



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

December 16, 2020

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

RE: Notice of Exempt Modification for AT&T: 841295
719 Amity Rd. Bethany, CT 06524
Latitude: 41° 26' 33.93"/ Longitude: -72° 59' 32.86"

Dear Ms. Bachman:

AT&T currently maintains nine (9) total antennas at the 148-foot mount on the existing 150-foot Monopole Tower, located at 719 Amity Rd. Bethany, CT. The tower is owned by Crown Castle. The property is owned by the Town of Bethany. AT&T now intends to replace three six (6) existing antennas with three (3) new 850 MHz antennas and three (3) new 2100 MHz antennas. This modification includes B2, B5, and B12 hardware that is both 4G(LTE) and 5GNR capable through remote software configuration and either or both services may be turned on or off at various times. AT&T is also proposing tower mount modification as proposed on the enclosed Mount Analysis.

The facility was approved by the Connecticut Siting Council in Docket No. 168 on July 6, 1995. This approval included the condition that:

1. The self-supporting monopole tower shall be no taller than necessary to provide the proposed communications service and the tower shall not exceed a total height of 150 feet above ground level (AGL)

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.S.C.A. § 16-50j-73, a copy of this letter is being sent to Ms. Paula Cofrancesco, First Selectwoman for the Town of Bethany as both the municipality and property owner, and Isabel Kearns, Land Use Administrator/Zoning Enforcement Officer.

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.

The Foundation for a Wireless World.

CrownCastle.com

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, AT&T respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2). Please send approval/rejection letter to Attn: Anne Marie Zsamba.

Sincerely,

Anne Marie Zsamba
Site Acquisition Specialist
3 Corporate Drive, Suite 101
Clifton Park, NY 12065
201-236-9224
annemarie.zsamba@crowncastle.com

Attachments

cc:

Ms. Paula Cofrancesco, First Selectwoman
Town of Bethany
40 Peck Road
Bethany, CT 06524
203-393-2100 ext. 1100

Isabel Kearns, Land Use Administrator/Zoning Enforcement Officer
Town of Bethany
40 Peck Road
Bethany, CT 06524
203-393-2100 ext. 1135

Crown Castle, Tower Owner

ORIGIN ID: SCH4 (518) 350-3639
ANNE MARIE ZSAMBRA
CROWN CASTLE
21 HEATHER DRIVE

GANSEVOORT, NY 12831
UNITED STATES US

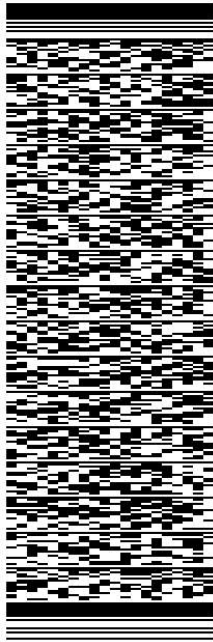
SHIP DATE: 16DEC20
ACTWGT: 1.00 LB
CAD: 104924194/INET4280

BILL SENDER

TO ISABEL KEARNS, LAND USE ADMIN
TOWN OF BETHANY
40 PECK ROAD

BETHANY CT 06524

(203) 393-2100 REF: 1734.7690
INV/ PO: DEPT:

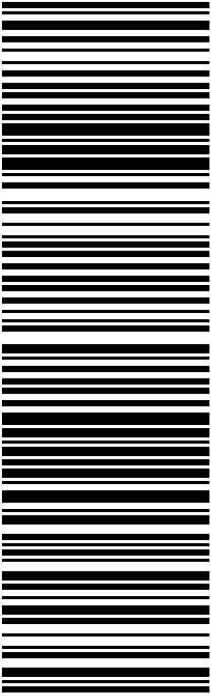


56BJ29196/B766

TRK# 0201 7723 8559 4920

THU - 17 DEC 10:30A
PRIORITY OVERNIGHT

EB EFBA 06524
CT-US BDL



After printing this label:

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

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

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

ORIGIN ID: SCH4 (518) 350-3639

ANNE MARIE ZSAMBRA
CROWN CASTLE
21 HEATHER DRIVE

GANSEVOORT, NY 12831
UNITED STATES US

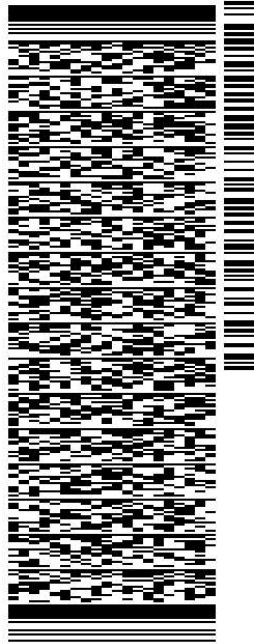
SHIP DATE: 16DEC20
ACTWGT: 1.00 LB
CAD: 104924194/NET4280

BILL SENDER

TO **PAULA COFRANCESCO, FIRST SELECTWOMA**
TOWN OF BETHANY
40 PECK ROAD

BETHANY CT 06524

(203) 393-2100 X 1100 REF: 1734 7690
INV/ PO: DEPT:



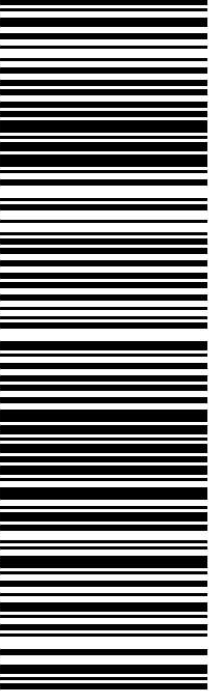
J202020071401uv

56BJ2/9196/B766

TRK# 7723 8558 8420
0201

THU - 17 DEC 10:30A
PRIORITY OVERNIGHT

EB EFBA 06524
CT-US BDL



After printing this label:

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

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Exhibit A

Original Facility Approval

DOCKET NO. 168 - An application of Springwich Cellular Limited Partnership for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications facility located on the former site of the Bethany Airport, 719 Amity Road (Route 63) in Bethany, Connecticut.	}	Connecticut
	}	Siting
	}	Council
	}	July 6, 1995

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 cellular telecommunications tower and equipment building at the proposed site in Bethany, 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 Springwich Cellular Limited Partnership (Springwich), for the construction, operation, and maintenance of a cellular telecommunications tower, associated equipment, and building at the proposed site located at the Bethany Airport, 719 Amity Road, Bethany, Connecticut.

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

1. The self-supporting monopole tower shall be no taller than necessary to provide the proposed communications service and the tower shall not exceed a total height of 150 feet above ground level (AGL).
2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include detailed plans for the tower location and tower foundation; the placement of all antennas to be attached to this tower; equipment building, access road, utility line, and security fence; site clearing and tree trimming; and water drainage and erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sedimentation Control, as amended.
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. 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.
8. The Certificate Holder shall notify the Council upon completion of construction and provide the final cost to construct the facility.

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 New Haven Register and Beth-Wood News.

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

Springwich Cellular Limited Partnership

ITS REPRESENTATIVES

Peter J. Tyrrell, Esq.
Springwich Cellular Limited Partnership
227 Church Street
New Haven, CT 06510

INTERVENOR

Metro Mobile CTS of Hartford, Inc.

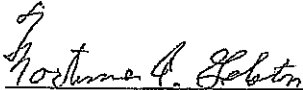
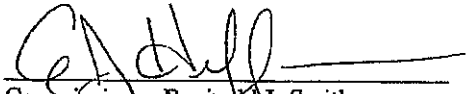
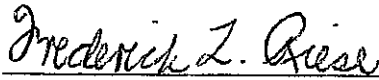
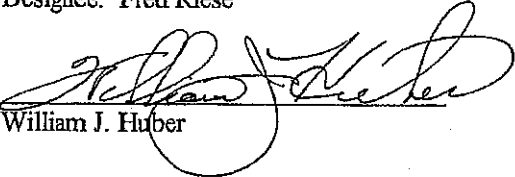
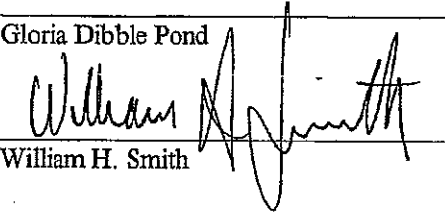
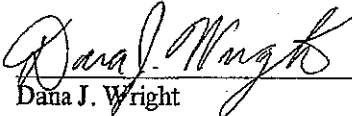
ITS REPRESENTATIVES

Metro Mobile CTS of Hartford, Inc.
20 Alexander Drive
Wallingford, CT 06492
Attn: David S. Malko, P.E., Manager
Engineering & Regulatory Services

Robinson & Cole
One Commercial Plaza
Hartford, CT 06103-3597
Attn: Brian C.S. Freeman, Esq.

CERTIFICATION

The Undersigned members of the Connecticut Siting Council (Council) hereby certify that they have heard this case, or read the record thereof, in Docket No. 168 - An application of Springwiche Cellular Limited Partnership for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications facility located on the former site of the Bethany Airport, 719 Amity Road (Route 63) in Bethany, Connecticut, and voted as follows:

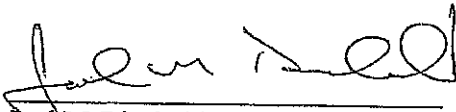
<u>Council Members</u>	<u>Vote Cast</u>
 Mortimer A. Gelston Chairman	YES
 Commissioner Reginald J. Smith Designee: Gerald J. Heffernan	YES
 Commissioner Sidney J. Holbrook Designee: Fred Riese	YES
 William J. Huber	YES
Gloria Dibble Pond	ABSENT
 William H. Smith	YES
Colin C. Tait	ABSTAIN
Edward S. Wilensky	ABSENT
 Dana J. Wright	YES

Dated at New Britain, Connecticut, July 6, 1995.

STATE OF CONNECTICUT }
ss. New Britain, Connecticut }
COUNTY OF HARTFORD
STATE OF CONNECTICUT } July 7, 1995

I hereby certify that the foregoing is a true and correct copy of the Findings of Fact, Opinion, and Decision and Order issued by the Connecticut Siting Council, State of Connecticut.

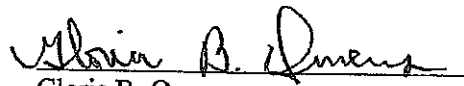
ATTEST:



Joel M. Rinebold
Executive Director
Connecticut Siting Council

I certify that a copy of the Findings of Fact, Opinion, and Decision and Order in Docket No. 168 have been forwarded by Certified First Class Return Receipt Requested mail on July 7, 1995, to all parties and intervenors of record as listed on the attached service list, dated April 10, 1995.

ATTEST:



Gloria B. Owens
Administrative Assistant
Connecticut Siting Council

Exhibit B

Property Card

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



Information on the Property Records for the Municipality of Bethany was last updated on 12/16/2020.

Parcel Information

Location:	755 AMITY RD	Property Use:	Public Use	Primary Use:	Fire Station - Volunteer
Unique ID:	00016500	Map Block Lot:	117/1	Acres:	138.50
490 Acres:	0.00	Zone:	B&I	Volume / Page:	0044/0306
Developers Map / Lot:		Census:			

Value Information

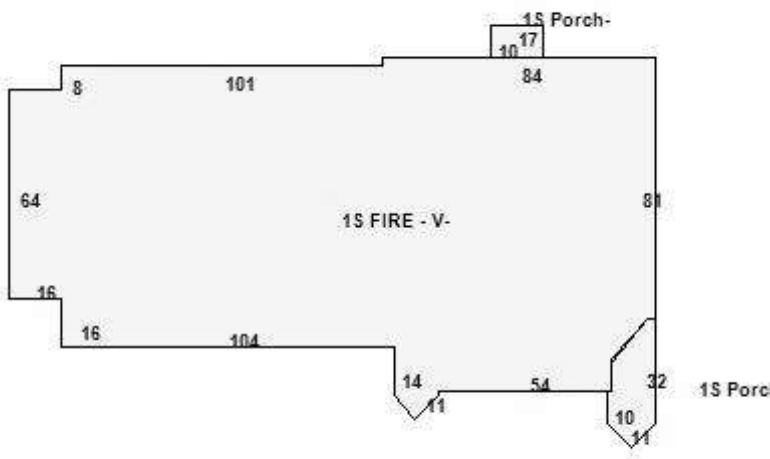
	Appraised Value	Assessed Value
Land	1,421,200	994,840
Buildings	1,878,616	1,315,030
Detached Outbuildings	150,924	105,650
Total	3,450,740	2,415,520

Owner's Information

Owner's Data

BETHANY TOWN OF
40 PECK RD
BETHANY CT 06524

Building 1



Category:	Public Use	Use:	Fire Station - Volunteer	Stories:	1.00
Above Grade:	18,387	Below Grade:	0	Below Grade Finish:	0
Construction:	Average	Year Built:	1996	Heating:	FHA

Fuel:	Oil	Cooling Percent:	100%	Siding:	Vinyl
Roof Material:	Asphalt	Beds/Units:	0		

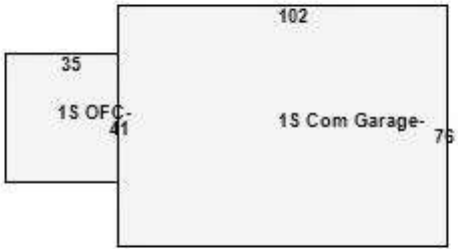
Special Features

Extra Plumbing Fixtures	6
-------------------------	---

Attached Components

Type:	Year Built:	Area:
Open Porch	2008	170
Open Porch	2008	460

Building 2



Category:	Automotive	Use:	Commercial Garage	Stories:	1.00
Above Grade:	9,187	Below Grade:	0	Below Grade Finish:	0
Construction:	Low Cost	Year Built:	2008	Heating:	
Fuel:		Cooling Percent:	20%	Siding:	
Roof Material:		Beds/Units:	0		

Special Features

Attached Components

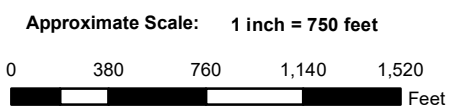
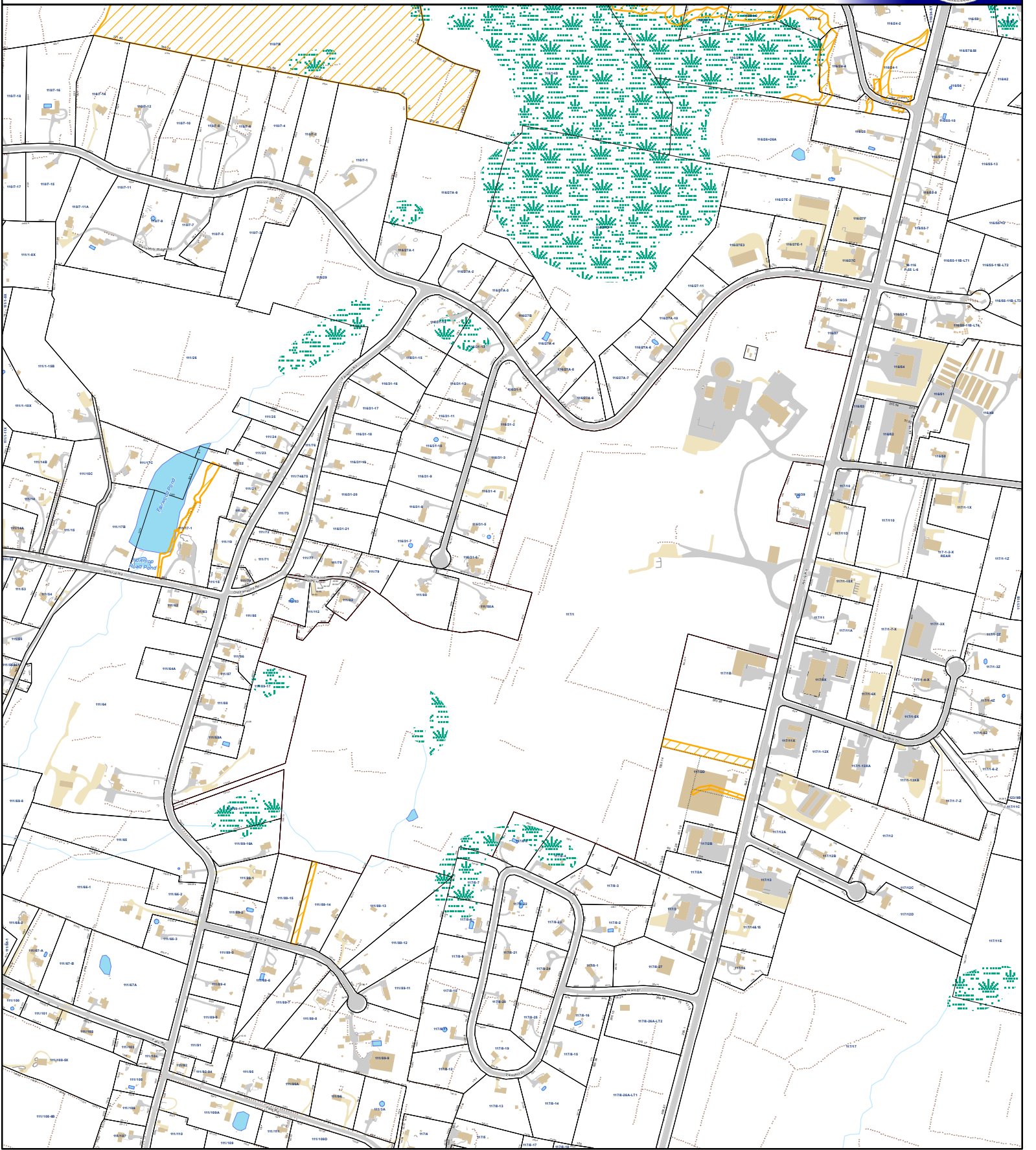
Detached Outbuildings

