	MP ALPHA4	X	-.046	6.5
14	MP ALPHA4	X	-.046	.5
15	MP BETA4	X	-.059	6.5
16	MP BETA4	X	-.059	.5
17	MP GAMMA4	X	-.059	6.5
18	MP GAMMA4	X	-.059	.5
19	MP ALPHA5	X	-.01	4
20	MP ALPHA5	X	-.01	2
21	MP BETA5	X	-.021	4
22	MP BETA5	X	-.021	2
23	MP GAMMA5	X	-.021	4
24	MP GAMMA5	X	-.021	2
25	MP BETA8	X	-.015	0
26	MP ALPHA1	X	-.000907	4
27	MP BETA1	X	-.002	4
28	MP GAMMA1	X	-.002	4
29	MP ALPHA7	X	-.000907	4
30	MP BETA7	X	-.002	4
31	MP GAMMA7	X	-.002	4
32	MP ALPHA4	X	-.006	3.5
33	MP BETA4	X	-.008	3.5
34	MP GAMMA4	X	-.008	3.5
35	MP ALPHA4	X	-.005	3.5
36	MP BETA4	X	-.008	3.5
37	MP GAMMA4	X	-.008	3.5
38	MP ALPHA4	X	-.004	3.5
39	MP BETA4	X	-.002	3.5
40	MP GAMMA4	X	-.002	3.5

Member Point Loads (BLC 32 : Ice Wind Load (120))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	-.011	6.5
2	MP ALPHA1	Z	-.011	1.5
3	MP ALPHA1	X	-.019	6.5
4	MP ALPHA1	X	-.019	1.5
5	MP BETA1	Z	-.012	6.5
6	MP BETA1	Z	-.012	1.5
7	MP BETA1	X	-.02	6.5
8	MP BETA1	X	-.02	1.5
9	MP GAMMA1	Z	-.011	6.5
10	MP GAMMA1	Z	-.011	1.5
11	MP GAMMA1	X	-.019	6.5
12	MP GAMMA1	X	-.019	1.5
13	MP ALPHA7	Z	-.011	6.5
14	MP ALPHA7	Z	-.011	1.5
15	MP ALPHA7	X	-.019	6.5
16	MP ALPHA7	X	-.019	1.5

Member Point Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
17	MP BETA7	Z	-.012	6.5
18	MP BETA7	Z	-.012	1.5
19	MP BETA7	X	-.02	6.5
20	MP BETA7	X	-.02	1.5
21	MP GAMMA7	Z	-.011	6.5
22	MP GAMMA7	Z	-.011	1.5
23	MP GAMMA7	X	-.019	6.5
24	MP GAMMA7	X	-.019	1.5
25	MP ALPHA4	Z	-.025	6.5
26	MP ALPHA4	Z	-.025	.5
27	MP ALPHA4	X	-.044	6.5
28	MP ALPHA4	X	-.044	.5
29	MP BETA4	Z	-.032	6.5
30	MP BETA4	Z	-.032	.5
31	MP BETA4	X	-.055	6.5
32	MP BETA4	X	-.055	.5
33	MP GAMMA4	Z	-.025	6.5
34	MP GAMMA4	Z	-.025	.5
35	MP GAMMA4	X	-.044	6.5
36	MP GAMMA4	X	-.044	.5
37	MP ALPHA5	Z	-.007	4
38	MP ALPHA5	Z	-.007	2
39	MP ALPHA5	X	-.012	4
40	MP ALPHA5	X	-.012	2
41	MP BETA5	Z	-.012	4
42	MP BETA5	Z	-.012	2
43	MP BETA5	X	-.021	4
44	MP BETA5	X	-.021	2
45	MP GAMMA5	Z	-.007	4
46	MP GAMMA5	Z	-.007	2
47	MP GAMMA5	X	-.012	4
48	MP GAMMA5	X	-.012	2
49	MP BETA8	Z	-.008	0
50	MP BETA8	X	-.014	0
51	MP ALPHA1	Z	-.000599	4
52	MP ALPHA1	X	-.001	4
53	MP BETA1	Z	-.001	4
54	MP BETA1	X	-.002	4
55	MP GAMMA1	Z	-.000599	4
56	MP GAMMA1	X	-.001	4
57	MP ALPHA7	Z	-.000599	4
58	MP ALPHA7	X	-.001	4
59	MP BETA7	Z	-.001	4
60	MP BETA7	X	-.002	4
61	MP GAMMA7	Z	-.000599	4
62	MP GAMMA7	X	-.001	4
63	MP ALPHA4	Z	-.003	3.5
64	MP ALPHA4	X	-.006	3.5
65	MP BETA4	Z	-.004	3.5
66	MP BETA4	X	-.007	3.5
67	MP GAMMA4	Z	-.003	3.5
68	MP GAMMA4	X	-.006	3.5
69	MP ALPHA4	Z	-.003	3.5
70	MP ALPHA4	X	-.005	3.5
71	MP BETA4	Z	-.004	3.5
72	MP BETA4	X	-.007	3.5
73	MP GAMMA4	Z	-.003	3.5

Member Point Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
74	MP GAMMA4	X	-.005	3.5
75	MP ALPHA4	Z	-.002	3.5
76	MP ALPHA4	X	-.003	3.5
77	MP BETA4	Z	-.00058	3.5
78	MP BETA4	X	-.001	3.5
79	MP GAMMA4	Z	-.002	3.5
80	MP GAMMA4	X	-.003	3.5

Member Point Loads (BLC 33 : Ice Wind Load (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	-.02	6.5
2	MP ALPHA1	Z	-.02	1.5
3	MP ALPHA1	X	-.011	6.5
4	MP ALPHA1	X	-.011	1.5
5	MP BETA1	Z	-.02	6.5
6	MP BETA1	Z	-.02	1.5
7	MP BETA1	X	-.011	6.5
8	MP BETA1	X	-.011	1.5
9	MP GAMMA1	Z	-.018	6.5
10	MP GAMMA1	Z	-.018	1.5
11	MP GAMMA1	X	-.011	6.5
12	MP GAMMA1	X	-.011	1.5
13	MP ALPHA7	Z	-.02	6.5
14	MP ALPHA7	Z	-.02	1.5
15	MP ALPHA7	X	-.011	6.5
16	MP ALPHA7	X	-.011	1.5
17	MP BETA7	Z	-.02	6.5
18	MP BETA7	Z	-.02	1.5
19	MP BETA7	X	-.011	6.5
20	MP BETA7	X	-.011	1.5
21	MP GAMMA7	Z	-.018	6.5
22	MP GAMMA7	Z	-.018	1.5
23	MP GAMMA7	X	-.011	6.5
24	MP GAMMA7	X	-.011	1.5
25	MP ALPHA4	Z	-.051	6.5
26	MP ALPHA4	Z	-.051	.5
27	MP ALPHA4	X	-.029	6.5
28	MP ALPHA4	X	-.029	.5
29	MP BETA4	Z	-.051	6.5
30	MP BETA4	Z	-.051	.5
31	MP BETA4	X	-.029	6.5
32	MP BETA4	X	-.029	.5
33	MP GAMMA4	Z	-.04	6.5
34	MP GAMMA4	Z	-.04	.5
35	MP GAMMA4	X	-.023	6.5
36	MP GAMMA4	X	-.023	.5
37	MP ALPHA5	Z	-.018	4
38	MP ALPHA5	Z	-.018	2
39	MP ALPHA5	X	-.01	4
40	MP ALPHA5	X	-.01	2
41	MP BETA5	Z	-.018	4
42	MP BETA5	Z	-.018	2
43	MP BETA5	X	-.01	4
44	MP BETA5	X	-.01	2
45	MP GAMMA5	Z	-.009	4
46	MP GAMMA5	Z	-.009	2

Member Point Loads (BLC 33 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
47	MP GAMMA5	X	-.005	4
48	MP GAMMA5	X	-.005	2
49	MP BETA8	Z	-.013	0
50	MP BETA8	X	-.008	0
51	MP ALPHA1	Z	-.002	4
52	MP ALPHA1	X	-.000891	4
53	MP BETA1	Z	-.002	4
54	MP BETA1	X	-.000891	4
55	MP GAMMA1	Z	-.000785	4
56	MP GAMMA1	X	-.000453	4
57	MP ALPHA7	Z	-.002	4
58	MP ALPHA7	X	-.000891	4
59	MP BETA7	Z	-.002	4
60	MP BETA7	X	-.000891	4
61	MP GAMMA7	Z	-.000785	4
62	MP GAMMA7	X	-.000453	4
63	MP ALPHA4	Z	-.007	3.5
64	MP ALPHA4	X	-.004	3.5
65	MP BETA4	Z	-.007	3.5
66	MP BETA4	X	-.004	3.5
67	MP GAMMA4	Z	-.005	3.5
68	MP GAMMA4	X	-.003	3.5
69	MP ALPHA4	Z	-.007	3.5
70	MP ALPHA4	X	-.004	3.5
71	MP BETA4	Z	-.007	3.5
72	MP BETA4	X	-.004	3.5
73	MP GAMMA4	Z	-.005	3.5
74	MP GAMMA4	X	-.003	3.5
75	MP ALPHA4	Z	-.002	3.5
76	MP ALPHA4	X	-.000909	3.5
77	MP BETA4	Z	-.002	3.5
78	MP BETA4	X	-.000909	3.5
79	MP GAMMA4	Z	-.003	3.5
80	MP GAMMA4	X	-.002	3.5

Member Point Loads (BLC 34 : Ice Wind Load (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	-.023	6.5
2	MP ALPHA1	Z	-.023	1.5
3	MP BETA1	Z	-.022	6.5
4	MP BETA1	Z	-.022	1.5
5	MP GAMMA1	Z	-.022	6.5
6	MP GAMMA1	Z	-.022	1.5
7	MP ALPHA7	Z	-.023	6.5
8	MP ALPHA7	Z	-.023	1.5
9	MP BETA7	Z	-.022	6.5
10	MP BETA7	Z	-.022	1.5
11	MP GAMMA7	Z	-.022	6.5
12	MP GAMMA7	Z	-.022	1.5
13	MP ALPHA4	Z	-.063	6.5
14	MP ALPHA4	Z	-.063	.5
15	MP BETA4	Z	-.05	6.5
16	MP BETA4	Z	-.05	.5
17	MP GAMMA4	Z	-.05	6.5
18	MP GAMMA4	Z	-.05	.5
19	MP ALPHA5	Z	-.024	4

Member Point Loads (BLC 34 : Ice Wind Load (180)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
20	MP ALPHA5	Z	-.024	2
21	MP BETA5	Z	-.014	4
22	MP BETA5	Z	-.014	2
23	MP GAMMA5	Z	-.014	4
24	MP GAMMA5	Z	-.014	2
25	MP BETA8	Z	-.013	0
26	MP ALPHA1	Z	-.002	4
27	MP BETA1	Z	-.001	4
28	MP GAMMA1	Z	-.001	4
29	MP ALPHA7	Z	-.002	4
30	MP BETA7	Z	-.001	4
31	MP GAMMA7	Z	-.001	4
32	MP ALPHA4	Z	-.009	3.5
33	MP BETA4	Z	-.007	3.5
34	MP GAMMA4	Z	-.007	3.5
35	MP ALPHA4	Z	-.009	3.5
36	MP BETA4	Z	-.006	3.5
37	MP GAMMA4	Z	-.006	3.5
38	MP ALPHA4	Z	-.001	3.5
39	MP BETA4	Z	-.003	3.5
40	MP GAMMA4	Z	-.003	3.5

Member Point Loads (BLC 35 : Ice Wind Load (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	-.02	6.5
2	MP ALPHA1	Z	-.02	1.5
3	MP ALPHA1	X	.011	6.5
4	MP ALPHA1	X	.011	1.5
5	MP BETA1	Z	-.018	6.5
6	MP BETA1	Z	-.018	1.5
7	MP BETA1	X	.011	6.5
8	MP BETA1	X	.011	1.5
9	MP GAMMA1	Z	-.02	6.5
10	MP GAMMA1	Z	-.02	1.5
11	MP GAMMA1	X	.011	6.5
12	MP GAMMA1	X	.011	1.5
13	MP ALPHA7	Z	-.02	6.5
14	MP ALPHA7	Z	-.02	1.5
15	MP ALPHA7	X	.011	6.5
16	MP ALPHA7	X	.011	1.5
17	MP BETA7	Z	-.018	6.5
18	MP BETA7	Z	-.018	1.5
19	MP BETA7	X	.011	6.5
20	MP BETA7	X	.011	1.5
21	MP GAMMA7	Z	-.02	6.5
22	MP GAMMA7	Z	-.02	1.5
23	MP GAMMA7	X	.011	6.5
24	MP GAMMA7	X	.011	1.5
25	MP ALPHA4	Z	-.051	6.5
26	MP ALPHA4	Z	-.051	.5
27	MP ALPHA4	X	.029	6.5
28	MP ALPHA4	X	.029	.5
29	MP BETA4	Z	-.04	6.5
30	MP BETA4	Z	-.04	.5
31	MP BETA4	X	.023	6.5
32	MP BETA4	X	.023	.5

Member Point Loads (BLC 35 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
33	MP GAMMA4	Z	-.051	6.5
34	MP GAMMA4	Z	-.051	.5
35	MP GAMMA4	X	.029	6.5
36	MP GAMMA4	X	.029	.5
37	MP ALPHA5	Z	-.018	4
38	MP ALPHA5	Z	-.018	2
39	MP ALPHA5	X	.01	4
40	MP ALPHA5	X	.01	2
41	MP BETA5	Z	-.009	4
42	MP BETA5	Z	-.009	2
43	MP BETA5	X	.005	4
44	MP BETA5	X	.005	2
45	MP GAMMA5	Z	-.018	4
46	MP GAMMA5	Z	-.018	2
47	MP GAMMA5	X	.01	4
48	MP GAMMA5	X	.01	2
49	MP BETA8	Z	-.01	0
50	MP BETA8	X	.006	0
51	MP ALPHA1	Z	-.002	4
52	MP ALPHA1	X	.000891	4
53	MP BETA1	Z	-.000785	4
54	MP BETA1	X	.000453	4
55	MP GAMMA1	Z	-.002	4
56	MP GAMMA1	X	.000891	4
57	MP ALPHA7	Z	-.002	4
58	MP ALPHA7	X	.000891	4
59	MP BETA7	Z	-.000785	4
60	MP BETA7	X	.000453	4
61	MP GAMMA7	Z	-.002	4
62	MP GAMMA7	X	.000891	4
63	MP ALPHA4	Z	-.007	3.5
64	MP ALPHA4	X	.004	3.5
65	MP BETA4	Z	-.005	3.5
66	MP BETA4	X	.003	3.5
67	MP GAMMA4	Z	-.007	3.5
68	MP GAMMA4	X	.004	3.5
69	MP ALPHA4	Z	-.007	3.5
70	MP ALPHA4	X	.004	3.5
71	MP BETA4	Z	-.005	3.5
72	MP BETA4	X	.003	3.5
73	MP GAMMA4	Z	-.007	3.5
74	MP GAMMA4	X	.004	3.5
75	MP ALPHA4	Z	-.002	3.5
76	MP ALPHA4	X	.000909	3.5
77	MP BETA4	Z	-.003	3.5
78	MP BETA4	X	.002	3.5
79	MP GAMMA4	Z	-.002	3.5
80	MP GAMMA4	X	.000909	3.5

Member Point Loads (BLC 36 : Ice Wind Load (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.011	6.5
2	MP ALPHA1	Z	-.011	1.5
3	MP ALPHA1	X	.019	6.5
4	MP ALPHA1	X	.019	1.5
5	MP BETA1	Z	-.011	6.5

Member Point Loads (BLC 36 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
6	MP BETA1	Z	-.011	1.5
7	MP BETA1	X	.019	6.5
8	MP BETA1	X	.019	1.5
9	MP GAMMA1	Z	-.012	6.5
10	MP GAMMA1	Z	-.012	1.5
11	MP GAMMA1	X	.02	6.5
12	MP GAMMA1	X	.02	1.5
13	MP ALPHA7	Z	-.011	6.5
14	MP ALPHA7	Z	-.011	1.5
15	MP ALPHA7	X	.019	6.5
16	MP ALPHA7	X	.019	1.5
17	MP BETA7	Z	-.011	6.5
18	MP BETA7	Z	-.011	1.5
19	MP BETA7	X	.019	6.5
20	MP BETA7	X	.019	1.5
21	MP GAMMA7	Z	-.012	6.5
22	MP GAMMA7	Z	-.012	1.5
23	MP GAMMA7	X	.02	6.5
24	MP GAMMA7	X	.02	1.5
25	MP ALPHA4	Z	-.025	6.5
26	MP ALPHA4	Z	-.025	.5
27	MP ALPHA4	X	.044	6.5
28	MP ALPHA4	X	.044	.5
29	MP BETA4	Z	-.025	6.5
30	MP BETA4	Z	-.025	.5
31	MP BETA4	X	.044	6.5
32	MP BETA4	X	.044	.5
33	MP GAMMA4	Z	-.032	6.5
34	MP GAMMA4	Z	-.032	.5
35	MP GAMMA4	X	.055	6.5
36	MP GAMMA4	X	.055	.5
37	MP ALPHA5	Z	-.007	4
38	MP ALPHA5	Z	-.007	2
39	MP ALPHA5	X	.012	4
40	MP ALPHA5	X	.012	2
41	MP BETA5	Z	-.007	4
42	MP BETA5	Z	-.007	2
43	MP BETA5	X	.012	4
44	MP BETA5	X	.012	2
45	MP GAMMA5	Z	-.012	4
46	MP GAMMA5	Z	-.012	2
47	MP GAMMA5	X	.021	4
48	MP GAMMA5	X	.021	2
49	MP BETA8	Z	-.006	0
50	MP BETA8	X	.011	0
51	MP ALPHA1	Z	-.000599	4
52	MP ALPHA1	X	.001	4
53	MP BETA1	Z	-.000599	4
54	MP BETA1	X	.001	4
55	MP GAMMA1	Z	-.001	4
56	MP GAMMA1	X	.002	4
57	MP ALPHA7	Z	-.000599	4
58	MP ALPHA7	X	.001	4
59	MP BETA7	Z	-.000599	4
60	MP BETA7	X	.001	4
61	MP GAMMA7	Z	-.001	4
62	MP GAMMA7	X	.002	4

Member Point Loads (BLC 36 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
63	MP ALPHA4	Z	-.003	3.5
64	MP ALPHA4	X	.006	3.5
65	MP BETA4	Z	-.003	3.5
66	MP BETA4	X	.006	3.5
67	MP GAMMA4	Z	-.004	3.5
68	MP GAMMA4	X	.007	3.5
69	MP ALPHA4	Z	-.003	3.5
70	MP ALPHA4	X	.005	3.5
71	MP BETA4	Z	-.003	3.5
72	MP BETA4	X	.005	3.5
73	MP GAMMA4	Z	-.004	3.5
74	MP GAMMA4	X	.007	3.5
75	MP ALPHA4	Z	-.002	3.5
76	MP ALPHA4	X	.003	3.5
77	MP BETA4	Z	-.002	3.5
78	MP BETA4	X	.003	3.5
79	MP GAMMA4	Z	-.00058	3.5
80	MP GAMMA4	X	.001	3.5

Member Point Loads (BLC 37 : Ice Wind Load (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.021	6.5
2	MP ALPHA1	X	.021	1.5
3	MP BETA1	X	.023	6.5
4	MP BETA1	X	.023	1.5
5	MP GAMMA1	X	.023	6.5
6	MP GAMMA1	X	.023	1.5
7	MP ALPHA7	X	.021	6.5
8	MP ALPHA7	X	.021	1.5
9	MP BETA7	X	.023	6.5
10	MP BETA7	X	.023	1.5
11	MP GAMMA7	X	.023	6.5
12	MP GAMMA7	X	.023	1.5
13	MP ALPHA4	X	.046	6.5
14	MP ALPHA4	X	.046	.5
15	MP BETA4	X	.059	6.5
16	MP BETA4	X	.059	.5
17	MP GAMMA4	X	.059	6.5
18	MP GAMMA4	X	.059	.5
19	MP ALPHA5	X	.01	4
20	MP ALPHA5	X	.01	2
21	MP BETA5	X	.021	4
22	MP BETA5	X	.021	2
23	MP GAMMA5	X	.021	4
24	MP GAMMA5	X	.021	2
25	MP BETA8	X	.015	0
26	MP ALPHA1	X	.000907	4
27	MP BETA1	X	.002	4
28	MP GAMMA1	X	.002	4
29	MP ALPHA7	X	.000907	4
30	MP BETA7	X	.002	4
31	MP GAMMA7	X	.002	4
32	MP ALPHA4	X	.006	3.5
33	MP BETA4	X	.008	3.5
34	MP GAMMA4	X	.008	3.5
35	MP ALPHA4	X	.005	3.5

Member Point Loads (BLC 37 : Ice Wind Load (270)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
36	MP BETA4	X	.008	3.5
37	MP GAMMA4	X	.008	3.5
38	MP ALPHA4	X	.004	3.5
39	MP BETA4	X	.002	3.5
40	MP GAMMA4	X	.002	3.5

Member Point Loads (BLC 38 : Ice Wind Load (300))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	.011	6.5
2	MP ALPHA1	Z	.011	1.5
3	MP ALPHA1	X	.019	6.5
4	MP ALPHA1	X	.019	1.5
5	MP BETA1	Z	.012	6.5
6	MP BETA1	Z	.012	1.5
7	MP BETA1	X	.02	6.5
8	MP BETA1	X	.02	1.5
9	MP GAMMA1	Z	.011	6.5
10	MP GAMMA1	Z	.011	1.5
11	MP GAMMA1	X	.019	6.5
12	MP GAMMA1	X	.019	1.5
13	MP ALPHA7	Z	.011	6.5
14	MP ALPHA7	Z	.011	1.5
15	MP ALPHA7	X	.019	6.5
16	MP ALPHA7	X	.019	1.5
17	MP BETA7	Z	.012	6.5
18	MP BETA7	Z	.012	1.5
19	MP BETA7	X	.02	6.5
20	MP BETA7	X	.02	1.5
21	MP GAMMA7	Z	.011	6.5
22	MP GAMMA7	Z	.011	1.5
23	MP GAMMA7	X	.019	6.5
24	MP GAMMA7	X	.019	1.5
25	MP ALPHA4	Z	.025	6.5
26	MP ALPHA4	Z	.025	.5
27	MP ALPHA4	X	.044	6.5
28	MP ALPHA4	X	.044	.5
29	MP BETA4	Z	.032	6.5
30	MP BETA4	Z	.032	.5
31	MP BETA4	X	.055	6.5
32	MP BETA4	X	.055	.5
33	MP GAMMA4	Z	.025	6.5
34	MP GAMMA4	Z	.025	.5
35	MP GAMMA4	X	.044	6.5
36	MP GAMMA4	X	.044	.5
37	MP ALPHA5	Z	.007	4
38	MP ALPHA5	Z	.007	2
39	MP ALPHA5	X	.012	4
40	MP ALPHA5	X	.012	2
41	MP BETA5	Z	.012	4
42	MP BETA5	Z	.012	2
43	MP BETA5	X	.021	4
44	MP BETA5	X	.021	2
45	MP GAMMA5	Z	.007	4
46	MP GAMMA5	Z	.007	2
47	MP GAMMA5	X	.012	4
48	MP GAMMA5	X	.012	2

Member Point Loads (BLC 38 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
49	MP BETA8	Z	.008	0
50	MP BETA8	X	.014	0
51	MP ALPHA1	Z	.000599	4
52	MP ALPHA1	X	.001	4
53	MP BETA1	Z	.001	4
54	MP BETA1	X	.002	4
55	MP GAMMA1	Z	.000599	4
56	MP GAMMA1	X	.001	4
57	MP ALPHA7	Z	.000599	4
58	MP ALPHA7	X	.001	4
59	MP BETA7	Z	.001	4
60	MP BETA7	X	.002	4
61	MP GAMMA7	Z	.000599	4
62	MP GAMMA7	X	.001	4
63	MP ALPHA4	Z	.003	3.5
64	MP ALPHA4	X	.006	3.5
65	MP BETA4	Z	.004	3.5
66	MP BETA4	X	.007	3.5
67	MP GAMMA4	Z	.003	3.5
68	MP GAMMA4	X	.006	3.5
69	MP ALPHA4	Z	.003	3.5
70	MP ALPHA4	X	.005	3.5
71	MP BETA4	Z	.004	3.5
72	MP BETA4	X	.007	3.5
73	MP GAMMA4	Z	.003	3.5
74	MP GAMMA4	X	.005	3.5
75	MP ALPHA4	Z	.002	3.5
76	MP ALPHA4	X	.003	3.5
77	MP BETA4	Z	.00058	3.5
78	MP BETA4	X	.001	3.5
79	MP GAMMA4	Z	.002	3.5
80	MP GAMMA4	X	.003	3.5

Member Point Loads (BLC 39 : Ice Wind Load (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	.02	6.5
2	MP ALPHA1	Z	.02	1.5
3	MP ALPHA1	X	.011	6.5
4	MP ALPHA1	X	.011	1.5
5	MP BETA1	Z	.02	6.5
6	MP BETA1	Z	.02	1.5
7	MP BETA1	X	.011	6.5
8	MP BETA1	X	.011	1.5
9	MP GAMMA1	Z	.018	6.5
10	MP GAMMA1	Z	.018	1.5
11	MP GAMMA1	X	.011	6.5
12	MP GAMMA1	X	.011	1.5
13	MP ALPHA7	Z	.02	6.5
14	MP ALPHA7	Z	.02	1.5
15	MP ALPHA7	X	.011	6.5
16	MP ALPHA7	X	.011	1.5
17	MP BETA7	Z	.02	6.5
18	MP BETA7	Z	.02	1.5
19	MP BETA7	X	.011	6.5
20	MP BETA7	X	.011	1.5
21	MP GAMMA7	Z	.018	6.5

Member Point Loads (BLC 39 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	MP GAMMA7	Z	.018	1.5
23	MP GAMMA7	X	.011	6.5
24	MP GAMMA7	X	.011	1.5
25	MP ALPHA4	Z	.051	6.5
26	MP ALPHA4	Z	.051	.5
27	MP ALPHA4	X	.029	6.5
28	MP ALPHA4	X	.029	.5
29	MP BETA4	Z	.051	6.5
30	MP BETA4	Z	.051	.5
31	MP BETA4	X	.029	6.5
32	MP BETA4	X	.029	.5
33	MP GAMMA4	Z	.04	6.5
34	MP GAMMA4	Z	.04	.5
35	MP GAMMA4	X	.023	6.5
36	MP GAMMA4	X	.023	.5
37	MP ALPHA5	Z	.018	4
38	MP ALPHA5	Z	.018	2
39	MP ALPHA5	X	.01	4
40	MP ALPHA5	X	.01	2
41	MP BETA5	Z	.018	4
42	MP BETA5	Z	.018	2
43	MP BETA5	X	.01	4
44	MP BETA5	X	.01	2
45	MP GAMMA5	Z	.009	4
46	MP GAMMA5	Z	.009	2
47	MP GAMMA5	X	.005	4
48	MP GAMMA5	X	.005	2
49	MP BETA8	Z	.013	0
50	MP BETA8	X	.008	0
51	MP ALPHA1	Z	.002	4
52	MP ALPHA1	X	.000891	4
53	MP BETA1	Z	.002	4
54	MP BETA1	X	.000891	4
55	MP GAMMA1	Z	.000785	4
56	MP GAMMA1	X	.000453	4
57	MP ALPHA7	Z	.002	4
58	MP ALPHA7	X	.000891	4
59	MP BETA7	Z	.002	4
60	MP BETA7	X	.000891	4
61	MP GAMMA7	Z	.000785	4
62	MP GAMMA7	X	.000453	4
63	MP ALPHA4	Z	.007	3.5
64	MP ALPHA4	X	.004	3.5
65	MP BETA4	Z	.007	3.5
66	MP BETA4	X	.004	3.5
67	MP GAMMA4	Z	.005	3.5
68	MP GAMMA4	X	.003	3.5
69	MP ALPHA4	Z	.007	3.5
70	MP ALPHA4	X	.004	3.5
71	MP BETA4	Z	.007	3.5
72	MP BETA4	X	.004	3.5
73	MP GAMMA4	Z	.005	3.5
74	MP GAMMA4	X	.003	3.5
75	MP ALPHA4	Z	.002	3.5
76	MP ALPHA4	X	.000909	3.5
77	MP BETA4	Z	.002	3.5
78	MP BETA4	X	.000909	3.5

Member Point Loads (BLC 39 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
79	MP GAMMA4	Z	.003	3.5
80	MP GAMMA4	X	.002	3.5

Member Point Loads (BLC 40 : Earthquake (x-direction))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.002	6.5
2	MP ALPHA1	X	-.002	1.5
3	MP BETA1	X	-.002	6.5
4	MP BETA1	X	-.002	1.5
5	MP GAMMA1	X	-.002	6.5
6	MP GAMMA1	X	-.002	1.5
7	MP ALPHA7	X	-.002	6.5
8	MP ALPHA7	X	-.002	1.5
9	MP BETA7	X	-.002	6.5
10	MP BETA7	X	-.002	1.5
11	MP GAMMA7	X	-.002	6.5
12	MP GAMMA7	X	-.002	1.5
13	MP ALPHA4	X	-.012	6.5
14	MP ALPHA4	X	-.012	.5
15	MP BETA4	X	-.012	6.5
16	MP BETA4	X	-.012	.5
17	MP GAMMA4	X	-.012	6.5
18	MP GAMMA4	X	-.012	.5
19	MP ALPHA5	X	-.006	4
20	MP ALPHA5	X	-.006	2
21	MP BETA5	X	-.006	4
22	MP BETA5	X	-.006	2
23	MP GAMMA5	X	-.006	4
24	MP GAMMA5	X	-.006	2
25	MP BETA8	X	-.005	0
26	MP ALPHA1	X	-.000442	4
27	MP BETA1	X	-.000442	4
28	MP GAMMA1	X	-.000442	4
29	MP ALPHA7	X	-.000442	4
30	MP BETA7	X	-.000442	4
31	MP GAMMA7	X	-.000442	4
32	MP ALPHA4	X	-.012	3.5
33	MP BETA4	X	-.012	3.5
34	MP GAMMA4	X	-.012	3.5
35	MP ALPHA4	X	-.01	3.5
36	MP BETA4	X	-.01	3.5
37	MP GAMMA4	X	-.01	3.5
38	MP ALPHA4	X	-.01	3.5
39	MP BETA4	X	-.01	3.5
40	MP GAMMA4	X	-.01	3.5

Member Point Loads (BLC 41 : Earthquake (y-direction))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.000915	6.5
2	MP ALPHA1	Y	-.000915	1.5
3	MP BETA1	Y	-.000915	6.5
4	MP BETA1	Y	-.000915	1.5
5	MP GAMMA1	Y	-.000915	6.5
6	MP GAMMA1	Y	-.000915	1.5
7	MP ALPHA7	Y	-.000915	6.5
8	MP ALPHA7	Y	-.000915	1.5