Type:	Year Built:	Length:	Width:	Area:
Paving	1996			40,000
Average Shed	2003			6,320
Average Shed	1996			3,000
Average Shed	1979			600
Frame Shed	2003			310

Information Published With Permission From The Assessor

Town of Bethany, Connecticut Assessment Parcel Map

Parcel: 00016500
Address: 755 AMITY RD



Map Produced: Jul 2020

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

Exhibit C

Construction Drawings



AT&T SITE NUMBER:
AT&T SITE NAME:
AT&T FA CODE:
AT&T PACE NUMBER:

CTL02162
BETHANY
10035070
MRCTB046652 MRCTB046766 MRCTB046514
MRCTB046881 MRCTB046607
2C, 3C, 4C, 5G NR

BUSINESS UNIT #:
SITE ADDRESS:
COUNTY:
SITE TYPE:
TOWER HEIGHT:

841295
719 AMITY ROAD
BETHANY, CT 06524
NEW HAVEN
MONOPOLE
150'-0"



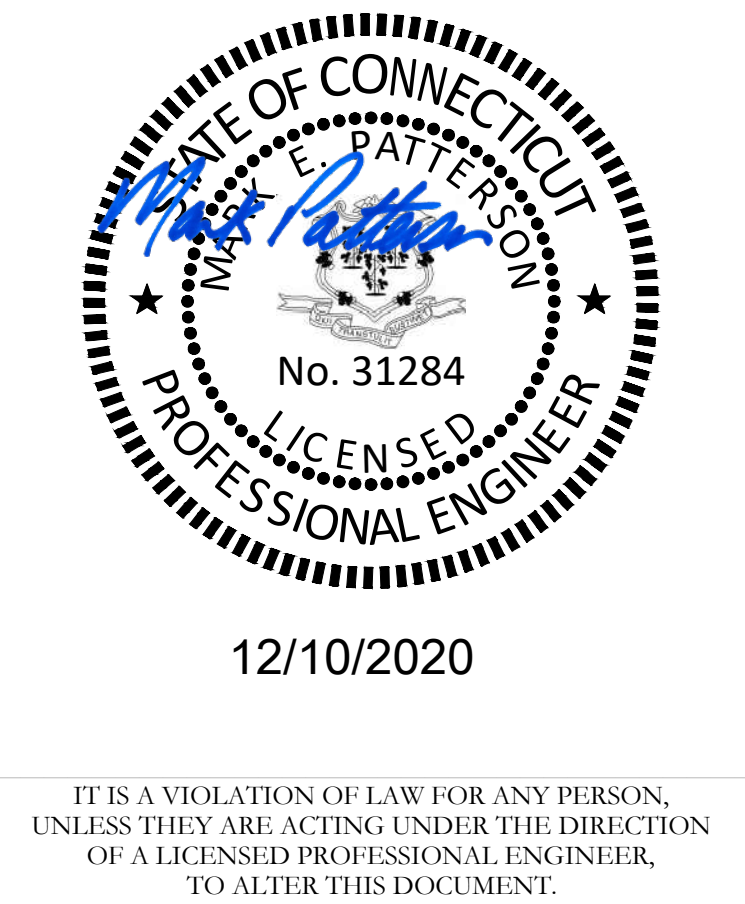
AT&T SITE NUMBER:
CTL02162

BU #: 841295
BETHANY

719 AMITY ROAD
BETHANY, CT 06524

EXISTING 150'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/11/20	AJ	PRELIMINARY	RO
B	05/21/20	AJ	PRELIMINARY	RO
0	06/16/20	MJ	CONSTRUCTION	JL
1	10/08/20	MJ	CONSTRUCTION	JL
2	12/10/2020	EW	CONSTRUCTION	MEP



SHEET NUMBER:
T-1

REVISION:
2

SITE INFORMATION	
CROWN CASTLE USA INC. SITE NAME:	BETHANY
SITE ADDRESS:	719 AMITY ROAD BETHANY, CT 06524
COUNTY:	NEW HAVEN
MAP/PARCEL #:	BETH-000117-000000-000001-016500
AREA OF CONSTRUCTION:	EXISTING
LATTITUDE:	41° 26' 33.93"
LONGITUDE:	-72° 59' 32.86"
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	743 FT.
CURRENT ZONING:	B-1
JURISDICTION:	TOWN OF BETHANY
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	TOWN OF BETHANY CT 40 PECK RD ATTN: FIRST SELECTMAN'S OFFICE BETHANY, CT 06524
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	AT&T TOWER ASSET GROUP 575 MOROSGO DRIVE ATLANTA, GA 30324-3300
ELECTRIC PROVIDER:	NORTHEAST UTILITIES (800) 286-2000
TELCO PROVIDER:	LIGHTOWER (845) 458-7720

DRAWING INDEX	
SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	SITE PLAN
C-1.2	EQUIPMENT ROOM LAYOUT PLAN
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	FINAL EQUIPMENT SCHEDULE
C-4	MOUNTING ELEVATION & EQUIPMENT SPECS
C-5	EQUIPMENT SPECS
G-1	GROUNDING SCHEMATIC
G-2	GROUNDING DETAILS
ATTACHED	PLUMBING DIAGRAM
ATTACHED	MOUNT MODIFICATION DESIGN
ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11X17. 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.	
 CALL CONNECTICUT ONE CALL (800) 922-4455 CBYD.COM CALL 2 WORKING DAYS BEFORE YOU DIG!	



PROJECT TEAM	
A&E FIRM:	POD 11490 BLUEGRASS PARKWAY LOUISVILLE, KY 40299 (502) 437-5252
CROWN CASTLE USA INC. DISTRICT CONTACTS:	10300 ORMSBY PARK PLACE, SUITE 501 LOUISVILLE, KY 40223 VERONICA DELIA - PROJECT MANAGER (610) 635-3222 JASON D'AMICO - CONSTRUCTION MANAGER (860) 209-0104 NICHOLAS ROMBACH - A&E SPECIALIST NICHOLAS.ROMBACH@CROWNCASTLE.COM

PROJECT DESCRIPTION
THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.
TOWER SCOPE OF WORK: • REMOVE (6) KMW COMMUNICATIONS - AM-X-CD-16-65-00T-RET ANTENNAS • REMOVE (3) ERICSSON - RRUS-11 B12 RRUs • INSTALL (3) CCI ANTENNAS - OPA65R-BU6D ANTENNAS • INSTALL (3) CCI ANTENNAS - DMP65R-BU6D ANTENNAS • INSTALL (3) VALMONT - RRUDSM DUAL SWIVEL MOUNTS • INSTALL (3) 2-1/2" SCH 40 (2-7/8" O.D.) BY 6'-0" LONG GALV. PIPES W/ CROSSOVER HARDWARE • INSTALL (3) 2-1/2" SCH 40 (2-7/8" O.D.) BY 8'-0" LONG GALV. PIPES W/ CROSSOVER HARDWARE • INSTALL (3) ERICSSON - 4449 B5/B12 RRUs • INSTALL (3) ERICSSON - 8843 B2/B66A RRUs • INSTALL (3) ERICSSON - 4478 B14 RRUs • INSTALL (2) RAYCAP - DC6-48-60-18-8C-EV SQUIDS • INSTALL (2) FIBER CABLES • INSTALL (4) #6 AWG DC CABLES • INSTALL MOUNT MODIFICATIONS PER MOUNT MODIFICATION DESIGN BY POD GROUP DATED AUGUST 13, 2020
GROUND SCOPE OF WORK: • INSTALL (2) 6630 5G RBS + IDLe • INSTALL (1) NESTURE 7100 POWER PLANT • INSTALL (1) DC12 • INSTALL (2) FIBER MANAGEMENT BOXES
INSTALLER NOTE: NO PROPOSED LOADING TO BE ADDED UNTIL MOUNT MODIFICATIONS ARE INSTALLED PER MOUNT MODIFICATION DESIGN BY POD GROUP DATED AUGUST 13, 2020.

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	2018 CT STATE BUILDING CODE/2015 IBC W/ CT AMENDMENTS
MECHANICAL	2018 CT STATE BUILDING CODE/2015 IMC W/ CT AMENDMENTS
ELECTRICAL	2018 CT STATE BUILDING CODE/2017 NEC W/ CT AMENDMENTS
REFERENCE DOCUMENTS:	
STRUCTURAL ANALYSIS:	B+T GROUP
DATED:	MAY 15, 2020
MOUNT MODIFICATION REPORT:	POD GROUP
DATED:	AUGUST 13, 2020
RFDS REVISION:	2.00
DATED:	04/21/20
ORDER ID:	517062
REVISION:	0
NOTE: PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER.	

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

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

GREENFIELD GROUNDING NOTES:

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

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
CARRIER: AT&T
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/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL–CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID–TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID–TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION–TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON–PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (I.E. POWDER–ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY–COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY–COATED OR NON–CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "AT&T".
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

APWA UNIFORM COLOR CODE:

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



AT&T SITE NUMBER:
CTL02162

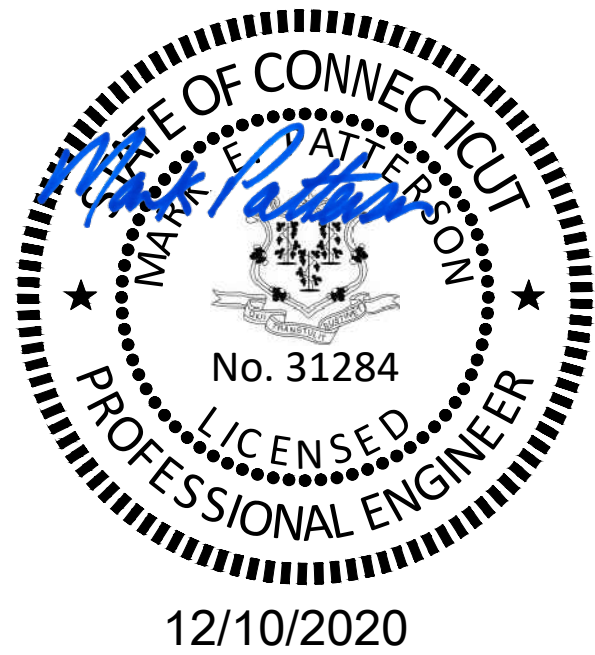
BU #: 841295
BETHANY

719 AMITY ROAD
BETHANY, CT 06524

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/11/20	AJ	PRELIMINARY	RO
B	05/21/20	AJ	PRELIMINARY	RO
0	06/16/20	MJ	CONSTRUCTION	JL
1	10/08/20	MJ	CONSTRUCTION	JL
2	12/10/2020	EW	CONSTRUCTION	MEP



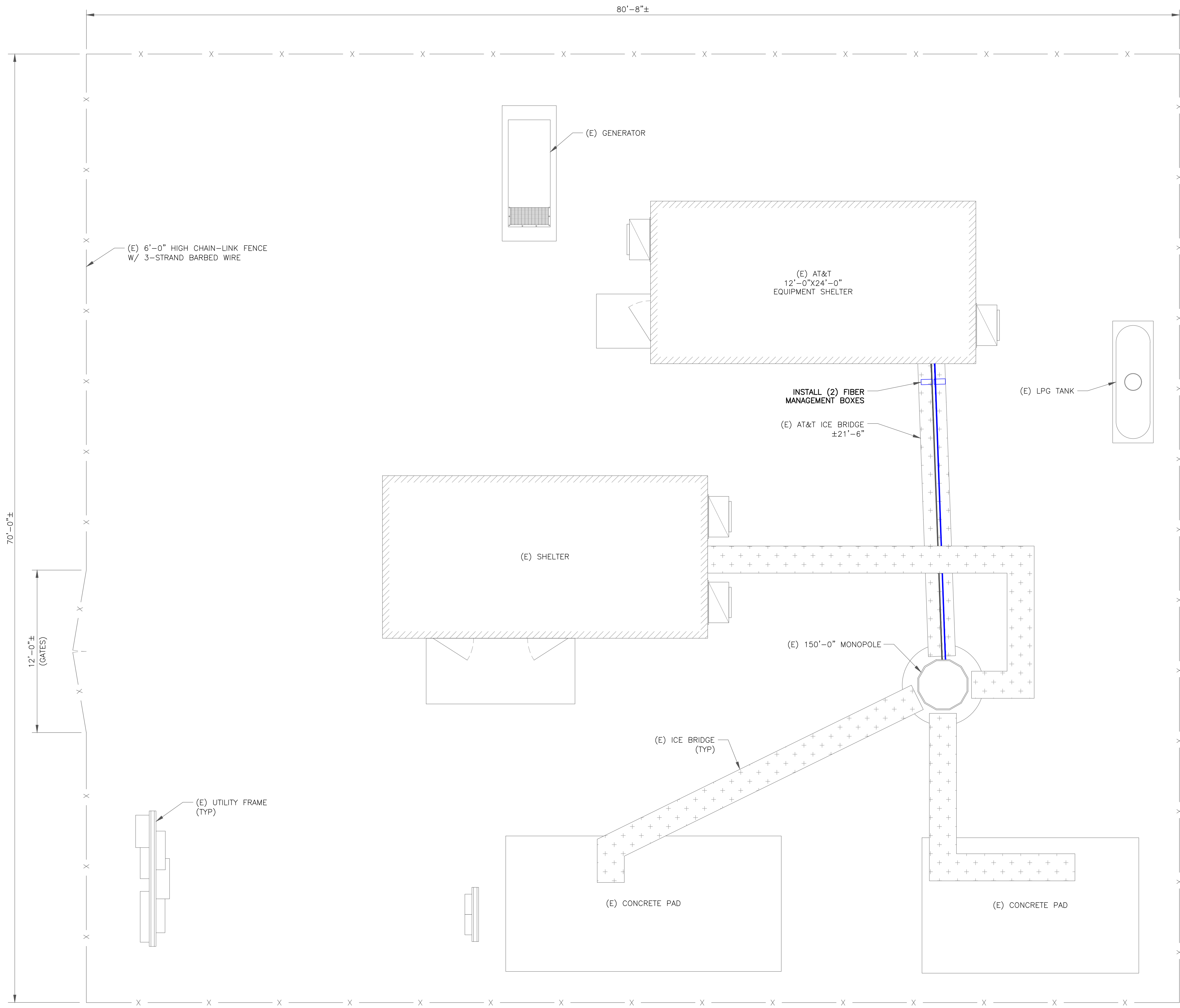
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER:

T-2

REVISION:

2



GROUND SCOPE OF WORK:

- INSTALL (2) 6630 5G RBS + IDLe
- INSTALL (1) NETSURE 7100 POWER PLANT
- INSTALL (1) DC-12 SURGE SUPPRESSION UNIT
- INSTALL (2) FIBER MANAGEMENT BOXES



575 MOROSGO DRIVE
ATLANTA, GA 30324-3300



10300 ORMSBY PARK PLACE, SUITE 501
LOUISVILLE, KY 40223



11490 BLUEGRASS PKWY
LOUISVILLE, KY 40299
502-437-5252

AT&T SITE NUMBER:
CTL02162

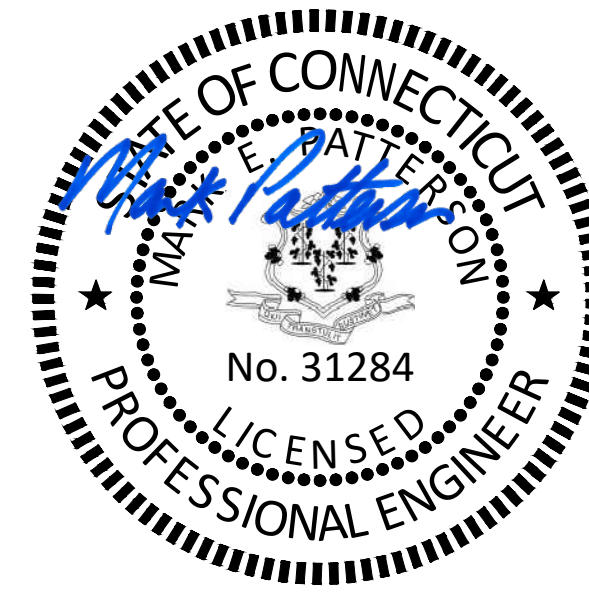
BU #: **841295**
BETHANY

719 AMITY ROAD
BETHANY, CT 06524

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/11/20	AJ	PRELIMINARY	RO
B	05/21/20	AJ	PRELIMINARY	RO
0	06/16/20	MJ	CONSTRUCTION	JL
1	10/08/20	MJ	CONSTRUCTION	JL
2	12/10/2020	EW	CONSTRUCTION	MEP



12/10/2020

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:

C-1.1

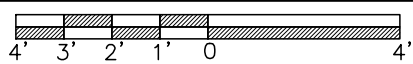
REVISION:

2

1

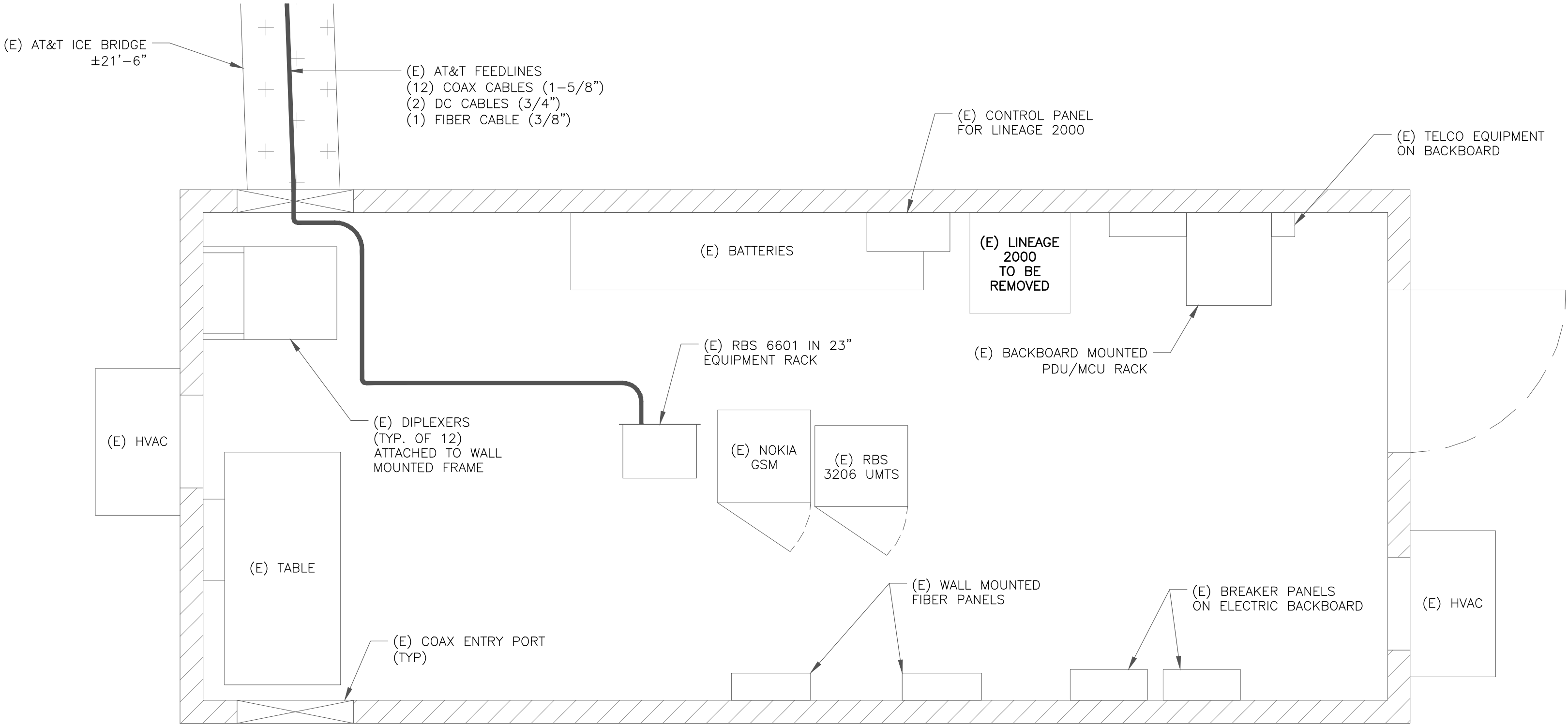
SITE PLAN

SCALE:

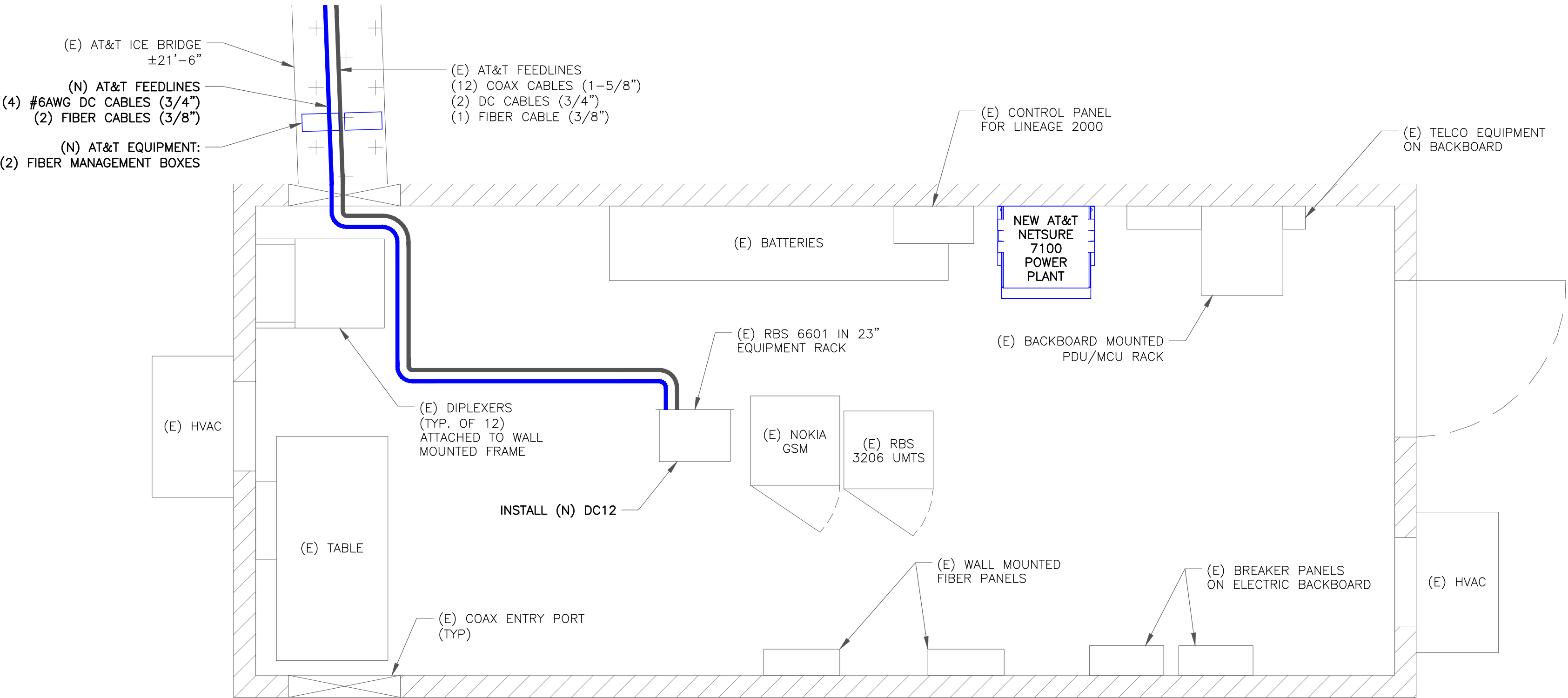


1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)





1 EXISTING EQUIPMENT PLAN
SCALE: 3/4"=1'-0" (FULL SIZE)
3/8"=1'-0" (11x17)



- GROUND SCOPE OF WORK:
- INSTALL (2) 6630 5G RBS + IDLe
 - INSTALL (1) NETSURE 7100 POWER PLANT
 - INSTALL (1) DC12
 - INSTALL (2) FIBER MANAGEMENT BOXES

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/11/20	AJ	PRELIMINARY	RO
B	05/21/20	AJ	PRELIMINARY	RO
0	06/16/20	MJ	CONSTRUCTION	JL
1	10/08/20	MJ	CONSTRUCTION	JL
2	12/10/2020	EW	CONSTRUCTION	MEP



12/10/2020

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:

C-1.2

REVISION:

2

2 FINAL EQUIPMENT PLAN
SCALE: 3/4"=1'-0" (FULL SIZE)
3/8"=1'-0" (11x17)

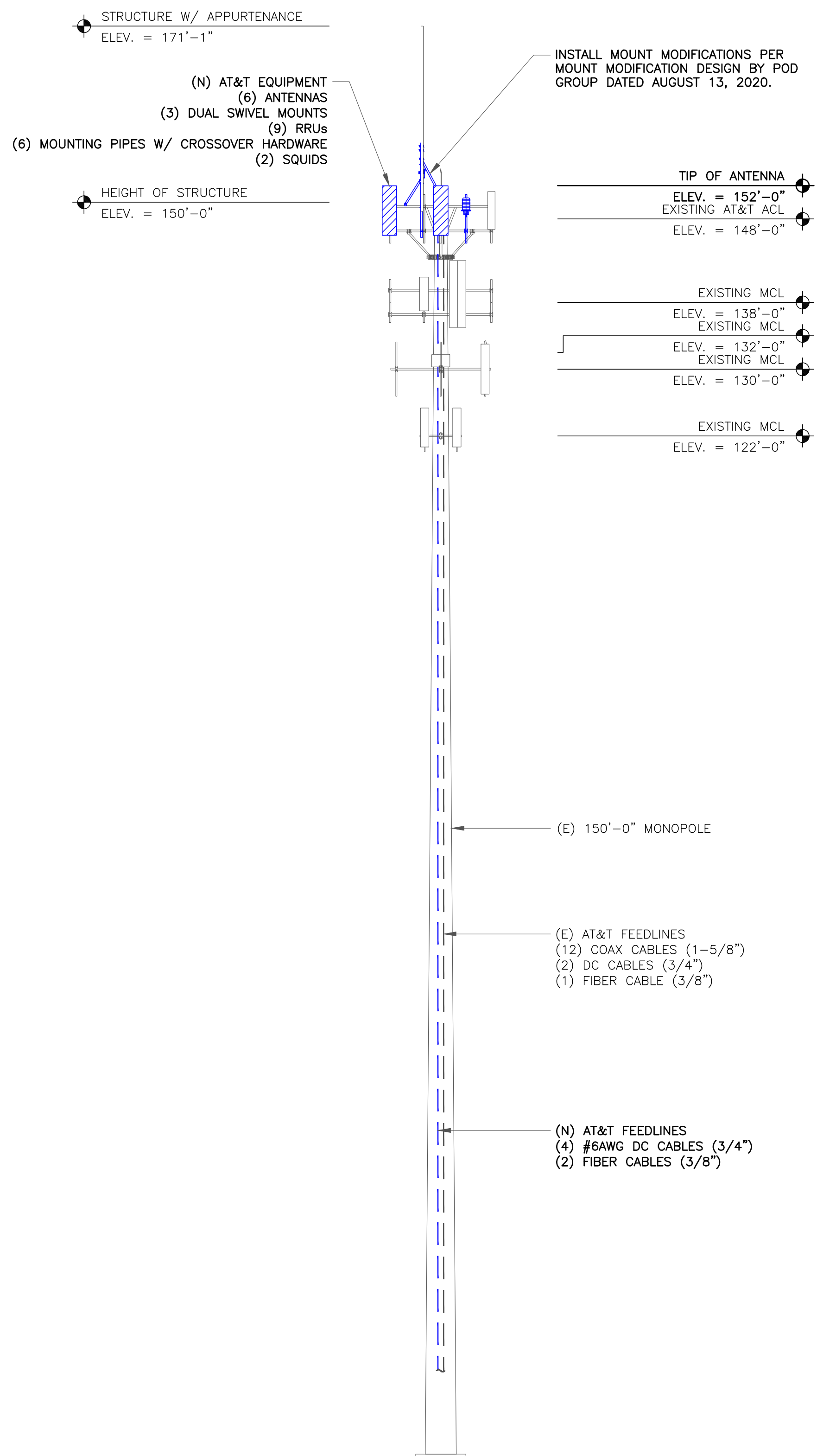


AT&T SITE NUMBER:
CTL02162

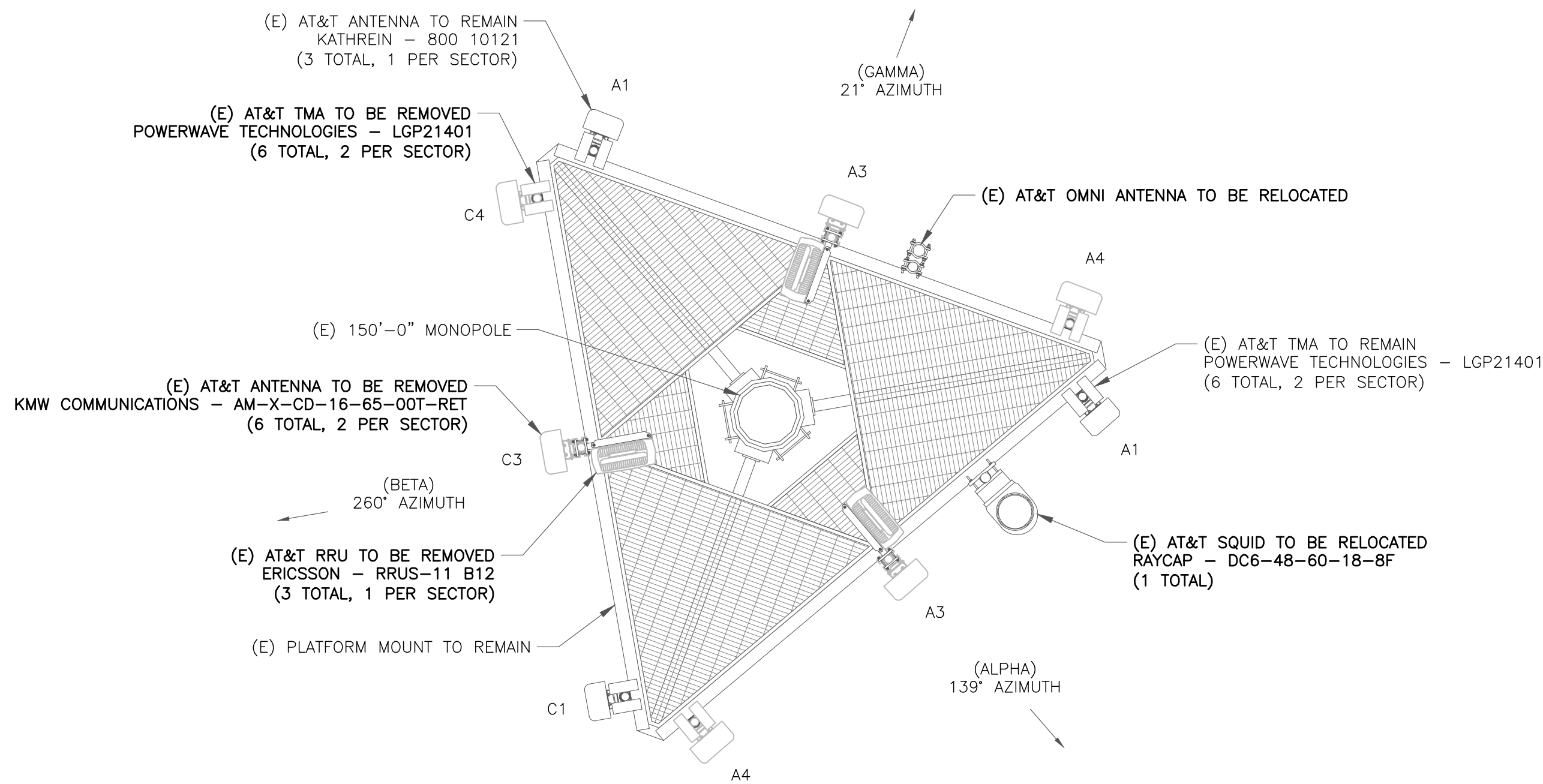
BU #: 841295
BETHANY

719 AMITY ROAD
BETHANY, CT 06524

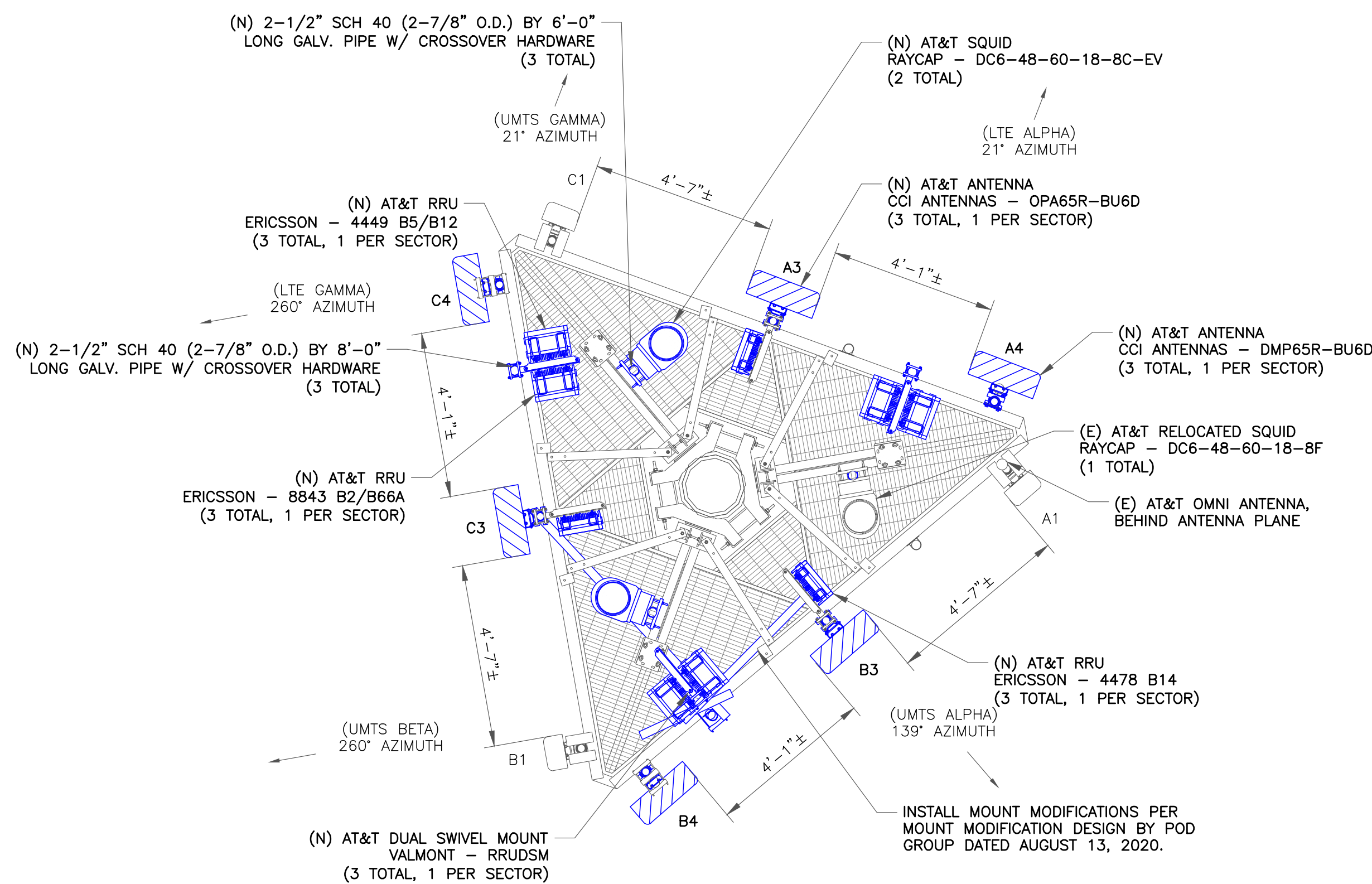
EXISTING 150'-0" MONOPOLE



1 FINAL ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: 3/8"=1'-0" (FULL SIZE)
3/16"=1'-0" (11x17)



3 FINAL ANTENNA PLAN
SCALE: 3/8"=1'-0" (FULL SIZE)
3/16"=1'-0" (11x17)

"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.