Member Point Loads (BLC 41 : Earthquake (y-direction)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
9	MP BETA7	Y	-.000915	6.5
10	MP BETA7	Y	-.000915	1.5
11	MP GAMMA7	Y	-.000915	6.5
12	MP GAMMA7	Y	-.000915	1.5
13	MP ALPHA4	Y	-.005	6.5
14	MP ALPHA4	Y	-.005	.5
15	MP BETA4	Y	-.005	6.5
16	MP BETA4	Y	-.005	.5
17	MP GAMMA4	Y	-.005	6.5
18	MP GAMMA4	Y	-.005	.5
19	MP ALPHA5	Y	-.002	4
20	MP ALPHA5	Y	-.002	2
21	MP BETA5	Y	-.002	4
22	MP BETA5	Y	-.002	2
23	MP GAMMA5	Y	-.002	4
24	MP GAMMA5	Y	-.002	2
25	MP BETA8	Y	-.002	0
26	MP ALPHA1	Y	-.000177	4
27	MP BETA1	Y	-.000177	4
28	MP GAMMA1	Y	-.000177	4
29	MP ALPHA7	Y	-.000177	4
30	MP BETA7	Y	-.000177	4
31	MP GAMMA7	Y	-.000177	4
32	MP ALPHA4	Y	-.005	3.5
33	MP BETA4	Y	-.005	3.5
34	MP GAMMA4	Y	-.005	3.5
35	MP ALPHA4	Y	-.004	3.5
36	MP BETA4	Y	-.004	3.5
37	MP GAMMA4	Y	-.004	3.5
38	MP ALPHA4	Y	-.004	3.5
39	MP BETA4	Y	-.004	3.5
40	MP GAMMA4	Y	-.004	3.5

Member Point Loads (BLC 42 : Earthquake (z-direction))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA1	Z	.002	6.5
2	MP ALPHA1	Z	.002	1.5
3	MP BETA1	Z	.002	6.5
4	MP BETA1	Z	.002	1.5
5	MP GAMMA1	Z	.002	6.5
6	MP GAMMA1	Z	.002	1.5
7	MP ALPHA7	Z	.002	6.5
8	MP ALPHA7	Z	.002	1.5
9	MP BETA7	Z	.002	6.5
10	MP BETA7	Z	.002	1.5
11	MP GAMMA7	Z	.002	6.5
12	MP GAMMA7	Z	.002	1.5
13	MP ALPHA4	Z	.012	6.5
14	MP ALPHA4	Z	.012	.5
15	MP BETA4	Z	.012	6.5
16	MP BETA4	Z	.012	.5
17	MP GAMMA4	Z	.012	6.5
18	MP GAMMA4	Z	.012	.5
19	MP ALPHA5	Z	.006	4
20	MP ALPHA5	Z	.006	2
21	MP BETA5	Z	.006	4

Member Point Loads (BLC 42 : Earthquake (z-direction)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
22	MP BETA5	Z	.006	2
23	MP GAMMA5	Z	.006	4
24	MP GAMMA5	Z	.006	2
25	MP BETA8	Z	.005	0
26	MP ALPHA1	Z	.000442	4
27	MP BETA1	Z	.000442	4
28	MP GAMMA1	Z	.000442	4
29	MP ALPHA7	Z	.000442	4
30	MP BETA7	Z	.000442	4
31	MP GAMMA7	Z	.000442	4
32	MP ALPHA4	Z	.012	3.5
33	MP BETA4	Z	.012	3.5
34	MP GAMMA4	Z	.012	3.5
35	MP ALPHA4	Z	.01	3.5
36	MP BETA4	Z	.01	3.5
37	MP GAMMA4	Z	.01	3.5
38	MP ALPHA4	Z	.01	3.5
39	MP BETA4	Z	.01	3.5
40	MP GAMMA4	Z	.01	3.5

Member Distributed Loads (BLC 2 : Wind Load (0))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SOPLATE3	PZ	.000997	.000997	0	0
2	SOPLATE2	PZ	.000997	.000997	0	0
3	SOPLATE1	PZ	.000997	.000997	0	0
4	SO3	PZ	.007	.007	0	0
5	SO2	PZ	.007	.007	0	0
6	SO1	PZ	.007	.007	0	0
7	RAILPLATE3	PZ	.001	.001	0	0
8	RAILPLATE2	PZ	.001	.001	0	0
9	RAILPLATE1	PZ	.001	.001	0	0
10	RAIL3	PZ	.016	.016	0	0
11	RAIL2	PZ	.016	.016	0	0
12	RAIL1	PZ	.008	.008	0	0
13	MP GAMMA7	PZ	.011	.011	0	0
14	MP GAMMA6	PZ	.011	.011	0	0
15	MP GAMMA5	PZ	.011	.011	0	0
16	MP GAMMA4	PZ	.011	.011	0	0
17	MP GAMMA3	PZ	.011	.011	0	0
18	MP GAMMA2	PZ	.011	.011	0	0
19	MP GAMMA1	PZ	.011	.011	0	0
20	MP BETA7	PZ	.011	.011	0	0
21	MP BETA6	PZ	.011	.011	0	0
22	MP BETA5	PZ	.011	.011	0	0
23	MP BETA4	PZ	.011	.011	0	0
24	MP BETA3	PZ	.011	.011	0	0
25	MP BETA2	PZ	.011	.011	0	0
26	MP BETA1	PZ	.011	.011	0	0
27	MP ALPHA7	PZ	.011	.011	0	0
28	MP ALPHA6	PZ	.011	.011	0	0
29	MP ALPHA5	PZ	.011	.011	0	0
30	MP ALPHA4	PZ	.011	.011	0	0
31	MP ALPHA3	PZ	.011	.011	0	0
32	MP ALPHA2	PZ	.011	.011	0	0
33	MP ALPHA1	PZ	.011	.011	0	0

Member Distributed Loads (BLC 2 : Wind Load (0)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
34	KICKER3	PZ	.008	.008	0	0
35	KICKER2	PZ	.008	.008	0	0
36	KICKER1	PZ	.008	.008	0	0
37	FACE3	PZ	.027	.027	0	0
38	FACE2	PZ	.027	.027	0	0
39	FACE1	PZ	.013	.013	0	0
40	CRPLATE6	PZ	.008	.008	0	0
41	CRPLATE5	PZ	.008	.008	0	0
42	CRPLATE4	PZ	.008	.008	0	0
43	CRPLATE3	PZ	.008	.008	0	0
44	CRPLATE2	PZ	.008	.008	0	0
45	CRPLATE1	PZ	.008	.008	0	0
46	CR3	PZ	.011	.011	0	0
47	CR2	PZ	.011	.011	0	0
48	CR1	PZ	.011	.011	0	0

Member Distributed Loads (BLC 4 : Wind Load (30))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SOPLATE3	PZ	.000863	.000863	0	0
2	SOPLATE2	PZ	.000863	.000863	0	0
3	SOPLATE1	PZ	.000863	.000863	0	0
4	SO3	PZ	.006	.006	0	0
5	SO2	PZ	.006	.006	0	0
6	SO1	PZ	.006	.006	0	0
7	RAILPLATE3	PZ	.001	.001	0	0
8	RAILPLATE2	PZ	.001	.001	0	0
9	RAILPLATE1	PZ	.001	.001	0	0
10	RAIL3	PZ	.014	.014	0	0
11	RAIL2	PZ	.014	.014	0	0
12	RAIL1	PZ	.007	.007	0	0
13	MP GAMMA7	PZ	.01	.01	0	0
14	MP GAMMA6	PZ	.01	.01	0	0
15	MP GAMMA5	PZ	.01	.01	0	0
16	MP GAMMA4	PZ	.01	.01	0	0
17	MP GAMMA3	PZ	.01	.01	0	0
18	MP GAMMA2	PZ	.01	.01	0	0
19	MP GAMMA1	PZ	.01	.01	0	0
20	MP BETA7	PZ	.01	.01	0	0
21	MP BETA6	PZ	.01	.01	0	0
22	MP BETA5	PZ	.01	.01	0	0
23	MP BETA4	PZ	.01	.01	0	0
24	MP BETA3	PZ	.01	.01	0	0
25	MP BETA2	PZ	.01	.01	0	0
26	MP BETA1	PZ	.01	.01	0	0
27	MP ALPHA7	PZ	.01	.01	0	0
28	MP ALPHA6	PZ	.01	.01	0	0
29	MP ALPHA5	PZ	.01	.01	0	0
30	MP ALPHA4	PZ	.01	.01	0	0
31	MP ALPHA3	PZ	.01	.01	0	0
32	MP ALPHA2	PZ	.01	.01	0	0
33	MP ALPHA1	PZ	.01	.01	0	0
34	KICKER3	PZ	.007	.007	0	0
35	KICKER2	PZ	.007	.007	0	0
36	KICKER1	PZ	.007	.007	0	0
37	FACE3	PZ	.023	.023	0	0
38	FACE2	PZ	.023	.023	0	0

Member Distributed Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
39	FACE1	PZ	.012	.012	0	0
40	CRPLATE6	PZ	.007	.007	0	0
41	CRPLATE5	PZ	.007	.007	0	0
42	CRPLATE4	PZ	.007	.007	0	0
43	CRPLATE3	PZ	.007	.007	0	0
44	CRPLATE2	PZ	.007	.007	0	0
45	CRPLATE1	PZ	.007	.007	0	0
46	CR3	PZ	.009	.009	0	0
47	CR2	PZ	.009	.009	0	0
48	CR1	PZ	.009	.009	0	0
49	SOPLATE3	PX	-.000498	-.000498	0	0
50	SOPLATE2	PX	-.000498	-.000498	0	0
51	SOPLATE1	PX	-.000498	-.000498	0	0
52	SO3	PX	-.003	-.003	0	0
53	SO2	PX	-.003	-.003	0	0
54	SO1	PX	-.003	-.003	0	0
55	RAILPLATE3	PX	-.000664	-.000664	0	0
56	RAILPLATE2	PX	-.000664	-.000664	0	0
57	RAILPLATE1	PX	-.000664	-.000664	0	0
58	RAIL3	PX	-.008	-.008	0	0
59	RAIL2	PX	-.008	-.008	0	0
60	RAIL1	PX	-.004	-.004	0	0
61	MP GAMMA7	PX	-.006	-.006	0	0
62	MP GAMMA6	PX	-.006	-.006	0	0
63	MP GAMMA5	PX	-.006	-.006	0	0
64	MP GAMMA4	PX	-.006	-.006	0	0
65	MP GAMMA3	PX	-.006	-.006	0	0
66	MP GAMMA2	PX	-.006	-.006	0	0
67	MP GAMMA1	PX	-.006	-.006	0	0
68	MP BETA7	PX	-.006	-.006	0	0
69	MP BETA6	PX	-.006	-.006	0	0
70	MP BETA5	PX	-.006	-.006	0	0
71	MP BETA4	PX	-.006	-.006	0	0
72	MP BETA3	PX	-.006	-.006	0	0
73	MP BETA2	PX	-.006	-.006	0	0
74	MP BETA1	PX	-.006	-.006	0	0
75	MP ALPHA7	PX	-.006	-.006	0	0
76	MP ALPHA6	PX	-.006	-.006	0	0
77	MP ALPHA5	PX	-.006	-.006	0	0
78	MP ALPHA4	PX	-.006	-.006	0	0
79	MP ALPHA3	PX	-.006	-.006	0	0
80	MP ALPHA2	PX	-.006	-.006	0	0
81	MP ALPHA1	PX	-.006	-.006	0	0
82	KICKER3	PX	-.004	-.004	0	0
83	KICKER2	PX	-.004	-.004	0	0
84	KICKER1	PX	-.004	-.004	0	0
85	FACE3	PX	-.013	-.013	0	0
86	FACE2	PX	-.013	-.013	0	0
87	FACE1	PX	-.007	-.007	0	0
88	CRPLATE6	PX	-.004	-.004	0	0
89	CRPLATE5	PX	-.004	-.004	0	0
90	CRPLATE4	PX	-.004	-.004	0	0
91	CRPLATE3	PX	-.004	-.004	0	0
92	CRPLATE2	PX	-.004	-.004	0	0
93	CRPLATE1	PX	-.004	-.004	0	0
94	CR3	PX	-.005	-.005	0	0
95	CR2	PX	-.005	-.005	0	0

Member Distributed Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
96	CR1	PX	-.005	-.005	0	0

Member Distributed Loads (BLC 5 : Wind Load (60))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SOPLATE3	PZ	.000498	.000498	0	0
2	SOPLATE2	PZ	.000498	.000498	0	0
3	SOPLATE1	PZ	.000498	.000498	0	0
4	SO3	PZ	.003	.003	0	0
5	SO2	PZ	.003	.003	0	0
6	SO1	PZ	.003	.003	0	0
7	RAILPLATE3	PZ	.000664	.000664	0	0
8	RAILPLATE2	PZ	.000664	.000664	0	0
9	RAILPLATE1	PZ	.000664	.000664	0	0
10	RAIL3	PZ	.008	.008	0	0
11	RAIL2	PZ	.008	.008	0	0
12	RAIL1	PZ	.004	.004	0	0
13	MP GAMMA7	PZ	.006	.006	0	0
14	MP GAMMA6	PZ	.006	.006	0	0
15	MP GAMMA5	PZ	.006	.006	0	0
16	MP GAMMA4	PZ	.006	.006	0	0
17	MP GAMMA3	PZ	.006	.006	0	0
18	MP GAMMA2	PZ	.006	.006	0	0
19	MP GAMMA1	PZ	.006	.006	0	0
20	MP BETA7	PZ	.006	.006	0	0
21	MP BETA6	PZ	.006	.006	0	0
22	MP BETA5	PZ	.006	.006	0	0
23	MP BETA4	PZ	.006	.006	0	0
24	MP BETA3	PZ	.006	.006	0	0
25	MP BETA2	PZ	.006	.006	0	0
26	MP BETA1	PZ	.006	.006	0	0
27	MP ALPHA7	PZ	.006	.006	0	0
28	MP ALPHA6	PZ	.006	.006	0	0
29	MP ALPHA5	PZ	.006	.006	0	0
30	MP ALPHA4	PZ	.006	.006	0	0
31	MP ALPHA3	PZ	.006	.006	0	0
32	MP ALPHA2	PZ	.006	.006	0	0
33	MP ALPHA1	PZ	.006	.006	0	0
34	KICKER3	PZ	.004	.004	0	0
35	KICKER2	PZ	.004	.004	0	0
36	KICKER1	PZ	.004	.004	0	0
37	FACE3	PZ	.013	.013	0	0
38	FACE2	PZ	.013	.013	0	0
39	FACE1	PZ	.007	.007	0	0
40	CRPLATE6	PZ	.004	.004	0	0
41	CRPLATE5	PZ	.004	.004	0	0
42	CRPLATE4	PZ	.004	.004	0	0
43	CRPLATE3	PZ	.004	.004	0	0
44	CRPLATE2	PZ	.004	.004	0	0
45	CRPLATE1	PZ	.004	.004	0	0
46	CR3	PZ	.005	.005	0	0
47	CR2	PZ	.005	.005	0	0
48	CR1	PZ	.005	.005	0	0
49	SOPLATE3	PX	-.000863	-.000863	0	0
50	SOPLATE2	PX	-.000863	-.000863	0	0
51	SOPLATE1	PX	-.000863	-.000863	0	0
52	SO3	PX	-.006	-.006	0	0

Member Distributed Loads (BLC 5 : Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
53	SO2	PX	-0.006	-0.006	0	0
54	SO1	PX	-0.006	-0.006	0	0
55	RAILPLATE3	PX	-0.001	-0.001	0	0
56	RAILPLATE2	PX	-0.001	-0.001	0	0
57	RAILPLATE1	PX	-0.001	-0.001	0	0
58	RAIL3	PX	-0.014	-0.014	0	0
59	RAIL2	PX	-0.014	-0.014	0	0
60	RAIL1	PX	-0.007	-0.007	0	0
61	MP GAMMA7	PX	-0.01	-0.01	0	0
62	MP GAMMA6	PX	-0.01	-0.01	0	0
63	MP GAMMA5	PX	-0.01	-0.01	0	0
64	MP GAMMA4	PX	-0.01	-0.01	0	0
65	MP GAMMA3	PX	-0.01	-0.01	0	0
66	MP GAMMA2	PX	-0.01	-0.01	0	0
67	MP GAMMA1	PX	-0.01	-0.01	0	0
68	MP BETA7	PX	-0.01	-0.01	0	0
69	MP BETA6	PX	-0.01	-0.01	0	0
70	MP BETA5	PX	-0.01	-0.01	0	0
71	MP BETA4	PX	-0.01	-0.01	0	0
72	MP BETA3	PX	-0.01	-0.01	0	0
73	MP BETA2	PX	-0.01	-0.01	0	0
74	MP BETA1	PX	-0.01	-0.01	0	0
75	MP ALPHA7	PX	-0.01	-0.01	0	0
76	MP ALPHA6	PX	-0.01	-0.01	0	0
77	MP ALPHA5	PX	-0.01	-0.01	0	0
78	MP ALPHA4	PX	-0.01	-0.01	0	0
79	MP ALPHA3	PX	-0.01	-0.01	0	0
80	MP ALPHA2	PX	-0.01	-0.01	0	0
81	MP ALPHA1	PX	-0.01	-0.01	0	0
82	KICKER3	PX	-0.007	-0.007	0	0
83	KICKER2	PX	-0.007	-0.007	0	0
84	KICKER1	PX	-0.007	-0.007	0	0
85	FACE3	PX	-0.023	-0.023	0	0
86	FACE2	PX	-0.023	-0.023	0	0
87	FACE1	PX	-0.012	-0.012	0	0
88	CRPLATE6	PX	-0.007	-0.007	0	0
89	CRPLATE5	PX	-0.007	-0.007	0	0
90	CRPLATE4	PX	-0.007	-0.007	0	0
91	CRPLATE3	PX	-0.007	-0.007	0	0
92	CRPLATE2	PX	-0.007	-0.007	0	0
93	CRPLATE1	PX	-0.007	-0.007	0	0
94	CR3	PX	-0.009	-0.009	0	0
95	CR2	PX	-0.009	-0.009	0	0
96	CR1	PX	-0.009	-0.009	0	0

Member Distributed Loads (BLC 6 : Wind Load (90))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
1	SOPLATE3	PX	-0.000997	-0.000997	0	0
2	SOPLATE2	PX	-0.000997	-0.000997	0	0
3	SOPLATE1	PX	-0.000997	-0.000997	0	0
4	SO3	PX	-0.007	-0.007	0	0
5	SO2	PX	-0.007	-0.007	0	0
6	SO1	PX	-0.007	-0.007	0	0
7	RAILPLATE3	PX	-0.001	-0.001	0	0
8	RAILPLATE2	PX	-0.001	-0.001	0	0
9	RAILPLATE1	PX	-0.001	-0.001	0	0

Member Distributed Loads (BLC 6 : Wind Load (90)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
10	RAIL3	PX	-0.016	-0.016	0	0
11	RAIL1	PX	-0.016	-0.016	0	0
12	RAIL2	PX	-0.008	-0.008	0	0
13	MP GAMMA7	PX	-0.011	-0.011	0	0
14	MP GAMMA6	PX	-0.011	-0.011	0	0
15	MP GAMMA5	PX	-0.011	-0.011	0	0
16	MP GAMMA4	PX	-0.011	-0.011	0	0
17	MP GAMMA3	PX	-0.011	-0.011	0	0
18	MP GAMMA2	PX	-0.011	-0.011	0	0
19	MP GAMMA1	PX	-0.011	-0.011	0	0
20	MP BETA7	PX	-0.011	-0.011	0	0
21	MP BETA6	PX	-0.011	-0.011	0	0
22	MP BETA5	PX	-0.011	-0.011	0	0
23	MP BETA4	PX	-0.011	-0.011	0	0
24	MP BETA3	PX	-0.011	-0.011	0	0
25	MP BETA2	PX	-0.011	-0.011	0	0
26	MP BETA1	PX	-0.011	-0.011	0	0
27	MP ALPHA7	PX	-0.011	-0.011	0	0
28	MP ALPHA6	PX	-0.011	-0.011	0	0
29	MP ALPHA5	PX	-0.011	-0.011	0	0
30	MP ALPHA4	PX	-0.011	-0.011	0	0
31	MP ALPHA3	PX	-0.011	-0.011	0	0
32	MP ALPHA2	PX	-0.011	-0.011	0	0
33	MP ALPHA1	PX	-0.011	-0.011	0	0
34	KICKER3	PX	-0.008	-0.008	0	0
35	KICKER2	PX	-0.008	-0.008	0	0
36	KICKER1	PX	-0.008	-0.008	0	0
37	FACE3	PX	-0.027	-0.027	0	0
38	FACE1	PX	-0.027	-0.027	0	0
39	FACE2	PX	-0.013	-0.013	0	0
40	CRPLATE6	PX	-0.008	-0.008	0	0
41	CRPLATE5	PX	-0.008	-0.008	0	0
42	CRPLATE4	PX	-0.008	-0.008	0	0
43	CRPLATE3	PX	-0.008	-0.008	0	0
44	CRPLATE2	PX	-0.008	-0.008	0	0
45	CRPLATE1	PX	-0.008	-0.008	0	0
46	CR3	PX	-0.011	-0.011	0	0
47	CR2	PX	-0.011	-0.011	0	0
48	CR1	PX	-0.011	-0.011	0	0

Member Distributed Loads (BLC 7 : Wind Load (120))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SOPLATE3	PZ	-0.000498	-0.000498	0	0
2	SOPLATE2	PZ	-0.000498	-0.000498	0	0
3	SOPLATE1	PZ	-0.000498	-0.000498	0	0
4	SO3	PZ	-0.003	-0.003	0	0
5	SO2	PZ	-0.003	-0.003	0	0
6	SO1	PZ	-0.003	-0.003	0	0
7	RAILPLATE3	PZ	-0.000664	-0.000664	0	0
8	RAILPLATE2	PZ	-0.000664	-0.000664	0	0
9	RAILPLATE1	PZ	-0.000664	-0.000664	0	0
10	RAIL3	PZ	-0.008	-0.008	0	0
11	RAIL1	PZ	-0.008	-0.008	0	0
12	RAIL2	PZ	-0.004	-0.004	0	0
13	MP GAMMA7	PZ	-0.006	-0.006	0	0
14	MP GAMMA6	PZ	-0.006	-0.006	0	0

Member Distributed Loads (BLC 7 : Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
15	MP GAMMA5	PZ	-0.006	-0.006	0	0
16	MP GAMMA4	PZ	-0.006	-0.006	0	0
17	MP GAMMA3	PZ	-0.006	-0.006	0	0
18	MP GAMMA2	PZ	-0.006	-0.006	0	0
19	MP GAMMA1	PZ	-0.006	-0.006	0	0
20	MP BETA7	PZ	-0.006	-0.006	0	0
21	MP BETA6	PZ	-0.006	-0.006	0	0
22	MP BETA5	PZ	-0.006	-0.006	0	0
23	MP BETA4	PZ	-0.006	-0.006	0	0
24	MP BETA3	PZ	-0.006	-0.006	0	0
25	MP BETA2	PZ	-0.006	-0.006	0	0
26	MP BETA1	PZ	-0.006	-0.006	0	0
27	MP ALPHA7	PZ	-0.006	-0.006	0	0
28	MP ALPHA6	PZ	-0.006	-0.006	0	0
29	MP ALPHA5	PZ	-0.006	-0.006	0	0
30	MP ALPHA4	PZ	-0.006	-0.006	0	0
31	MP ALPHA3	PZ	-0.006	-0.006	0	0
32	MP ALPHA2	PZ	-0.006	-0.006	0	0
33	MP ALPHA1	PZ	-0.006	-0.006	0	0
34	KICKER3	PZ	-0.004	-0.004	0	0
35	KICKER2	PZ	-0.004	-0.004	0	0
36	KICKER1	PZ	-0.004	-0.004	0	0
37	FACE3	PZ	-0.013	-0.013	0	0
38	FACE1	PZ	-0.013	-0.013	0	0
39	FACE2	PZ	-0.007	-0.007	0	0
40	CRPLATE6	PZ	-0.004	-0.004	0	0
41	CRPLATE5	PZ	-0.004	-0.004	0	0
42	CRPLATE4	PZ	-0.004	-0.004	0	0
43	CRPLATE3	PZ	-0.004	-0.004	0	0
44	CRPLATE2	PZ	-0.004	-0.004	0	0
45	CRPLATE1	PZ	-0.004	-0.004	0	0
46	CR3	PZ	-0.005	-0.005	0	0
47	CR2	PZ	-0.005	-0.005	0	0
48	CR1	PZ	-0.005	-0.005	0	0
49	SOPLATE3	PX	-0.000863	-0.000863	0	0
50	SOPLATE2	PX	-0.000863	-0.000863	0	0
51	SOPLATE1	PX	-0.000863	-0.000863	0	0
52	SO3	PX	-0.006	-0.006	0	0
53	SO2	PX	-0.006	-0.006	0	0
54	SO1	PX	-0.006	-0.006	0	0
55	RAILPLATE3	PX	-0.001	-0.001	0	0
56	RAILPLATE2	PX	-0.001	-0.001	0	0
57	RAILPLATE1	PX	-0.001	-0.001	0	0
58	RAIL3	PX	-0.014	-0.014	0	0
59	RAIL1	PX	-0.014	-0.014	0	0
60	RAIL2	PX	-0.007	-0.007	0	0
61	MP GAMMA7	PX	-0.01	-0.01	0	0
62	MP GAMMA6	PX	-0.01	-0.01	0	0
63	MP GAMMA5	PX	-0.01	-0.01	0	0
64	MP GAMMA4	PX	-0.01	-0.01	0	0
65	MP GAMMA3	PX	-0.01	-0.01	0	0
66	MP GAMMA2	PX	-0.01	-0.01	0	0
67	MP GAMMA1	PX	-0.01	-0.01	0	0
68	MP BETA7	PX	-0.01	-0.01	0	0
69	MP BETA6	PX	-0.01	-0.01	0	0
70	MP BETA5	PX	-0.01	-0.01	0	0
71	MP BETA4	PX	-0.01	-0.01	0	0

Member Distributed Loads (BLC 7 : Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
72	MP BETA3	PX	-0.1	-0.1	0	0
73	MP BETA2	PX	-0.1	-0.1	0	0
74	MP BETA1	PX	-0.1	-0.1	0	0
75	MP ALPHA7	PX	-0.1	-0.1	0	0
76	MP ALPHA6	PX	-0.1	-0.1	0	0
77	MP ALPHA5	PX	-0.1	-0.1	0	0
78	MP ALPHA4	PX	-0.1	-0.1	0	0
79	MP ALPHA3	PX	-0.1	-0.1	0	0
80	MP ALPHA2	PX	-0.1	-0.1	0	0
81	MP ALPHA1	PX	-0.1	-0.1	0	0
82	KICKER3	PX	-0.007	-0.007	0	0
83	KICKER2	PX	-0.007	-0.007	0	0
84	KICKER1	PX	-0.007	-0.007	0	0
85	FACE3	PX	-0.023	-0.023	0	0
86	FACE1	PX	-0.023	-0.023	0	0
87	FACE2	PX	-0.012	-0.012	0	0
88	CRPLATE6	PX	-0.007	-0.007	0	0
89	CRPLATE5	PX	-0.007	-0.007	0	0
90	CRPLATE4	PX	-0.007	-0.007	0	0
91	CRPLATE3	PX	-0.007	-0.007	0	0
92	CRPLATE2	PX	-0.007	-0.007	0	0
93	CRPLATE1	PX	-0.007	-0.007	0	0
94	CR3	PX	-0.009	-0.009	0	0
95	CR2	PX	-0.009	-0.009	0	0
96	CR1	PX	-0.009	-0.009	0	0

Member Distributed Loads (BLC 8 : Wind Load (150))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SOPLATE3	PZ	-0.000863	-0.000863	0	0
2	SOPLATE2	PZ	-0.000863	-0.000863	0	0
3	SOPLATE1	PZ	-0.000863	-0.000863	0	0
4	SO3	PZ	-0.006	-0.006	0	0
5	SO2	PZ	-0.006	-0.006	0	0
6	SO1	PZ	-0.006	-0.006	0	0
7	RAILPLATE3	PZ	-0.001	-0.001	0	0
8	RAILPLATE2	PZ	-0.001	-0.001	0	0
9	RAILPLATE1	PZ	-0.001	-0.001	0	0
10	RAIL3	PZ	-0.014	-0.014	0	0
11	RAIL1	PZ	-0.014	-0.014	0	0
12	RAIL2	PZ	-0.007	-0.007	0	0
13	MP GAMMA7	PZ	-0.1	-0.1	0	0
14	MP GAMMA6	PZ	-0.1	-0.1	0	0
15	MP GAMMA5	PZ	-0.1	-0.1	0	0
16	MP GAMMA4	PZ	-0.1	-0.1	0	0
17	MP GAMMA3	PZ	-0.1	-0.1	0	0
18	MP GAMMA2	PZ	-0.1	-0.1	0	0
19	MP GAMMA1	PZ	-0.1	-0.1	0	0
20	MP BETA7	PZ	-0.1	-0.1	0	0
21	MP BETA6	PZ	-0.1	-0.1	0	0
22	MP BETA5	PZ	-0.1	-0.1	0	0
23	MP BETA4	PZ	-0.1	-0.1	0	0
24	MP BETA3	PZ	-0.1	-0.1	0	0
25	MP BETA2	PZ	-0.1	-0.1	0	0
26	MP BETA1	PZ	-0.1	-0.1	0	0
27	MP ALPHA7	PZ	-0.1	-0.1	0	0
28	MP ALPHA6	PZ	-0.1	-0.1	0	0

Member Distributed Loads (BLC 8 : Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
29	MP ALPHA5	PZ	-.01	-.01	0	0
30	MP ALPHA4	PZ	-.01	-.01	0	0
31	MP ALPHA3	PZ	-.01	-.01	0	0
32	MP ALPHA2	PZ	-.01	-.01	0	0
33	MP ALPHA1	PZ	-.01	-.01	0	0
34	KICKER3	PZ	-.007	-.007	0	0
35	KICKER2	PZ	-.007	-.007	0	0
36	KICKER1	PZ	-.007	-.007	0	0
37	FACE3	PZ	-.023	-.023	0	0
38	FACE1	PZ	-.023	-.023	0	0
39	FACE2	PZ	-.012	-.012	0	0
40	CRPLATE6	PZ	-.007	-.007	0	0
41	CRPLATE5	PZ	-.007	-.007	0	0
42	CRPLATE4	PZ	-.007	-.007	0	0
43	CRPLATE3	PZ	-.007	-.007	0	0
44	CRPLATE2	PZ	-.007	-.007	0	0
45	CRPLATE1	PZ	-.007	-.007	0	0
46	CR3	PZ	-.009	-.009	0	0
47	CR2	PZ	-.009	-.009	0	0
48	CR1	PZ	-.009	-.009	0	0
49	SOPLATE3	PX	-.000498	-.000498	0	0
50	SOPLATE2	PX	-.000498	-.000498	0	0
51	SOPLATE1	PX	-.000498	-.000498	0	0
52	SO3	PX	-.003	-.003	0	0
53	SO2	PX	-.003	-.003	0	0
54	SO1	PX	-.003	-.003	0	0
55	RAILPLATE3	PX	-.000664	-.000664	0	0
56	RAILPLATE2	PX	-.000664	-.000664	0	0
57	RAILPLATE1	PX	-.000664	-.000664	0	0
58	RAIL3	PX	-.008	-.008	0	0
59	RAIL1	PX	-.008	-.008	0	0
60	RAIL2	PX	-.004	-.004	0	0
61	MP GAMMA7	PX	-.006	-.006	0	0
62	MP GAMMA6	PX	-.006	-.006	0	0
63	MP GAMMA5	PX	-.006	-.006	0	0
64	MP GAMMA4	PX	-.006	-.006	0	0
65	MP GAMMA3	PX	-.006	-.006	0	0
66	MP GAMMA2	PX	-.006	-.006	0	0
67	MP GAMMA1	PX	-.006	-.006	0	0
68	MP BETA7	PX	-.006	-.006	0	0
69	MP BETA6	PX	-.006	-.006	0	0
70	MP BETA5	PX	-.006	-.006	0	0
71	MP BETA4	PX	-.006	-.006	0	0
72	MP BETA3	PX	-.006	-.006	0	0
73	MP BETA2	PX	-.006	-.006	0	0
74	MP BETA1	PX	-.006	-.006	0	0
75	MP ALPHA7	PX	-.006	-.006	0	0
76	MP ALPHA6	PX	-.006	-.006	0	0
77	MP ALPHA5	PX	-.006	-.006	0	0
78	MP ALPHA4	PX	-.006	-.006	0	0
79	MP ALPHA3	PX	-.006	-.006	0	0
80	MP ALPHA2	PX	-.006	-.006	0	0
81	MP ALPHA1	PX	-.006	-.006	0	0
82	KICKER3	PX	-.004	-.004	0	0
83	KICKER2	PX	-.004	-.004	0	0
84	KICKER1	PX	-.004	-.004	0	0
85	FACE3	PX	-.013	-.013	0	0

Member Distributed Loads (BLC 8 : Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
86	FACE1	PX	-0.013	-0.013	0	0
87	FACE2	PX	-0.007	-0.007	0	0
88	CRPLATE6	PX	-0.004	-0.004	0	0
89	CRPLATE5	PX	-0.004	-0.004	0	0
90	CRPLATE4	PX	-0.004	-0.004	0	0
91	CRPLATE3	PX	-0.004	-0.004	0	0
92	CRPLATE2	PX	-0.004	-0.004	0	0
93	CRPLATE1	PX	-0.004	-0.004	0	0
94	CR3	PX	-0.005	-0.005	0	0
95	CR2	PX	-0.005	-0.005	0	0
96	CR1	PX	-0.005	-0.005	0	0

Member Distributed Loads (BLC 9 : Wind Load (180))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SOPLATE3	PZ	-0.000997	-0.000997	0	0
2	SOPLATE2	PZ	-0.000997	-0.000997	0	0
3	SOPLATE1	PZ	-0.000997	-0.000997	0	0
4	SO3	PZ	-0.007	-0.007	0	0
5	SO2	PZ	-0.007	-0.007	0	0
6	SO1	PZ	-0.007	-0.007	0	0
7	RAILPLATE3	PZ	-0.001	-0.001	0	0
8	RAILPLATE2	PZ	-0.001	-0.001	0	0
9	RAILPLATE1	PZ	-0.001	-0.001	0	0
10	RAIL3	PZ	-0.016	-0.016	0	0
11	RAIL1	PZ	-0.016	-0.016	0	0
12	RAIL2	PZ	-0.008	-0.008	0	0
13	MP GAMMA7	PZ	-0.011	-0.011	0	0
14	MP GAMMA6	PZ	-0.011	-0.011	0	0
15	MP GAMMA5	PZ	-0.011	-0.011	0	0
16	MP GAMMA4	PZ	-0.011	-0.011	0	0
17	MP GAMMA3	PZ	-0.011	-0.011	0	0
18	MP GAMMA2	PZ	-0.011	-0.011	0	0
19	MP GAMMA1	PZ	-0.011	-0.011	0	0
20	MP BETA7	PZ	-0.011	-0.011	0	0
21	MP BETA6	PZ	-0.011	-0.011	0	0
22	MP BETA5	PZ	-0.011	-0.011	0	0
23	MP BETA4	PZ	-0.011	-0.011	0	0
24	MP BETA3	PZ	-0.011	-0.011	0	0
25	MP BETA2	PZ	-0.011	-0.011	0	0
26	MP BETA1	PZ	-0.011	-0.011	0	0
27	MP ALPHA7	PZ	-0.011	-0.011	0	0
28	MP ALPHA6	PZ	-0.011	-0.011	0	0
29	MP ALPHA5	PZ	-0.011	-0.011	0	0
30	MP ALPHA4	PZ	-0.011	-0.011	0	0
31	MP ALPHA3	PZ	-0.011	-0.011	0	0
32	MP ALPHA2	PZ	-0.011	-0.011	0	0
33	MP ALPHA1	PZ	-0.011	-0.011	0	0
34	KICKER3	PZ	-0.008	-0.008	0	0
35	KICKER2	PZ	-0.008	-0.008	0	0
36	KICKER1	PZ	-0.008	-0.008	0	0
37	FACE3	PZ	-0.027	-0.027	0	0
38	FACE1	PZ	-0.027	-0.027	0	0
39	FACE2	PZ	-0.013	-0.013	0	0
40	CRPLATE6	PZ	-0.008	-0.008	0	0
41	CRPLATE5	PZ	-0.008	-0.008	0	0
42	CRPLATE4	PZ	-0.008	-0.008	0	0

Member Distributed Loads (BLC 9 : Wind Load (180)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
43	CRPLATE3	PZ	-0.008	-0.008	0	0
44	CRPLATE2	PZ	-0.008	-0.008	0	0
45	CRPLATE1	PZ	-0.008	-0.008	0	0
46	CR3	PZ	-0.011	-0.011	0	0
47	CR2	PZ	-0.011	-0.011	0	0
48	CR1	PZ	-0.011	-0.011	0	0

Member Distributed Loads (BLC 10 : Wind Load (210))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
1	SOPLATE3	PZ	-0.000863	-0.000863	0	0
2	SOPLATE2	PZ	-0.000863	-0.000863	0	0
3	SOPLATE1	PZ	-0.000863	-0.000863	0	0
4	SO3	PZ	-0.006	-0.006	0	0
5	SO2	PZ	-0.006	-0.006	0	0
6	SO1	PZ	-0.006	-0.006	0	0
7	RAILPLATE3	PZ	-0.001	-0.001	0	0
8	RAILPLATE2	PZ	-0.001	-0.001	0	0
9	RAILPLATE1	PZ	-0.001	-0.001	0	0
10	RAIL1	PZ	-0.014	-0.014	0	0
11	RAIL2	PZ	-0.014	-0.014	0	0
12	RAIL3	PZ	-0.007	-0.007	0	0
13	MP GAMMA7	PZ	-0.01	-0.01	0	0
14	MP GAMMA6	PZ	-0.01	-0.01	0	0
15	MP GAMMA5	PZ	-0.01	-0.01	0	0
16	MP GAMMA4	PZ	-0.01	-0.01	0	0
17	MP GAMMA3	PZ	-0.01	-0.01	0	0
18	MP GAMMA2	PZ	-0.01	-0.01	0	0
19	MP GAMMA1	PZ	-0.01	-0.01	0	0
20	MP BETA7	PZ	-0.01	-0.01	0	0
21	MP BETA6	PZ	-0.01	-0.01	0	0
22	MP BETA5	PZ	-0.01	-0.01	0	0
23	MP BETA4	PZ	-0.01	-0.01	0	0
24	MP BETA3	PZ	-0.01	-0.01	0	0
25	MP BETA2	PZ	-0.01	-0.01	0	0
26	MP BETA1	PZ	-0.01	-0.01	0	0
27	MP ALPHA7	PZ	-0.01	-0.01	0	0
28	MP ALPHA6	PZ	-0.01	-0.01	0	0
29	MP ALPHA5	PZ	-0.01	-0.01	0	0
30	MP ALPHA4	PZ	-0.01	-0.01	0	0
31	MP ALPHA3	PZ	-0.01	-0.01	0	0
32	MP ALPHA2	PZ	-0.01	-0.01	0	0
33	MP ALPHA1	PZ	-0.01	-0.01	0	0
34	KICKER3	PZ	-0.007	-0.007	0	0
35	KICKER2	PZ	-0.007	-0.007	0	0
36	KICKER1	PZ	-0.007	-0.007	0	0
37	FACE1	PZ	-0.023	-0.023	0	0
38	FACE2	PZ	-0.023	-0.023	0	0
39	FACE3	PZ	-0.012	-0.012	0	0
40	CRPLATE6	PZ	-0.007	-0.007	0	0
41	CRPLATE5	PZ	-0.007	-0.007	0	0
42	CRPLATE4	PZ	-0.007	-0.007	0	0
43	CRPLATE3	PZ	-0.007	-0.007	0	0
44	CRPLATE2	PZ	-0.007	-0.007	0	0
45	CRPLATE1	PZ	-0.007	-0.007	0	0
46	CR3	PZ	-0.009	-0.009	0	0
47	CR2	PZ	-0.009	-0.009	0	0

Member Distributed Loads (BLC 10 : Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...	Start Location[ft.%]	End Location[ft.%]
48	CR1	PZ	-.009	-.009	0	0
49	SOPLATE3	PX	.000498	.000498	0	0
50	SOPLATE2	PX	.000498	.000498	0	0
51	SOPLATE1	PX	.000498	.000498	0	0
52	SO3	PX	.003	.003	0	0
53	SO2	PX	.003	.003	0	0
54	SO1	PX	.003	.003	0	0
55	RAILPLATE3	PX	.000664	.000664	0	0
56	RAILPLATE2	PX	.000664	.000664	0	0
57	RAILPLATE1	PX	.000664	.000664	0	0
58	RAIL1	PX	.008	.008	0	0
59	RAIL2	PX	.008	.008	0	0
60	RAIL3	PX	.004	.004	0	0
61	MP GAMMA7	PX	.006	.006	0	0
62	MP GAMMA6	PX	.006	.006	0	0
63	MP GAMMA5	PX	.006	.006	0	0
64	MP GAMMA4	PX	.006	.006	0	0
65	MP GAMMA3	PX	.006	.006	0	0
66	MP GAMMA2	PX	.006	.006	0	0
67	MP GAMMA1	PX	.006	.006	0	0
68	MP BETA7	PX	.006	.006	0	0
69	MP BETA6	PX	.006	.006	0	0
70	MP BETA5	PX	.006	.006	0	0
71	MP BETA4	PX	.006	.006	0	0
72	MP BETA3	PX	.006	.006	0	0
73	MP BETA2	PX	.006	.006	0	0
74	MP BETA1	PX	.006	.006	0	0
75	MP ALPHA7	PX	.006	.006	0	0
76	MP ALPHA6	PX	.006	.006	0	0
77	MP ALPHA5	PX	.006	.006	0	0
78	MP ALPHA4	PX	.006	.006	0	0
79	MP ALPHA3	PX	.006	.006	0	0
80	MP ALPHA2	PX	.006	.006	0	0
81	MP ALPHA1	PX	.006	.006	0	0
82	KICKER3	PX	.004	.004	0	0
83	KICKER2	PX	.004	.004	0	0
84	KICKER1	PX	.004	.004	0	0
85	FACE1	PX	.013	.013	0	0
86	FACE2	PX	.013	.013	0	0
87	FACE3	PX	.007	.007	0	0
88	CRPLATE6	PX	.004	.004	0	0
89	CRPLATE5	PX	.004	.004	0	0
90	CRPLATE4	PX	.004	.004	0	0
91	CRPLATE3	PX	.004	.004	0	0
92	CRPLATE2	PX	.004	.004	0	0
93	CRPLATE1	PX	.004	.004	0	0
94	CR3	PX	.005	.005	0	0
95	CR2	PX	.005	.005	0	0
96	CR1	PX	.005	.005	0	0

Member Distributed Loads (BLC 11 : Wind Load (240))

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...	Start Location[ft.%]	End Location[ft.%]
1	SOPLATE3	PZ	-.000498	-.000498	0	0
2	SOPLATE2	PZ	-.000498	-.000498	0	0
3	SOPLATE1	PZ	-.000498	-.000498	0	0
4	SO3	PZ	-.003	-.003	0	0

Member Distributed Loads (BLC 11 : Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
5	SO2	PZ	-.003	-.003	0	0
6	SO1	PZ	-.003	-.003	0	0
7	RAILPLATE3	PZ	-.000664	-.000664	0	0
8	RAILPLATE2	PZ	-.000664	-.000664	0	0
9	RAILPLATE1	PZ	-.000664	-.000664	0	0
10	RAIL1	PZ	-.008	-.008	0	0
11	RAIL2	PZ	-.008	-.008	0	0
12	RAIL3	PZ	-.004	-.004	0	0
13	MP GAMMA7	PZ	-.006	-.006	0	0
14	MP GAMMA6	PZ	-.006	-.006	0	0
15	MP GAMMA5	PZ	-.006	-.006	0	0
16	MP GAMMA4	PZ	-.006	-.006	0	0
17	MP GAMMA3	PZ	-.006	-.006	0	0
18	MP GAMMA2	PZ	-.006	-.006	0	0
19	MP GAMMA1	PZ	-.006	-.006	0	0
20	MP BETA7	PZ	-.006	-.006	0	0
21	MP BETA6	PZ	-.006	-.006	0	0
22	MP BETA5	PZ	-.006	-.006	0	0
23	MP BETA4	PZ	-.006	-.006	0	0
24	MP BETA3	PZ	-.006	-.006	0	0
25	MP BETA2	PZ	-.006	-.006	0	0
26	MP BETA1	PZ	-.006	-.006	0	0
27	MP ALPHA7	PZ	-.006	-.006	0	0
28	MP ALPHA6	PZ	-.006	-.006	0	0
29	MP ALPHA5	PZ	-.006	-.006	0	0
30	MP ALPHA4	PZ	-.006	-.006	0	0
31	MP ALPHA3	PZ	-.006	-.006	0	0
32	MP ALPHA2	PZ	-.006	-.006	0	0
33	MP ALPHA1	PZ	-.006	-.006	0	0
34	KICKER3	PZ	-.004	-.004	0	0
35	KICKER2	PZ	-.004	-.004	0	0
36	KICKER1	PZ	-.004	-.004	0	0
37	FACE1	PZ	-.013	-.013	0	0
38	FACE2	PZ	-.013	-.013	0	0
39	FACE3	PZ	-.007	-.007	0	0
40	CRPLATE6	PZ	-.004	-.004	0	0
41	CRPLATE5	PZ	-.004	-.004	0	0
42	CRPLATE4	PZ	-.004	-.004	0	0
43	CRPLATE3	PZ	-.004	-.004	0	0
44	CRPLATE2	PZ	-.004	-.004	0	0
45	CRPLATE1	PZ	-.004	-.004	0	0
46	CR3	PZ	-.005	-.005	0	0
47	CR2	PZ	-.005	-.005	0	0
48	CR1	PZ	-.005	-.005	0	0
49	SOPLATE3	PX	.000863	.000863	0	0
50	SOPLATE2	PX	.000863	.000863	0	0
51	SOPLATE1	PX	.000863	.000863	0	0
52	SO3	PX	.006	.006	0	0
53	SO2	PX	.006	.006	0	0
54	SO1	PX	.006	.006	0	0
55	RAILPLATE3	PX	.001	.001	0	0
56	RAILPLATE2	PX	.001	.001	0	0
57	RAILPLATE1	PX	.001	.001	0	0
58	RAIL1	PX	.014	.014	0	0
59	RAIL2	PX	.014	.014	0	0
60	RAIL3	PX	.007	.007	0	0
61	MP GAMMA7	PX	.01	.01	0	0

Member Distributed Loads (BLC 11 : Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
62	MP GAMMA6	PX	.01	.01	0	0
63	MP GAMMA5	PX	.01	.01	0	0
64	MP GAMMA4	PX	.01	.01	0	0
65	MP GAMMA3	PX	.01	.01	0	0
66	MP GAMMA2	PX	.01	.01	0	0
67	MP GAMMA1	PX	.01	.01	0	0
68	MP BETA7	PX	.01	.01	0	0
69	MP BETA6	PX	.01	.01	0	0
70	MP BETA5	PX	.01	.01	0	0
71	MP BETA4	PX	.01	.01	0	0
72	MP BETA3	PX	.01	.01	0	0
73	MP BETA2	PX	.01	.01	0	0
74	MP BETA1	PX	.01	.01	0	0
75	MP ALPHA7	PX	.01	.01	0	0
76	MP ALPHA6	PX	.01	.01	0	0
77	MP ALPHA5	PX	.01	.01	0	0
78	MP ALPHA4	PX	.01	.01	0	0
79	MP ALPHA3	PX	.01	.01	0	0
80	MP ALPHA2	PX	.01	.01	0	0
81	MP ALPHA1	PX	.01	.01	0	0
82	KICKER3	PX	.007	.007	0	0
83	KICKER2	PX	.007	.007	0	0
84	KICKER1	PX	.007	.007	0	0
85	FACE1	PX	.023	.023	0	0
86	FACE2	PX	.023	.023	0	0
87	FACE3	PX	.012	.012	0	0
88	CRPLATE6	PX	.007	.007	0	0
89	CRPLATE5	PX	.007	.007	0	0
90	CRPLATE4	PX	.007	.007	0	0
91	CRPLATE3	PX	.007	.007	0	0
92	CRPLATE2	PX	.007	.007	0	0
93	CRPLATE1	PX	.007	.007	0	0
94	CR3	PX	.009	.009	0	0
95	CR2	PX	.009	.009	0	0
96	CR1	PX	.009	.009	0	0

Member Distributed Loads (BLC 12 : Wind Load (270))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SOPLATE3	PX	.000997	.000997	0	0
2	SOPLATE2	PX	.000997	.000997	0	0
3	SOPLATE1	PX	.000997	.000997	0	0
4	SO3	PX	.007	.007	0	0
5	SO2	PX	.007	.007	0	0
6	SO1	PX	.007	.007	0	0
7	RAILPLATE3	PX	.001	.001	0	0
8	RAILPLATE2	PX	.001	.001	0	0
9	RAILPLATE1	PX	.001	.001	0	0
10	RAIL1	PX	.016	.016	0	0
11	RAIL2	PX	.016	.016	0	0
12	RAIL3	PX	.008	.008	0	0
13	MP GAMMA7	PX	.011	.011	0	0
14	MP GAMMA6	PX	.011	.011	0	0
15	MP GAMMA5	PX	.011	.011	0	0
16	MP GAMMA4	PX	.011	.011	0	0
17	MP GAMMA3	PX	.011	.011	0	0
18	MP GAMMA2	PX	.011	.011	0	0

Member Distributed Loads (BLC 12 : Wind Load (270)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
19	MP GAMMA1	PX	.011	.011	0	0
20	MP BETA7	PX	.011	.011	0	0
21	MP BETA6	PX	.011	.011	0	0
22	MP BETA5	PX	.011	.011	0	0
23	MP BETA4	PX	.011	.011	0	0
24	MP BETA3	PX	.011	.011	0	0
25	MP BETA2	PX	.011	.011	0	0
26	MP BETA1	PX	.011	.011	0	0
27	MP ALPHA7	PX	.011	.011	0	0
28	MP ALPHA6	PX	.011	.011	0	0
29	MP ALPHA5	PX	.011	.011	0	0
30	MP ALPHA4	PX	.011	.011	0	0
31	MP ALPHA3	PX	.011	.011	0	0
32	MP ALPHA2	PX	.011	.011	0	0
33	MP ALPHA1	PX	.011	.011	0	0
34	KICKER3	PX	.008	.008	0	0
35	KICKER2	PX	.008	.008	0	0
36	KICKER1	PX	.008	.008	0	0
37	FACE1	PX	.027	.027	0	0
38	FACE2	PX	.027	.027	0	0
39	FACE3	PX	.013	.013	0	0
40	CRPLATE6	PX	.008	.008	0	0
41	CRPLATE5	PX	.008	.008	0	0
42	CRPLATE4	PX	.008	.008	0	0
43	CRPLATE3	PX	.008	.008	0	0
44	CRPLATE2	PX	.008	.008	0	0
45	CRPLATE1	PX	.008	.008	0	0
46	CR3	PX	.011	.011	0	0
47	CR2	PX	.011	.011	0	0
48	CR1	PX	.011	.011	0	0

Member Distributed Loads (BLC 13 : Wind Load (300))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SOPLATE3	PZ	.000498	.000498	0	0
2	SOPLATE2	PZ	.000498	.000498	0	0
3	SOPLATE1	PZ	.000498	.000498	0	0
4	SO3	PZ	.003	.003	0	0
5	SO2	PZ	.003	.003	0	0
6	SO1	PZ	.003	.003	0	0
7	RAILPLATE3	PZ	.000664	.000664	0	0
8	RAILPLATE2	PZ	.000664	.000664	0	0
9	RAILPLATE1	PZ	.000664	.000664	0	0
10	RAIL1	PZ	.008	.008	0	0
11	RAIL2	PZ	.008	.008	0	0
12	RAIL3	PZ	.004	.004	0	0
13	MP GAMMA7	PZ	.006	.006	0	0
14	MP GAMMA6	PZ	.006	.006	0	0
15	MP GAMMA5	PZ	.006	.006	0	0
16	MP GAMMA4	PZ	.006	.006	0	0
17	MP GAMMA3	PZ	.006	.006	0	0
18	MP GAMMA2	PZ	.006	.006	0	0
19	MP GAMMA1	PZ	.006	.006	0	0
20	MP BETA7	PZ	.006	.006	0	0
21	MP BETA6	PZ	.006	.006	0	0
22	MP BETA5	PZ	.006	.006	0	0
23	MP BETA4	PZ	.006	.006	0	0

Member Distributed Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
24	MP BETA3	PZ	.006	.006	0	0
25	MP BETA2	PZ	.006	.006	0	0
26	MP BETA1	PZ	.006	.006	0	0
27	MP ALPHA7	PZ	.006	.006	0	0
28	MP ALPHA6	PZ	.006	.006	0	0
29	MP ALPHA5	PZ	.006	.006	0	0
30	MP ALPHA4	PZ	.006	.006	0	0
31	MP ALPHA3	PZ	.006	.006	0	0
32	MP ALPHA2	PZ	.006	.006	0	0
33	MP ALPHA1	PZ	.006	.006	0	0
34	KICKER3	PZ	.004	.004	0	0
35	KICKER2	PZ	.004	.004	0	0
36	KICKER1	PZ	.004	.004	0	0
37	FACE1	PZ	.013	.013	0	0
38	FACE2	PZ	.013	.013	0	0
39	FACE3	PZ	.007	.007	0	0
40	CRPLATE6	PZ	.004	.004	0	0
41	CRPLATE5	PZ	.004	.004	0	0
42	CRPLATE4	PZ	.004	.004	0	0
43	CRPLATE3	PZ	.004	.004	0	0
44	CRPLATE2	PZ	.004	.004	0	0
45	CRPLATE1	PZ	.004	.004	0	0
46	CR3	PZ	.005	.005	0	0
47	CR2	PZ	.005	.005	0	0
48	CR1	PZ	.005	.005	0	0
49	SOPLATE3	PX	.000863	.000863	0	0
50	SOPLATE2	PX	.000863	.000863	0	0
51	SOPLATE1	PX	.000863	.000863	0	0
52	SO3	PX	.006	.006	0	0
53	SO2	PX	.006	.006	0	0
54	SO1	PX	.006	.006	0	0
55	RAILPLATE3	PX	.001	.001	0	0
56	RAILPLATE2	PX	.001	.001	0	0
57	RAILPLATE1	PX	.001	.001	0	0
58	RAIL1	PX	.014	.014	0	0
59	RAIL2	PX	.014	.014	0	0
60	RAIL3	PX	.007	.007	0	0
61	MP GAMMA7	PX	.01	.01	0	0
62	MP GAMMA6	PX	.01	.01	0	0
63	MP GAMMA5	PX	.01	.01	0	0
64	MP GAMMA4	PX	.01	.01	0	0
65	MP GAMMA3	PX	.01	.01	0	0
66	MP GAMMA2	PX	.01	.01	0	0
67	MP GAMMA1	PX	.01	.01	0	0
68	MP BETA7	PX	.01	.01	0	0
69	MP BETA6	PX	.01	.01	0	0
70	MP BETA5	PX	.01	.01	0	0
71	MP BETA4	PX	.01	.01	0	0
72	MP BETA3	PX	.01	.01	0	0
73	MP BETA2	PX	.01	.01	0	0
74	MP BETA1	PX	.01	.01	0	0
75	MP ALPHA7	PX	.01	.01	0	0
76	MP ALPHA6	PX	.01	.01	0	0
77	MP ALPHA5	PX	.01	.01	0	0
78	MP ALPHA4	PX	.01	.01	0	0
79	MP ALPHA3	PX	.01	.01	0	0
80	MP ALPHA2	PX	.01	.01	0	0

Member Distributed Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
81	MP ALPHA1	PX	.01	.01	0	0
82	KICKER3	PX	.007	.007	0	0
83	KICKER2	PX	.007	.007	0	0
84	KICKER1	PX	.007	.007	0	0
85	FACE1	PX	.023	.023	0	0
86	FACE2	PX	.023	.023	0	0
87	FACE3	PX	.012	.012	0	0
88	CRPLATE6	PX	.007	.007	0	0
89	CRPLATE5	PX	.007	.007	0	0
90	CRPLATE4	PX	.007	.007	0	0
91	CRPLATE3	PX	.007	.007	0	0
92	CRPLATE2	PX	.007	.007	0	0
93	CRPLATE1	PX	.007	.007	0	0
94	CR3	PX	.009	.009	0	0
95	CR2	PX	.009	.009	0	0
96	CR1	PX	.009	.009	0	0

Member Distributed Loads (BLC 14 : Wind Load (330))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
1	SOPLATE3	PZ	.000863	.000863	0	0
2	SOPLATE2	PZ	.000863	.000863	0	0
3	SOPLATE1	PZ	.000863	.000863	0	0
4	SO3	PZ	.006	.006	0	0
5	SO2	PZ	.006	.006	0	0
6	SO1	PZ	.006	.006	0	0
7	RAILPLATE3	PZ	.001	.001	0	0
8	RAILPLATE2	PZ	.001	.001	0	0
9	RAILPLATE1	PZ	.001	.001	0	0
10	RAIL3	PZ	.014	.014	0	0
11	RAIL2	PZ	.014	.014	0	0
12	RAIL1	PZ	.007	.007	0	0
13	MP GAMMA7	PZ	.01	.01	0	0
14	MP GAMMA6	PZ	.01	.01	0	0
15	MP GAMMA5	PZ	.01	.01	0	0
16	MP GAMMA4	PZ	.01	.01	0	0
17	MP GAMMA3	PZ	.01	.01	0	0
18	MP GAMMA2	PZ	.01	.01	0	0
19	MP GAMMA1	PZ	.01	.01	0	0
20	MP BETA7	PZ	.01	.01	0	0
21	MP BETA6	PZ	.01	.01	0	0
22	MP BETA5	PZ	.01	.01	0	0
23	MP BETA4	PZ	.01	.01	0	0
24	MP BETA3	PZ	.01	.01	0	0
25	MP BETA2	PZ	.01	.01	0	0
26	MP BETA1	PZ	.01	.01	0	0
27	MP ALPHA7	PZ	.01	.01	0	0
28	MP ALPHA6	PZ	.01	.01	0	0
29	MP ALPHA5	PZ	.01	.01	0	0
30	MP ALPHA4	PZ	.01	.01	0	0
31	MP ALPHA3	PZ	.01	.01	0	0
32	MP ALPHA2	PZ	.01	.01	0	0
33	MP ALPHA1	PZ	.01	.01	0	0
34	KICKER3	PZ	.007	.007	0	0
35	KICKER2	PZ	.007	.007	0	0
36	KICKER1	PZ	.007	.007	0	0
37	FACE3	PZ	.023	.023	0	0

Member Distributed Loads (BLC 14 : Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
38	FACE2	PZ	.023	.023	0	0
39	FACE1	PZ	.012	.012	0	0
40	CRPLATE6	PZ	.007	.007	0	0
41	CRPLATE5	PZ	.007	.007	0	0
42	CRPLATE4	PZ	.007	.007	0	0
43	CRPLATE3	PZ	.007	.007	0	0
44	CRPLATE2	PZ	.007	.007	0	0
45	CRPLATE1	PZ	.007	.007	0	0
46	CR3	PZ	.009	.009	0	0
47	CR2	PZ	.009	.009	0	0
48	CR1	PZ	.009	.009	0	0
49	SOPLATE3	PX	.000498	.000498	0	0
50	SOPLATE2	PX	.000498	.000498	0	0
51	SOPLATE1	PX	.000498	.000498	0	0
52	SO3	PX	.003	.003	0	0
53	SO2	PX	.003	.003	0	0
54	SO1	PX	.003	.003	0	0
55	RAILPLATE3	PX	.000664	.000664	0	0
56	RAILPLATE2	PX	.000664	.000664	0	0
57	RAILPLATE1	PX	.000664	.000664	0	0
58	RAIL3	PX	.008	.008	0	0
59	RAIL2	PX	.008	.008	0	0
60	RAIL1	PX	.004	.004	0	0
61	MP GAMMA7	PX	.006	.006	0	0
62	MP GAMMA6	PX	.006	.006	0	0
63	MP GAMMA5	PX	.006	.006	0	0
64	MP GAMMA4	PX	.006	.006	0	0
65	MP GAMMA3	PX	.006	.006	0	0
66	MP GAMMA2	PX	.006	.006	0	0
67	MP GAMMA1	PX	.006	.006	0	0
68	MP BETA7	PX	.006	.006	0	0
69	MP BETA6	PX	.006	.006	0	0
70	MP BETA5	PX	.006	.006	0	0
71	MP BETA4	PX	.006	.006	0	0
72	MP BETA3	PX	.006	.006	0	0
73	MP BETA2	PX	.006	.006	0	0
74	MP BETA1	PX	.006	.006	0	0
75	MP ALPHA7	PX	.006	.006	0	0
76	MP ALPHA6	PX	.006	.006	0	0
77	MP ALPHA5	PX	.006	.006	0	0
78	MP ALPHA4	PX	.006	.006	0	0
79	MP ALPHA3	PX	.006	.006	0	0
80	MP ALPHA2	PX	.006	.006	0	0
81	MP ALPHA1	PX	.006	.006	0	0
82	KICKER3	PX	.004	.004	0	0
83	KICKER2	PX	.004	.004	0	0
84	KICKER1	PX	.004	.004	0	0
85	FACE3	PX	.013	.013	0	0
86	FACE2	PX	.013	.013	0	0
87	FACE1	PX	.007	.007	0	0
88	CRPLATE6	PX	.004	.004	0	0
89	CRPLATE5	PX	.004	.004	0	0
90	CRPLATE4	PX	.004	.004	0	0
91	CRPLATE3	PX	.004	.004	0	0
92	CRPLATE2	PX	.004	.004	0	0
93	CRPLATE1	PX	.004	.004	0	0
94	CR3	PX	.005	.005	0	0

Member Distributed Loads (BLC 14 : Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
95	CR2	PX	.005	.005	0	0
96	CR1	PX	.005	.005	0	0

Member Distributed Loads (BLC 15 : Maintenance (0))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SOPLATE3	PZ	6.7e-5	6.7e-5	0	0
2	SOPLATE2	PZ	6.7e-5	6.7e-5	0	0
3	SOPLATE1	PZ	6.7e-5	6.7e-5	0	0
4	SO3	PZ	.000444	.000444	0	0
5	SO2	PZ	.000444	.000444	0	0
6	SO1	PZ	.000444	.000444	0	0
7	RAILPLATE3	PZ	8.9e-5	8.9e-5	0	0
8	RAILPLATE2	PZ	8.9e-5	8.9e-5	0	0
9	RAILPLATE1	PZ	8.9e-5	8.9e-5	0	0
10	RAIL3	PZ	.001	.001	0	0
11	RAIL2	PZ	.001	.001	0	0
12	RAIL1	PZ	.000533	.000533	0	0
13	MP GAMMA7	PZ	.000747	.000747	0	0
14	MP GAMMA6	PZ	.000747	.000747	0	0
15	MP GAMMA5	PZ	.000747	.000747	0	0
16	MP GAMMA4	PZ	.000747	.000747	0	0
17	MP GAMMA3	PZ	.000747	.000747	0	0
18	MP GAMMA2	PZ	.000747	.000747	0	0
19	MP GAMMA1	PZ	.000747	.000747	0	0
20	MP BETA7	PZ	.000747	.000747	0	0
21	MP BETA6	PZ	.000747	.000747	0	0
22	MP BETA5	PZ	.000747	.000747	0	0
23	MP BETA4	PZ	.000747	.000747	0	0
24	MP BETA3	PZ	.000747	.000747	0	0
25	MP BETA2	PZ	.000747	.000747	0	0
26	MP BETA1	PZ	.000747	.000747	0	0
27	MP ALPHA7	PZ	.000747	.000747	0	0
28	MP ALPHA6	PZ	.000747	.000747	0	0
29	MP ALPHA5	PZ	.000747	.000747	0	0
30	MP ALPHA4	PZ	.000747	.000747	0	0
31	MP ALPHA3	PZ	.000747	.000747	0	0
32	MP ALPHA2	PZ	.000747	.000747	0	0
33	MP ALPHA1	PZ	.000747	.000747	0	0
34	KICKER3	PZ	.000533	.000533	0	0
35	KICKER2	PZ	.000533	.000533	0	0
36	KICKER1	PZ	.000533	.000533	0	0
37	FACE3	PZ	.002	.002	0	0
38	FACE2	PZ	.002	.002	0	0
39	FACE1	PZ	.000889	.000889	0	0
40	CRPLATE6	PZ	.000533	.000533	0	0
41	CRPLATE5	PZ	.000533	.000533	0	0
42	CRPLATE4	PZ	.000533	.000533	0	0
43	CRPLATE3	PZ	.000533	.000533	0	0
44	CRPLATE2	PZ	.000533	.000533	0	0
45	CRPLATE1	PZ	.000533	.000533	0	0
46	CR3	PZ	.000711	.000711	0	0
47	CR2	PZ	.000711	.000711	0	0
48	CR1	PZ	.000711	.000711	0	0