NOTES:

1. REFERENCE C-3 FOR FINAL EQUIPMENT SCHEDULE.
2. REFERENCE C-4 FOR NEW EQUIPMENT SPECIFICATIONS.
3. CONTRACTOR TO VERIFY ALL ANTENNA TIP HEIGHTS DO NOT EXCEED BEACON BASE HEIGHT.
4. CONTRACTOR TO FIELD VERIFY A MINIMUM DISTANCE OF 8" FROM ANY RRH TO THE BACK OF NEW ANTENNA PANELS.

INSTALLER NOTES:

1. ALL 700MHz ANTENNAS MUST BE A MINIMUM OF 3'-0" APART FROM OTHER 700MHz ANTENNAS ON THE SAME SECTOR.
2. ALL 700MHz ANTENNAS ON ADJACENT SECTORS MUST BE A MINIMUM OF 4'-0" APART, MEASURED EDGE TO EDGE FROM THE ANTENNAS' BACKPLANES.



AT&T SITE NUMBER:
CTL02162

BU #: 841295
BETHANY

719 AMITY ROAD
BETHANY, CT 06524

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/11/20	AJ	PRELIMINARY	RO
B	05/21/20	AJ	PRELIMINARY	RO
0	06/16/20	MJ	CONSTRUCTION	JL
1	10/08/20	MJ	CONSTRUCTION	JL
2	12/10/2020	EW	CONSTRUCTION	MEP



12/10/2020

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:

C-2

REVISION:

2

FINAL EQUIPMENT SCHEDULE (VERIFY WITH CURRENT RFDS)																			
ALPHA																			
POSITION	ANTENNA				RADIO			DIPLEXER			TMA		SURGE PROTECTION		CABLES				
	TECH.	STATUS/MANUFACTURER	MODEL	AZIMUTH	RAD CENTER	QTY.	STATUS/MODEL	LOCATION	QTY.	STATUS	LOCATION	QTY.	STATUS	QTY.	STATUS/MODEL	QTY.	STATUS/TYPE	SIZE	LENGTH
A1	UMTS	(E) KATHREIN	800 10121	139°	151'–0"	–	–	–	2	(E)	GROUND	2	(E)	–	–	2	(E) COAX	1–5/8"	199'–0"
A2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	(E) COAX	1–5/8"	199'–0"
A3	LTE	(N) CCI ANTENNAS OPA65R–BU6D	21°	151'–0"	1	(N) 4478 B14	TOWER	–	–	–	–	–	1	(E) DC6–48–60–18–8F	2	(E) #8AWG DC	3/4"	199'–0"	
															1	(E) FIBER	3/8"	199'–0"	
A4	LTE 5G	(N) CCI ANTENNAS DMP65R–BU6D	21°	151'–0"	1	(N) 8843 B2/B66A	TOWER	–	–	–	–	–	2	(N) DC6–48–60–18–8C–EV	4	(N) #6AWG DC	3/4"	199'–0"	
					1	(N) 4449 B5/B12	TOWER								2	(N) FIBER	3/8"	199'–0"	
BETA																			
B1	UMTS	(E) KATHREIN	800 10121	260°	151'–0"	–	–	–	2	(E)	GROUND	2	(E)	–	–	2	(E) COAX	1–5/8"	199'–0"
B2	–	(E) OMNI	–	–	–	–	–	–	–	–	–	–	–	–	–	2	(E) COAX	1–5/8"	199'–0"
B3	LTE	(N) CCI ANTENNAS OPA65R–BU6D	139°	151'–0"	1	(N) 4478 B14	TOWER	–	–	–	–	–	–	–	–	–	–	–	–
B4	LTE 5G	(N) CCI ANTENNAS DMP65R–BU6D	139°	151'–0"	1	(N) 8843 B2/B66A	TOWER	–	–	–	–	–	–	–	–	–	–	–	–
					1	(N) 4449 B5/B12	TOWER												
GAMMA																			
C1	UMTS	(E) KATHREIN	800 10121	21°	151'–0"	–	–	–	2	(E)	GROUND	2	(E)	–	–	2	(E) COAX	1–5/8"	199'–0"
C2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	(E) COAX	1–5/8"	199'–0"
C3	LTE	(N) CCI ANTENNAS OPA65R–BU6D	260°	151'–0"	1	(N) 4478 B14	TOWER	–	–	–	–	–	–	–	–	–	–	–	–
C4	LTE 5G	(N) CCI ANTENNAS DMP65R–BU6D	260°	151'–0"	1	(N) 8843 B2/B66A	TOWER	–	–	–	–	–	–	–	–	–	–	–	–
					1	(N) 4449 B5/B12	TOWER												

NOTE:
(E) – EXISTING
(N) – NEW



AT&T

575 MOROSGO DRIVE
ATLANTA, GA 30324-3300



CROWN
CASTLE

10300 ORMSBY PARK PLACE, SUITE 501
LOUISVILLE, KY 40223



POD

POWER OF DESIGN

11490 BLUEGRASS PKWY
LOUISVILLE, KY 40299
502-437-5252

AT&T SITE NUMBER:
CTL02162

BU #: 841295
BETHANY

719 AMITY ROAD
BETHANY, CT 06524

EXISTING 150'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/11/20	AJ	PRELIMINARY	RO
B	05/21/20	AJ	PRELIMINARY	RO
0	06/16/20	MJ	CONSTRUCTION	JL
1	10/08/20	MJ	CONSTRUCTION	JL
2	12/10/2020	EW	CONSTRUCTION	MEP

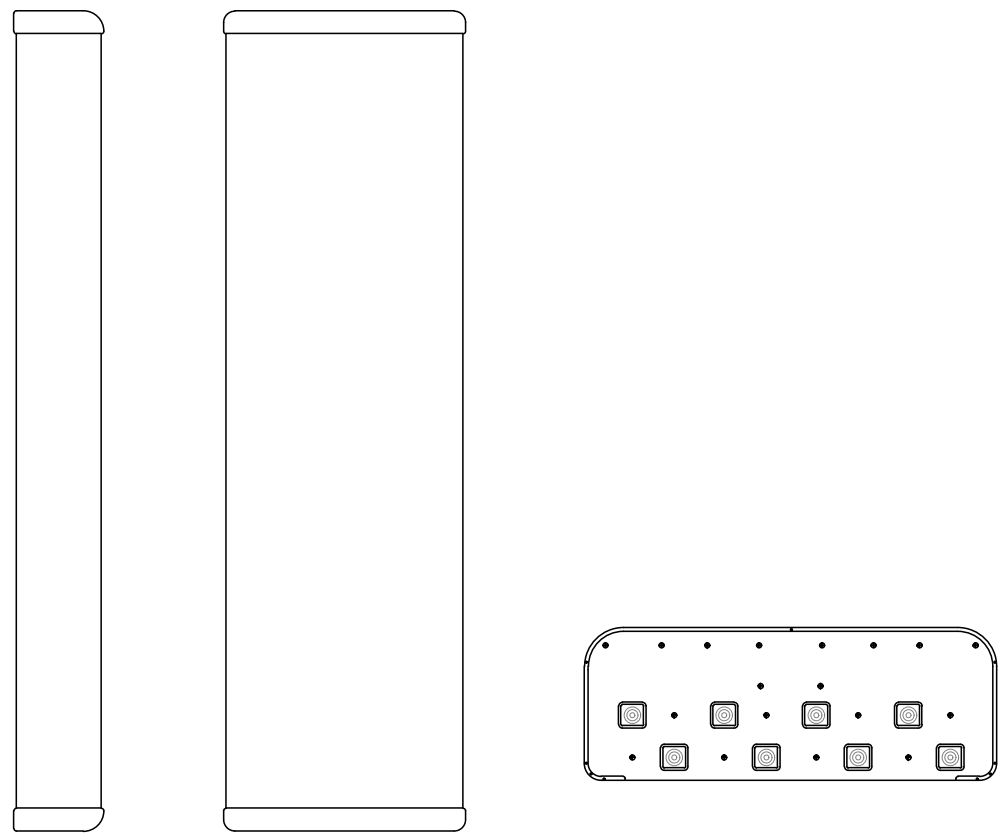


12/10/2020

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.

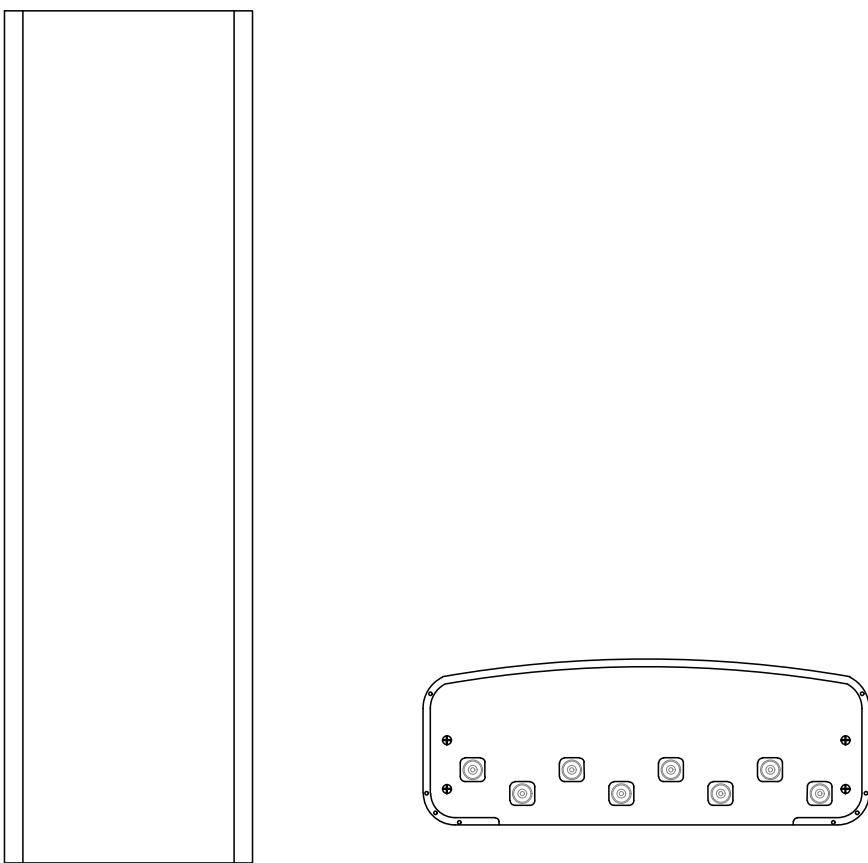
SHEET NUMBER:
C-3

REVISION:
2



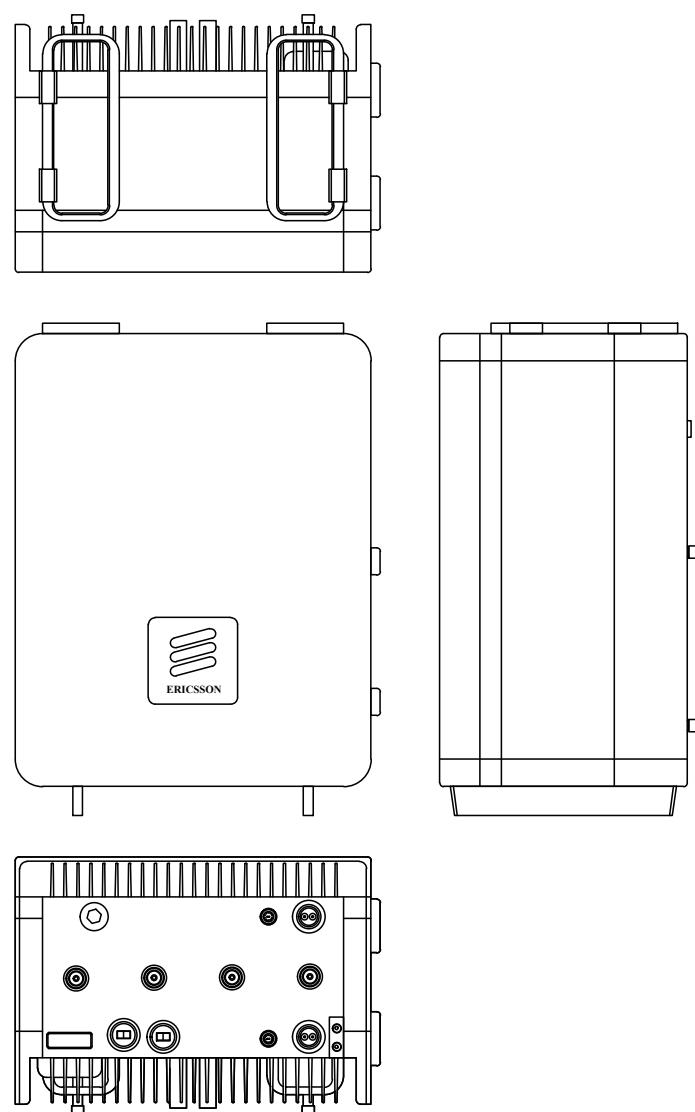
CCI ANTENNAS – OPA65R–BU6D
WEIGHT (WITHOUT MOUNTING HARDWARE): 60.2 LBS
SIZE (HxWxD): 71.2x21.0x7.8 IN.
MOUNTING HARDWARE P/N: MBK–01
RATED WIND VELOCITY: 150.0 MPH

1 CCI ANTENNAS – OPA65R–BU6D
SCALE: NOT TO SCALE



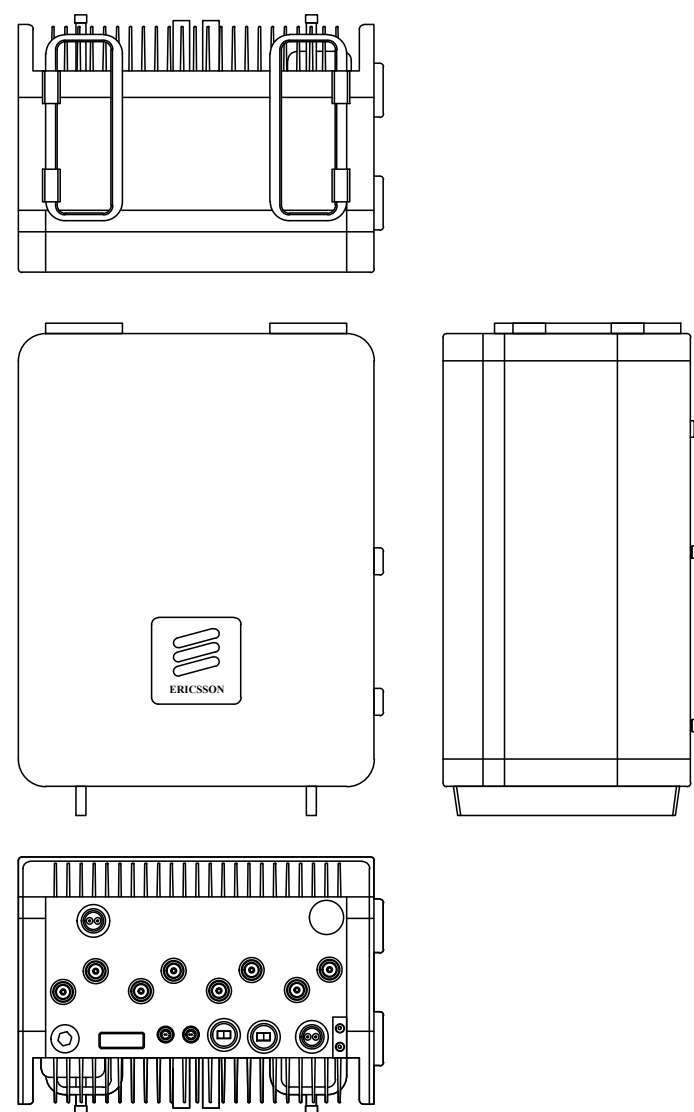
CCI ANTENNAS – DMP65R–BU8D
WEIGHT (WITHOUT MOUNTING HARDWARE): 95.7 LBS
SIZE (HxWxD): 96x20.7x7.7 IN.