Member Distributed Loads (BLC 16 : Maintenance (30))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
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Member Distributed Loads (BLC 16 : Maintenance (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
1	SOPLATE3	PZ	5.8e-5	5.8e-5	0	0
2	SOPLATE2	PZ	5.8e-5	5.8e-5	0	0
3	SOPLATE1	PZ	5.8e-5	5.8e-5	0	0
4	SO3	PZ	.000385	.000385	0	0
5	SO2	PZ	.000385	.000385	0	0
6	SO1	PZ	.000385	.000385	0	0
7	RAILPLATE3	PZ	7.7e-5	7.7e-5	0	0
8	RAILPLATE2	PZ	7.7e-5	7.7e-5	0	0
9	RAILPLATE1	PZ	7.7e-5	7.7e-5	0	0
10	RAIL3	PZ	.000924	.000924	0	0
11	RAIL2	PZ	.000924	.000924	0	0
12	RAIL1	PZ	.000462	.000462	0	0
13	MP GAMMA7	PZ	.000646	.000646	0	0
14	MP GAMMA6	PZ	.000646	.000646	0	0
15	MP GAMMA5	PZ	.000646	.000646	0	0
16	MP GAMMA4	PZ	.000646	.000646	0	0
17	MP GAMMA3	PZ	.000646	.000646	0	0
18	MP GAMMA2	PZ	.000646	.000646	0	0
19	MP GAMMA1	PZ	.000646	.000646	0	0
20	MP BETA7	PZ	.000646	.000646	0	0
21	MP BETA6	PZ	.000646	.000646	0	0
22	MP BETA5	PZ	.000646	.000646	0	0
23	MP BETA4	PZ	.000646	.000646	0	0
24	MP BETA3	PZ	.000646	.000646	0	0
25	MP BETA2	PZ	.000646	.000646	0	0
26	MP BETA1	PZ	.000646	.000646	0	0
27	MP ALPHA7	PZ	.000646	.000646	0	0
28	MP ALPHA6	PZ	.000646	.000646	0	0
29	MP ALPHA5	PZ	.000646	.000646	0	0
30	MP ALPHA4	PZ	.000646	.000646	0	0
31	MP ALPHA3	PZ	.000646	.000646	0	0
32	MP ALPHA2	PZ	.000646	.000646	0	0
33	MP ALPHA1	PZ	.000646	.000646	0	0
34	KICKER3	PZ	.000462	.000462	0	0
35	KICKER2	PZ	.000462	.000462	0	0
36	KICKER1	PZ	.000462	.000462	0	0
37	FACE3	PZ	.002	.002	0	0
38	FACE2	PZ	.002	.002	0	0
39	FACE1	PZ	.00077	.00077	0	0
40	CRPLATE6	PZ	.000462	.000462	0	0
41	CRPLATE5	PZ	.000462	.000462	0	0
42	CRPLATE4	PZ	.000462	.000462	0	0
43	CRPLATE3	PZ	.000462	.000462	0	0
44	CRPLATE2	PZ	.000462	.000462	0	0
45	CRPLATE1	PZ	.000462	.000462	0	0
46	CR3	PZ	.000616	.000616	0	0
47	CR2	PZ	.000616	.000616	0	0
48	CR1	PZ	.000616	.000616	0	0
49	SOPLATE3	PX	-3.3e-5	-3.3e-5	0	0
50	SOPLATE2	PX	-3.3e-5	-3.3e-5	0	0
51	SOPLATE1	PX	-3.3e-5	-3.3e-5	0	0
52	SO3	PX	-.000222	-.000222	0	0
53	SO2	PX	-.000222	-.000222	0	0
54	SO1	PX	-.000222	-.000222	0	0
55	RAILPLATE3	PX	-4.4e-5	-4.4e-5	0	0
56	RAILPLATE2	PX	-4.4e-5	-4.4e-5	0	0
57	RAILPLATE1	PX	-4.4e-5	-4.4e-5	0	0

Member Distributed Loads (BLC 16 : Maintenance (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
58	RAIL3	PX	-0.000533	-0.000533	0	0
59	RAIL2	PX	-0.000533	-0.000533	0	0
60	RAIL1	PX	-0.000267	-0.000267	0	0
61	MP GAMMA7	PX	-0.000373	-0.000373	0	0
62	MP GAMMA6	PX	-0.000373	-0.000373	0	0
63	MP GAMMA5	PX	-0.000373	-0.000373	0	0
64	MP GAMMA4	PX	-0.000373	-0.000373	0	0
65	MP GAMMA3	PX	-0.000373	-0.000373	0	0
66	MP GAMMA2	PX	-0.000373	-0.000373	0	0
67	MP GAMMA1	PX	-0.000373	-0.000373	0	0
68	MP BETA7	PX	-0.000373	-0.000373	0	0
69	MP BETA6	PX	-0.000373	-0.000373	0	0
70	MP BETA5	PX	-0.000373	-0.000373	0	0
71	MP BETA4	PX	-0.000373	-0.000373	0	0
72	MP BETA3	PX	-0.000373	-0.000373	0	0
73	MP BETA2	PX	-0.000373	-0.000373	0	0
74	MP BETA1	PX	-0.000373	-0.000373	0	0
75	MP ALPHA7	PX	-0.000373	-0.000373	0	0
76	MP ALPHA6	PX	-0.000373	-0.000373	0	0
77	MP ALPHA5	PX	-0.000373	-0.000373	0	0
78	MP ALPHA4	PX	-0.000373	-0.000373	0	0
79	MP ALPHA3	PX	-0.000373	-0.000373	0	0
80	MP ALPHA2	PX	-0.000373	-0.000373	0	0
81	MP ALPHA1	PX	-0.000373	-0.000373	0	0
82	KICKER3	PX	-0.000267	-0.000267	0	0
83	KICKER2	PX	-0.000267	-0.000267	0	0
84	KICKER1	PX	-0.000267	-0.000267	0	0
85	FACE3	PX	-0.000889	-0.000889	0	0
86	FACE2	PX	-0.000889	-0.000889	0	0
87	FACE1	PX	-0.000444	-0.000444	0	0
88	CRPLATE6	PX	-0.000267	-0.000267	0	0
89	CRPLATE5	PX	-0.000267	-0.000267	0	0
90	CRPLATE4	PX	-0.000267	-0.000267	0	0
91	CRPLATE3	PX	-0.000267	-0.000267	0	0
92	CRPLATE2	PX	-0.000267	-0.000267	0	0
93	CRPLATE1	PX	-0.000267	-0.000267	0	0
94	CR3	PX	-0.000355	-0.000355	0	0
95	CR2	PX	-0.000355	-0.000355	0	0
96	CR1	PX	-0.000355	-0.000355	0	0

Member Distributed Loads (BLC 17 : Maintenance (60))

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
1	SOPLATE3	PZ	3.3e-5	3.3e-5	0	0
2	SOPLATE2	PZ	3.3e-5	3.3e-5	0	0
3	SOPLATE1	PZ	3.3e-5	3.3e-5	0	0
4	SO3	PZ	.000222	.000222	0	0
5	SO2	PZ	.000222	.000222	0	0
6	SO1	PZ	.000222	.000222	0	0
7	RAILPLATE3	PZ	4.4e-5	4.4e-5	0	0
8	RAILPLATE2	PZ	4.4e-5	4.4e-5	0	0
9	RAILPLATE1	PZ	4.4e-5	4.4e-5	0	0
10	RAIL3	PZ	.000533	.000533	0	0
11	RAIL2	PZ	.000533	.000533	0	0
12	RAIL1	PZ	.000267	.000267	0	0
13	MP GAMMA7	PZ	.000373	.000373	0	0
14	MP GAMMA6	PZ	.000373	.000373	0	0

Member Distributed Loads (BLC 17 : Maintenance (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
15	MP GAMMA5	PZ	.000373	.000373	0	0
16	MP GAMMA4	PZ	.000373	.000373	0	0
17	MP GAMMA3	PZ	.000373	.000373	0	0
18	MP GAMMA2	PZ	.000373	.000373	0	0
19	MP GAMMA1	PZ	.000373	.000373	0	0
20	MP BETA7	PZ	.000373	.000373	0	0
21	MP BETA6	PZ	.000373	.000373	0	0
22	MP BETA5	PZ	.000373	.000373	0	0
23	MP BETA4	PZ	.000373	.000373	0	0
24	MP BETA3	PZ	.000373	.000373	0	0
25	MP BETA2	PZ	.000373	.000373	0	0
26	MP BETA1	PZ	.000373	.000373	0	0
27	MP ALPHA7	PZ	.000373	.000373	0	0
28	MP ALPHA6	PZ	.000373	.000373	0	0
29	MP ALPHA5	PZ	.000373	.000373	0	0
30	MP ALPHA4	PZ	.000373	.000373	0	0
31	MP ALPHA3	PZ	.000373	.000373	0	0
32	MP ALPHA2	PZ	.000373	.000373	0	0
33	MP ALPHA1	PZ	.000373	.000373	0	0
34	KICKER3	PZ	.000267	.000267	0	0
35	KICKER2	PZ	.000267	.000267	0	0
36	KICKER1	PZ	.000267	.000267	0	0
37	FACE3	PZ	.000889	.000889	0	0
38	FACE2	PZ	.000889	.000889	0	0
39	FACE1	PZ	.000444	.000444	0	0
40	CRPLATE6	PZ	.000267	.000267	0	0
41	CRPLATE5	PZ	.000267	.000267	0	0
42	CRPLATE4	PZ	.000267	.000267	0	0
43	CRPLATE3	PZ	.000267	.000267	0	0
44	CRPLATE2	PZ	.000267	.000267	0	0
45	CRPLATE1	PZ	.000267	.000267	0	0
46	CR3	PZ	.000355	.000355	0	0
47	CR2	PZ	.000355	.000355	0	0
48	CR1	PZ	.000355	.000355	0	0
49	SOPLATE3	PX	-5.8e-5	-5.8e-5	0	0
50	SOPLATE2	PX	-5.8e-5	-5.8e-5	0	0
51	SOPLATE1	PX	-5.8e-5	-5.8e-5	0	0
52	SO3	PX	-.000385	-.000385	0	0
53	SO2	PX	-.000385	-.000385	0	0
54	SO1	PX	-.000385	-.000385	0	0
55	RAILPLATE3	PX	-7.7e-5	-7.7e-5	0	0
56	RAILPLATE2	PX	-7.7e-5	-7.7e-5	0	0
57	RAILPLATE1	PX	-7.7e-5	-7.7e-5	0	0
58	RAIL3	PX	-.000924	-.000924	0	0
59	RAIL2	PX	-.000924	-.000924	0	0
60	RAIL1	PX	-.000462	-.000462	0	0
61	MP GAMMA7	PX	-.000646	-.000646	0	0
62	MP GAMMA6	PX	-.000646	-.000646	0	0
63	MP GAMMA5	PX	-.000646	-.000646	0	0
64	MP GAMMA4	PX	-.000646	-.000646	0	0
65	MP GAMMA3	PX	-.000646	-.000646	0	0
66	MP GAMMA2	PX	-.000646	-.000646	0	0
67	MP GAMMA1	PX	-.000646	-.000646	0	0
68	MP BETA7	PX	-.000646	-.000646	0	0
69	MP BETA6	PX	-.000646	-.000646	0	0
70	MP BETA5	PX	-.000646	-.000646	0	0
71	MP BETA4	PX	-.000646	-.000646	0	0

Member Distributed Loads (BLC 17 : Maintenance (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
72	MP BETA3	PX	-0.00646	-0.00646	0	0
73	MP BETA2	PX	-0.00646	-0.00646	0	0
74	MP BETA1	PX	-0.00646	-0.00646	0	0
75	MP ALPHA7	PX	-0.00646	-0.00646	0	0
76	MP ALPHA6	PX	-0.00646	-0.00646	0	0
77	MP ALPHA5	PX	-0.00646	-0.00646	0	0
78	MP ALPHA4	PX	-0.00646	-0.00646	0	0
79	MP ALPHA3	PX	-0.00646	-0.00646	0	0
80	MP ALPHA2	PX	-0.00646	-0.00646	0	0
81	MP ALPHA1	PX	-0.00646	-0.00646	0	0
82	KICKER3	PX	-0.00462	-0.00462	0	0
83	KICKER2	PX	-0.00462	-0.00462	0	0
84	KICKER1	PX	-0.00462	-0.00462	0	0
85	FACE3	PX	-0.002	-0.002	0	0
86	FACE2	PX	-0.002	-0.002	0	0
87	FACE1	PX	-0.00077	-0.00077	0	0
88	CRPLATE6	PX	-0.00462	-0.00462	0	0
89	CRPLATE5	PX	-0.00462	-0.00462	0	0
90	CRPLATE4	PX	-0.00462	-0.00462	0	0
91	CRPLATE3	PX	-0.00462	-0.00462	0	0
92	CRPLATE2	PX	-0.00462	-0.00462	0	0
93	CRPLATE1	PX	-0.00462	-0.00462	0	0
94	CR3	PX	-0.00616	-0.00616	0	0
95	CR2	PX	-0.00616	-0.00616	0	0
96	CR1	PX	-0.00616	-0.00616	0	0

Member Distributed Loads (BLC 18 : Maintenance (90))

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
1	SOPLATE3	PX	-6.7e-5	-6.7e-5	0	0
2	SOPLATE2	PX	-6.7e-5	-6.7e-5	0	0
3	SOPLATE1	PX	-6.7e-5	-6.7e-5	0	0
4	SO3	PX	-0.00444	-0.00444	0	0
5	SO2	PX	-0.00444	-0.00444	0	0
6	SO1	PX	-0.00444	-0.00444	0	0
7	RAILPLATE3	PX	-8.9e-5	-8.9e-5	0	0
8	RAILPLATE2	PX	-8.9e-5	-8.9e-5	0	0
9	RAILPLATE1	PX	-8.9e-5	-8.9e-5	0	0
10	RAIL3	PX	-0.001	-0.001	0	0
11	RAIL1	PX	-0.001	-0.001	0	0
12	RAIL2	PX	-0.00533	-0.00533	0	0
13	MP GAMMA7	PX	-0.000747	-0.000747	0	0
14	MP GAMMA6	PX	-0.000747	-0.000747	0	0
15	MP GAMMA5	PX	-0.000747	-0.000747	0	0
16	MP GAMMA4	PX	-0.000747	-0.000747	0	0
17	MP GAMMA3	PX	-0.000747	-0.000747	0	0
18	MP GAMMA2	PX	-0.000747	-0.000747	0	0
19	MP GAMMA1	PX	-0.000747	-0.000747	0	0
20	MP BETA7	PX	-0.000747	-0.000747	0	0
21	MP BETA6	PX	-0.000747	-0.000747	0	0
22	MP BETA5	PX	-0.000747	-0.000747	0	0
23	MP BETA4	PX	-0.000747	-0.000747	0	0
24	MP BETA3	PX	-0.000747	-0.000747	0	0
25	MP BETA2	PX	-0.000747	-0.000747	0	0
26	MP BETA1	PX	-0.000747	-0.000747	0	0
27	MP ALPHA7	PX	-0.000747	-0.000747	0	0
28	MP ALPHA6	PX	-0.000747	-0.000747	0	0

Member Distributed Loads (BLC 18 : Maintenance (90)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
29	MP ALPHA5	PX	-0.00747	-0.00747	0	0
30	MP ALPHA4	PX	-0.00747	-0.00747	0	0
31	MP ALPHA3	PX	-0.00747	-0.00747	0	0
32	MP ALPHA2	PX	-0.00747	-0.00747	0	0
33	MP ALPHA1	PX	-0.00747	-0.00747	0	0
34	KICKER3	PX	-0.00533	-0.00533	0	0
35	KICKER2	PX	-0.00533	-0.00533	0	0
36	KICKER1	PX	-0.00533	-0.00533	0	0
37	FACE3	PX	-.002	-.002	0	0
38	FACE1	PX	-.002	-.002	0	0
39	FACE2	PX	-0.00889	-0.00889	0	0
40	CRPLATE6	PX	-0.00533	-0.00533	0	0
41	CRPLATE5	PX	-0.00533	-0.00533	0	0
42	CRPLATE4	PX	-0.00533	-0.00533	0	0
43	CRPLATE3	PX	-0.00533	-0.00533	0	0
44	CRPLATE2	PX	-0.00533	-0.00533	0	0
45	CRPLATE1	PX	-0.00533	-0.00533	0	0
46	CR3	PX	-0.00711	-0.00711	0	0
47	CR2	PX	-0.00711	-0.00711	0	0
48	CR1	PX	-0.00711	-0.00711	0	0

Member Distributed Loads (BLC 19 : Maintenance (120))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
1	SOPLATE3	PZ	-3.3e-5	-3.3e-5	0	0
2	SOPLATE2	PZ	-3.3e-5	-3.3e-5	0	0
3	SOPLATE1	PZ	-3.3e-5	-3.3e-5	0	0
4	SO3	PZ	-0.00222	-0.00222	0	0
5	SO2	PZ	-0.00222	-0.00222	0	0
6	SO1	PZ	-0.00222	-0.00222	0	0
7	RAILPLATE3	PZ	-4.4e-5	-4.4e-5	0	0
8	RAILPLATE2	PZ	-4.4e-5	-4.4e-5	0	0
9	RAILPLATE1	PZ	-4.4e-5	-4.4e-5	0	0
10	RAIL3	PZ	-0.00533	-0.00533	0	0
11	RAIL1	PZ	-0.00533	-0.00533	0	0
12	RAIL2	PZ	-0.00267	-0.00267	0	0
13	MP GAMMA7	PZ	-0.00373	-0.00373	0	0
14	MP GAMMA6	PZ	-0.00373	-0.00373	0	0
15	MP GAMMA5	PZ	-0.00373	-0.00373	0	0
16	MP GAMMA4	PZ	-0.00373	-0.00373	0	0
17	MP GAMMA3	PZ	-0.00373	-0.00373	0	0
18	MP GAMMA2	PZ	-0.00373	-0.00373	0	0
19	MP GAMMA1	PZ	-0.00373	-0.00373	0	0
20	MP BETA7	PZ	-0.00373	-0.00373	0	0
21	MP BETA6	PZ	-0.00373	-0.00373	0	0
22	MP BETA5	PZ	-0.00373	-0.00373	0	0
23	MP BETA4	PZ	-0.00373	-0.00373	0	0
24	MP BETA3	PZ	-0.00373	-0.00373	0	0
25	MP BETA2	PZ	-0.00373	-0.00373	0	0
26	MP BETA1	PZ	-0.00373	-0.00373	0	0
27	MP ALPHA7	PZ	-0.00373	-0.00373	0	0
28	MP ALPHA6	PZ	-0.00373	-0.00373	0	0
29	MP ALPHA5	PZ	-0.00373	-0.00373	0	0
30	MP ALPHA4	PZ	-0.00373	-0.00373	0	0
31	MP ALPHA3	PZ	-0.00373	-0.00373	0	0
32	MP ALPHA2	PZ	-0.00373	-0.00373	0	0
33	MP ALPHA1	PZ	-0.00373	-0.00373	0	0

Member Distributed Loads (BLC 19 : Maintenance (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
34	KICKER3	PZ	-0.00267	-0.00267	0	0
35	KICKER2	PZ	-0.00267	-0.00267	0	0
36	KICKER1	PZ	-0.00267	-0.00267	0	0
37	FACE3	PZ	-0.00889	-0.00889	0	0
38	FACE1	PZ	-0.00889	-0.00889	0	0
39	FACE2	PZ	-0.00444	-0.00444	0	0
40	CRPLATE6	PZ	-0.00267	-0.00267	0	0
41	CRPLATE5	PZ	-0.00267	-0.00267	0	0
42	CRPLATE4	PZ	-0.00267	-0.00267	0	0
43	CRPLATE3	PZ	-0.00267	-0.00267	0	0
44	CRPLATE2	PZ	-0.00267	-0.00267	0	0
45	CRPLATE1	PZ	-0.00267	-0.00267	0	0
46	CR3	PZ	-0.00355	-0.00355	0	0
47	CR2	PZ	-0.00355	-0.00355	0	0
48	CR1	PZ	-0.00355	-0.00355	0	0
49	SOPLATE3	PX	-5.8e-5	-5.8e-5	0	0
50	SOPLATE2	PX	-5.8e-5	-5.8e-5	0	0
51	SOPLATE1	PX	-5.8e-5	-5.8e-5	0	0
52	SO3	PX	-0.00385	-0.00385	0	0
53	SO2	PX	-0.00385	-0.00385	0	0
54	SO1	PX	-0.00385	-0.00385	0	0
55	RAILPLATE3	PX	-7.7e-5	-7.7e-5	0	0
56	RAILPLATE2	PX	-7.7e-5	-7.7e-5	0	0
57	RAILPLATE1	PX	-7.7e-5	-7.7e-5	0	0
58	RAIL3	PX	-0.00924	-0.00924	0	0
59	RAIL1	PX	-0.00924	-0.00924	0	0
60	RAIL2	PX	-0.00462	-0.00462	0	0
61	MP GAMMA7	PX	-0.00646	-0.00646	0	0
62	MP GAMMA6	PX	-0.00646	-0.00646	0	0
63	MP GAMMA5	PX	-0.00646	-0.00646	0	0
64	MP GAMMA4	PX	-0.00646	-0.00646	0	0
65	MP GAMMA3	PX	-0.00646	-0.00646	0	0
66	MP GAMMA2	PX	-0.00646	-0.00646	0	0
67	MP GAMMA1	PX	-0.00646	-0.00646	0	0
68	MP BETA7	PX	-0.00646	-0.00646	0	0
69	MP BETA6	PX	-0.00646	-0.00646	0	0
70	MP BETA5	PX	-0.00646	-0.00646	0	0
71	MP BETA4	PX	-0.00646	-0.00646	0	0
72	MP BETA3	PX	-0.00646	-0.00646	0	0
73	MP BETA2	PX	-0.00646	-0.00646	0	0
74	MP BETA1	PX	-0.00646	-0.00646	0	0
75	MP ALPHA7	PX	-0.00646	-0.00646	0	0
76	MP ALPHA6	PX	-0.00646	-0.00646	0	0
77	MP ALPHA5	PX	-0.00646	-0.00646	0	0
78	MP ALPHA4	PX	-0.00646	-0.00646	0	0
79	MP ALPHA3	PX	-0.00646	-0.00646	0	0
80	MP ALPHA2	PX	-0.00646	-0.00646	0	0
81	MP ALPHA1	PX	-0.00646	-0.00646	0	0
82	KICKER3	PX	-0.00462	-0.00462	0	0
83	KICKER2	PX	-0.00462	-0.00462	0	0
84	KICKER1	PX	-0.00462	-0.00462	0	0
85	FACE3	PX	-0.002	-0.002	0	0
86	FACE1	PX	-0.002	-0.002	0	0
87	FACE2	PX	-0.00077	-0.00077	0	0
88	CRPLATE6	PX	-0.00462	-0.00462	0	0
89	CRPLATE5	PX	-0.00462	-0.00462	0	0
90	CRPLATE4	PX	-0.00462	-0.00462	0	0

Member Distributed Loads (BLC 19 : Maintenance (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
91	CRPLATE3	PX	-0.000462	-0.000462	0	0
92	CRPLATE2	PX	-0.000462	-0.000462	0	0
93	CRPLATE1	PX	-0.000462	-0.000462	0	0
94	CR3	PX	-0.000616	-0.000616	0	0
95	CR2	PX	-0.000616	-0.000616	0	0
96	CR1	PX	-0.000616	-0.000616	0	0

Member Distributed Loads (BLC 20 : Maintenance (150))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
1	SOPLATE3	PZ	-5.8e-5	-5.8e-5	0	0
2	SOPLATE2	PZ	-5.8e-5	-5.8e-5	0	0
3	SOPLATE1	PZ	-5.8e-5	-5.8e-5	0	0
4	SO3	PZ	-0.000385	-0.000385	0	0
5	SO2	PZ	-0.000385	-0.000385	0	0
6	SO1	PZ	-0.000385	-0.000385	0	0
7	RAILPLATE3	PZ	-7.7e-5	-7.7e-5	0	0
8	RAILPLATE2	PZ	-7.7e-5	-7.7e-5	0	0
9	RAILPLATE1	PZ	-7.7e-5	-7.7e-5	0	0
10	RAIL3	PZ	-0.000924	-0.000924	0	0
11	RAIL1	PZ	-0.000924	-0.000924	0	0
12	RAIL2	PZ	-0.000462	-0.000462	0	0
13	MP GAMMA7	PZ	-0.000646	-0.000646	0	0
14	MP GAMMA6	PZ	-0.000646	-0.000646	0	0
15	MP GAMMA5	PZ	-0.000646	-0.000646	0	0
16	MP GAMMA4	PZ	-0.000646	-0.000646	0	0
17	MP GAMMA3	PZ	-0.000646	-0.000646	0	0
18	MP GAMMA2	PZ	-0.000646	-0.000646	0	0
19	MP GAMMA1	PZ	-0.000646	-0.000646	0	0
20	MP BETA7	PZ	-0.000646	-0.000646	0	0
21	MP BETA6	PZ	-0.000646	-0.000646	0	0
22	MP BETA5	PZ	-0.000646	-0.000646	0	0
23	MP BETA4	PZ	-0.000646	-0.000646	0	0
24	MP BETA3	PZ	-0.000646	-0.000646	0	0
25	MP BETA2	PZ	-0.000646	-0.000646	0	0
26	MP BETA1	PZ	-0.000646	-0.000646	0	0
27	MP ALPHA7	PZ	-0.000646	-0.000646	0	0
28	MP ALPHA6	PZ	-0.000646	-0.000646	0	0
29	MP ALPHA5	PZ	-0.000646	-0.000646	0	0
30	MP ALPHA4	PZ	-0.000646	-0.000646	0	0
31	MP ALPHA3	PZ	-0.000646	-0.000646	0	0
32	MP ALPHA2	PZ	-0.000646	-0.000646	0	0
33	MP ALPHA1	PZ	-0.000646	-0.000646	0	0
34	KICKER3	PZ	-0.000462	-0.000462	0	0
35	KICKER2	PZ	-0.000462	-0.000462	0	0
36	KICKER1	PZ	-0.000462	-0.000462	0	0
37	FACE3	PZ	-0.002	-0.002	0	0
38	FACE1	PZ	-0.002	-0.002	0	0
39	FACE2	PZ	-0.00077	-0.00077	0	0
40	CRPLATE6	PZ	-0.000462	-0.000462	0	0
41	CRPLATE5	PZ	-0.000462	-0.000462	0	0
42	CRPLATE4	PZ	-0.000462	-0.000462	0	0
43	CRPLATE3	PZ	-0.000462	-0.000462	0	0
44	CRPLATE2	PZ	-0.000462	-0.000462	0	0
45	CRPLATE1	PZ	-0.000462	-0.000462	0	0
46	CR3	PZ	-0.000616	-0.000616	0	0
47	CR2	PZ	-0.000616	-0.000616	0	0

Member Distributed Loads (BLC 20 : Maintenance (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...	Start Location[ft.%]	End Location[ft.%]
48	CR1	PZ	-0.00616	-0.00616	0	0
49	SOPLATE3	PX	-3.3e-5	-3.3e-5	0	0
50	SOPLATE2	PX	-3.3e-5	-3.3e-5	0	0
51	SOPLATE1	PX	-3.3e-5	-3.3e-5	0	0
52	SO3	PX	-0.00222	-0.00222	0	0
53	SO2	PX	-0.00222	-0.00222	0	0
54	SO1	PX	-0.00222	-0.00222	0	0
55	RAILPLATE3	PX	-4.4e-5	-4.4e-5	0	0
56	RAILPLATE2	PX	-4.4e-5	-4.4e-5	0	0
57	RAILPLATE1	PX	-4.4e-5	-4.4e-5	0	0
58	RAIL3	PX	-0.00533	-0.00533	0	0
59	RAIL1	PX	-0.00533	-0.00533	0	0
60	RAIL2	PX	-0.00267	-0.00267	0	0
61	MP GAMMA7	PX	-0.00373	-0.00373	0	0
62	MP GAMMA6	PX	-0.00373	-0.00373	0	0
63	MP GAMMA5	PX	-0.00373	-0.00373	0	0
64	MP GAMMA4	PX	-0.00373	-0.00373	0	0
65	MP GAMMA3	PX	-0.00373	-0.00373	0	0
66	MP GAMMA2	PX	-0.00373	-0.00373	0	0
67	MP GAMMA1	PX	-0.00373	-0.00373	0	0
68	MP BETA7	PX	-0.00373	-0.00373	0	0
69	MP BETA6	PX	-0.00373	-0.00373	0	0
70	MP BETA5	PX	-0.00373	-0.00373	0	0
71	MP BETA4	PX	-0.00373	-0.00373	0	0
72	MP BETA3	PX	-0.00373	-0.00373	0	0
73	MP BETA2	PX	-0.00373	-0.00373	0	0
74	MP BETA1	PX	-0.00373	-0.00373	0	0
75	MP ALPHA7	PX	-0.00373	-0.00373	0	0
76	MP ALPHA6	PX	-0.00373	-0.00373	0	0
77	MP ALPHA5	PX	-0.00373	-0.00373	0	0
78	MP ALPHA4	PX	-0.00373	-0.00373	0	0
79	MP ALPHA3	PX	-0.00373	-0.00373	0	0
80	MP ALPHA2	PX	-0.00373	-0.00373	0	0
81	MP ALPHA1	PX	-0.00373	-0.00373	0	0
82	KICKER3	PX	-0.00267	-0.00267	0	0
83	KICKER2	PX	-0.00267	-0.00267	0	0
84	KICKER1	PX	-0.00267	-0.00267	0	0
85	FACE3	PX	-0.00889	-0.00889	0	0
86	FACE1	PX	-0.00889	-0.00889	0	0
87	FACE2	PX	-0.00444	-0.00444	0	0
88	CRPLATE6	PX	-0.00267	-0.00267	0	0
89	CRPLATE5	PX	-0.00267	-0.00267	0	0
90	CRPLATE4	PX	-0.00267	-0.00267	0	0
91	CRPLATE3	PX	-0.00267	-0.00267	0	0
92	CRPLATE2	PX	-0.00267	-0.00267	0	0
93	CRPLATE1	PX	-0.00267	-0.00267	0	0
94	CR3	PX	-0.00355	-0.00355	0	0
95	CR2	PX	-0.00355	-0.00355	0	0
96	CR1	PX	-0.00355	-0.00355	0	0