2 CCI ANTENNAS – DMP65R–BU8D
SCALE: NOT TO SCALE



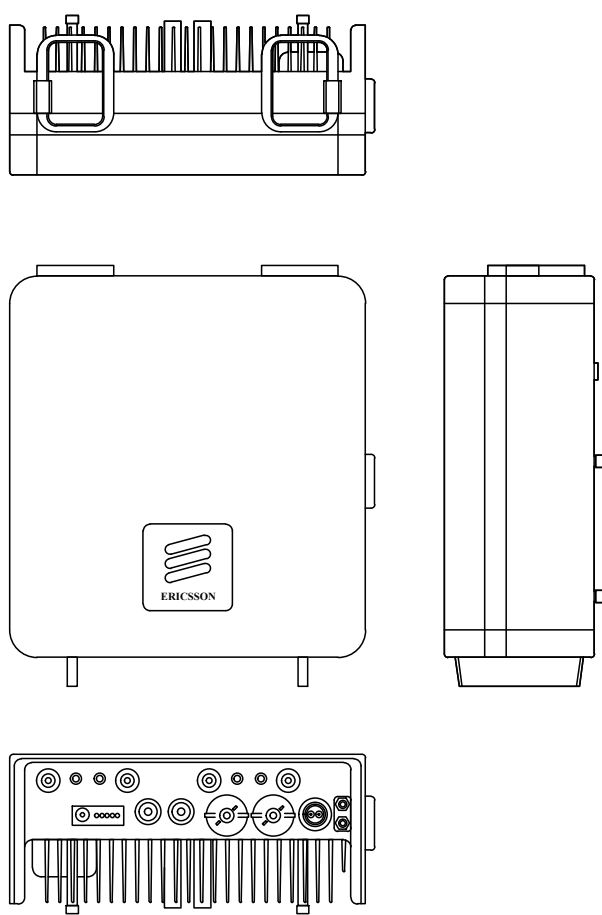
ERICSSON – RADIO 4449 B5/B12
WEIGHT: 70.0 LBS
SIZE (HxWxD): 18.0x13.2x9.4 IN.

3 ERICSSON – RADIO 4449 B5/B12
SCALE: NOT TO SCALE



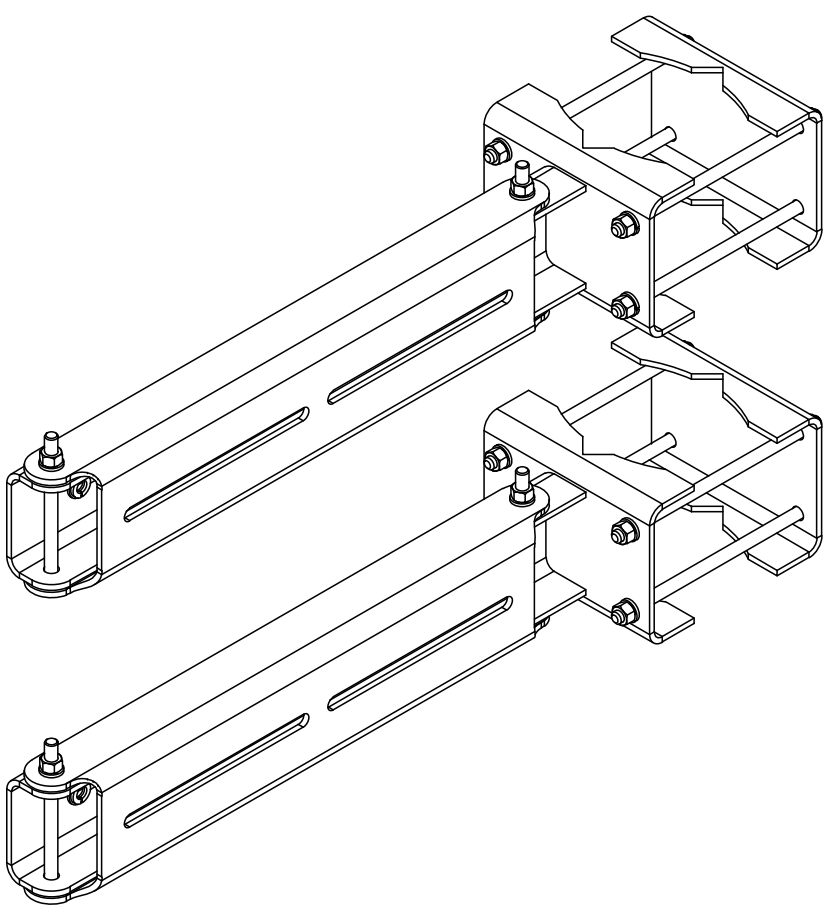
ERICSSON – RADIO 8843 B2/B66A
WEIGHT: 75.0 LBS
SIZE (HxWxD): 18.0x13.2x11.3 IN.

4 ERICSSON – RADIO 8843 B2/B66A
SCALE: NOT TO SCALE



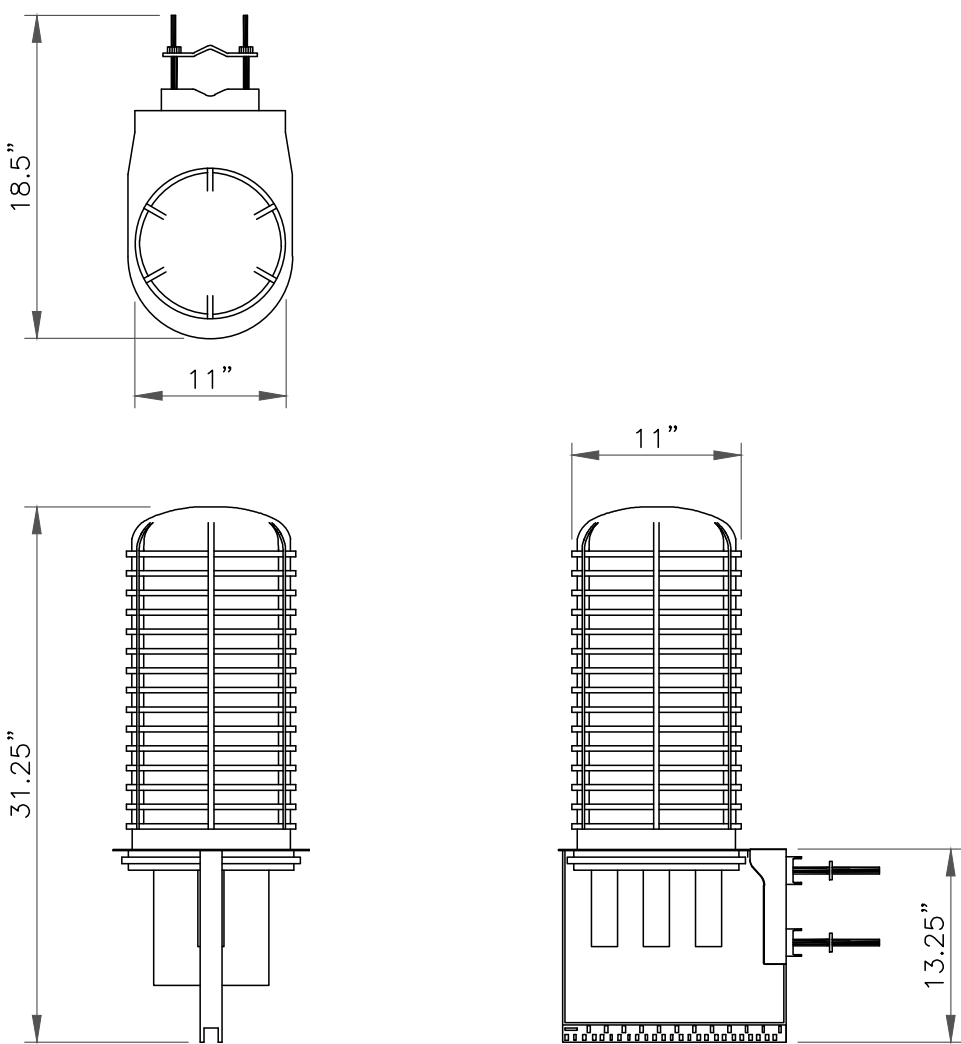
ERICSSON – RRUS 4478 B14
WEIGHT: 60.0 LBS
SIZE (HxWxD): 15.0x13.0x8.0 IN.

5 ERICSSON – RRUS 4478 B14
SCALE: NOT TO SCALE



VALMONT – RRUDSM
DUAL SWIVEL MOUNT KITS FOR RRUs
(2 SWIVEL MOUNTS PER KIT)

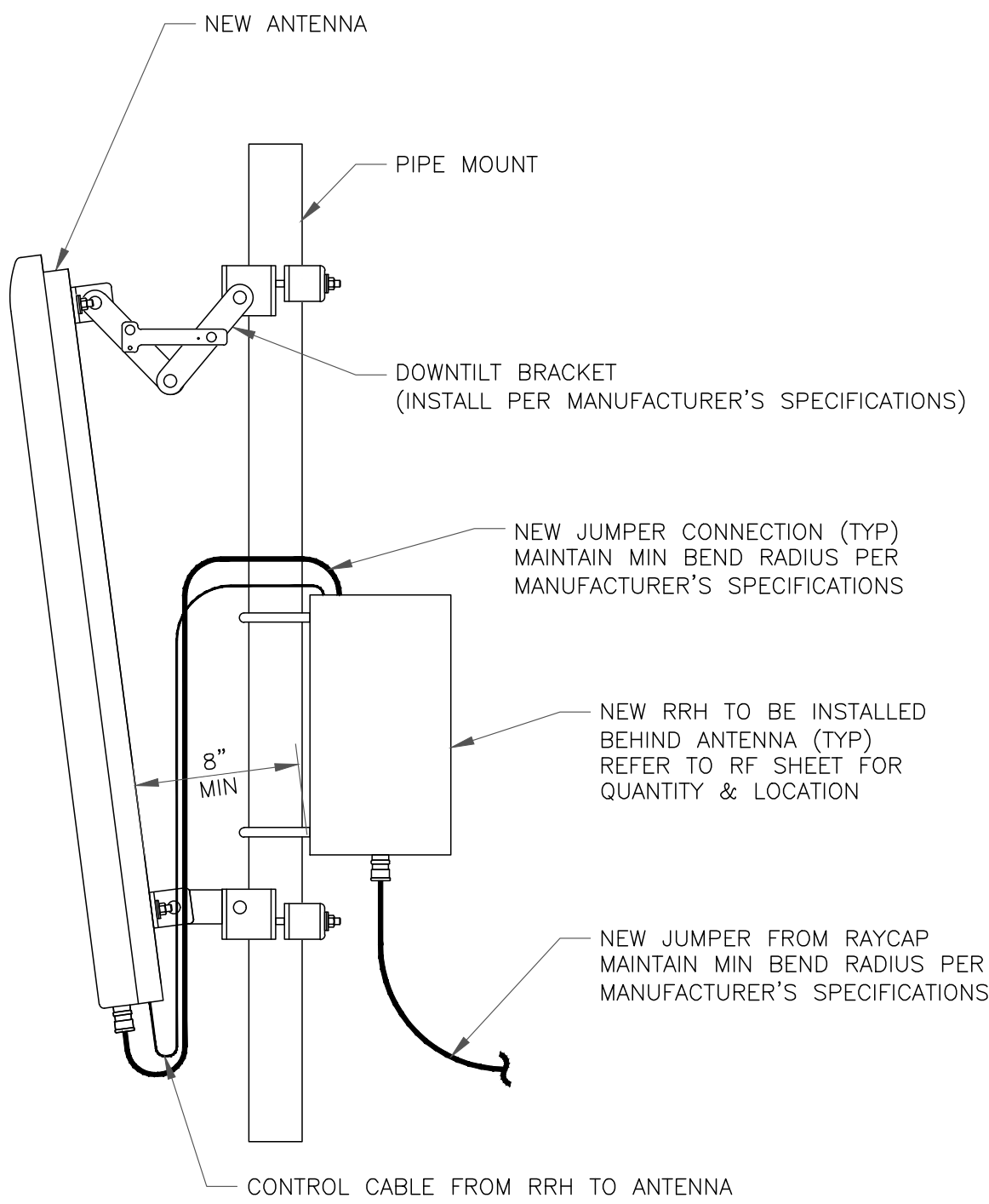
6 VALMONT – RRUDSM
SCALE: NOT TO SCALE



RAYCAP – DC6–48–60–0–8C–EV
SIZE: 11x31.25 IN.
WEIGHT: 32.8 LBS
NOMINAL OPERATING VOLTAGE: 48 VDC
VOLTAGE PROTECTION RATING: 400 V
WIND LOADING: 150 MPH SUSTAINED (105.7 LBS)
WIND LOADING: 195 MPH GUST (213.6 LBS)

CONTRACTOR TO USE "THREAD LUBRICANT" ON
MOUNTING BOLTS DURING INSTALLATION

7 RAYCAP – DC6–48–60–0–8C–EV
SCALE: NOT TO SCALE



8 GENERIC ANTENNA MOUNTING ELEVATION
SCALE: NOT TO SCALE



AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300



**CROWN
CASTLE**
10300 ORMSBY PARK PLACE, SUITE 501
LOUISVILLE, KY 40223



POD
POWER OF DESIGN
11490 BLUEGRASS PKWY
LOUISVILLE, KY 40299
502-437-5252

AT&T SITE NUMBER:
CTL02162

BU #: **841295**
BETHANY

719 AMITY ROAD
BETHANY, CT 06524

EXISTING 150'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/11/20	AJ	PRELIMINARY	RO
B	05/21/20	AJ	PRELIMINARY	RO
0	06/16/20	MJ	CONSTRUCTION	JL
1	10/08/20	MJ	CONSTRUCTION	JL
2	12/10/2020	EW	CONSTRUCTION	MEP