Member Distributed Loads (BLC 21 : Maintenance (180))

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...	Start Location[ft.%]	End Location[ft.%]
1	SOPLATE3	PZ	-6.7e-5	-6.7e-5	0	0
2	SOPLATE2	PZ	-6.7e-5	-6.7e-5	0	0
3	SOPLATE1	PZ	-6.7e-5	-6.7e-5	0	0
4	SO3	PZ	-0.00444	-0.00444	0	0

Member Distributed Loads (BLC 21 : Maintenance (180)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
5	SO2	PZ	-0.00444	-0.00444	0	0
6	SO1	PZ	-0.00444	-0.00444	0	0
7	RAILPLATE3	PZ	-8.9e-5	-8.9e-5	0	0
8	RAILPLATE2	PZ	-8.9e-5	-8.9e-5	0	0
9	RAILPLATE1	PZ	-8.9e-5	-8.9e-5	0	0
10	RAIL3	PZ	-0.001	-0.001	0	0
11	RAIL1	PZ	-0.001	-0.001	0	0
12	RAIL2	PZ	-0.00533	-0.00533	0	0
13	MP GAMMA7	PZ	-0.00747	-0.00747	0	0
14	MP GAMMA6	PZ	-0.00747	-0.00747	0	0
15	MP GAMMA5	PZ	-0.00747	-0.00747	0	0
16	MP GAMMA4	PZ	-0.00747	-0.00747	0	0
17	MP GAMMA3	PZ	-0.00747	-0.00747	0	0
18	MP GAMMA2	PZ	-0.00747	-0.00747	0	0
19	MP GAMMA1	PZ	-0.00747	-0.00747	0	0
20	MP BETA7	PZ	-0.00747	-0.00747	0	0
21	MP BETA6	PZ	-0.00747	-0.00747	0	0
22	MP BETA5	PZ	-0.00747	-0.00747	0	0
23	MP BETA4	PZ	-0.00747	-0.00747	0	0
24	MP BETA3	PZ	-0.00747	-0.00747	0	0
25	MP BETA2	PZ	-0.00747	-0.00747	0	0
26	MP BETA1	PZ	-0.00747	-0.00747	0	0
27	MP ALPHA7	PZ	-0.00747	-0.00747	0	0
28	MP ALPHA6	PZ	-0.00747	-0.00747	0	0
29	MP ALPHA5	PZ	-0.00747	-0.00747	0	0
30	MP ALPHA4	PZ	-0.00747	-0.00747	0	0
31	MP ALPHA3	PZ	-0.00747	-0.00747	0	0
32	MP ALPHA2	PZ	-0.00747	-0.00747	0	0
33	MP ALPHA1	PZ	-0.00747	-0.00747	0	0
34	KICKER3	PZ	-0.00533	-0.00533	0	0
35	KICKER2	PZ	-0.00533	-0.00533	0	0
36	KICKER1	PZ	-0.00533	-0.00533	0	0
37	FACE3	PZ	-0.002	-0.002	0	0
38	FACE1	PZ	-0.002	-0.002	0	0
39	FACE2	PZ	-0.00889	-0.00889	0	0
40	CRPLATE6	PZ	-0.00533	-0.00533	0	0
41	CRPLATE5	PZ	-0.00533	-0.00533	0	0
42	CRPLATE4	PZ	-0.00533	-0.00533	0	0
43	CRPLATE3	PZ	-0.00533	-0.00533	0	0
44	CRPLATE2	PZ	-0.00533	-0.00533	0	0
45	CRPLATE1	PZ	-0.00533	-0.00533	0	0
46	CR3	PZ	-0.00711	-0.00711	0	0
47	CR2	PZ	-0.00711	-0.00711	0	0
48	CR1	PZ	-0.00711	-0.00711	0	0

Member Distributed Loads (BLC 22 : Maintenance (210))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
1	SOPLATE3	PZ	-5.8e-5	-5.8e-5	0	0
2	SOPLATE2	PZ	-5.8e-5	-5.8e-5	0	0
3	SOPLATE1	PZ	-5.8e-5	-5.8e-5	0	0
4	SO3	PZ	-0.00385	-0.00385	0	0
5	SO2	PZ	-0.00385	-0.00385	0	0
6	SO1	PZ	-0.00385	-0.00385	0	0
7	RAILPLATE3	PZ	-7.7e-5	-7.7e-5	0	0
8	RAILPLATE2	PZ	-7.7e-5	-7.7e-5	0	0
9	RAILPLATE1	PZ	-7.7e-5	-7.7e-5	0	0

Member Distributed Loads (BLC 22 : Maintenance (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
10	RAIL1	PZ	-0.000924	-0.000924	0	0
11	RAIL2	PZ	-0.000924	-0.000924	0	0
12	RAIL3	PZ	-0.000462	-0.000462	0	0
13	MP GAMMA7	PZ	-0.000646	-0.000646	0	0
14	MP GAMMA6	PZ	-0.000646	-0.000646	0	0
15	MP GAMMA5	PZ	-0.000646	-0.000646	0	0
16	MP GAMMA4	PZ	-0.000646	-0.000646	0	0
17	MP GAMMA3	PZ	-0.000646	-0.000646	0	0
18	MP GAMMA2	PZ	-0.000646	-0.000646	0	0
19	MP GAMMA1	PZ	-0.000646	-0.000646	0	0
20	MP BETA7	PZ	-0.000646	-0.000646	0	0
21	MP BETA6	PZ	-0.000646	-0.000646	0	0
22	MP BETA5	PZ	-0.000646	-0.000646	0	0
23	MP BETA4	PZ	-0.000646	-0.000646	0	0
24	MP BETA3	PZ	-0.000646	-0.000646	0	0
25	MP BETA2	PZ	-0.000646	-0.000646	0	0
26	MP BETA1	PZ	-0.000646	-0.000646	0	0
27	MP ALPHA7	PZ	-0.000646	-0.000646	0	0
28	MP ALPHA6	PZ	-0.000646	-0.000646	0	0
29	MP ALPHA5	PZ	-0.000646	-0.000646	0	0
30	MP ALPHA4	PZ	-0.000646	-0.000646	0	0
31	MP ALPHA3	PZ	-0.000646	-0.000646	0	0
32	MP ALPHA2	PZ	-0.000646	-0.000646	0	0
33	MP ALPHA1	PZ	-0.000646	-0.000646	0	0
34	KICKER3	PZ	-0.000462	-0.000462	0	0
35	KICKER2	PZ	-0.000462	-0.000462	0	0
36	KICKER1	PZ	-0.000462	-0.000462	0	0
37	FACE1	PZ	-0.002	-0.002	0	0
38	FACE2	PZ	-0.002	-0.002	0	0
39	FACE3	PZ	-0.00077	-0.00077	0	0
40	CRPLATE6	PZ	-0.000462	-0.000462	0	0
41	CRPLATE5	PZ	-0.000462	-0.000462	0	0
42	CRPLATE4	PZ	-0.000462	-0.000462	0	0
43	CRPLATE3	PZ	-0.000462	-0.000462	0	0
44	CRPLATE2	PZ	-0.000462	-0.000462	0	0
45	CRPLATE1	PZ	-0.000462	-0.000462	0	0
46	CR3	PZ	-0.000616	-0.000616	0	0
47	CR2	PZ	-0.000616	-0.000616	0	0
48	CR1	PZ	-0.000616	-0.000616	0	0
49	SOPLATE3	PX	3.3e-5	3.3e-5	0	0
50	SOPLATE2	PX	3.3e-5	3.3e-5	0	0
51	SOPLATE1	PX	3.3e-5	3.3e-5	0	0
52	SO3	PX	.000222	.000222	0	0
53	SO2	PX	.000222	.000222	0	0
54	SO1	PX	.000222	.000222	0	0
55	RAILPLATE3	PX	4.4e-5	4.4e-5	0	0
56	RAILPLATE2	PX	4.4e-5	4.4e-5	0	0
57	RAILPLATE1	PX	4.4e-5	4.4e-5	0	0
58	RAIL1	PX	.000533	.000533	0	0
59	RAIL2	PX	.000533	.000533	0	0
60	RAIL3	PX	.000267	.000267	0	0
61	MP GAMMA7	PX	.000373	.000373	0	0
62	MP GAMMA6	PX	.000373	.000373	0	0
63	MP GAMMA5	PX	.000373	.000373	0	0
64	MP GAMMA4	PX	.000373	.000373	0	0
65	MP GAMMA3	PX	.000373	.000373	0	0
66	MP GAMMA2	PX	.000373	.000373	0	0

Member Distributed Loads (BLC 22 : Maintenance (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
67	MP GAMMA1	PX	.000373	.000373	0	0
68	MP BETA7	PX	.000373	.000373	0	0
69	MP BETA6	PX	.000373	.000373	0	0
70	MP BETA5	PX	.000373	.000373	0	0
71	MP BETA4	PX	.000373	.000373	0	0
72	MP BETA3	PX	.000373	.000373	0	0
73	MP BETA2	PX	.000373	.000373	0	0
74	MP BETA1	PX	.000373	.000373	0	0
75	MP ALPHA7	PX	.000373	.000373	0	0
76	MP ALPHA6	PX	.000373	.000373	0	0
77	MP ALPHA5	PX	.000373	.000373	0	0
78	MP ALPHA4	PX	.000373	.000373	0	0
79	MP ALPHA3	PX	.000373	.000373	0	0
80	MP ALPHA2	PX	.000373	.000373	0	0
81	MP ALPHA1	PX	.000373	.000373	0	0
82	KICKER3	PX	.000267	.000267	0	0
83	KICKER2	PX	.000267	.000267	0	0
84	KICKER1	PX	.000267	.000267	0	0
85	FACE1	PX	.000889	.000889	0	0
86	FACE2	PX	.000889	.000889	0	0
87	FACE3	PX	.000444	.000444	0	0
88	CRPLATE6	PX	.000267	.000267	0	0
89	CRPLATE5	PX	.000267	.000267	0	0
90	CRPLATE4	PX	.000267	.000267	0	0
91	CRPLATE3	PX	.000267	.000267	0	0
92	CRPLATE2	PX	.000267	.000267	0	0
93	CRPLATE1	PX	.000267	.000267	0	0
94	CR3	PX	.000355	.000355	0	0
95	CR2	PX	.000355	.000355	0	0
96	CR1	PX	.000355	.000355	0	0

Member Distributed Loads (BLC 23 : Maintenance (240))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
1	SOPLATE3	PZ	-3.3e-5	-3.3e-5	0	0
2	SOPLATE2	PZ	-3.3e-5	-3.3e-5	0	0
3	SOPLATE1	PZ	-3.3e-5	-3.3e-5	0	0
4	SO3	PZ	-.000222	-.000222	0	0
5	SO2	PZ	-.000222	-.000222	0	0
6	SO1	PZ	-.000222	-.000222	0	0
7	RAILPLATE3	PZ	-4.4e-5	-4.4e-5	0	0
8	RAILPLATE2	PZ	-4.4e-5	-4.4e-5	0	0
9	RAILPLATE1	PZ	-4.4e-5	-4.4e-5	0	0
10	RAIL1	PZ	-.000533	-.000533	0	0
11	RAIL2	PZ	-.000533	-.000533	0	0
12	RAIL3	PZ	-.000267	-.000267	0	0
13	MP GAMMA7	PZ	-.000373	-.000373	0	0
14	MP GAMMA6	PZ	-.000373	-.000373	0	0
15	MP GAMMA5	PZ	-.000373	-.000373	0	0
16	MP GAMMA4	PZ	-.000373	-.000373	0	0
17	MP GAMMA3	PZ	-.000373	-.000373	0	0
18	MP GAMMA2	PZ	-.000373	-.000373	0	0
19	MP GAMMA1	PZ	-.000373	-.000373	0	0
20	MP BETA7	PZ	-.000373	-.000373	0	0
21	MP BETA6	PZ	-.000373	-.000373	0	0
22	MP BETA5	PZ	-.000373	-.000373	0	0
23	MP BETA4	PZ	-.000373	-.000373	0	0

Member Distributed Loads (BLC 23 : Maintenance (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
24	MP BETA3	PZ	-0.000373	-0.000373	0	0
25	MP BETA2	PZ	-0.000373	-0.000373	0	0
26	MP BETA1	PZ	-0.000373	-0.000373	0	0
27	MP ALPHA7	PZ	-0.000373	-0.000373	0	0
28	MP ALPHA6	PZ	-0.000373	-0.000373	0	0
29	MP ALPHA5	PZ	-0.000373	-0.000373	0	0
30	MP ALPHA4	PZ	-0.000373	-0.000373	0	0
31	MP ALPHA3	PZ	-0.000373	-0.000373	0	0
32	MP ALPHA2	PZ	-0.000373	-0.000373	0	0
33	MP ALPHA1	PZ	-0.000373	-0.000373	0	0
34	KICKER3	PZ	-0.000267	-0.000267	0	0
35	KICKER2	PZ	-0.000267	-0.000267	0	0
36	KICKER1	PZ	-0.000267	-0.000267	0	0
37	FACE1	PZ	-0.000889	-0.000889	0	0
38	FACE2	PZ	-0.000889	-0.000889	0	0
39	FACE3	PZ	-0.000444	-0.000444	0	0
40	CRPLATE6	PZ	-0.000267	-0.000267	0	0
41	CRPLATE5	PZ	-0.000267	-0.000267	0	0
42	CRPLATE4	PZ	-0.000267	-0.000267	0	0
43	CRPLATE3	PZ	-0.000267	-0.000267	0	0
44	CRPLATE2	PZ	-0.000267	-0.000267	0	0
45	CRPLATE1	PZ	-0.000267	-0.000267	0	0
46	CR3	PZ	-0.000355	-0.000355	0	0
47	CR2	PZ	-0.000355	-0.000355	0	0
48	CR1	PZ	-0.000355	-0.000355	0	0
49	SOPLATE3	PX	5.8e-5	5.8e-5	0	0
50	SOPLATE2	PX	5.8e-5	5.8e-5	0	0
51	SOPLATE1	PX	5.8e-5	5.8e-5	0	0
52	SO3	PX	.000385	.000385	0	0
53	SO2	PX	.000385	.000385	0	0
54	SO1	PX	.000385	.000385	0	0
55	RAILPLATE3	PX	7.7e-5	7.7e-5	0	0
56	RAILPLATE2	PX	7.7e-5	7.7e-5	0	0
57	RAILPLATE1	PX	7.7e-5	7.7e-5	0	0
58	RAIL1	PX	.000924	.000924	0	0
59	RAIL2	PX	.000924	.000924	0	0
60	RAIL3	PX	.000462	.000462	0	0
61	MP GAMMA7	PX	.000646	.000646	0	0
62	MP GAMMA6	PX	.000646	.000646	0	0
63	MP GAMMA5	PX	.000646	.000646	0	0
64	MP GAMMA4	PX	.000646	.000646	0	0
65	MP GAMMA3	PX	.000646	.000646	0	0
66	MP GAMMA2	PX	.000646	.000646	0	0
67	MP GAMMA1	PX	.000646	.000646	0	0
68	MP BETA7	PX	.000646	.000646	0	0
69	MP BETA6	PX	.000646	.000646	0	0
70	MP BETA5	PX	.000646	.000646	0	0
71	MP BETA4	PX	.000646	.000646	0	0
72	MP BETA3	PX	.000646	.000646	0	0
73	MP BETA2	PX	.000646	.000646	0	0
74	MP BETA1	PX	.000646	.000646	0	0
75	MP ALPHA7	PX	.000646	.000646	0	0
76	MP ALPHA6	PX	.000646	.000646	0	0
77	MP ALPHA5	PX	.000646	.000646	0	0
78	MP ALPHA4	PX	.000646	.000646	0	0
79	MP ALPHA3	PX	.000646	.000646	0	0
80	MP ALPHA2	PX	.000646	.000646	0	0

Member Distributed Loads (BLC 23 : Maintenance (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
81	MP ALPHA1	PX	.000646	.000646	0	0
82	KICKER3	PX	.000462	.000462	0	0
83	KICKER2	PX	.000462	.000462	0	0
84	KICKER1	PX	.000462	.000462	0	0
85	FACE1	PX	.002	.002	0	0
86	FACE2	PX	.002	.002	0	0
87	FACE3	PX	.00077	.00077	0	0
88	CRPLATE6	PX	.000462	.000462	0	0
89	CRPLATE5	PX	.000462	.000462	0	0
90	CRPLATE4	PX	.000462	.000462	0	0
91	CRPLATE3	PX	.000462	.000462	0	0
92	CRPLATE2	PX	.000462	.000462	0	0
93	CRPLATE1	PX	.000462	.000462	0	0
94	CR3	PX	.000616	.000616	0	0
95	CR2	PX	.000616	.000616	0	0
96	CR1	PX	.000616	.000616	0	0

Member Distributed Loads (BLC 24 : Maintenance (270))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
1	SOPLATE3	PX	6.7e-5	6.7e-5	0	0
2	SOPLATE2	PX	6.7e-5	6.7e-5	0	0
3	SOPLATE1	PX	6.7e-5	6.7e-5	0	0
4	SO3	PX	.000444	.000444	0	0
5	SO2	PX	.000444	.000444	0	0
6	SO1	PX	.000444	.000444	0	0
7	RAILPLATE3	PX	8.9e-5	8.9e-5	0	0
8	RAILPLATE2	PX	8.9e-5	8.9e-5	0	0
9	RAILPLATE1	PX	8.9e-5	8.9e-5	0	0
10	RAIL1	PX	.001	.001	0	0
11	RAIL2	PX	.001	.001	0	0
12	RAIL3	PX	.000533	.000533	0	0
13	MP GAMMA7	PX	.000747	.000747	0	0
14	MP GAMMA6	PX	.000747	.000747	0	0
15	MP GAMMA5	PX	.000747	.000747	0	0
16	MP GAMMA4	PX	.000747	.000747	0	0
17	MP GAMMA3	PX	.000747	.000747	0	0
18	MP GAMMA2	PX	.000747	.000747	0	0
19	MP GAMMA1	PX	.000747	.000747	0	0
20	MP BETA7	PX	.000747	.000747	0	0
21	MP BETA6	PX	.000747	.000747	0	0
22	MP BETA5	PX	.000747	.000747	0	0
23	MP BETA4	PX	.000747	.000747	0	0
24	MP BETA3	PX	.000747	.000747	0	0
25	MP BETA2	PX	.000747	.000747	0	0
26	MP BETA1	PX	.000747	.000747	0	0
27	MP ALPHA7	PX	.000747	.000747	0	0
28	MP ALPHA6	PX	.000747	.000747	0	0
29	MP ALPHA5	PX	.000747	.000747	0	0
30	MP ALPHA4	PX	.000747	.000747	0	0
31	MP ALPHA3	PX	.000747	.000747	0	0
32	MP ALPHA2	PX	.000747	.000747	0	0
33	MP ALPHA1	PX	.000747	.000747	0	0
34	KICKER3	PX	.000533	.000533	0	0
35	KICKER2	PX	.000533	.000533	0	0
36	KICKER1	PX	.000533	.000533	0	0
37	FACE1	PX	.002	.002	0	0

Member Distributed Loads (BLC 24 : Maintenance (270)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
38	FACE2	PX	.002	.002	0	0
39	FACE3	PX	.000889	.000889	0	0
40	CRPLATE6	PX	.000533	.000533	0	0
41	CRPLATE5	PX	.000533	.000533	0	0
42	CRPLATE4	PX	.000533	.000533	0	0
43	CRPLATE3	PX	.000533	.000533	0	0
44	CRPLATE2	PX	.000533	.000533	0	0
45	CRPLATE1	PX	.000533	.000533	0	0
46	CR3	PX	.000711	.000711	0	0
47	CR2	PX	.000711	.000711	0	0
48	CR1	PX	.000711	.000711	0	0

Member Distributed Loads (BLC 25 : Maintenance (300))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SOPLATE3	PZ	3.3e-5	3.3e-5	0	0
2	SOPLATE2	PZ	3.3e-5	3.3e-5	0	0
3	SOPLATE1	PZ	3.3e-5	3.3e-5	0	0
4	SO3	PZ	.000222	.000222	0	0
5	SO2	PZ	.000222	.000222	0	0
6	SO1	PZ	.000222	.000222	0	0
7	RAILPLATE3	PZ	4.4e-5	4.4e-5	0	0
8	RAILPLATE2	PZ	4.4e-5	4.4e-5	0	0
9	RAILPLATE1	PZ	4.4e-5	4.4e-5	0	0
10	RAIL1	PZ	.000533	.000533	0	0
11	RAIL2	PZ	.000533	.000533	0	0
12	RAIL3	PZ	.000267	.000267	0	0
13	MP GAMMA7	PZ	.000373	.000373	0	0
14	MP GAMMA6	PZ	.000373	.000373	0	0
15	MP GAMMA5	PZ	.000373	.000373	0	0
16	MP GAMMA4	PZ	.000373	.000373	0	0
17	MP GAMMA3	PZ	.000373	.000373	0	0
18	MP GAMMA2	PZ	.000373	.000373	0	0
19	MP GAMMA1	PZ	.000373	.000373	0	0
20	MP BETA7	PZ	.000373	.000373	0	0
21	MP BETA6	PZ	.000373	.000373	0	0
22	MP BETA5	PZ	.000373	.000373	0	0
23	MP BETA4	PZ	.000373	.000373	0	0
24	MP BETA3	PZ	.000373	.000373	0	0
25	MP BETA2	PZ	.000373	.000373	0	0
26	MP BETA1	PZ	.000373	.000373	0	0
27	MP ALPHA7	PZ	.000373	.000373	0	0
28	MP ALPHA6	PZ	.000373	.000373	0	0
29	MP ALPHA5	PZ	.000373	.000373	0	0
30	MP ALPHA4	PZ	.000373	.000373	0	0
31	MP ALPHA3	PZ	.000373	.000373	0	0
32	MP ALPHA2	PZ	.000373	.000373	0	0
33	MP ALPHA1	PZ	.000373	.000373	0	0
34	KICKER3	PZ	.000267	.000267	0	0
35	KICKER2	PZ	.000267	.000267	0	0
36	KICKER1	PZ	.000267	.000267	0	0
37	FACE1	PZ	.000889	.000889	0	0
38	FACE2	PZ	.000889	.000889	0	0
39	FACE3	PZ	.000444	.000444	0	0
40	CRPLATE6	PZ	.000267	.000267	0	0
41	CRPLATE5	PZ	.000267	.000267	0	0
42	CRPLATE4	PZ	.000267	.000267	0	0

Member Distributed Loads (BLC 25 : Maintenance (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/f]	End Magnitude[k/f]	Start Location[ft.%]	End Location[ft.%]
43	CRPLATE3	PZ	.000267	.000267	0	0
44	CRPLATE2	PZ	.000267	.000267	0	0
45	CRPLATE1	PZ	.000267	.000267	0	0
46	CR3	PZ	.000355	.000355	0	0
47	CR2	PZ	.000355	.000355	0	0
48	CR1	PZ	.000355	.000355	0	0
49	SOPLATE3	PX	5.8e-5	5.8e-5	0	0
50	SOPLATE2	PX	5.8e-5	5.8e-5	0	0
51	SOPLATE1	PX	5.8e-5	5.8e-5	0	0
52	SO3	PX	.000385	.000385	0	0
53	SO2	PX	.000385	.000385	0	0
54	SO1	PX	.000385	.000385	0	0
55	RAILPLATE3	PX	7.7e-5	7.7e-5	0	0
56	RAILPLATE2	PX	7.7e-5	7.7e-5	0	0
57	RAILPLATE1	PX	7.7e-5	7.7e-5	0	0
58	RAIL1	PX	.000924	.000924	0	0
59	RAIL2	PX	.000924	.000924	0	0
60	RAIL3	PX	.000462	.000462	0	0
61	MP GAMMA7	PX	.000646	.000646	0	0
62	MP GAMMA6	PX	.000646	.000646	0	0
63	MP GAMMA5	PX	.000646	.000646	0	0
64	MP GAMMA4	PX	.000646	.000646	0	0
65	MP GAMMA3	PX	.000646	.000646	0	0
66	MP GAMMA2	PX	.000646	.000646	0	0
67	MP GAMMA1	PX	.000646	.000646	0	0
68	MP BETA7	PX	.000646	.000646	0	0
69	MP BETA6	PX	.000646	.000646	0	0
70	MP BETA5	PX	.000646	.000646	0	0
71	MP BETA4	PX	.000646	.000646	0	0
72	MP BETA3	PX	.000646	.000646	0	0
73	MP BETA2	PX	.000646	.000646	0	0
74	MP BETA1	PX	.000646	.000646	0	0
75	MP ALPHA7	PX	.000646	.000646	0	0
76	MP ALPHA6	PX	.000646	.000646	0	0
77	MP ALPHA5	PX	.000646	.000646	0	0
78	MP ALPHA4	PX	.000646	.000646	0	0
79	MP ALPHA3	PX	.000646	.000646	0	0
80	MP ALPHA2	PX	.000646	.000646	0	0
81	MP ALPHA1	PX	.000646	.000646	0	0
82	KICKER3	PX	.000462	.000462	0	0
83	KICKER2	PX	.000462	.000462	0	0
84	KICKER1	PX	.000462	.000462	0	0
85	FACE1	PX	.002	.002	0	0
86	FACE2	PX	.002	.002	0	0
87	FACE3	PX	.00077	.00077	0	0
88	CRPLATE6	PX	.000462	.000462	0	0
89	CRPLATE5	PX	.000462	.000462	0	0
90	CRPLATE4	PX	.000462	.000462	0	0
91	CRPLATE3	PX	.000462	.000462	0	0
92	CRPLATE2	PX	.000462	.000462	0	0
93	CRPLATE1	PX	.000462	.000462	0	0
94	CR3	PX	.000616	.000616	0	0
95	CR2	PX	.000616	.000616	0	0
96	CR1	PX	.000616	.000616	0	0

Member Distributed Loads (BLC 26 : Maintenance (330))

	Member Label	Direction	Start Magnitude[k/f]	End Magnitude[k/f]	Start Location[ft.%]	End Location[ft.%]
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Member Distributed Loads (BLC 26 : Maintenance (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft.%]	End Location[ft.%]
1	SOPLATE3	PZ	5.8e-5	5.8e-5	0	0
2	SOPLATE2	PZ	5.8e-5	5.8e-5	0	0
3	SOPLATE1	PZ	5.8e-5	5.8e-5	0	0
4	SO3	PZ	.000385	.000385	0	0
5	SO2	PZ	.000385	.000385	0	0
6	SO1	PZ	.000385	.000385	0	0
7	RAILPLATE3	PZ	7.7e-5	7.7e-5	0	0
8	RAILPLATE2	PZ	7.7e-5	7.7e-5	0	0
9	RAILPLATE1	PZ	7.7e-5	7.7e-5	0	0
10	RAIL3	PZ	.000924	.000924	0	0
11	RAIL2	PZ	.000924	.000924	0	0
12	RAIL1	PZ	.000462	.000462	0	0
13	MP GAMMA7	PZ	.000646	.000646	0	0
14	MP GAMMA6	PZ	.000646	.000646	0	0
15	MP GAMMA5	PZ	.000646	.000646	0	0
16	MP GAMMA4	PZ	.000646	.000646	0	0
17	MP GAMMA3	PZ	.000646	.000646	0	0
18	MP GAMMA2	PZ	.000646	.000646	0	0
19	MP GAMMA1	PZ	.000646	.000646	0	0
20	MP BETA7	PZ	.000646	.000646	0	0
21	MP BETA6	PZ	.000646	.000646	0	0
22	MP BETA5	PZ	.000646	.000646	0	0
23	MP BETA4	PZ	.000646	.000646	0	0
24	MP BETA3	PZ	.000646	.000646	0	0
25	MP BETA2	PZ	.000646	.000646	0	0
26	MP BETA1	PZ	.000646	.000646	0	0
27	MP ALPHA7	PZ	.000646	.000646	0	0
28	MP ALPHA6	PZ	.000646	.000646	0	0
29	MP ALPHA5	PZ	.000646	.000646	0	0
30	MP ALPHA4	PZ	.000646	.000646	0	0
31	MP ALPHA3	PZ	.000646	.000646	0	0
32	MP ALPHA2	PZ	.000646	.000646	0	0
33	MP ALPHA1	PZ	.000646	.000646	0	0
34	KICKER3	PZ	.000462	.000462	0	0
35	KICKER2	PZ	.000462	.000462	0	0
36	KICKER1	PZ	.000462	.000462	0	0
37	FACE3	PZ	.002	.002	0	0
38	FACE2	PZ	.002	.002	0	0
39	FACE1	PZ	.00077	.00077	0	0
40	CRPLATE6	PZ	.000462	.000462	0	0
41	CRPLATE5	PZ	.000462	.000462	0	0
42	CRPLATE4	PZ	.000462	.000462	0	0
43	CRPLATE3	PZ	.000462	.000462	0	0
44	CRPLATE2	PZ	.000462	.000462	0	0
45	CRPLATE1	PZ	.000462	.000462	0	0
46	CR3	PZ	.000616	.000616	0	0
47	CR2	PZ	.000616	.000616	0	0
48	CR1	PZ	.000616	.000616	0	0
49	SOPLATE3	PX	3.3e-5	3.3e-5	0	0
50	SOPLATE2	PX	3.3e-5	3.3e-5	0	0
51	SOPLATE1	PX	3.3e-5	3.3e-5	0	0
52	SO3	PX	.000222	.000222	0	0
53	SO2	PX	.000222	.000222	0	0
54	SO1	PX	.000222	.000222	0	0
55	RAILPLATE3	PX	4.4e-5	4.4e-5	0	0
56	RAILPLATE2	PX	4.4e-5	4.4e-5	0	0
57	RAILPLATE1	PX	4.4e-5	4.4e-5	0	0

Member Distributed Loads (BLC 26 : Maintenance (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
58	RAIL3	PX	.000533	.000533	0	0
59	RAIL2	PX	.000533	.000533	0	0
60	RAIL1	PX	.000267	.000267	0	0
61	MP GAMMA7	PX	.000373	.000373	0	0
62	MP GAMMA6	PX	.000373	.000373	0	0
63	MP GAMMA5	PX	.000373	.000373	0	0
64	MP GAMMA4	PX	.000373	.000373	0	0
65	MP GAMMA3	PX	.000373	.000373	0	0
66	MP GAMMA2	PX	.000373	.000373	0	0
67	MP GAMMA1	PX	.000373	.000373	0	0
68	MP BETA7	PX	.000373	.000373	0	0
69	MP BETA6	PX	.000373	.000373	0	0
70	MP BETA5	PX	.000373	.000373	0	0
71	MP BETA4	PX	.000373	.000373	0	0
72	MP BETA3	PX	.000373	.000373	0	0
73	MP BETA2	PX	.000373	.000373	0	0
74	MP BETA1	PX	.000373	.000373	0	0
75	MP ALPHA7	PX	.000373	.000373	0	0
76	MP ALPHA6	PX	.000373	.000373	0	0
77	MP ALPHA5	PX	.000373	.000373	0	0
78	MP ALPHA4	PX	.000373	.000373	0	0
79	MP ALPHA3	PX	.000373	.000373	0	0
80	MP ALPHA2	PX	.000373	.000373	0	0
81	MP ALPHA1	PX	.000373	.000373	0	0
82	KICKER3	PX	.000267	.000267	0	0
83	KICKER2	PX	.000267	.000267	0	0
84	KICKER1	PX	.000267	.000267	0	0
85	FACE3	PX	.000889	.000889	0	0
86	FACE2	PX	.000889	.000889	0	0
87	FACE1	PX	.000444	.000444	0	0
88	CRPLATE6	PX	.000267	.000267	0	0
89	CRPLATE5	PX	.000267	.000267	0	0
90	CRPLATE4	PX	.000267	.000267	0	0
91	CRPLATE3	PX	.000267	.000267	0	0
92	CRPLATE2	PX	.000267	.000267	0	0
93	CRPLATE1	PX	.000267	.000267	0	0
94	CR3	PX	.000355	.000355	0	0
95	CR2	PX	.000355	.000355	0	0
96	CR1	PX	.000355	.000355	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
1	SOPLATE3	Y	-.011	-.011	0	0
2	SOPLATE2	Y	-.011	-.011	0	0
3	SOPLATE1	Y	-.011	-.011	0	0
4	SO3	Y	-.009	-.009	0	0
5	SO2	Y	-.009	-.009	0	0
6	SO1	Y	-.009	-.009	0	0
7	RAILPLATE3	Y	-.008	-.008	0	0
8	RAILPLATE2	Y	-.008	-.008	0	0
9	RAILPLATE1	Y	-.008	-.008	0	0
10	RAIL3	Y	-.007	-.007	0	0
11	RAIL2	Y	-.007	-.007	0	0
12	RAIL1	Y	-.007	-.007	0	0
13	MP GAMMA7	Y	-.007	-.007	0	0
14	MP GAMMA6	Y	-.007	-.007	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
15	MP GAMMA5	Y	-.007	-.007	0	0
16	MP GAMMA4	Y	-.007	-.007	0	0
17	MP GAMMA3	Y	-.007	-.007	0	0
18	MP GAMMA2	Y	-.007	-.007	0	0
19	MP GAMMA1	Y	-.007	-.007	0	0
20	MP BETA7	Y	-.007	-.007	0	0
21	MP BETA6	Y	-.007	-.007	0	0
22	MP BETA5	Y	-.007	-.007	0	0
23	MP BETA4	Y	-.007	-.007	0	0
24	MP BETA3	Y	-.007	-.007	0	0
25	MP BETA2	Y	-.007	-.007	0	0
26	MP BETA1	Y	-.007	-.007	0	0
27	MP ALPHA7	Y	-.007	-.007	0	0
28	MP ALPHA6	Y	-.007	-.007	0	0
29	MP ALPHA5	Y	-.007	-.007	0	0
30	MP ALPHA4	Y	-.007	-.007	0	0
31	MP ALPHA3	Y	-.007	-.007	0	0
32	MP ALPHA2	Y	-.007	-.007	0	0
33	MP ALPHA1	Y	-.007	-.007	0	0
34	KICKER3	Y	-.012	-.012	0	0
35	KICKER2	Y	-.012	-.012	0	0
36	KICKER1	Y	-.012	-.012	0	0
37	FACE3	Y	-.01	-.01	0	0
38	FACE2	Y	-.01	-.01	0	0
39	FACE1	Y	-.01	-.01	0	0
40	CRPLATE6	Y	-.005	-.005	0	0
41	CRPLATE5	Y	-.005	-.005	0	0
42	CRPLATE4	Y	-.005	-.005	0	0
43	CRPLATE3	Y	-.005	-.005	0	0
44	CRPLATE2	Y	-.005	-.005	0	0
45	CRPLATE1	Y	-.005	-.005	0	0
46	CR3	Y	-.009	-.009	0	0
47	CR2	Y	-.009	-.009	0	0
48	CR1	Y	-.009	-.009	0	0

Member Distributed Loads (BLC 28 : Ice Wind Load (0))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
1	SOPLATE3	PZ	.000949	.000949	0	0
2	SOPLATE2	PZ	.000949	.000949	0	0
3	SOPLATE1	PZ	.000949	.000949	0	0
4	SO3	PZ	.001	.001	0	0
5	SO2	PZ	.001	.001	0	0
6	SO1	PZ	.001	.001	0	0
7	RAILPLATE3	PZ	.000993	.000993	0	0
8	RAILPLATE2	PZ	.000993	.000993	0	0
9	RAILPLATE1	PZ	.000993	.000993	0	0
10	RAIL3	PZ	.004	.004	0	0
11	RAIL2	PZ	.004	.004	0	0
12	RAIL1	PZ	.002	.002	0	0
13	MP GAMMA7	PZ	.003	.003	0	0
14	MP GAMMA6	PZ	.003	.003	0	0
15	MP GAMMA5	PZ	.003	.003	0	0
16	MP GAMMA4	PZ	.003	.003	0	0
17	MP GAMMA3	PZ	.003	.003	0	0
18	MP GAMMA2	PZ	.003	.003	0	0
19	MP GAMMA1	PZ	.003	.003	0	0

Member Distributed Loads (BLC 28 : Ice Wind Load (0)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
20	MP BETA7	PZ	.003	.003	0	0
21	MP BETA6	PZ	.003	.003	0	0
22	MP BETA5	PZ	.003	.003	0	0
23	MP BETA4	PZ	.003	.003	0	0
24	MP BETA3	PZ	.003	.003	0	0
25	MP BETA2	PZ	.003	.003	0	0
26	MP BETA1	PZ	.003	.003	0	0
27	MP ALPHA7	PZ	.003	.003	0	0
28	MP ALPHA6	PZ	.003	.003	0	0
29	MP ALPHA5	PZ	.003	.003	0	0
30	MP ALPHA4	PZ	.003	.003	0	0
31	MP ALPHA3	PZ	.003	.003	0	0
32	MP ALPHA2	PZ	.003	.003	0	0
33	MP ALPHA1	PZ	.003	.003	0	0
34	KICKER3	PZ	.002	.002	0	0
35	KICKER2	PZ	.002	.002	0	0
36	KICKER1	PZ	.002	.002	0	0
37	FACE3	PZ	.005	.005	0	0
38	FACE2	PZ	.005	.005	0	0
39	FACE1	PZ	.003	.003	0	0
40	CRPLATE6	PZ	.002	.002	0	0
41	CRPLATE5	PZ	.002	.002	0	0
42	CRPLATE4	PZ	.002	.002	0	0
43	CRPLATE3	PZ	.002	.002	0	0
44	CRPLATE2	PZ	.002	.002	0	0
45	CRPLATE1	PZ	.002	.002	0	0
46	CR3	PZ	.002	.002	0	0
47	CR2	PZ	.002	.002	0	0
48	CR1	PZ	.002	.002	0	0

Member Distributed Loads (BLC 29 : Ice Wind Load (30))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SOPLATE3	PZ	.000822	.000822	0	0
2	SOPLATE2	PZ	.000822	.000822	0	0
3	SOPLATE1	PZ	.000822	.000822	0	0
4	SO3	PZ	.001	.001	0	0
5	SO2	PZ	.001	.001	0	0
6	SO1	PZ	.001	.001	0	0
7	RAILPLATE3	PZ	.00086	.00086	0	0
8	RAILPLATE2	PZ	.00086	.00086	0	0
9	RAILPLATE1	PZ	.00086	.00086	0	0
10	RAIL3	PZ	.003	.003	0	0
11	RAIL2	PZ	.003	.003	0	0
12	RAIL1	PZ	.002	.002	0	0
13	MP GAMMA7	PZ	.003	.003	0	0
14	MP GAMMA6	PZ	.003	.003	0	0
15	MP GAMMA5	PZ	.003	.003	0	0
16	MP GAMMA4	PZ	.003	.003	0	0
17	MP GAMMA3	PZ	.003	.003	0	0
18	MP GAMMA2	PZ	.003	.003	0	0
19	MP GAMMA1	PZ	.003	.003	0	0
20	MP BETA7	PZ	.003	.003	0	0
21	MP BETA6	PZ	.003	.003	0	0
22	MP BETA5	PZ	.003	.003	0	0
23	MP BETA4	PZ	.003	.003	0	0
24	MP BETA3	PZ	.003	.003	0	0

Member Distributed Loads (BLC 29 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft.%]	End Location[ft.%]
25	MP BETA2	PZ	.003	.003	0	0
26	MP BETA1	PZ	.003	.003	0	0
27	MP ALPHA7	PZ	.003	.003	0	0
28	MP ALPHA6	PZ	.003	.003	0	0
29	MP ALPHA5	PZ	.003	.003	0	0
30	MP ALPHA4	PZ	.003	.003	0	0
31	MP ALPHA3	PZ	.003	.003	0	0
32	MP ALPHA2	PZ	.003	.003	0	0
33	MP ALPHA1	PZ	.003	.003	0	0
34	KICKER3	PZ	.002	.002	0	0
35	KICKER2	PZ	.002	.002	0	0
36	KICKER1	PZ	.002	.002	0	0
37	FACE3	PZ	.004	.004	0	0
38	FACE2	PZ	.004	.004	0	0
39	FACE1	PZ	.002	.002	0	0
40	CRPLATE6	PZ	.002	.002	0	0
41	CRPLATE5	PZ	.002	.002	0	0
42	CRPLATE4	PZ	.002	.002	0	0
43	CRPLATE3	PZ	.002	.002	0	0
44	CRPLATE2	PZ	.002	.002	0	0
45	CRPLATE1	PZ	.002	.002	0	0
46	CR3	PZ	.002	.002	0	0
47	CR2	PZ	.002	.002	0	0
48	CR1	PZ	.002	.002	0	0
49	SOPLATE3	PX	-.000475	-.000475	0	0
50	SOPLATE2	PX	-.000475	-.000475	0	0
51	SOPLATE1	PX	-.000475	-.000475	0	0
52	SO3	PX	-.000696	-.000696	0	0
53	SO2	PX	-.000696	-.000696	0	0
54	SO1	PX	-.000696	-.000696	0	0
55	RAILPLATE3	PX	-.000497	-.000497	0	0
56	RAILPLATE2	PX	-.000497	-.000497	0	0
57	RAILPLATE1	PX	-.000497	-.000497	0	0
58	RAIL3	PX	-.002	-.002	0	0
59	RAIL2	PX	-.002	-.002	0	0
60	RAIL1	PX	-.000938	-.000938	0	0
61	MP GAMMA7	PX	-.002	-.002	0	0
62	MP GAMMA6	PX	-.002	-.002	0	0
63	MP GAMMA5	PX	-.002	-.002	0	0
64	MP GAMMA4	PX	-.002	-.002	0	0
65	MP GAMMA3	PX	-.002	-.002	0	0
66	MP GAMMA2	PX	-.002	-.002	0	0
67	MP GAMMA1	PX	-.002	-.002	0	0
68	MP BETA7	PX	-.002	-.002	0	0
69	MP BETA6	PX	-.002	-.002	0	0
70	MP BETA5	PX	-.002	-.002	0	0
71	MP BETA4	PX	-.002	-.002	0	0
72	MP BETA3	PX	-.002	-.002	0	0
73	MP BETA2	PX	-.002	-.002	0	0
74	MP BETA1	PX	-.002	-.002	0	0
75	MP ALPHA7	PX	-.002	-.002	0	0
76	MP ALPHA6	PX	-.002	-.002	0	0
77	MP ALPHA5	PX	-.002	-.002	0	0
78	MP ALPHA4	PX	-.002	-.002	0	0
79	MP ALPHA3	PX	-.002	-.002	0	0
80	MP ALPHA2	PX	-.002	-.002	0	0
81	MP ALPHA1	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 29 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/f]	End Magnitude[k/f]	Start Location[ft,%]	End Location[ft,%]
82	KICKER3	PX	-.000938	-.000938	0	0
83	KICKER2	PX	-.000938	-.000938	0	0
84	KICKER1	PX	-.000938	-.000938	0	0
85	FACE3	PX	-.003	-.003	0	0
86	FACE2	PX	-.003	-.003	0	0
87	FACE1	PX	-.001	-.001	0	0
88	CRPLATE6	PX	-.000938	-.000938	0	0
89	CRPLATE5	PX	-.000938	-.000938	0	0
90	CRPLATE4	PX	-.000938	-.000938	0	0
91	CRPLATE3	PX	-.000938	-.000938	0	0
92	CRPLATE2	PX	-.000938	-.000938	0	0
93	CRPLATE1	PX	-.000938	-.000938	0	0
94	CR3	PX	-.001	-.001	0	0
95	CR2	PX	-.001	-.001	0	0
96	CR1	PX	-.001	-.001	0	0

Member Distributed Loads (BLC 30 : Ice Wind Load (60))

	Member Label	Direction	Start Magnitude[k/f]	End Magnitude[k/f]	Start Location[ft,%]	End Location[ft,%]
1	SOPLATE3	PZ	.000475	.000475	0	0
2	SOPLATE2	PZ	.000475	.000475	0	0
3	SOPLATE1	PZ	.000475	.000475	0	0
4	SO3	PZ	.000696	.000696	0	0
5	SO2	PZ	.000696	.000696	0	0
6	SO1	PZ	.000696	.000696	0	0
7	RAILPLATE3	PZ	.000497	.000497	0	0
8	RAILPLATE2	PZ	.000497	.000497	0	0
9	RAILPLATE1	PZ	.000497	.000497	0	0
10	RAIL3	PZ	.002	.002	0	0
11	RAIL2	PZ	.002	.002	0	0
12	RAIL1	PZ	.000938	.000938	0	0
13	MP GAMMA7	PZ	.002	.002	0	0
14	MP GAMMA6	PZ	.002	.002	0	0
15	MP GAMMA5	PZ	.002	.002	0	0
16	MP GAMMA4	PZ	.002	.002	0	0
17	MP GAMMA3	PZ	.002	.002	0	0
18	MP GAMMA2	PZ	.002	.002	0	0
19	MP GAMMA1	PZ	.002	.002	0	0
20	MP BETA7	PZ	.002	.002	0	0
21	MP BETA6	PZ	.002	.002	0	0
22	MP BETA5	PZ	.002	.002	0	0
23	MP BETA4	PZ	.002	.002	0	0
24	MP BETA3	PZ	.002	.002	0	0
25	MP BETA2	PZ	.002	.002	0	0
26	MP BETA1	PZ	.002	.002	0	0
27	MP ALPHA7	PZ	.002	.002	0	0
28	MP ALPHA6	PZ	.002	.002	0	0
29	MP ALPHA5	PZ	.002	.002	0	0
30	MP ALPHA4	PZ	.002	.002	0	0
31	MP ALPHA3	PZ	.002	.002	0	0
32	MP ALPHA2	PZ	.002	.002	0	0
33	MP ALPHA1	PZ	.002	.002	0	0
34	KICKER3	PZ	.000938	.000938	0	0
35	KICKER2	PZ	.000938	.000938	0	0
36	KICKER1	PZ	.000938	.000938	0	0
37	FACE3	PZ	.003	.003	0	0
38	FACE2	PZ	.003	.003	0	0

Member Distributed Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft.%]	End Location[ft.%]
39	FACE1	PZ	.001	.001	0	0
40	CRPLATE6	PZ	.000938	.000938	0	0
41	CRPLATE5	PZ	.000938	.000938	0	0
42	CRPLATE4	PZ	.000938	.000938	0	0
43	CRPLATE3	PZ	.000938	.000938	0	0
44	CRPLATE2	PZ	.000938	.000938	0	0
45	CRPLATE1	PZ	.000938	.000938	0	0
46	CR3	PZ	.001	.001	0	0
47	CR2	PZ	.001	.001	0	0
48	CR1	PZ	.001	.001	0	0
49	SOPLATE3	PX	-.000822	-.000822	0	0
50	SOPLATE2	PX	-.000822	-.000822	0	0
51	SOPLATE1	PX	-.000822	-.000822	0	0
52	SO3	PX	-.001	-.001	0	0
53	SO2	PX	-.001	-.001	0	0
54	SO1	PX	-.001	-.001	0	0
55	RAILPLATE3	PX	-.00086	-.00086	0	0
56	RAILPLATE2	PX	-.00086	-.00086	0	0
57	RAILPLATE1	PX	-.00086	-.00086	0	0
58	RAIL3	PX	-.003	-.003	0	0
59	RAIL2	PX	-.003	-.003	0	0
60	RAIL1	PX	-.002	-.002	0	0
61	MP GAMMA7	PX	-.003	-.003	0	0
62	MP GAMMA6	PX	-.003	-.003	0	0
63	MP GAMMA5	PX	-.003	-.003	0	0
64	MP GAMMA4	PX	-.003	-.003	0	0
65	MP GAMMA3	PX	-.003	-.003	0	0
66	MP GAMMA2	PX	-.003	-.003	0	0
67	MP GAMMA1	PX	-.003	-.003	0	0
68	MP BETA7	PX	-.003	-.003	0	0
69	MP BETA6	PX	-.003	-.003	0	0
70	MP BETA5	PX	-.003	-.003	0	0
71	MP BETA4	PX	-.003	-.003	0	0
72	MP BETA3	PX	-.003	-.003	0	0
73	MP BETA2	PX	-.003	-.003	0	0
74	MP BETA1	PX	-.003	-.003	0	0
75	MP ALPHA7	PX	-.003	-.003	0	0
76	MP ALPHA6	PX	-.003	-.003	0	0
77	MP ALPHA5	PX	-.003	-.003	0	0
78	MP ALPHA4	PX	-.003	-.003	0	0
79	MP ALPHA3	PX	-.003	-.003	0	0
80	MP ALPHA2	PX	-.003	-.003	0	0
81	MP ALPHA1	PX	-.003	-.003	0	0
82	KICKER3	PX	-.002	-.002	0	0
83	KICKER2	PX	-.002	-.002	0	0
84	KICKER1	PX	-.002	-.002	0	0
85	FACE3	PX	-.004	-.004	0	0
86	FACE2	PX	-.004	-.004	0	0
87	FACE1	PX	-.002	-.002	0	0
88	CRPLATE6	PX	-.002	-.002	0	0
89	CRPLATE5	PX	-.002	-.002	0	0
90	CRPLATE4	PX	-.002	-.002	0	0
91	CRPLATE3	PX	-.002	-.002	0	0
92	CRPLATE2	PX	-.002	-.002	0	0
93	CRPLATE1	PX	-.002	-.002	0	0
94	CR3	PX	-.002	-.002	0	0
95	CR2	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
96	CR1	PX	-0.002	-0.002	0	0

Member Distributed Loads (BLC 31 : Ice Wind Load (90))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SOPLATE3	PX	-0.000949	-0.000949	0	0
2	SOPLATE2	PX	-0.000949	-0.000949	0	0
3	SOPLATE1	PX	-0.000949	-0.000949	0	0
4	SO3	PX	-0.001	-0.001	0	0
5	SO2	PX	-0.001	-0.001	0	0
6	SO1	PX	-0.001	-0.001	0	0
7	RAILPLATE3	PX	-0.000993	-0.000993	0	0
8	RAILPLATE2	PX	-0.000993	-0.000993	0	0
9	RAILPLATE1	PX	-0.000993	-0.000993	0	0
10	RAIL3	PX	-0.004	-0.004	0	0
11	RAIL1	PX	-0.004	-0.004	0	0
12	RAIL2	PX	-0.002	-0.002	0	0
13	MP GAMMA7	PX	-0.003	-0.003	0	0
14	MP GAMMA6	PX	-0.003	-0.003	0	0
15	MP GAMMA5	PX	-0.003	-0.003	0	0
16	MP GAMMA4	PX	-0.003	-0.003	0	0
17	MP GAMMA3	PX	-0.003	-0.003	0	0
18	MP GAMMA2	PX	-0.003	-0.003	0	0
19	MP GAMMA1	PX	-0.003	-0.003	0	0
20	MP BETA7	PX	-0.003	-0.003	0	0
21	MP BETA6	PX	-0.003	-0.003	0	0
22	MP BETA5	PX	-0.003	-0.003	0	0
23	MP BETA4	PX	-0.003	-0.003	0	0
24	MP BETA3	PX	-0.003	-0.003	0	0
25	MP BETA2	PX	-0.003	-0.003	0	0
26	MP BETA1	PX	-0.003	-0.003	0	0
27	MP ALPHA7	PX	-0.003	-0.003	0	0
28	MP ALPHA6	PX	-0.003	-0.003	0	0
29	MP ALPHA5	PX	-0.003	-0.003	0	0
30	MP ALPHA4	PX	-0.003	-0.003	0	0
31	MP ALPHA3	PX	-0.003	-0.003	0	0
32	MP ALPHA2	PX	-0.003	-0.003	0	0
33	MP ALPHA1	PX	-0.003	-0.003	0	0
34	KICKER3	PX	-0.002	-0.002	0	0
35	KICKER2	PX	-0.002	-0.002	0	0
36	KICKER1	PX	-0.002	-0.002	0	0
37	FACE3	PX	-0.005	-0.005	0	0
38	FACE1	PX	-0.005	-0.005	0	0
39	FACE2	PX	-0.003	-0.003	0	0
40	CRPLATE6	PX	-0.002	-0.002	0	0
41	CRPLATE5	PX	-0.002	-0.002	0	0
42	CRPLATE4	PX	-0.002	-0.002	0	0
43	CRPLATE3	PX	-0.002	-0.002	0	0
44	CRPLATE2	PX	-0.002	-0.002	0	0
45	CRPLATE1	PX	-0.002	-0.002	0	0
46	CR3	PX	-0.002	-0.002	0	0
47	CR2	PX	-0.002	-0.002	0	0
48	CR1	PX	-0.002	-0.002	0	0

Member Distributed Loads (BLC 32 : Ice Wind Load (120))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SOPLATE3	PZ	-0.000475	-0.000475	0	0

Member Distributed Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
2	SOPLATE2	PZ	-0.000475	-0.000475	0	0
3	SOPLATE1	PZ	-0.000475	-0.000475	0	0
4	SO3	PZ	-0.000696	-0.000696	0	0
5	SO2	PZ	-0.000696	-0.000696	0	0
6	SO1	PZ	-0.000696	-0.000696	0	0
7	RAILPLATE3	PZ	-0.000497	-0.000497	0	0
8	RAILPLATE2	PZ	-0.000497	-0.000497	0	0
9	RAILPLATE1	PZ	-0.000497	-0.000497	0	0
10	RAIL3	PZ	-0.002	-0.002	0	0
11	RAIL1	PZ	-0.002	-0.002	0	0
12	RAIL2	PZ	-0.000938	-0.000938	0	0
13	MP GAMMA7	PZ	-0.002	-0.002	0	0
14	MP GAMMA6	PZ	-0.002	-0.002	0	0
15	MP GAMMA5	PZ	-0.002	-0.002	0	0
16	MP GAMMA4	PZ	-0.002	-0.002	0	0
17	MP GAMMA3	PZ	-0.002	-0.002	0	0
18	MP GAMMA2	PZ	-0.002	-0.002	0	0
19	MP GAMMA1	PZ	-0.002	-0.002	0	0
20	MP BETA7	PZ	-0.002	-0.002	0	0
21	MP BETA6	PZ	-0.002	-0.002	0	0
22	MP BETA5	PZ	-0.002	-0.002	0	0
23	MP BETA4	PZ	-0.002	-0.002	0	0
24	MP BETA3	PZ	-0.002	-0.002	0	0
25	MP BETA2	PZ	-0.002	-0.002	0	0
26	MP BETA1	PZ	-0.002	-0.002	0	0
27	MP ALPHA7	PZ	-0.002	-0.002	0	0
28	MP ALPHA6	PZ	-0.002	-0.002	0	0
29	MP ALPHA5	PZ	-0.002	-0.002	0	0
30	MP ALPHA4	PZ	-0.002	-0.002	0	0
31	MP ALPHA3	PZ	-0.002	-0.002	0	0
32	MP ALPHA2	PZ	-0.002	-0.002	0	0
33	MP ALPHA1	PZ	-0.002	-0.002	0	0
34	KICKER3	PZ	-0.000938	-0.000938	0	0
35	KICKER2	PZ	-0.000938	-0.000938	0	0
36	KICKER1	PZ	-0.000938	-0.000938	0	0
37	FACE3	PZ	-0.003	-0.003	0	0
38	FACE1	PZ	-0.003	-0.003	0	0
39	FACE2	PZ	-0.001	-0.001	0	0
40	CRPLATE6	PZ	-0.000938	-0.000938	0	0
41	CRPLATE5	PZ	-0.000938	-0.000938	0	0
42	CRPLATE4	PZ	-0.000938	-0.000938	0	0
43	CRPLATE3	PZ	-0.000938	-0.000938	0	0
44	CRPLATE2	PZ	-0.000938	-0.000938	0	0
45	CRPLATE1	PZ	-0.000938	-0.000938	0	0
46	CR3	PZ	-0.001	-0.001	0	0
47	CR2	PZ	-0.001	-0.001	0	0
48	CR1	PZ	-0.001	-0.001	0	0
49	SOPLATE3	PX	-0.000822	-0.000822	0	0
50	SOPLATE2	PX	-0.000822	-0.000822	0	0
51	SOPLATE1	PX	-0.000822	-0.000822	0	0
52	SO3	PX	-0.001	-0.001	0	0
53	SO2	PX	-0.001	-0.001	0	0
54	SO1	PX	-0.001	-0.001	0	0
55	RAILPLATE3	PX	-0.00086	-0.00086	0	0
56	RAILPLATE2	PX	-0.00086	-0.00086	0	0
57	RAILPLATE1	PX	-0.00086	-0.00086	0	0
58	RAIL3	PX	-0.003	-0.003	0	0

Member Distributed Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
59	RAIL1	PX	-0.003	-0.003	0	0
60	RAIL2	PX	-0.002	-0.002	0	0
61	MP GAMMA7	PX	-0.003	-0.003	0	0
62	MP GAMMA6	PX	-0.003	-0.003	0	0
63	MP GAMMA5	PX	-0.003	-0.003	0	0
64	MP GAMMA4	PX	-0.003	-0.003	0	0
65	MP GAMMA3	PX	-0.003	-0.003	0	0
66	MP GAMMA2	PX	-0.003	-0.003	0	0
67	MP GAMMA1	PX	-0.003	-0.003	0	0
68	MP BETA7	PX	-0.003	-0.003	0	0
69	MP BETA6	PX	-0.003	-0.003	0	0
70	MP BETA5	PX	-0.003	-0.003	0	0
71	MP BETA4	PX	-0.003	-0.003	0	0
72	MP BETA3	PX	-0.003	-0.003	0	0
73	MP BETA2	PX	-0.003	-0.003	0	0
74	MP BETA1	PX	-0.003	-0.003	0	0
75	MP ALPHA7	PX	-0.003	-0.003	0	0
76	MP ALPHA6	PX	-0.003	-0.003	0	0
77	MP ALPHA5	PX	-0.003	-0.003	0	0
78	MP ALPHA4	PX	-0.003	-0.003	0	0
79	MP ALPHA3	PX	-0.003	-0.003	0	0
80	MP ALPHA2	PX	-0.003	-0.003	0	0
81	MP ALPHA1	PX	-0.003	-0.003	0	0
82	KICKER3	PX	-0.002	-0.002	0	0
83	KICKER2	PX	-0.002	-0.002	0	0
84	KICKER1	PX	-0.002	-0.002	0	0
85	FACE3	PX	-0.004	-0.004	0	0
86	FACE1	PX	-0.004	-0.004	0	0
87	FACE2	PX	-0.002	-0.002	0	0
88	CRPLATE6	PX	-0.002	-0.002	0	0
89	CRPLATE5	PX	-0.002	-0.002	0	0
90	CRPLATE4	PX	-0.002	-0.002	0	0
91	CRPLATE3	PX	-0.002	-0.002	0	0
92	CRPLATE2	PX	-0.002	-0.002	0	0
93	CRPLATE1	PX	-0.002	-0.002	0	0
94	CR3	PX	-0.002	-0.002	0	0
95	CR2	PX	-0.002	-0.002	0	0
96	CR1	PX	-0.002	-0.002	0	0

Member Distributed Loads (BLC 33 : Ice Wind Load (150))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SOPLATE3	PZ	-0.000822	-0.000822	0	0
2	SOPLATE2	PZ	-0.000822	-0.000822	0	0
3	SOPLATE1	PZ	-0.000822	-0.000822	0	0
4	SO3	PZ	-0.001	-0.001	0	0
5	SO2	PZ	-0.001	-0.001	0	0
6	SO1	PZ	-0.001	-0.001	0	0
7	RAILPLATE3	PZ	-0.00086	-0.00086	0	0
8	RAILPLATE2	PZ	-0.00086	-0.00086	0	0
9	RAILPLATE1	PZ	-0.00086	-0.00086	0	0
10	RAIL3	PZ	-0.003	-0.003	0	0
11	RAIL1	PZ	-0.003	-0.003	0	0
12	RAIL2	PZ	-0.002	-0.002	0	0
13	MP GAMMA7	PZ	-0.003	-0.003	0	0
14	MP GAMMA6	PZ	-0.003	-0.003	0	0
15	MP GAMMA5	PZ	-0.003	-0.003	0	0

Member Distributed Loads (BLC 33 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
16	MP GAMMA4	PZ	-0.003	-0.003	0	0
17	MP GAMMA3	PZ	-0.003	-0.003	0	0
18	MP GAMMA2	PZ	-0.003	-0.003	0	0
19	MP GAMMA1	PZ	-0.003	-0.003	0	0
20	MP BETA7	PZ	-0.003	-0.003	0	0
21	MP BETA6	PZ	-0.003	-0.003	0	0
22	MP BETA5	PZ	-0.003	-0.003	0	0
23	MP BETA4	PZ	-0.003	-0.003	0	0
24	MP BETA3	PZ	-0.003	-0.003	0	0
25	MP BETA2	PZ	-0.003	-0.003	0	0
26	MP BETA1	PZ	-0.003	-0.003	0	0
27	MP ALPHA7	PZ	-0.003	-0.003	0	0
28	MP ALPHA6	PZ	-0.003	-0.003	0	0
29	MP ALPHA5	PZ	-0.003	-0.003	0	0
30	MP ALPHA4	PZ	-0.003	-0.003	0	0
31	MP ALPHA3	PZ	-0.003	-0.003	0	0
32	MP ALPHA2	PZ	-0.003	-0.003	0	0
33	MP ALPHA1	PZ	-0.003	-0.003	0	0
34	KICKER3	PZ	-0.002	-0.002	0	0
35	KICKER2	PZ	-0.002	-0.002	0	0
36	KICKER1	PZ	-0.002	-0.002	0	0
37	FACE3	PZ	-0.004	-0.004	0	0
38	FACE1	PZ	-0.004	-0.004	0	0
39	FACE2	PZ	-0.002	-0.002	0	0
40	CRPLATE6	PZ	-0.002	-0.002	0	0
41	CRPLATE5	PZ	-0.002	-0.002	0	0
42	CRPLATE4	PZ	-0.002	-0.002	0	0
43	CRPLATE3	PZ	-0.002	-0.002	0	0
44	CRPLATE2	PZ	-0.002	-0.002	0	0
45	CRPLATE1	PZ	-0.002	-0.002	0	0
46	CR3	PZ	-0.002	-0.002	0	0
47	CR2	PZ	-0.002	-0.002	0	0
48	CR1	PZ	-0.002	-0.002	0	0
49	SOPLATE3	PX	-0.000475	-0.000475	0	0
50	SOPLATE2	PX	-0.000475	-0.000475	0	0
51	SOPLATE1	PX	-0.000475	-0.000475	0	0
52	SO3	PX	-0.000696	-0.000696	0	0
53	SO2	PX	-0.000696	-0.000696	0	0
54	SO1	PX	-0.000696	-0.000696	0	0
55	RAILPLATE3	PX	-0.000497	-0.000497	0	0
56	RAILPLATE2	PX	-0.000497	-0.000497	0	0
57	RAILPLATE1	PX	-0.000497	-0.000497	0	0
58	RAIL3	PX	-0.002	-0.002	0	0
59	RAIL1	PX	-0.002	-0.002	0	0
60	RAIL2	PX	-0.000938	-0.000938	0	0
61	MP GAMMA7	PX	-0.002	-0.002	0	0
62	MP GAMMA6	PX	-0.002	-0.002	0	0
63	MP GAMMA5	PX	-0.002	-0.002	0	0
64	MP GAMMA4	PX	-0.002	-0.002	0	0
65	MP GAMMA3	PX	-0.002	-0.002	0	0
66	MP GAMMA2	PX	-0.002	-0.002	0	0
67	MP GAMMA1	PX	-0.002	-0.002	0	0
68	MP BETA7	PX	-0.002	-0.002	0	0
69	MP BETA6	PX	-0.002	-0.002	0	0
70	MP BETA5	PX	-0.002	-0.002	0	0
71	MP BETA4	PX	-0.002	-0.002	0	0
72	MP BETA3	PX	-0.002	-0.002	0	0