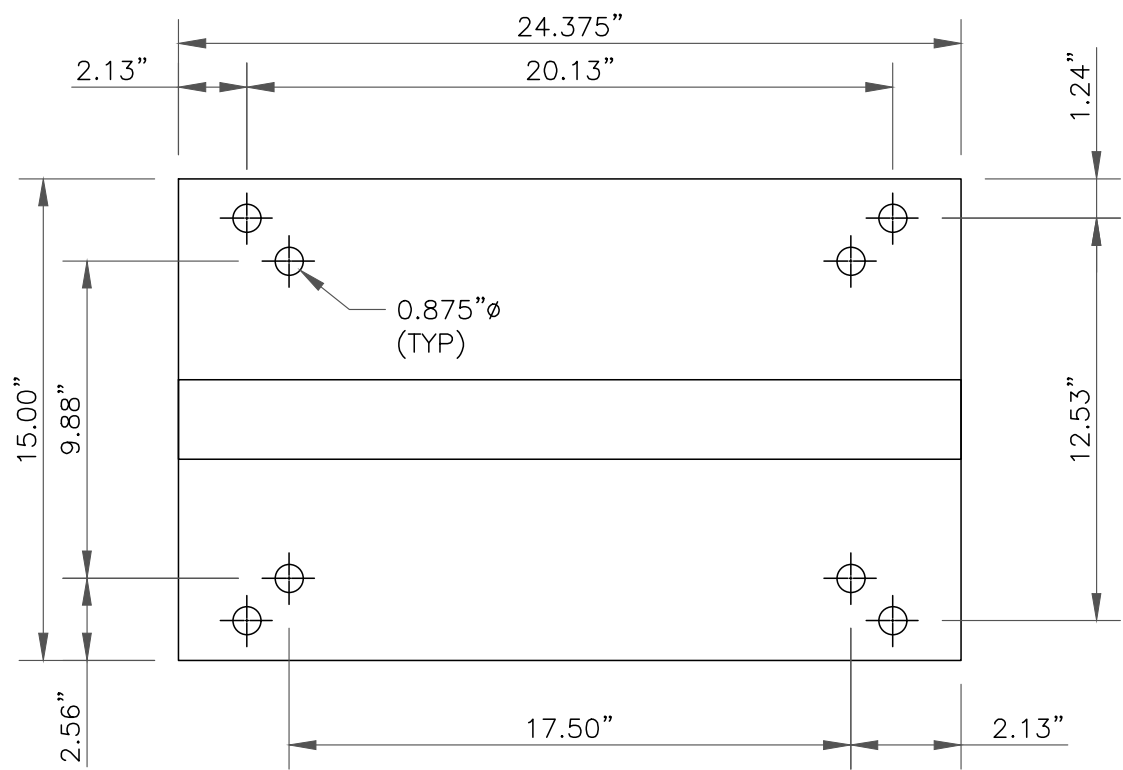


12/10/2020

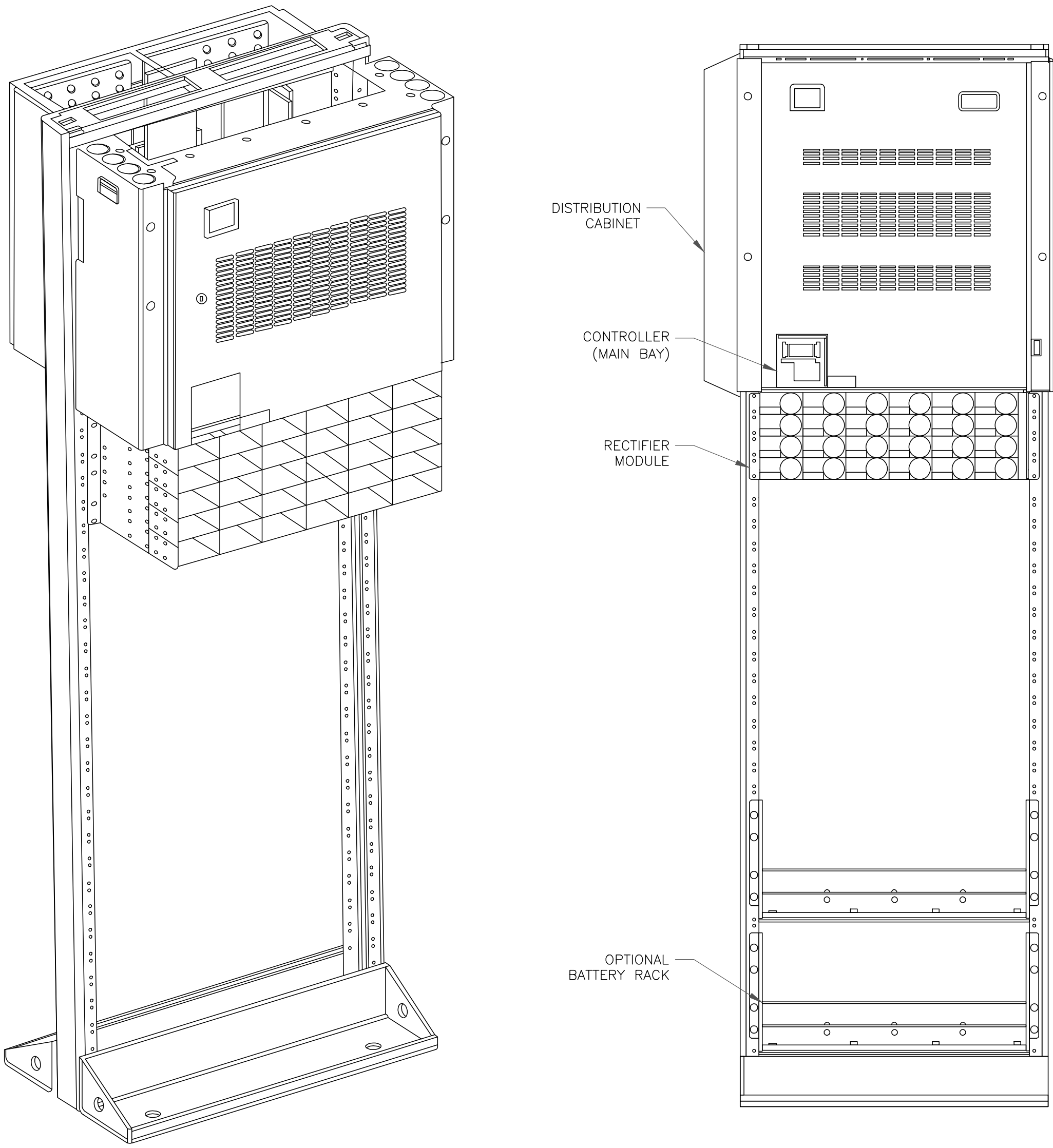
IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

SHEET NUMBER:
C-4

REVISION:
2



REFER TO SCOPE OF WORK ON SHEET C-1 FOR REQUIRED QUANTITY OF RECTIFIERS AND OR/ CONVERTERS FOR PROPOSED LOADING

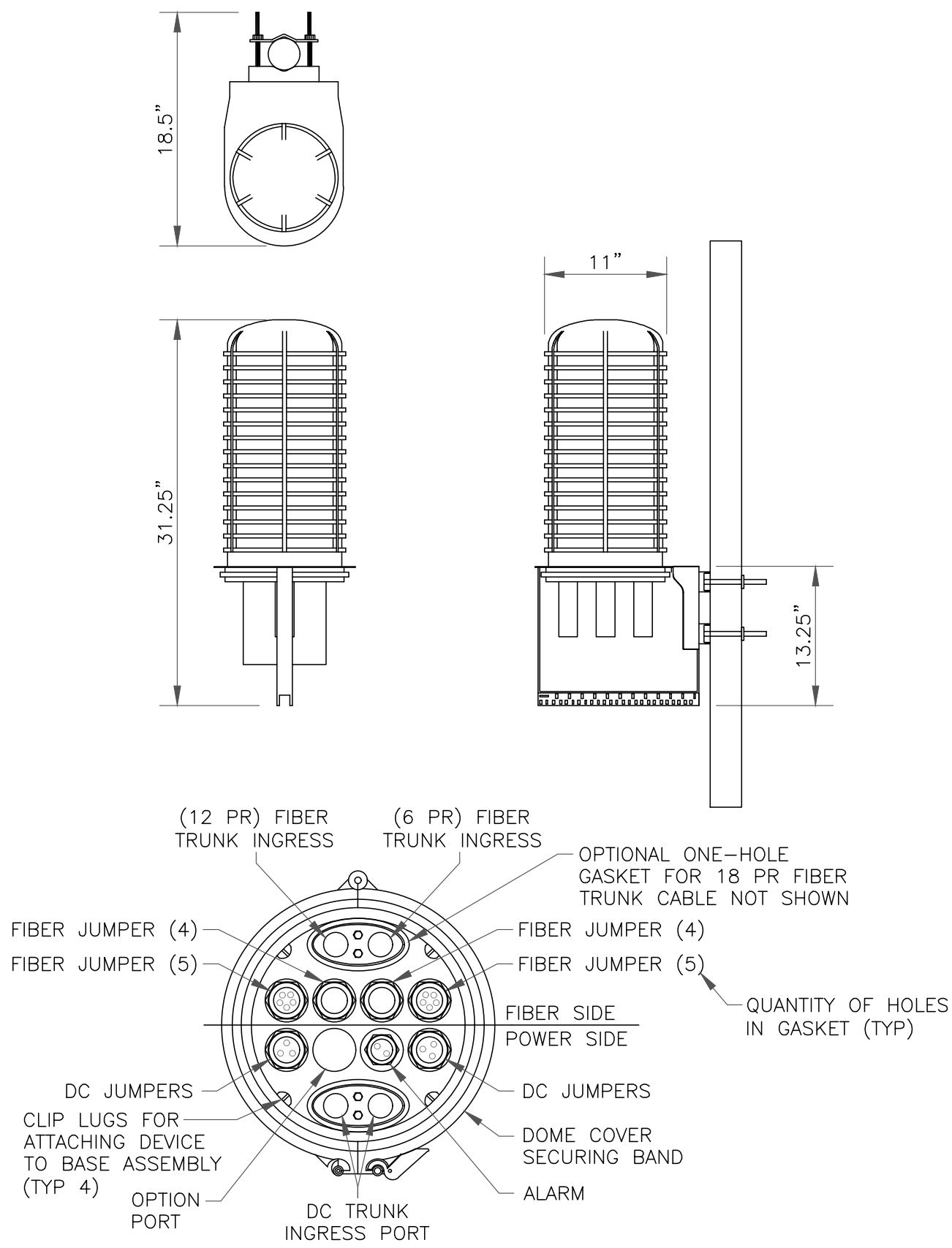


1 VERTIV – NETSURE 7100 POWER PLANT
SCALE: NOT TO SCALE

RAYCAP
DC6-48-60-18-8F

RAYCAP -- DC6-48-60-18-8F
SIZE: 11x31.25 IN.
WEIGHT: 32.8 LBS
NOMINAL OPERATING VOLTAGE: 48 VDC
VOLTAGE PROTECTION RATING: 400 V
WIND LOADING: 150 MPH SUSTAINED (105.7 LBS)
WIND LOADING: 195 MPH GUST (213.6 LBS)

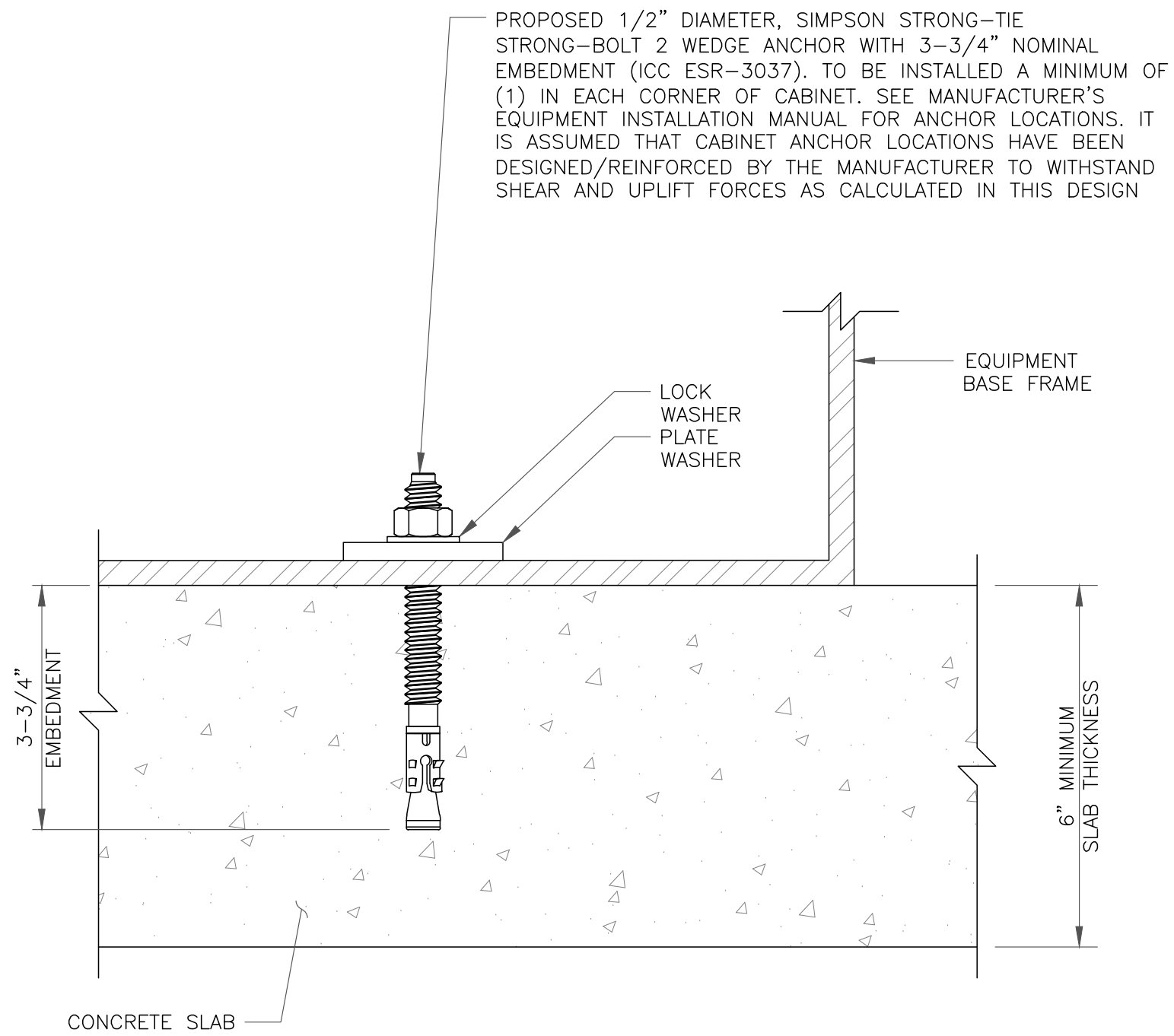
CONTRACTOR TO USE "THREAD LUBRICANT" ON MOUNTING BOLTS DURING INSTALLATION



3 SQUID MOUNTING DETAIL
SCALE: NOT TO SCALE

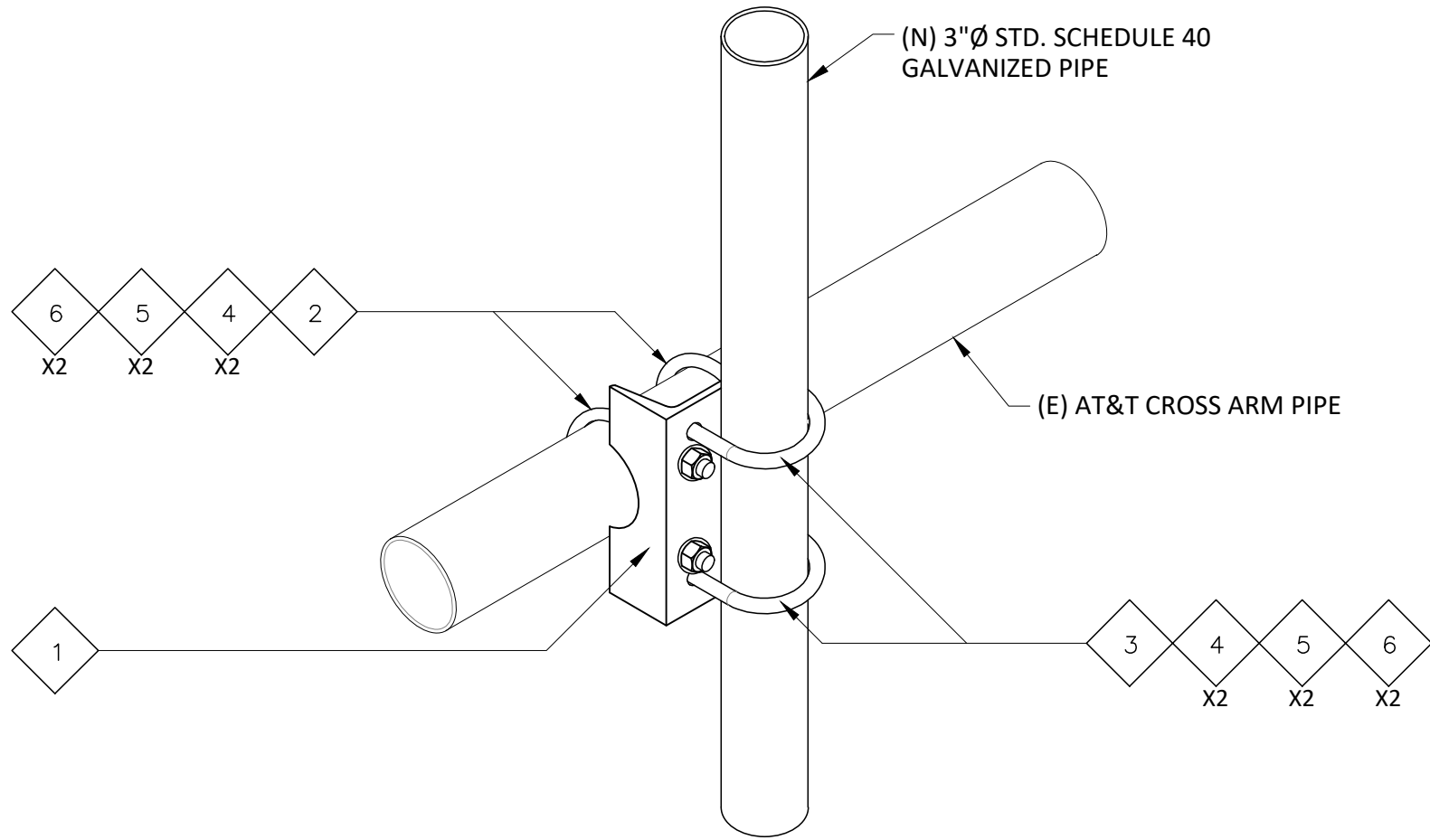
NOTES:

1. REMOVE CABLE SEALING GLAND AND INSTALL M32x1.5 METRIC-TO-1" NPT ADAPTER (COOPER CROUSE-HINES P/N CAP 740 994 OR EQUIVALENT MFR) WHEN CONNECTING CONDUIT TO OVP.