Member Distributed Loads (BLC 33 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft, %]	End Location[ft, %]
73	MP BETA2	PX	-0.002	-0.002	0	0
74	MP BETA1	PX	-0.002	-0.002	0	0
75	MP ALPHA7	PX	-0.002	-0.002	0	0
76	MP ALPHA6	PX	-0.002	-0.002	0	0
77	MP ALPHA5	PX	-0.002	-0.002	0	0
78	MP ALPHA4	PX	-0.002	-0.002	0	0
79	MP ALPHA3	PX	-0.002	-0.002	0	0
80	MP ALPHA2	PX	-0.002	-0.002	0	0
81	MP ALPHA1	PX	-0.002	-0.002	0	0
82	KICKER3	PX	-0.000938	-0.000938	0	0
83	KICKER2	PX	-0.000938	-0.000938	0	0
84	KICKER1	PX	-0.000938	-0.000938	0	0
85	FACE3	PX	-0.003	-0.003	0	0
86	FACE1	PX	-0.003	-0.003	0	0
87	FACE2	PX	-0.001	-0.001	0	0
88	CRPLATE6	PX	-0.000938	-0.000938	0	0
89	CRPLATE5	PX	-0.000938	-0.000938	0	0
90	CRPLATE4	PX	-0.000938	-0.000938	0	0
91	CRPLATE3	PX	-0.000938	-0.000938	0	0
92	CRPLATE2	PX	-0.000938	-0.000938	0	0
93	CRPLATE1	PX	-0.000938	-0.000938	0	0
94	CR3	PX	-0.001	-0.001	0	0
95	CR2	PX	-0.001	-0.001	0	0
96	CR1	PX	-0.001	-0.001	0	0

Member Distributed Loads (BLC 34 : Ice Wind Load (180))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft, %]	End Location[ft, %]
1	SOPLATE3	PZ	-0.000949	-0.000949	0	0
2	SOPLATE2	PZ	-0.000949	-0.000949	0	0
3	SOPLATE1	PZ	-0.000949	-0.000949	0	0
4	SO3	PZ	-0.001	-0.001	0	0
5	SO2	PZ	-0.001	-0.001	0	0
6	SO1	PZ	-0.001	-0.001	0	0
7	RAILPLATE3	PZ	-0.000993	-0.000993	0	0
8	RAILPLATE2	PZ	-0.000993	-0.000993	0	0
9	RAILPLATE1	PZ	-0.000993	-0.000993	0	0
10	RAIL3	PZ	-0.004	-0.004	0	0
11	RAIL1	PZ	-0.004	-0.004	0	0
12	RAIL2	PZ	-0.002	-0.002	0	0
13	MP GAMMA7	PZ	-0.003	-0.003	0	0
14	MP GAMMA6	PZ	-0.003	-0.003	0	0
15	MP GAMMA5	PZ	-0.003	-0.003	0	0
16	MP GAMMA4	PZ	-0.003	-0.003	0	0
17	MP GAMMA3	PZ	-0.003	-0.003	0	0
18	MP GAMMA2	PZ	-0.003	-0.003	0	0
19	MP GAMMA1	PZ	-0.003	-0.003	0	0
20	MP BETA7	PZ	-0.003	-0.003	0	0
21	MP BETA6	PZ	-0.003	-0.003	0	0
22	MP BETA5	PZ	-0.003	-0.003	0	0
23	MP BETA4	PZ	-0.003	-0.003	0	0
24	MP BETA3	PZ	-0.003	-0.003	0	0
25	MP BETA2	PZ	-0.003	-0.003	0	0
26	MP BETA1	PZ	-0.003	-0.003	0	0
27	MP ALPHA7	PZ	-0.003	-0.003	0	0
28	MP ALPHA6	PZ	-0.003	-0.003	0	0
29	MP ALPHA5	PZ	-0.003	-0.003	0	0

Member Distributed Loads (BLC 34 : Ice Wind Load (180)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
30	MP ALPHA4	PZ	-0.003	-0.003	0	0
31	MP ALPHA3	PZ	-0.003	-0.003	0	0
32	MP ALPHA2	PZ	-0.003	-0.003	0	0
33	MP ALPHA1	PZ	-0.003	-0.003	0	0
34	KICKER3	PZ	-0.002	-0.002	0	0
35	KICKER2	PZ	-0.002	-0.002	0	0
36	KICKER1	PZ	-0.002	-0.002	0	0
37	FACE3	PZ	-0.005	-0.005	0	0
38	FACE1	PZ	-0.005	-0.005	0	0
39	FACE2	PZ	-0.003	-0.003	0	0
40	CRPLATE6	PZ	-0.002	-0.002	0	0
41	CRPLATE5	PZ	-0.002	-0.002	0	0
42	CRPLATE4	PZ	-0.002	-0.002	0	0
43	CRPLATE3	PZ	-0.002	-0.002	0	0
44	CRPLATE2	PZ	-0.002	-0.002	0	0
45	CRPLATE1	PZ	-0.002	-0.002	0	0
46	CR3	PZ	-0.002	-0.002	0	0
47	CR2	PZ	-0.002	-0.002	0	0
48	CR1	PZ	-0.002	-0.002	0	0

Member Distributed Loads (BLC 35 : Ice Wind Load (210))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SOPLATE3	PZ	-0.000822	-0.000822	0	0
2	SOPLATE2	PZ	-0.000822	-0.000822	0	0
3	SOPLATE1	PZ	-0.000822	-0.000822	0	0
4	SO3	PZ	-0.001	-0.001	0	0
5	SO2	PZ	-0.001	-0.001	0	0
6	SO1	PZ	-0.001	-0.001	0	0
7	RAILPLATE3	PZ	-0.00086	-0.00086	0	0
8	RAILPLATE2	PZ	-0.00086	-0.00086	0	0
9	RAILPLATE1	PZ	-0.00086	-0.00086	0	0
10	RAIL1	PZ	-0.003	-0.003	0	0
11	RAIL2	PZ	-0.003	-0.003	0	0
12	RAIL3	PZ	-0.002	-0.002	0	0
13	MP GAMMA7	PZ	-0.003	-0.003	0	0
14	MP GAMMA6	PZ	-0.003	-0.003	0	0
15	MP GAMMA5	PZ	-0.003	-0.003	0	0
16	MP GAMMA4	PZ	-0.003	-0.003	0	0
17	MP GAMMA3	PZ	-0.003	-0.003	0	0
18	MP GAMMA2	PZ	-0.003	-0.003	0	0
19	MP GAMMA1	PZ	-0.003	-0.003	0	0
20	MP BETA7	PZ	-0.003	-0.003	0	0
21	MP BETA6	PZ	-0.003	-0.003	0	0
22	MP BETA5	PZ	-0.003	-0.003	0	0
23	MP BETA4	PZ	-0.003	-0.003	0	0
24	MP BETA3	PZ	-0.003	-0.003	0	0
25	MP BETA2	PZ	-0.003	-0.003	0	0
26	MP BETA1	PZ	-0.003	-0.003	0	0
27	MP ALPHA7	PZ	-0.003	-0.003	0	0
28	MP ALPHA6	PZ	-0.003	-0.003	0	0
29	MP ALPHA5	PZ	-0.003	-0.003	0	0
30	MP ALPHA4	PZ	-0.003	-0.003	0	0
31	MP ALPHA3	PZ	-0.003	-0.003	0	0
32	MP ALPHA2	PZ	-0.003	-0.003	0	0
33	MP ALPHA1	PZ	-0.003	-0.003	0	0
34	KICKER3	PZ	-0.002	-0.002	0	0

Member Distributed Loads (BLC 35 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft,%]	End Location[ft,%]
35	KICKER2	PZ	-.002	-.002	0	0
36	KICKER1	PZ	-.002	-.002	0	0
37	FACE1	PZ	-.004	-.004	0	0
38	FACE2	PZ	-.004	-.004	0	0
39	FACE3	PZ	-.002	-.002	0	0
40	CRPLATE6	PZ	-.002	-.002	0	0
41	CRPLATE5	PZ	-.002	-.002	0	0
42	CRPLATE4	PZ	-.002	-.002	0	0
43	CRPLATE3	PZ	-.002	-.002	0	0
44	CRPLATE2	PZ	-.002	-.002	0	0
45	CRPLATE1	PZ	-.002	-.002	0	0
46	CR3	PZ	-.002	-.002	0	0
47	CR2	PZ	-.002	-.002	0	0
48	CR1	PZ	-.002	-.002	0	0
49	SOPLATE3	PX	.000475	.000475	0	0
50	SOPLATE2	PX	.000475	.000475	0	0
51	SOPLATE1	PX	.000475	.000475	0	0
52	SO3	PX	.000696	.000696	0	0
53	SO2	PX	.000696	.000696	0	0
54	SO1	PX	.000696	.000696	0	0
55	RAILPLATE3	PX	.000497	.000497	0	0
56	RAILPLATE2	PX	.000497	.000497	0	0
57	RAILPLATE1	PX	.000497	.000497	0	0
58	RAIL1	PX	.002	.002	0	0
59	RAIL2	PX	.002	.002	0	0
60	RAIL3	PX	.000938	.000938	0	0
61	MP GAMMA7	PX	.002	.002	0	0
62	MP GAMMA6	PX	.002	.002	0	0
63	MP GAMMA5	PX	.002	.002	0	0
64	MP GAMMA4	PX	.002	.002	0	0
65	MP GAMMA3	PX	.002	.002	0	0
66	MP GAMMA2	PX	.002	.002	0	0
67	MP GAMMA1	PX	.002	.002	0	0
68	MP BETA7	PX	.002	.002	0	0
69	MP BETA6	PX	.002	.002	0	0
70	MP BETA5	PX	.002	.002	0	0
71	MP BETA4	PX	.002	.002	0	0
72	MP BETA3	PX	.002	.002	0	0
73	MP BETA2	PX	.002	.002	0	0
74	MP BETA1	PX	.002	.002	0	0
75	MP ALPHA7	PX	.002	.002	0	0
76	MP ALPHA6	PX	.002	.002	0	0
77	MP ALPHA5	PX	.002	.002	0	0
78	MP ALPHA4	PX	.002	.002	0	0
79	MP ALPHA3	PX	.002	.002	0	0
80	MP ALPHA2	PX	.002	.002	0	0
81	MP ALPHA1	PX	.002	.002	0	0
82	KICKER3	PX	.000938	.000938	0	0
83	KICKER2	PX	.000938	.000938	0	0
84	KICKER1	PX	.000938	.000938	0	0
85	FACE1	PX	.003	.003	0	0
86	FACE2	PX	.003	.003	0	0
87	FACE3	PX	.001	.001	0	0
88	CRPLATE6	PX	.000938	.000938	0	0
89	CRPLATE5	PX	.000938	.000938	0	0
90	CRPLATE4	PX	.000938	.000938	0	0
91	CRPLATE3	PX	.000938	.000938	0	0

Member Distributed Loads (BLC 35 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
92	CRPLATE2	PX	.000938	.000938	0	0
93	CRPLATE1	PX	.000938	.000938	0	0
94	CR3	PX	.001	.001	0	0
95	CR2	PX	.001	.001	0	0
96	CR1	PX	.001	.001	0	0

Member Distributed Loads (BLC 36 : Ice Wind Load (240))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SOPLATE3	PZ	-.000475	-.000475	0	0
2	SOPLATE2	PZ	-.000475	-.000475	0	0
3	SOPLATE1	PZ	-.000475	-.000475	0	0
4	SO3	PZ	-.000696	-.000696	0	0
5	SO2	PZ	-.000696	-.000696	0	0
6	SO1	PZ	-.000696	-.000696	0	0
7	RAILPLATE3	PZ	-.000497	-.000497	0	0
8	RAILPLATE2	PZ	-.000497	-.000497	0	0
9	RAILPLATE1	PZ	-.000497	-.000497	0	0
10	RAIL1	PZ	-.002	-.002	0	0
11	RAIL2	PZ	-.002	-.002	0	0
12	RAIL3	PZ	-.000938	-.000938	0	0
13	MP GAMMA7	PZ	-.002	-.002	0	0
14	MP GAMMA6	PZ	-.002	-.002	0	0
15	MP GAMMA5	PZ	-.002	-.002	0	0
16	MP GAMMA4	PZ	-.002	-.002	0	0
17	MP GAMMA3	PZ	-.002	-.002	0	0
18	MP GAMMA2	PZ	-.002	-.002	0	0
19	MP GAMMA1	PZ	-.002	-.002	0	0
20	MP BETA7	PZ	-.002	-.002	0	0
21	MP BETA6	PZ	-.002	-.002	0	0
22	MP BETA5	PZ	-.002	-.002	0	0
23	MP BETA4	PZ	-.002	-.002	0	0
24	MP BETA3	PZ	-.002	-.002	0	0
25	MP BETA2	PZ	-.002	-.002	0	0
26	MP BETA1	PZ	-.002	-.002	0	0
27	MP ALPHA7	PZ	-.002	-.002	0	0
28	MP ALPHA6	PZ	-.002	-.002	0	0
29	MP ALPHA5	PZ	-.002	-.002	0	0
30	MP ALPHA4	PZ	-.002	-.002	0	0
31	MP ALPHA3	PZ	-.002	-.002	0	0
32	MP ALPHA2	PZ	-.002	-.002	0	0
33	MP ALPHA1	PZ	-.002	-.002	0	0
34	KICKER3	PZ	-.000938	-.000938	0	0
35	KICKER2	PZ	-.000938	-.000938	0	0
36	KICKER1	PZ	-.000938	-.000938	0	0
37	FACE1	PZ	-.003	-.003	0	0
38	FACE2	PZ	-.003	-.003	0	0
39	FACE3	PZ	-.001	-.001	0	0
40	CRPLATE6	PZ	-.000938	-.000938	0	0
41	CRPLATE5	PZ	-.000938	-.000938	0	0
42	CRPLATE4	PZ	-.000938	-.000938	0	0
43	CRPLATE3	PZ	-.000938	-.000938	0	0
44	CRPLATE2	PZ	-.000938	-.000938	0	0
45	CRPLATE1	PZ	-.000938	-.000938	0	0
46	CR3	PZ	-.001	-.001	0	0
47	CR2	PZ	-.001	-.001	0	0
48	CR1	PZ	-.001	-.001	0	0

Member Distributed Loads (BLC 36 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
49	SOPLATE3	PX	.000822	.000822	0	0
50	SOPLATE2	PX	.000822	.000822	0	0
51	SOPLATE1	PX	.000822	.000822	0	0
52	SO3	PX	.001	.001	0	0
53	SO2	PX	.001	.001	0	0
54	SO1	PX	.001	.001	0	0
55	RAILPLATE3	PX	.00086	.00086	0	0
56	RAILPLATE2	PX	.00086	.00086	0	0
57	RAILPLATE1	PX	.00086	.00086	0	0
58	RAIL1	PX	.003	.003	0	0
59	RAIL2	PX	.003	.003	0	0
60	RAIL3	PX	.002	.002	0	0
61	MP GAMMA7	PX	.003	.003	0	0
62	MP GAMMA6	PX	.003	.003	0	0
63	MP GAMMA5	PX	.003	.003	0	0
64	MP GAMMA4	PX	.003	.003	0	0
65	MP GAMMA3	PX	.003	.003	0	0
66	MP GAMMA2	PX	.003	.003	0	0
67	MP GAMMA1	PX	.003	.003	0	0
68	MP BETA7	PX	.003	.003	0	0
69	MP BETA6	PX	.003	.003	0	0
70	MP BETA5	PX	.003	.003	0	0
71	MP BETA4	PX	.003	.003	0	0
72	MP BETA3	PX	.003	.003	0	0
73	MP BETA2	PX	.003	.003	0	0
74	MP BETA1	PX	.003	.003	0	0
75	MP ALPHA7	PX	.003	.003	0	0
76	MP ALPHA6	PX	.003	.003	0	0
77	MP ALPHA5	PX	.003	.003	0	0
78	MP ALPHA4	PX	.003	.003	0	0
79	MP ALPHA3	PX	.003	.003	0	0
80	MP ALPHA2	PX	.003	.003	0	0
81	MP ALPHA1	PX	.003	.003	0	0
82	KICKER3	PX	.002	.002	0	0
83	KICKER2	PX	.002	.002	0	0
84	KICKER1	PX	.002	.002	0	0
85	FACE1	PX	.004	.004	0	0
86	FACE2	PX	.004	.004	0	0
87	FACE3	PX	.002	.002	0	0
88	CRPLATE6	PX	.002	.002	0	0
89	CRPLATE5	PX	.002	.002	0	0
90	CRPLATE4	PX	.002	.002	0	0
91	CRPLATE3	PX	.002	.002	0	0
92	CRPLATE2	PX	.002	.002	0	0
93	CRPLATE1	PX	.002	.002	0	0
94	CR3	PX	.002	.002	0	0
95	CR2	PX	.002	.002	0	0
96	CR1	PX	.002	.002	0	0

Member Distributed Loads (BLC 37 : Ice Wind Load (270))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SOPLATE3	PX	.000949	.000949	0	0
2	SOPLATE2	PX	.000949	.000949	0	0
3	SOPLATE1	PX	.000949	.000949	0	0
4	SO3	PX	.001	.001	0	0
5	SO2	PX	.001	.001	0	0

Member Distributed Loads (BLC 37 : Ice Wind Load (270)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
6	SO1	PX	.001	.001	0	0
7	RAILPLATE3	PX	.000993	.000993	0	0
8	RAILPLATE2	PX	.000993	.000993	0	0
9	RAILPLATE1	PX	.000993	.000993	0	0
10	RAIL1	PX	.004	.004	0	0
11	RAIL2	PX	.004	.004	0	0
12	RAIL3	PX	.002	.002	0	0
13	MP GAMMA7	PX	.003	.003	0	0
14	MP GAMMA6	PX	.003	.003	0	0
15	MP GAMMA5	PX	.003	.003	0	0
16	MP GAMMA4	PX	.003	.003	0	0
17	MP GAMMA3	PX	.003	.003	0	0
18	MP GAMMA2	PX	.003	.003	0	0
19	MP GAMMA1	PX	.003	.003	0	0
20	MP BETA7	PX	.003	.003	0	0
21	MP BETA6	PX	.003	.003	0	0
22	MP BETA5	PX	.003	.003	0	0
23	MP BETA4	PX	.003	.003	0	0
24	MP BETA3	PX	.003	.003	0	0
25	MP BETA2	PX	.003	.003	0	0
26	MP BETA1	PX	.003	.003	0	0
27	MP ALPHA7	PX	.003	.003	0	0
28	MP ALPHA6	PX	.003	.003	0	0
29	MP ALPHA5	PX	.003	.003	0	0
30	MP ALPHA4	PX	.003	.003	0	0
31	MP ALPHA3	PX	.003	.003	0	0
32	MP ALPHA2	PX	.003	.003	0	0
33	MP ALPHA1	PX	.003	.003	0	0
34	KICKER3	PX	.002	.002	0	0
35	KICKER2	PX	.002	.002	0	0
36	KICKER1	PX	.002	.002	0	0
37	FACE1	PX	.005	.005	0	0
38	FACE2	PX	.005	.005	0	0
39	FACE3	PX	.003	.003	0	0
40	CRPLATE6	PX	.002	.002	0	0
41	CRPLATE5	PX	.002	.002	0	0
42	CRPLATE4	PX	.002	.002	0	0
43	CRPLATE3	PX	.002	.002	0	0
44	CRPLATE2	PX	.002	.002	0	0
45	CRPLATE1	PX	.002	.002	0	0
46	CR3	PX	.002	.002	0	0
47	CR2	PX	.002	.002	0	0
48	CR1	PX	.002	.002	0	0

Member Distributed Loads (BLC 38 : Ice Wind Load (300))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	SOPLATE3	PZ	.000475	.000475	0	0
2	SOPLATE2	PZ	.000475	.000475	0	0
3	SOPLATE1	PZ	.000475	.000475	0	0
4	SO3	PZ	.000696	.000696	0	0
5	SO2	PZ	.000696	.000696	0	0
6	SO1	PZ	.000696	.000696	0	0
7	RAILPLATE3	PZ	.000497	.000497	0	0
8	RAILPLATE2	PZ	.000497	.000497	0	0
9	RAILPLATE1	PZ	.000497	.000497	0	0
10	RAIL1	PZ	.002	.002	0	0

Member Distributed Loads (BLC 38 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft.%]	End Location[ft.%]
11	RAIL2	PZ	.002	.002	0	0
12	RAIL3	PZ	.000938	.000938	0	0
13	MP GAMMA7	PZ	.002	.002	0	0
14	MP GAMMA6	PZ	.002	.002	0	0
15	MP GAMMA5	PZ	.002	.002	0	0
16	MP GAMMA4	PZ	.002	.002	0	0
17	MP GAMMA3	PZ	.002	.002	0	0
18	MP GAMMA2	PZ	.002	.002	0	0
19	MP GAMMA1	PZ	.002	.002	0	0
20	MP BETA7	PZ	.002	.002	0	0
21	MP BETA6	PZ	.002	.002	0	0
22	MP BETA5	PZ	.002	.002	0	0
23	MP BETA4	PZ	.002	.002	0	0
24	MP BETA3	PZ	.002	.002	0	0
25	MP BETA2	PZ	.002	.002	0	0
26	MP BETA1	PZ	.002	.002	0	0
27	MP ALPHA7	PZ	.002	.002	0	0
28	MP ALPHA6	PZ	.002	.002	0	0
29	MP ALPHA5	PZ	.002	.002	0	0
30	MP ALPHA4	PZ	.002	.002	0	0
31	MP ALPHA3	PZ	.002	.002	0	0
32	MP ALPHA2	PZ	.002	.002	0	0
33	MP ALPHA1	PZ	.002	.002	0	0
34	KICKER3	PZ	.000938	.000938	0	0
35	KICKER2	PZ	.000938	.000938	0	0
36	KICKER1	PZ	.000938	.000938	0	0
37	FACE1	PZ	.003	.003	0	0
38	FACE2	PZ	.003	.003	0	0
39	FACE3	PZ	.001	.001	0	0
40	CRPLATE6	PZ	.000938	.000938	0	0
41	CRPLATE5	PZ	.000938	.000938	0	0
42	CRPLATE4	PZ	.000938	.000938	0	0
43	CRPLATE3	PZ	.000938	.000938	0	0
44	CRPLATE2	PZ	.000938	.000938	0	0
45	CRPLATE1	PZ	.000938	.000938	0	0
46	CR3	PZ	.001	.001	0	0
47	CR2	PZ	.001	.001	0	0
48	CR1	PZ	.001	.001	0	0
49	SOPLATE3	PX	.000822	.000822	0	0
50	SOPLATE2	PX	.000822	.000822	0	0
51	SOPLATE1	PX	.000822	.000822	0	0
52	SO3	PX	.001	.001	0	0
53	SO2	PX	.001	.001	0	0
54	SO1	PX	.001	.001	0	0
55	RAILPLATE3	PX	.00086	.00086	0	0
56	RAILPLATE2	PX	.00086	.00086	0	0
57	RAILPLATE1	PX	.00086	.00086	0	0
58	RAIL1	PX	.003	.003	0	0
59	RAIL2	PX	.003	.003	0	0
60	RAIL3	PX	.002	.002	0	0
61	MP GAMMA7	PX	.003	.003	0	0
62	MP GAMMA6	PX	.003	.003	0	0
63	MP GAMMA5	PX	.003	.003	0	0
64	MP GAMMA4	PX	.003	.003	0	0
65	MP GAMMA3	PX	.003	.003	0	0
66	MP GAMMA2	PX	.003	.003	0	0
67	MP GAMMA1	PX	.003	.003	0	0

Member Distributed Loads (BLC 38 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
68	MP BETA7	PX	.003	.003	0	0
69	MP BETA6	PX	.003	.003	0	0
70	MP BETA5	PX	.003	.003	0	0
71	MP BETA4	PX	.003	.003	0	0
72	MP BETA3	PX	.003	.003	0	0
73	MP BETA2	PX	.003	.003	0	0
74	MP BETA1	PX	.003	.003	0	0
75	MP ALPHA7	PX	.003	.003	0	0
76	MP ALPHA6	PX	.003	.003	0	0
77	MP ALPHA5	PX	.003	.003	0	0
78	MP ALPHA4	PX	.003	.003	0	0
79	MP ALPHA3	PX	.003	.003	0	0
80	MP ALPHA2	PX	.003	.003	0	0
81	MP ALPHA1	PX	.003	.003	0	0
82	KICKER3	PX	.002	.002	0	0
83	KICKER2	PX	.002	.002	0	0
84	KICKER1	PX	.002	.002	0	0
85	FACE1	PX	.004	.004	0	0
86	FACE2	PX	.004	.004	0	0
87	FACE3	PX	.002	.002	0	0
88	CRPLATE6	PX	.002	.002	0	0
89	CRPLATE5	PX	.002	.002	0	0
90	CRPLATE4	PX	.002	.002	0	0
91	CRPLATE3	PX	.002	.002	0	0
92	CRPLATE2	PX	.002	.002	0	0
93	CRPLATE1	PX	.002	.002	0	0
94	CR3	PX	.002	.002	0	0
95	CR2	PX	.002	.002	0	0
96	CR1	PX	.002	.002	0	0

Member Distributed Loads (BLC 39 : Ice Wind Load (330))

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	SOPLATE3	PZ	.000822	.000822	0	0
2	SOPLATE2	PZ	.000822	.000822	0	0
3	SOPLATE1	PZ	.000822	.000822	0	0
4	SO3	PZ	.001	.001	0	0
5	SO2	PZ	.001	.001	0	0
6	SO1	PZ	.001	.001	0	0
7	RAILPLATE3	PZ	.00086	.00086	0	0
8	RAILPLATE2	PZ	.00086	.00086	0	0
9	RAILPLATE1	PZ	.00086	.00086	0	0
10	RAIL3	PZ	.003	.003	0	0
11	RAIL2	PZ	.003	.003	0	0
12	RAIL1	PZ	.002	.002	0	0
13	MP GAMMA7	PZ	.003	.003	0	0
14	MP GAMMA6	PZ	.003	.003	0	0
15	MP GAMMA5	PZ	.003	.003	0	0
16	MP GAMMA4	PZ	.003	.003	0	0
17	MP GAMMA3	PZ	.003	.003	0	0
18	MP GAMMA2	PZ	.003	.003	0	0
19	MP GAMMA1	PZ	.003	.003	0	0
20	MP BETA7	PZ	.003	.003	0	0
21	MP BETA6	PZ	.003	.003	0	0
22	MP BETA5	PZ	.003	.003	0	0
23	MP BETA4	PZ	.003	.003	0	0
24	MP BETA3	PZ	.003	.003	0	0

Member Distributed Loads (BLC 39 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft...]	End Magnitude[k/ft...]	Start Location[ft.%]	End Location[ft.%]
25	MP BETA2	PZ	.003	.003	0	0
26	MP BETA1	PZ	.003	.003	0	0
27	MP ALPHA7	PZ	.003	.003	0	0
28	MP ALPHA6	PZ	.003	.003	0	0
29	MP ALPHA5	PZ	.003	.003	0	0
30	MP ALPHA4	PZ	.003	.003	0	0
31	MP ALPHA3	PZ	.003	.003	0	0
32	MP ALPHA2	PZ	.003	.003	0	0
33	MP ALPHA1	PZ	.003	.003	0	0
34	KICKER3	PZ	.002	.002	0	0
35	KICKER2	PZ	.002	.002	0	0
36	KICKER1	PZ	.002	.002	0	0
37	FACE3	PZ	.004	.004	0	0
38	FACE2	PZ	.004	.004	0	0
39	FACE1	PZ	.002	.002	0	0
40	CRPLATE6	PZ	.002	.002	0	0
41	CRPLATE5	PZ	.002	.002	0	0
42	CRPLATE4	PZ	.002	.002	0	0
43	CRPLATE3	PZ	.002	.002	0	0
44	CRPLATE2	PZ	.002	.002	0	0
45	CRPLATE1	PZ	.002	.002	0	0
46	CR3	PZ	.002	.002	0	0
47	CR2	PZ	.002	.002	0	0
48	CR1	PZ	.002	.002	0	0
49	SOPLATE3	PX	.000475	.000475	0	0
50	SOPLATE2	PX	.000475	.000475	0	0
51	SOPLATE1	PX	.000475	.000475	0	0
52	SO3	PX	.000696	.000696	0	0
53	SO2	PX	.000696	.000696	0	0
54	SO1	PX	.000696	.000696	0	0
55	RAILPLATE3	PX	.000497	.000497	0	0
56	RAILPLATE2	PX	.000497	.000497	0	0
57	RAILPLATE1	PX	.000497	.000497	0	0
58	RAIL3	PX	.002	.002	0	0
59	RAIL2	PX	.002	.002	0	0
60	RAIL1	PX	.000938	.000938	0	0
61	MP GAMMA7	PX	.002	.002	0	0
62	MP GAMMA6	PX	.002	.002	0	0
63	MP GAMMA5	PX	.002	.002	0	0
64	MP GAMMA4	PX	.002	.002	0	0
65	MP GAMMA3	PX	.002	.002	0	0
66	MP GAMMA2	PX	.002	.002	0	0
67	MP GAMMA1	PX	.002	.002	0	0
68	MP BETA7	PX	.002	.002	0	0
69	MP BETA6	PX	.002	.002	0	0
70	MP BETA5	PX	.002	.002	0	0
71	MP BETA4	PX	.002	.002	0	0
72	MP BETA3	PX	.002	.002	0	0
73	MP BETA2	PX	.002	.002	0	0
74	MP BETA1	PX	.002	.002	0	0
75	MP ALPHA7	PX	.002	.002	0	0
76	MP ALPHA6	PX	.002	.002	0	0
77	MP ALPHA5	PX	.002	.002	0	0
78	MP ALPHA4	PX	.002	.002	0	0
79	MP ALPHA3	PX	.002	.002	0	0
80	MP ALPHA2	PX	.002	.002	0	0
81	MP ALPHA1	PX	.002	.002	0	0

Member Distributed Loads (BLC 39 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
82	KICKER3	PX	.000938	.000938	0	0
83	KICKER2	PX	.000938	.000938	0	0
84	KICKER1	PX	.000938	.000938	0	0
85	FACE3	PX	.003	.003	0	0
86	FACE2	PX	.003	.003	0	0
87	FACE1	PX	.001	.001	0	0
88	CRPLATE6	PX	.000938	.000938	0	0
89	CRPLATE5	PX	.000938	.000938	0	0
90	CRPLATE4	PX	.000938	.000938	0	0
91	CRPLATE3	PX	.000938	.000938	0	0
92	CRPLATE2	PX	.000938	.000938	0	0
93	CRPLATE1	PX	.000938	.000938	0	0
94	CR3	PX	.001	.001	0	0
95	CR2	PX	.001	.001	0	0
96	CR1	PX	.001	.001	0	0

Member Distributed Loads (BLC 43 : BLC 3 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft, %]	End Location[ft, %]
1	FACE2	Y	-.0004545	-.011	0	1.267
2	FACE2	Y	-.011	-.019	1.267	2.533
3	FACE2	Y	-.019	-.013	2.533	3.8
4	FACE2	Y	-.013	-.005	3.8	5.066
5	FACE2	Y	-.005	-.0004545	5.066	6.333
6	FACE1	Y	-.0004235	-.002	5.066	6.586
7	FACE1	Y	-.002	-.007	6.586	8.106
8	FACE1	Y	-.007	-.013	8.106	9.626
9	FACE1	Y	-.013	-.011	9.626	11.146
10	FACE1	Y	-.011	-.0004235	11.146	12.666
11	CRPLATE4	Y	-.0004802	-.0004802	0	.25
12	CRPLATE3	Y	-.0008989	-.0008989	.03	.231
13	CR1	Y	-.002	-.009	0	1.171
14	CR1	Y	-.009	-.015	1.171	2.342
15	CR1	Y	-.015	-.014	2.342	3.512
16	CR1	Y	-.014	-.009	3.512	4.683
17	CR1	Y	-.009	-.003	4.683	5.854
18	FACE3	Y	-.0003956	-.006	6.333	7.6
19	FACE3	Y	-.006	-.013	7.6	8.866
20	FACE3	Y	-.013	-.019	8.866	10.133
21	FACE3	Y	-.019	-.012	10.133	11.399
22	FACE3	Y	-.012	-.0003956	11.399	12.666
23	FACE1	Y	-.002	-.008	0	1.267
24	FACE1	Y	-.008	-.013	1.267	2.533
25	FACE1	Y	-.013	-.012	2.533	3.8
26	FACE1	Y	-.012	-.005	3.8	5.066
27	FACE1	Y	-.005	-.0003868	5.066	6.333
28	CRPLATE6	Y	-.0009055	-.0009055	.018	.221
29	CRPLATE5	Y	-.0008271	-.0008271	.027	.218
30	CR2	Y	-.004	-.008	0	1.171
31	CR2	Y	-.008	-.013	1.171	2.342
32	CR2	Y	-.013	-.015	2.342	3.512
33	CR2	Y	-.015	-.01	3.512	4.683
34	CR2	Y	-.01	-.002	4.683	5.854
35	FACE3	Y	-.004	-.007	0	1.267
36	FACE3	Y	-.007	-.011	1.267	2.533
37	FACE3	Y	-.011	-.011	2.533	3.8
38	FACE3	Y	-.011	-.005	3.8	5.066

Member Distributed Loads (BLC 43 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft, %]	End Location[ft, %]
39	FACE3	Y	-0.005	-0.0002741	5.066	6.333
40	FACE2	Y	-0.0007297	-0.006	6.333	7.6
41	FACE2	Y	-0.006	-0.013	7.6	8.866
42	FACE2	Y	-0.013	-0.017	8.866	10.133
43	FACE2	Y	-0.017	-0.013	10.133	11.399
44	FACE2	Y	-0.013	-0.002	11.399	12.666
45	CRPLATE2	Y	-0.0008273	-0.0008273	.032	.223
46	CRPLATE1	Y	-0.0009201	-0.0009201	.027	.216
47	CR3	Y	-0.002	-0.009	0	1.171
48	CR3	Y	-0.009	-0.015	1.171	2.342
49	CR3	Y	-0.015	-0.015	2.342	3.512
50	CR3	Y	-0.015	-0.01	3.512	4.683
51	CR3	Y	-0.01	-0.003	4.683	5.854

Member Distributed Loads (BLC 44 : BLC 27 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft, %]	End Location[ft, %]
1	FACE2	Y	-0.0006363	-0.016	0	1.267
2	FACE2	Y	-0.016	-0.026	1.267	2.533
3	FACE2	Y	-0.026	-0.019	2.533	3.8
4	FACE2	Y	-0.019	-0.007	3.8	5.066
5	FACE2	Y	-0.007	-0.0006363	5.066	6.333
6	FACE1	Y	-0.0005929	-0.003	5.066	6.586
7	FACE1	Y	-0.003	-0.01	6.586	8.106
8	FACE1	Y	-0.01	-0.019	8.106	9.626
9	FACE1	Y	-0.019	-0.015	9.626	11.146
10	FACE1	Y	-0.015	-0.0005929	11.146	12.666
11	CRPLATE4	Y	-0.0006723	-0.0006723	0	.25
12	CRPLATE3	Y	-0.001	-0.001	.03	.231
13	CR1	Y	-0.003	-0.013	0	1.171
14	CR1	Y	-0.013	-0.021	1.171	2.342
15	CR1	Y	-0.021	-0.019	2.342	3.512
16	CR1	Y	-0.019	-0.012	3.512	4.683
17	CR1	Y	-0.012	-0.004	4.683	5.854
18	FACE3	Y	-0.0005538	-0.008	6.333	7.6
19	FACE3	Y	-0.008	-0.019	7.6	8.866
20	FACE3	Y	-0.019	-0.027	8.866	10.133
21	FACE3	Y	-0.027	-0.017	10.133	11.399
22	FACE3	Y	-0.017	-0.0005538	11.399	12.666
23	FACE1	Y	-0.003	-0.011	0	1.267
24	FACE1	Y	-0.011	-0.018	1.267	2.533
25	FACE1	Y	-0.018	-0.017	2.533	3.8
26	FACE1	Y	-0.017	-0.007	3.8	5.066
27	FACE1	Y	-0.007	-0.0005415	5.066	6.333
28	CRPLATE6	Y	-0.001	-0.001	.018	.221
29	CRPLATE5	Y	-0.001	-0.001	.027	.218
30	CR2	Y	-0.005	-0.012	0	1.171
31	CR2	Y	-0.012	-0.018	1.171	2.342
32	CR2	Y	-0.018	-0.02	2.342	3.512
33	CR2	Y	-0.02	-0.013	3.512	4.683
34	CR2	Y	-0.013	-0.003	4.683	5.854
35	FACE3	Y	-0.006	-0.01	0	1.267
36	FACE3	Y	-0.01	-0.016	1.267	2.533
37	FACE3	Y	-0.016	-0.016	2.533	3.8
38	FACE3	Y	-0.016	-0.007	3.8	5.066
39	FACE3	Y	-0.007	-0.0003838	5.066	6.333
40	FACE2	Y	-0.001	-0.008	6.333	7.6

Member Distributed Loads (BLC 44 : BLC 27 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
41	FACE2	Y	-.008	-.018	7.6	8.866
42	FACE2	Y	-.018	-.024	8.866	10.133
43	FACE2	Y	-.024	-.018	10.133	11.399
44	FACE2	Y	-.018	-.003	11.399	12.666
45	CRPLATE2	Y	-.001	-.001	.032	.223
46	CRPLATE1	Y	-.001	-.001	.027	.216
47	CR3	Y	-.002	-.013	0	1.171
48	CR3	Y	-.013	-.021	1.171	2.342
49	CR3	Y	-.021	-.021	2.342	3.512
50	CR3	Y	-.021	-.014	3.512	4.683
51	CR3	Y	-.014	-.004	4.683	5.854

Member Area Loads (BLC 3 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N177	N178A	N64B	N63B	Y	Two Way	-.01
2	N63C	N62A	N180	N179	Y	Two Way	-.01
3	N168A	N181	N182	N167A	Y	Two Way	-.01

Member Area Loads (BLC 27 : Ice Dead Load)

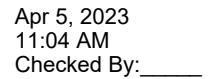
	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N177	N178A	N64B	N63B	Y	Two Way	-.014
2	N63C	N62A	N180	N179	Y	Two Way	-.014
3	N168A	N181	N182	N167A	Y	Two Way	-.014

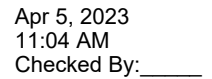
Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N72A	max	.407	11	.243	2	11.276	20	.289	2	1.176	29	.162	29
2		min	-.414	29	-.632	20	-3.039	2	-.711	20	-1.158	11	-.138	11
3	N183	max	9.671	8	.24	26	1.547	26	.359	11	.68	17	.607	8
4		min	-2.576	26	-.626	8	-5.629	8	-.135	29	-.678	35	-.262	26
5	N185	max	2.622	14	.242	14	1.573	14	.365	29	.769	5	.244	14
6		min	-9.608	32	-.621	32	-5.619	32	-.18	11	-.729	23	-.61	32
7	N116	max	.113	11	4.427	21	.577	2	.933	21	.393	29	.262	29
8		min	-.101	29	-.331	2	-6.416	21	.006	2	-.409	11	-.271	11
9	N120	max	5.507	33	4.39	33	3.181	33	.097	14	.221	5	.792	33
10		min	-.515	14	-.33	14	-.252	14	-.478	33	-.218	23	.06	14
11	N124	max	.511	26	4.357	9	3.14	9	.034	26	.174	17	-.021	26
12		min	-5.476	9	-.339	26	-.285	26	-.478	9	-.204	35	-.784	9
13	Totals:	max	6.443	11	10.391	15	6.673	20						
14		min	-6.443	29	4.639	32	-6.538	2						

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(M...	Surface...
1	Live Load	DL					1			
2	Wind Load (0)	DL					40	48		
3	Dead Load	DL		-1.1			40		3	
4	Wind Load (30)	DL					80	96		
5	Wind Load (60)	DL					80	96		
6	Wind Load (90)	DL					40	48		
7	Wind Load (120)	DL					80	96		
8	Wind Load (150)	DL					80	96		
9	Wind Load (180)	DL					40	48		

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[illegible]

	Member	Shape	Code Check	Loc...	LC	Shear Check	Loc...	Dir	LC	phi*P...	phi*P...	phi*M...	phi*M...	Cb	Eqn
1	FACE3	C5X6.7	.992	6.729	32	.366	12....	z	3	4.596	63.828	1.604	6.445	1.406	H1-1a
2	FACE2	C5X6.7	.990	6.729	20	.361	12....	z	27	4.596	63.828	1.604	6.416	1.4	H1-1a
3	FACE1	C5X6.7	.988	6.729	8	.351	12....	z	15	4.596	63.828	1.604	6.419	1.4	H1-1a
4	SOPLATE3	PL 9x3/8	.853	.5	21	.288	.5	y	32	57.263	109.35	.854	20.503	1.339	H1-1b
5	SOPLATE1	PL 9x3/8	.842	.5	9	.290	.5	y	20	57.263	109.35	.854	20.503	1.337	H1-1b
6	SOPLATE2	PL 9x3/8	.830	.5	33	.286	.5	y	8	57.263	109.35	.854	20.503	1.337	H1-1b
7	MP BETA5	PIPE_2.0	.680	.75	23	.123	.75		17	20.867	32.13	1.872	1.872	1.675	H1-1b
8	MP GAMMA5	PIPE_2.0	.679	.75	35	.131	.75		29	20.867	32.13	1.872	1.872	1.798	H1-1b
9	MP GAMMA3	PIPE_3.0	.666	.75	17	.107	5.5		8	46.291	65.205	5.749	5.749	2.07	H1-1b
10	MP BETA3	PIPE_3.0	.659	.75	5	.115	.75		29	46.291	65.205	5.749	5.749	2.114	H1-1b
11	MP ALPHA5	PIPE_2.0	.652	.75	11	.125	.75		5	20.867	32.13	1.872	1.872	1.735	H1-1b
12	MP ALPHA3	PIPE_3.0	.635	.75	29	.111	5.5		20	46.291	65.205	5.749	5.749	2.091	H1-1b
13	MP BETA6	PIPE_2.0	.625	.75	23	.097	.75		14	20.867	32.13	1.872	1.872	1.576	H1-1b
14	MP GAMMA6	PIPE_2.0	.625	.75	35	.100	.75		26	20.867	32.13	1.872	1.872	1.783	H1-1b
15	RAIL2	L3X3X4	.622	5.805	14	.348	.528	y	14	4.819	46.656	1.688	2.77	1.527	H2-1
16	RAIL3	L3X3X4	.619	5.805	26	.363	.528	y	26	4.819	46.656	1.688	2.76	1.513	H2-1
17	RAIL1	L3X3X4	.615	5.805	2	.364	.528	y	2	4.819	46.656	1.688	2.772	1.531	H2-1
18	MP ALPHA6	PIPE_2.0	.600	.75	11	.098	.75		2	20.867	32.13	1.872	1.872	1.655	H1-1b
19	MP BETA7	PIPE_2.0	.580	1.25	23	.129	1.25		11	14.916	32.13	1.872	1.872	1.891	H1-1b
20	MP GAMMA7	PIPE_2.0	.580	1.25	35	.129	1.25		23	14.916	32.13	1.872	1.872	1.664	H1-1b
21	MP BETA4	PIPE_2.5	.568	.802	23	.073	.802		29	33.962	50.715	3.596	3.596	1.822	H1-1b
22	MP GAMMA4	PIPE_2.5	.565	.802	35	.068	.802		5	33.962	50.715	3.596	3.596	1.726	H1-1b
23	MP ALPHA7	PIPE_2.0	.557	1.25	11	.127	1.25		35	14.916	32.13	1.872	1.872	1.83	H1-1b
24	MP ALPHA4	PIPE_2.5	.540	.802	11	.068	.802		20	33.962	50.715	3.596	3.596	1.773	H1-1b
25	MP GAMMA2	PIPE_2.0	.489	.75	17	.113	.75		8	20.867	32.13	1.872	1.872	1.614	H1-1b
26	MP BETA2	PIPE_2.0	.486	.75	5	.115	.75		32	20.867	32.13	1.872	1.872	1.749	H1-1b
27	MP ALPHA2	PIPE_2.0	.469	.75	29	.114	.75		20	20.867	32.13	1.872	1.872	1.668	H1-1b
28	MP GAMMA1	PIPE_2.0	.458	1.25	17	.138	1.25		11	14.916	32.13	1.872	1.872	1.895	H1-1b

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

	Member	Shape	Code Check	Loc...	LC	Shear Check	Loc...	Dir	LC	phi*P...	phi*P...	phi*M...	phi*M...	Cb	Eqn
29	MP BETA1	PIPE_2.0	.455	1.25	5	.135	1.25		35	14.916	32.13	1.872	1.872	1.618	H1-1b
30	MP ALPHA1	PIPE_2.0	.440	1.25	29	.138	1.25		23	14.916	32.13	1.872	1.872	1.822	H1-1b
31	CRPLATE2	3X.375	.385	.25	23	.141	.25	y	30	35.006	36.45	.285	2.278	1.032	H1-1b
32	CRPLATE5	3X.375	.360	0	35	.019	0	y	5	35.006	36.45	.285	2.278	1.027	H1-1b
33	CRPLATE3	3X.375	.348	0	11	.019	0	y	17	35.006	36.45	.285	2.278	1.027	H1-1b
34	SO2	HSS4X...	.336	4.167	29	.125	4.1...	y	33	91.274	106.8...	12.662	12.662	2.142	H1-1b
35	SO3	HSS4X...	.333	4.167	20	.128	4.1...	y	21	91.274	106.8...	12.662	12.662	2.134	H1-1b
36	SO1	HSS4X...	.329	4.167	5	.126	4.1...	y	9	91.274	106.8...	12.662	12.662	2.14	H1-1b
37	KICKER3	LL3x3x...	.278	4.742	21	.009	4.7...	y	21	47.759	70.632	5.543	2.976	2.156	H1-1b
38	KICKER2	LL3x3x...	.274	4.742	9	.009	4.7...	y	8	47.759	70.632	5.543	2.976	2.211	H1-1b
39	KICKER1	LL3x3x...	.273	4.742	33	.010	4.7...	y	29	47.759	70.632	5.543	2.976	1.067	H1-1b
40	CR2	L4X4X4	.231	5.854	2	.013	5.8...	z	2	40.491	62.532	3.138	6.61	2.056	H2-1
41	CR3	L4X4X4	.228	5.671	8	.089	5.8...	z	27	40.491	62.532	3.138	6.153	1.412	H2-1
42	CR1	L4X4X4	.228	5.854	14	.013	5.8...	z	14	40.491	62.532	3.138	6.638	2.107	H2-1
43	CRPLATE4	3X.375	.214	.25	29	.016	.25	y	35	35.006	36.45	.285	2.278	2.172	H1-1b
44	CRPLATE1	3X.375	.214	0	5	.032	0	y	12	35.006	36.45	.285	2.278	2.155	H1-1b
45	CRPLATE6	3X.375	.189	.25	17	.017	.25	y	20	35.006	36.45	.285	2.278	2.176	H1-1b
46	RAILPLATE1	6x0.5	.120	0	8	.154	0	y	17	67.552	97.2	1.012	11.919	1.035	H1-1b
47	RAILPLATE3	6x0.5	.115	0	20	.157	0	y	26	67.552	97.2	1.012	11.748	1.02	H1-1b
48	RAILPLATE2	6x0.5	.114	0	32	.155	0	y	2	67.552	97.2	1.012	11.731	1.018	H1-1b

APPENDIX D

Additional Calculations



POD Job # 23-153499
Site Number 806953
Site Name Riverbank

Connection Type Double Shear

RISA 3D Forces

Axial (Bolts) 0.269 kips
Shear (Bolts) 4.907 kips
Axial Force (Member) 4.907 kips

Bolt/Member Information

Member Label	KICKER1	
# of Bolts	1	
Diameter	0.5	inches
Bolt Grade	A325	
Member Grade	A36	
Threads Included?	Yes	
L_b	0	inches
L_c	1	inches
t	0.1875	inches

Shear Capacity

27.8%

Axial Capacity

2.1%

Bearing Capacity

47.0%



POD Job #	23-153499
Site Number	806953
Site Name	Riverbank

Calculations Based on TIA-222-H

Reactions from RISA-3D

Torque	0.189 ft-kip
Moment (y-y)	-0.287 ft-kip
Moment (z-z)	0.188 ft-kip
Axial	0.979 kips
Shear (y)	0.711 kips
Shear (z)	0.087 kips

RISA Members to Check

24
26
28

Kicker Flange Plate Capacities

Bolts	0.1%
Flange Plate	8.6%
Load Combination	8
Member	24

Bolt Information

Grade	A325
Threads in Shear Plane	Included
Diameter	0.625 in.
Bolt Spacing (y)	6 in.
Bolt Spacing (z)	6 in.
Number of Rods	4

Flange Plate Information

Width (y)	8 in.
Width (z)	8 in.
Thickness	0.5 in.
Grade	A36

Standoff Information

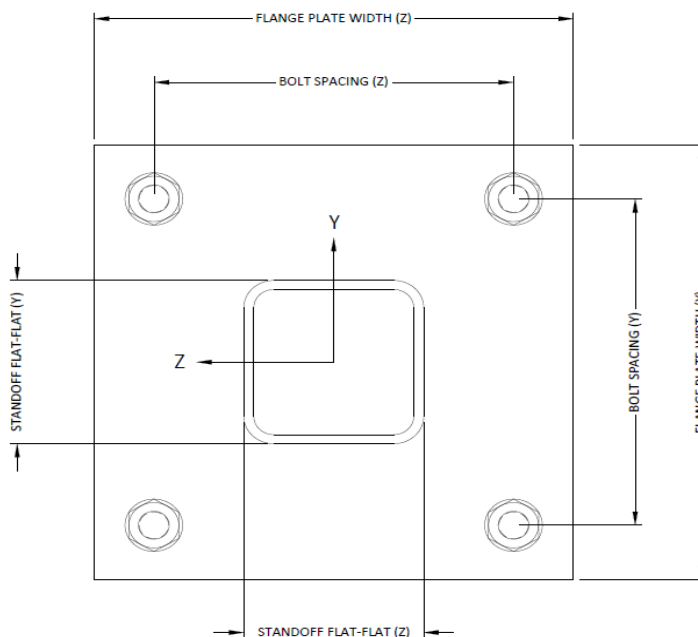
Standoff Member	HSS
Thickness	0.375 in.
Flat-Flat (y)	4 in.
Flat-Flat (z)	0.375 in.

Bolt Calculations

ϕ	0.75
A_{nt}	0.226 in ²
A_b	0.307 in ²
F_u	120 ksi
ϕR_{nv}	13.81 kips
ϕR_{nt}	20.34 kips
V	0.37 kips
F	0.24 kips
Capacity	0.1%

Flange Plate Calculations

ϕ	0.9
F_y	36 ksi
t_{min}	0.05 in
W	8.21 in
Z	0.5 in ³
ϕM_n	16.6 in-kip
M_u	1.4 in-kip
Capacity	8.6%





POD Job #	23-153499
Site Number	806953
Site Name	Riverbank

Calculations Based on TIA-222-H

Reactions from RISA-3D

Torque	-0.01 ft-kip
Moment (y-y)	0.312 ft-kip
Moment (z-z)	-0.699 ft-kip
Axial	-11.13 kips
Shear (y)	-0.619 kips
Shear (z)	-0.061 kips

RISA Members to Check

SO1
SO2
SO3

Standoff Flange Plate Capacities

Bolts	3.6%
Flange Plate	30.0%
Load Combination	32
Member	SO2

Bolt Information

Grade	A325
Threads in Shear Plane	Included
Diameter	0.625 in.
Bolt Spacing (y)	6 in.
Bolt Spacing (z)	6 in.
Number of Rods	4

Flange Plate Information

Width (y)	8.5 in.
Width (z)	8.5 in.
Thickness	0.75 in.
Grade	A36

Standoff Information

Standoff Member	HSS
Thickness	0.1875 in.
Flat-Flat (y)	4 in.
Flat-Flat (z)	4 in.

Bolt Calculations

ϕ	0.75
A_{nt}	0.226 in ²
A_b	0.307 in ²
F_u	120 ksi
ϕR_{nv}	13.81 kips
ϕR_{nt}	20.34 kips
V	0.17 kips
F	3.86 kips
Capacity	3.6%

Flange Plate Calculations

ϕ	0.9
F_y	36 ksi
t_{min}	0.18 in
W	7.98 in
Z	1.1 in ³
ϕM_n	36.4 in-kip
M_u	10.9 in-kip
Capacity	30.0%

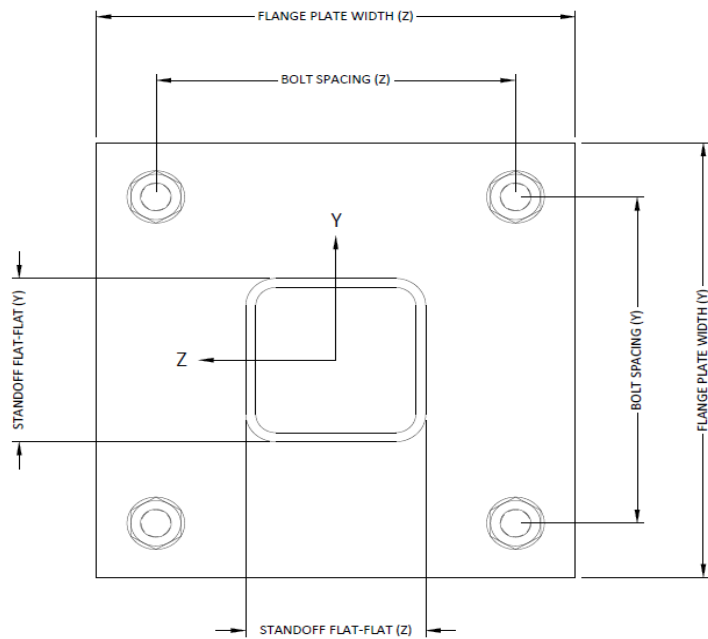


Exhibit F

Power Density/RF Emissions Report



FOX HILL TELECOM

Radio Frequency Emissions Analysis Report

Prepared for:



Crown Site BU: 806953

Verizon Wireless Site Name: Riverbank CT

Verizon Wireless FUZE ID: 16092561

Site Address:

69 Guinea Road (Camp Rocky Craig)
Stamford, CT 06903

April 22, 2023

Fox Hill Telecom Project Number: 230375

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general population allowable limit:	14.95 %



April 22, 2023

Crown Castle
1800 W. Park Drive
Westborough, MA 01581

Emissions Analysis for:

Crown Castle Site: 806953 – BRG 2044 (A) 943097

Verizon Wireless Site: Riverbank CT

Fox Hill Telecom, Inc (“Fox Hill”) was directed to analyze the proposed upgrades for Verizon Wireless to the Crown Castle facility located at **69 Guinea Road (Camp Rocky Craig), Stamford, CT**, for the purpose of determining whether the emissions from the Proposed Verizon Wireless Antenna Installation, in addition to all existing radio systems located on this property, are within specified federal limits.

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

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

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



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

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

Additional details can be found in FCC OET 65.



CALCULATIONS

Calculations were performed for the proposed upgrades to the Crown Castle facility for Verizon Wireless located at **69 Guinea Road (Camp Rocky Craig), Stamford, CT**, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65 for far field modeling calculations.

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

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

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

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

Equation 9 per FCC OET65 for Far Field Modeling

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

S = Power Density (in $\mu\text{W}/\text{cm}^2$)

ERP = Effective Radiated Power from antenna (watts)

R = Distance from the antenna (meters)

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



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

Technology	Frequency Band	Channel Count	Transmit Power per Channel (W)
LTE	700 MHz	4	40
LTE / 5G	850 MHz	4	40
LTE	1900 MHz (PCS)	4	40
LTE	2100 MHz (AWS)	4	40
5G	3700 MHz (C Band)	8	20

Table 1: Channel Data Table



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

Sector	Antenna Number	Antenna Make / Model	Antenna Centerline (ft)
A	1	Andrew DB846F65ZAXY (Dormant)	142
A	2	JMA MX06FRO860-03	142
A	3	JMA MX06FRO860-03	142
A	4	Samsung MT6407-77A	142
A	5	Andrew DB846F65ZAXY (Dormant)	142
B	1	Andrew DB846F65ZAXY (Dormant)	142
B	2	JMA MX06FRO860-03	142
B	3	JMA MX06FRO860-03	142
B	4	Samsung MT6407-77A	142
B	5	Andrew DB846F65ZAXY (Dormant)	142
C	1	Andrew DB846F65ZAXY (Dormant)	142
C	2	JMA MX06FRO860-03	142
C	3	JMA MX06FRO860-03	142
C	4	Samsung MT6407-77A	142
C	5	Andrew DB846F65ZAXY (Dormant)	142

Table 2: Antenna Data

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



RESULTS

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

Antenna ID	Antenna Make / Model	Frequency Bands	Antenna Gain (dBd)	Channel Count	Total TX Power (W)	ERP (W)	MPE %
Antenna A1	Andrew DB846F65ZAXY	NA	NA	0	0	0.00	0.00
Antenna A2	JMA MX06FRO860-03	700 MHz / 850 MHz / 1900 MHz (PCS) / 2100 MHz (AWS)	13.15 / 12.35 / 15.75 / 16.05	16	640	16,726.69	0.85
Antenna A3	JMA MX06FRO860-03	700 MHz / 850 MHz / 1900 MHz (PCS) / 2100 MHz (AWS)	13.15 / 12.35 / 15.75 / 16.05	8	320	9,255.07	0.85
Antenna A4	Samsung MT6407-77A	3700 MHz (C Band)	23.15	8	132	27,263.02	6.71
Antenna A5	Andrew DB846F65ZAXY	NA	NA	0	0	0.00	0.00
Sector A Composite MPE%							8.41
Antenna B1	Andrew DB846F65ZAXY	NA	NA	0	0	0.00	0.00
Antenna B2	JMA MX06FRO860-03	700 MHz / 850 MHz / 1900 MHz (PCS) / 2100 MHz (AWS)	13.15 / 12.35 / 15.75 / 16.05	8	320	9,255.07	0.85
Antenna B3	JMA MX06FRO860-03	700 MHz / 850 MHz / 1900 MHz (PCS) / 2100 MHz (AWS)	13.15 / 12.35 / 15.75 / 16.05	8	320	9,255.07	0.85
Antenna B4	Samsung MT6407-77A	3700 MHz (C Band)	23.15	8	132	27,263.02	6.71
Antenna B5	Andrew DB846F65ZAXY	NA	NA	0	0	0.00	0.00
Sector B Composite MPE%							8.41
Antenna C1	Andrew DB846F65ZAXY	NA	NA	0	0	0.00	0.00
Antenna C2	JMA MX06FRO860-03	700 MHz / 850 MHz / 1900 MHz (PCS) / 2100 MHz (AWS)	13.15 / 12.35 / 15.75 / 16.05	8	320	9,255.07	0.85
Antenna C3	JMA MX06FRO860-03	700 MHz / 850 MHz / 1900 MHz (PCS) / 2100 MHz (AWS)	13.15 / 12.35 / 15.75 / 16.05	8	320	9,255.07	0.85
Antenna C4	Samsung MT6407-77A	3700 MHz (C Band)	23.15	8	132	27,263.02	6.71
Antenna C5	Andrew DB846F65ZAXY	NA	NA	0	0	0.00	0.00
Sector C Composite MPE%							8.41

Table 3: Verizon Wireless Inventory and Power Data table



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

Site Composite MPE%	
Carrier	MPE%
Verizon Wireless – Max Per Sector Value	8.41 %
T-Mobile	1.21 %
AT&T	3.08 %
Dish	2.25 %
Site Total MPE %:	14.95 %

Table 4: All Carrier MPE Contributions

Verizon Wireless Sector A Total:	8.41 %
Verizon Wireless Sector B Total:	8.41 %
Verizon Wireless Sector C Total:	8.41 %
Site Total:	14.95 %

Table 5: Site MPE Summary



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

Verizon Wireless _ Frequency Band / Technology Max Power Values (Per Sector)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ($\mu\text{W}/\text{cm}^2$)	Frequency (MHz)	Allowable MPE ($\mu\text{W}/\text{cm}^2$)	Calculated % MPE
Verizon Wireless 700 MHz LTE	4	552.15	142	2.58	700 MHz	497	0.52%
Verizon Wireless 850 MHz LTE / 5G	4	515.30	142	2.34	850 MHz	586	0.40%
Verizon Wireless 1900 MHz (PCS) LTE	4	1,503.35	142	4.20	1900 MHz (PCS)	1000	0.42%
Verizon Wireless 2100 MHz (AWS) LTE	4	1,610.87	142	3.60	2100 MHz (AWS)	1000	0.36%
Verizon Wireless 3700 MHz (C Band) 5G	8	3,407.88	142	67.10	3700 MHz (C Band)	1000	6.71%
						Total:	8.41 %

Table 6: Verizon Wireless Maximum Sector MPE Power Values



Summary

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

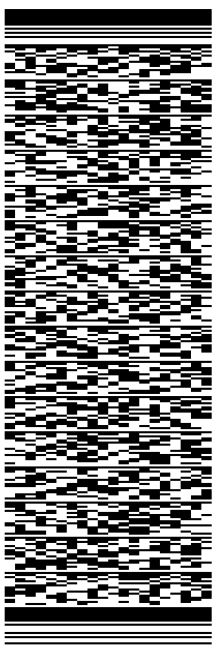
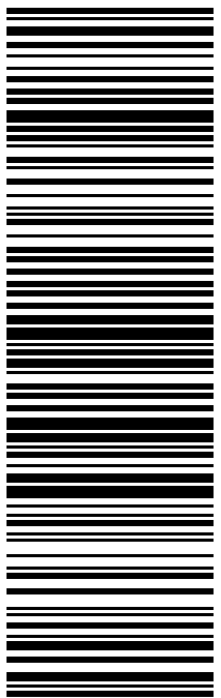
The anticipated maximum composite contributions from the Verizon Wireless facility as well as the site composite emissions estimates value with regards to compliance with FCC's allowable limits for general population exposure to RF Emissions are shown here:

Verizon Wireless Sector	Power Density Value (%)
Sector A:	8.41 %
Sector B:	8.41 %
Sector C:	8.41 %
Verizon Wireless Maximum Total (per sector):	8.41 %
Site Total:	14.95 %
Site Compliance Status:	COMPLIANT

The estimated composite emissions value for this site, assuming all carriers present, is **14.95 %** of the allowable FCC established general population limit sampled at the ground level. This is based upon the far field calculations performed for all carriers identified in this report.

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

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