2 CABINET ANCHOR DETAIL
SCALE: NOT TO SCALE

PARTS LIST						
ITEM	QTY.	PART NO.	PARTS DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-SP219	SMALL SUPPORT CROSS PLATE	8 1/4 IN.	8.61	8.61
2	2	X-U81306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.86	1.31
3	2	X-U1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.66	1.31
4	8	G12FW	1/2" HDG USS FLATWASHER		0.03	0.27
5	8	G12UW	1/2" HDG LOCKWASHER		0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
TOTAL WT.					12.61	



4 ANTENNA PIPE MOUNT
SCALE: NOT TO SCALE



AT&T SITE NUMBER:
CTL02162

BU #: 841295
BETHANY

719 AMITY ROAD
BETHANY, CT 06524

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/11/20	AJ	PRELIMINARY	RO
B	05/21/20	AJ	PRELIMINARY	RO
0	06/16/20	MJ	CONSTRUCTION	JL
1	10/08/20	MJ	CONSTRUCTION	JL
2	12/10/2020	EW	CONSTRUCTION	MEP



12/10/2020

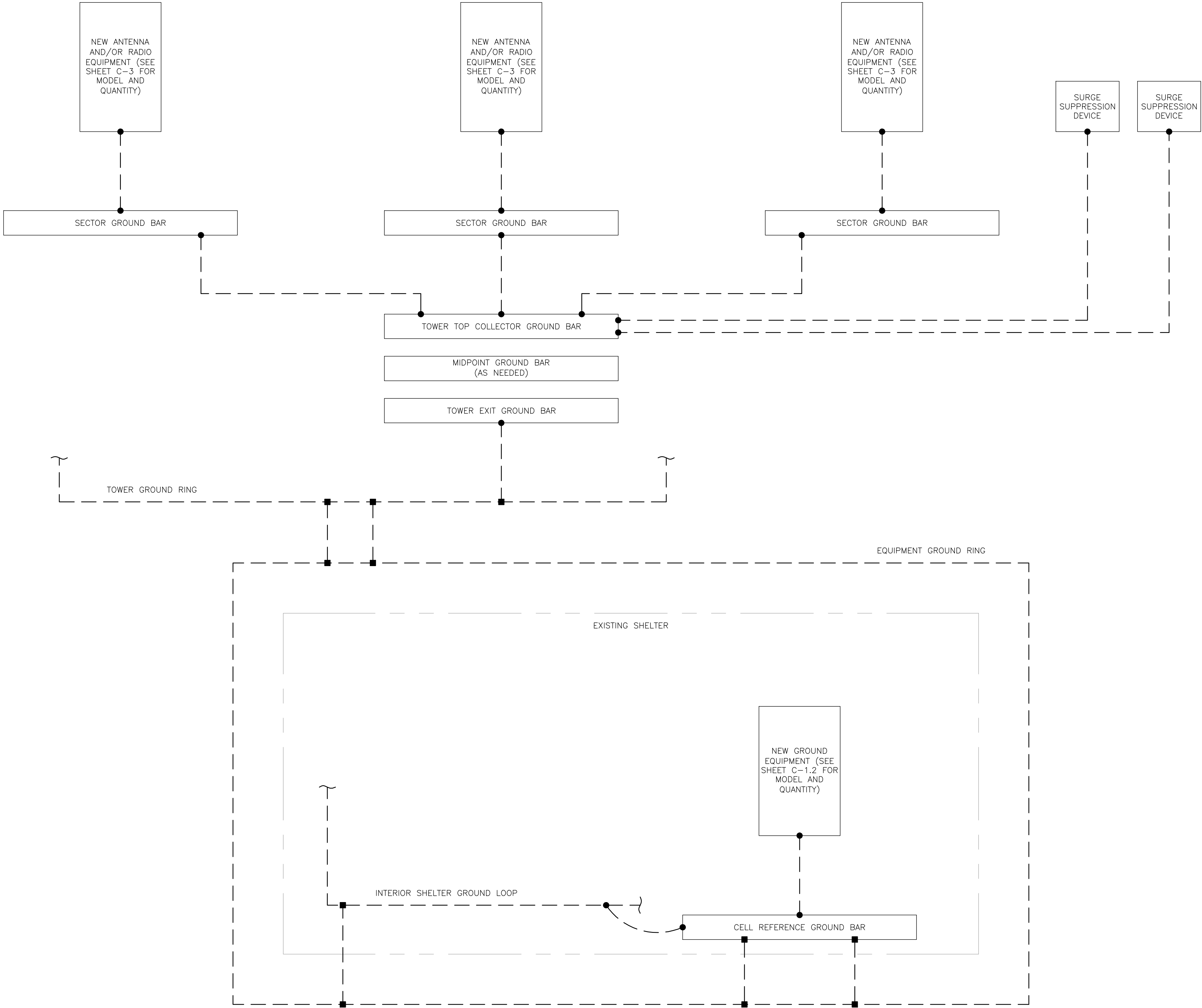
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER:

C-5

REVISION:

2



GROUNDING PLAN LEGEND:

- GROUND WIRE
- EXOTHERMIC WELD
- MECHANICAL CONNECTION
- ⊙ COPPER GROUND ROD
- ⊗ GROUND ROD W/ TEST WELL

CELL REFERENCE GROUND BAR: POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUITS (ATT-TP-76416 7.6.7).

HATCH PLATE GROUND BAR: BOND TO THE INTERIOR GROUND RING WITH (2) #2 STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CELL SITE REFERENCE GROUND BAR MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING USING (2) #2 STRANDED GREEN INSULATED COPPER CONDUCTORS.

EXTERIOR CABLE ENTRY PORT GROUND BARS: LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING. BOND TO GROUND RING WITH A #2 SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE (ATT-TP-76416 7.6.7.2).

DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICES CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR PER TP76300 SECTION H 6 AND TP76416 FIGURE 7-11 REQUIREMENTS.



575 MOROSGO DRIVE
ATLANTA, GA 30324-3300



10300 ORMSBY PARK PLACE, SUITE 501
LOUISVILLE, KY 40223



11490 BLUEGRASS PKWY
LOUISVILLE, KY 40299
502-437-5252

AT&T SITE NUMBER:
CTL02162

BU #: 841295
BETHANY

719 AMITY ROAD
BETHANY, CT 06524

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/11/20	AJ	PRELIMINARY	RO
B	05/21/20	AJ	PRELIMINARY	RO
0	06/16/20	MJ	CONSTRUCTION	JL
1	10/08/20	MJ	CONSTRUCTION	JL
2	12/10/2020	EW	CONSTRUCTION	MEP



12/10/2020

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.

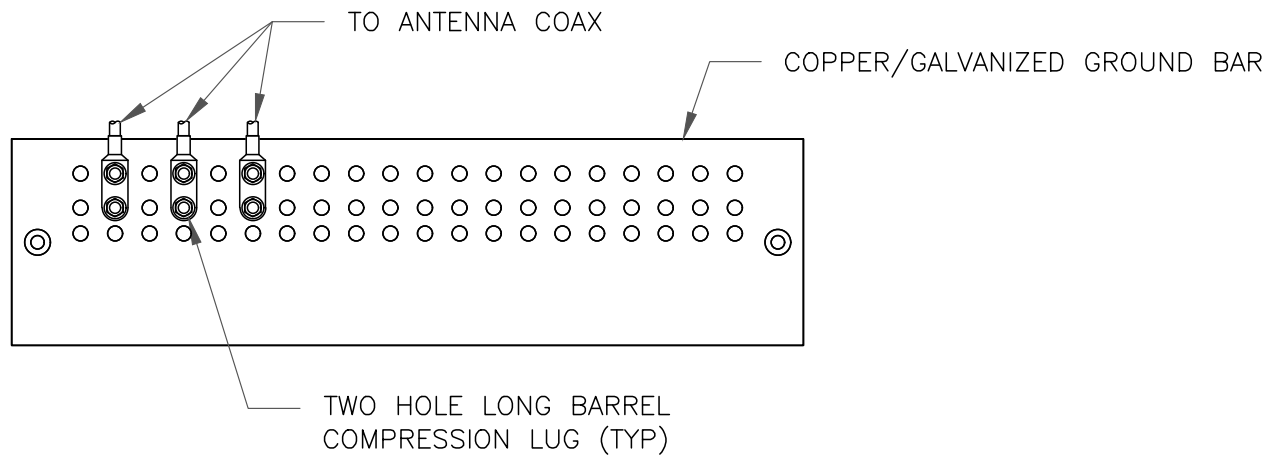
SHEET NUMBER:

G-1

REVISION:

2

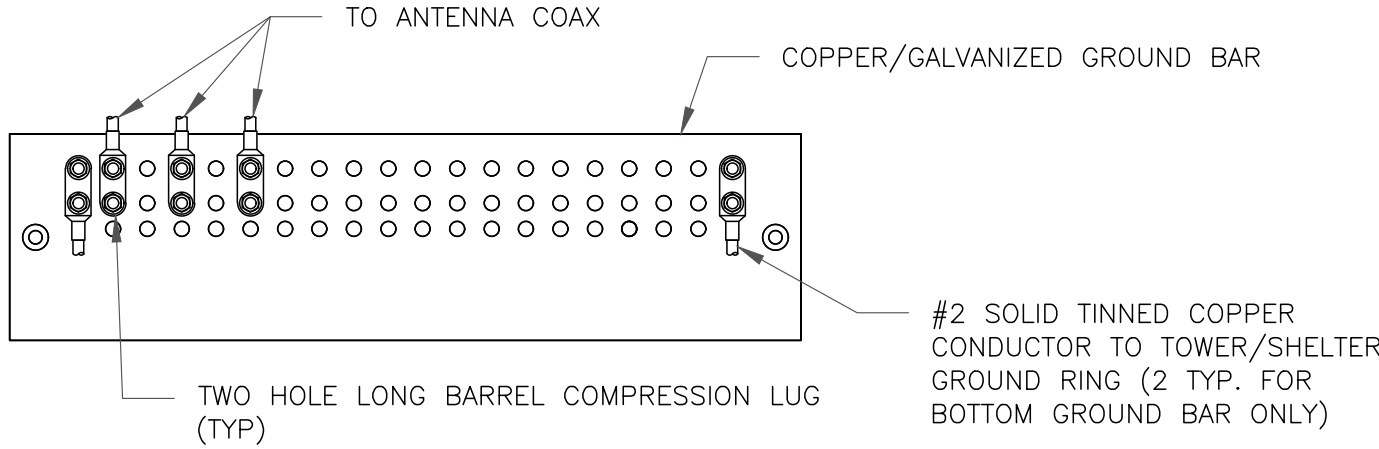
1 GROUNDING SCHEMATIC
SCALE: NOT TO SCALE



NOTES:

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

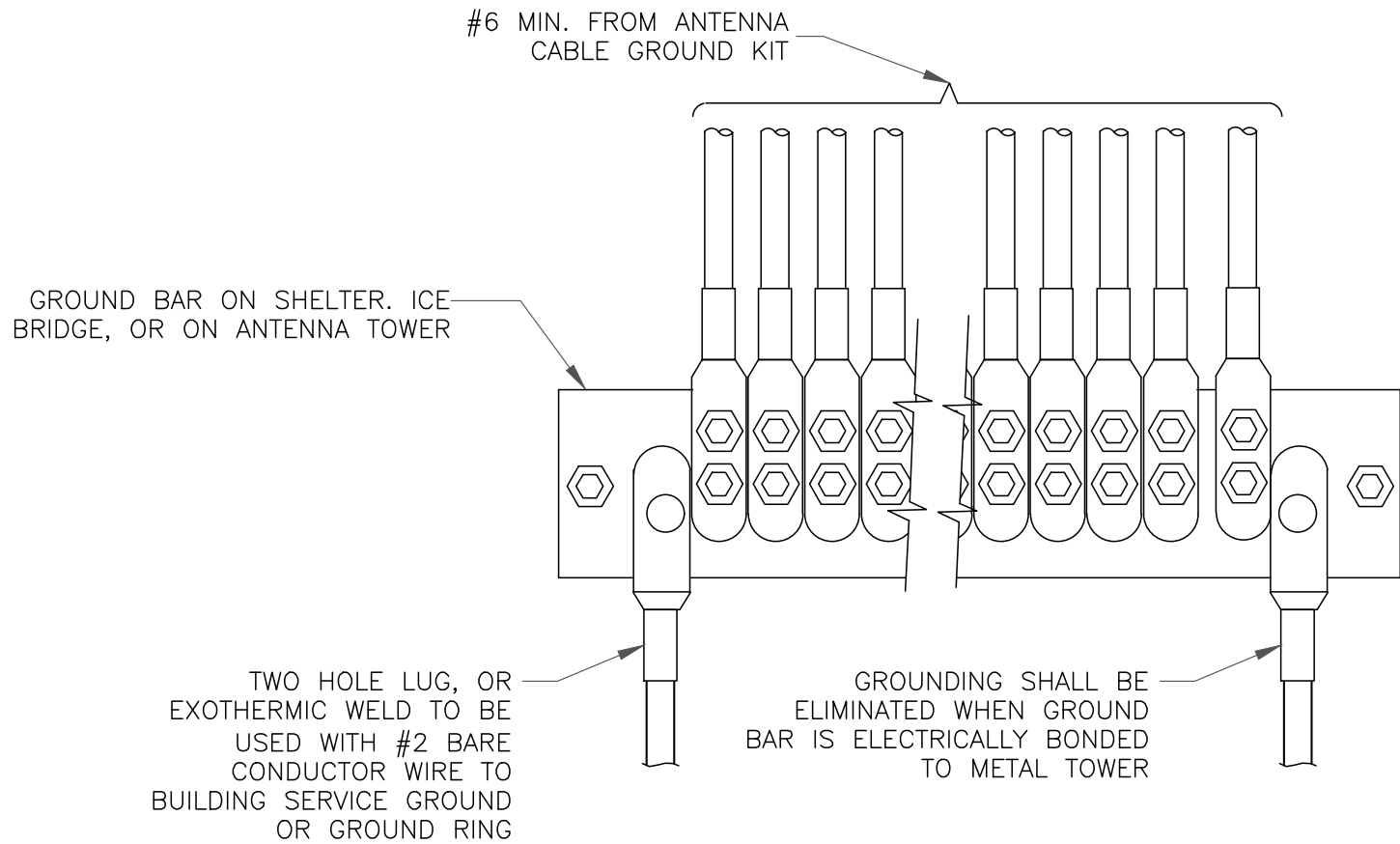
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



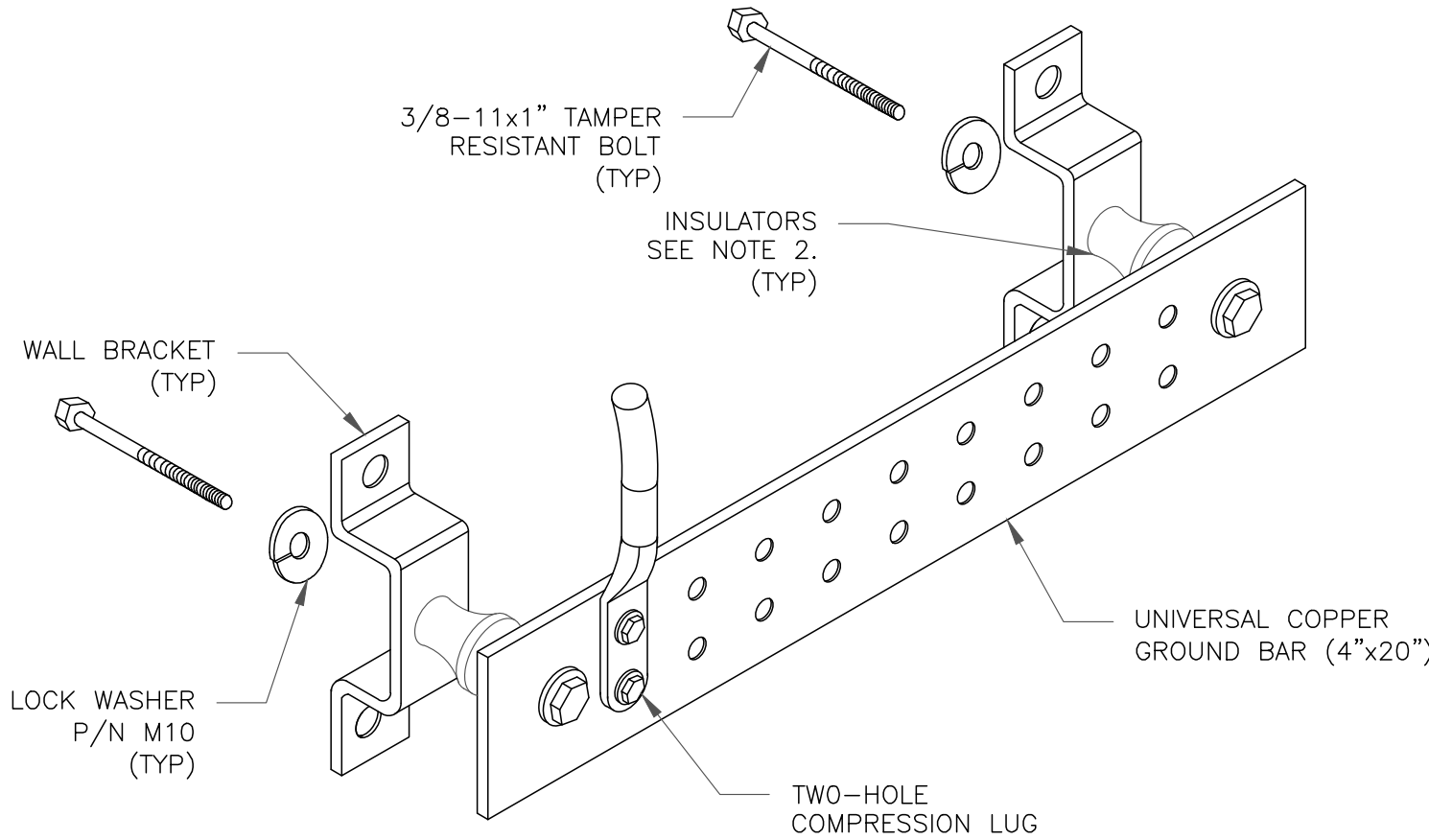
NOTES:

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

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



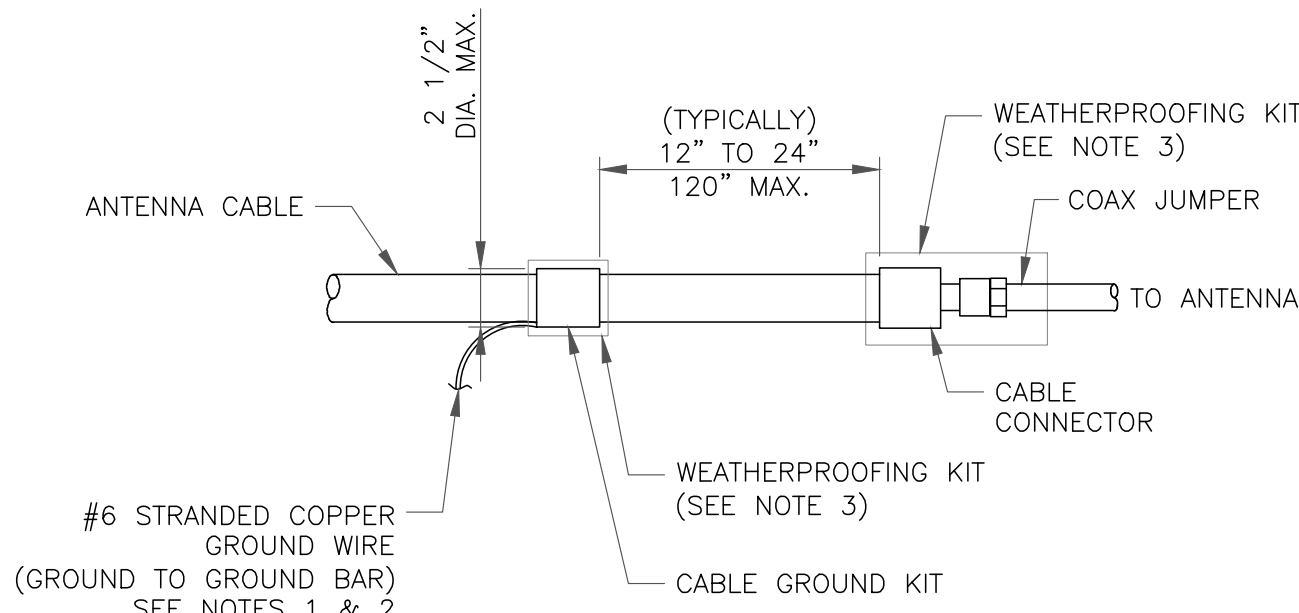
4 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



NOTES:

1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY 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.

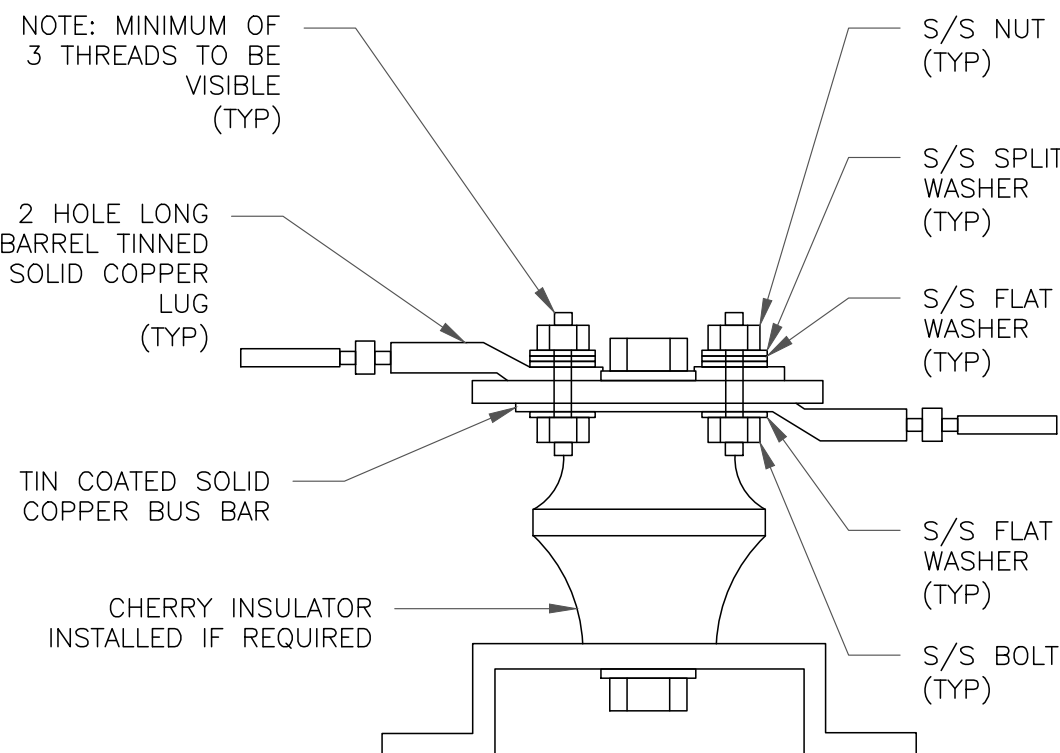
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

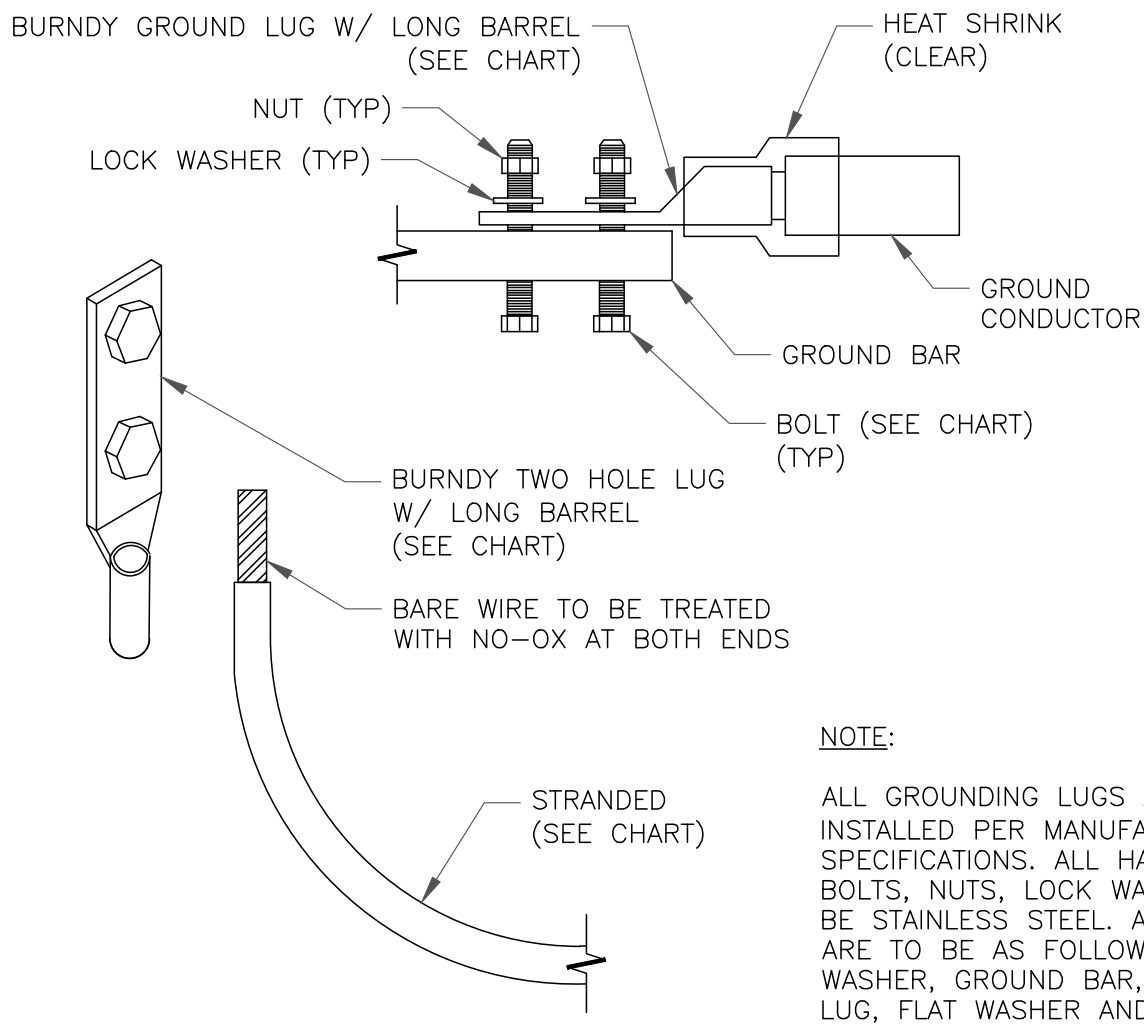
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

6 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE

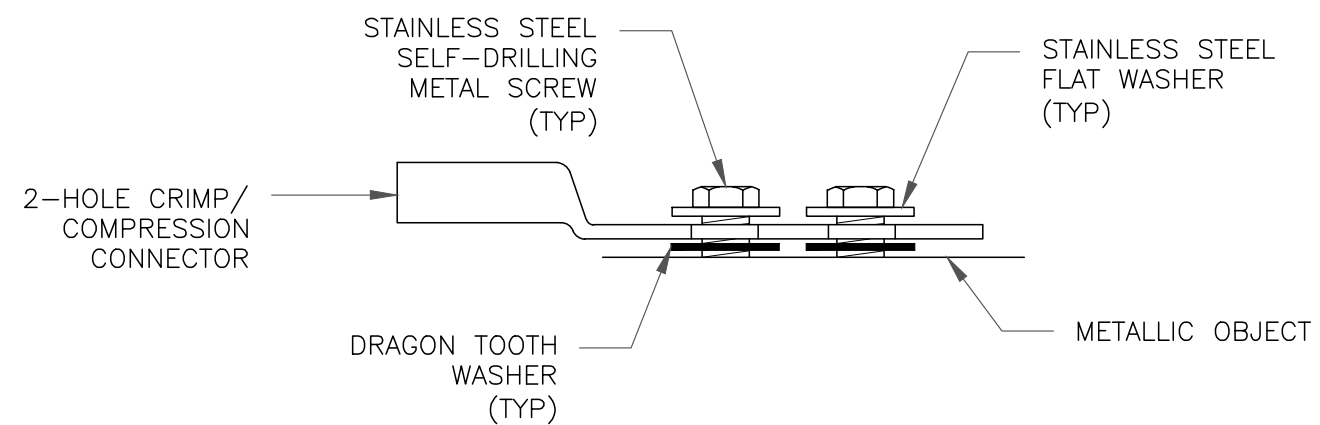
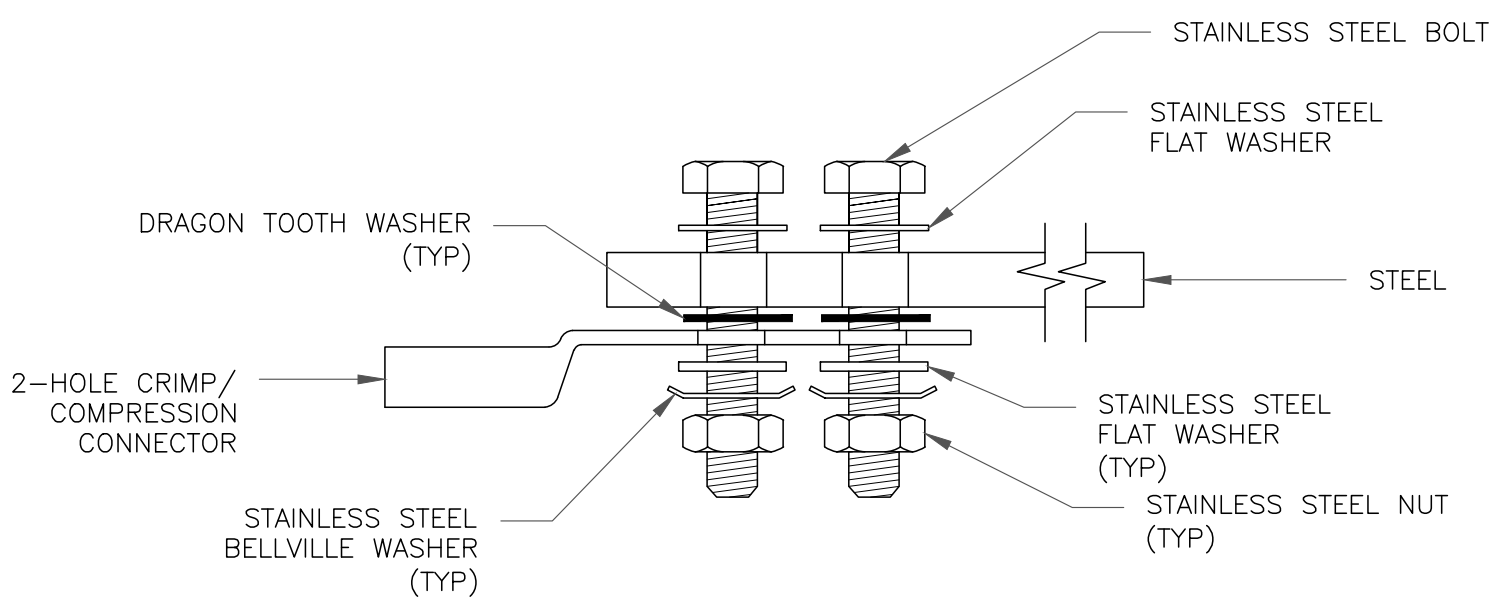
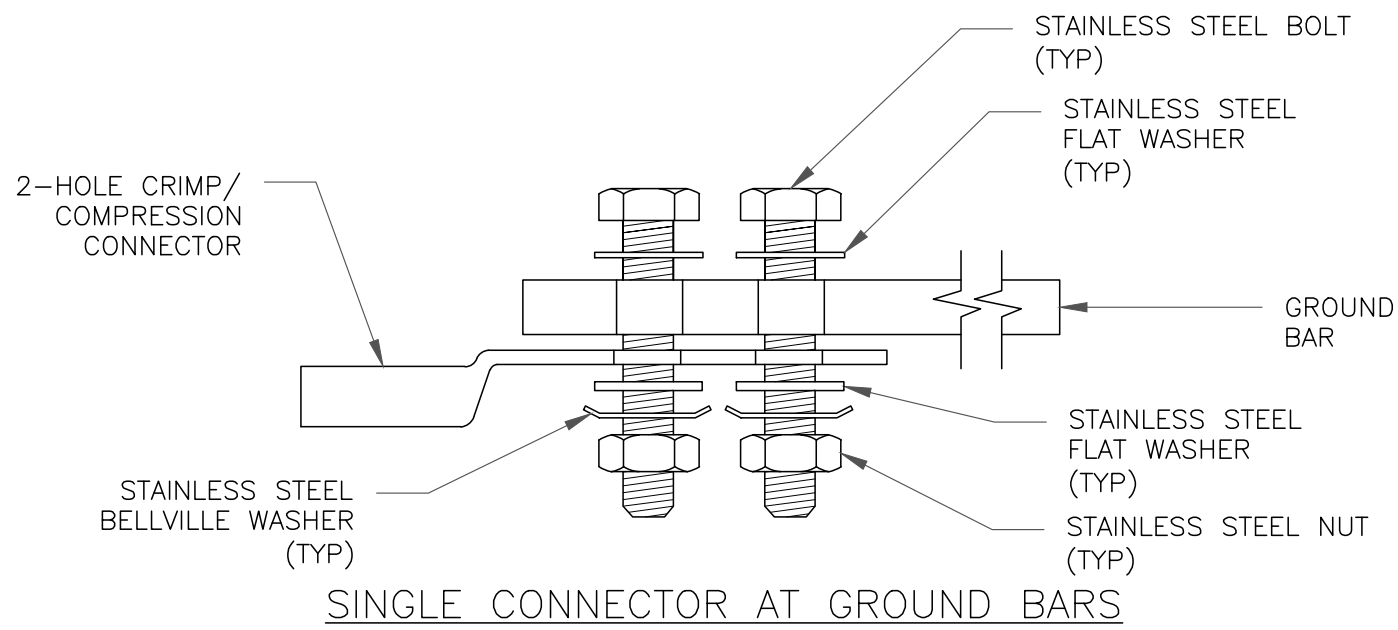


7 LUG DETAIL
SCALE: NOT TO SCALE

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



3 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



AT&T SITE NUMBER:
CTL02162

BU #: 841295
BETHANY

719 AMITY ROAD
BETHANY, CT 06524

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/11/20	AJ	PRELIMINARY	RO
B	05/21/20	AJ	PRELIMINARY	RO
0	06/16/20	MJ	CONSTRUCTION	JL
1	10/08/20	MJ	CONSTRUCTION	JL
2	12/10/2020	EW	CONSTRUCTION	MEP



12/10/2020

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:

G-2

REVISION:

2

Diagram - SectorA

Diagram File Name - CT2162_A_B_C_LTE700BC_850_5G__PCS_AWS_700B14_Rev2.vsd

Atoll Site Name - CTL02162

Location Name - BETHANY

Market - CONNECTICUT

Market Cluster - NEW ENGLAND

Comments: Important Note: For detailed radio to antenna wiring refer to the latest field notice - Antenna_Radio Connection Drawings Playbook v6.0_Ericsson

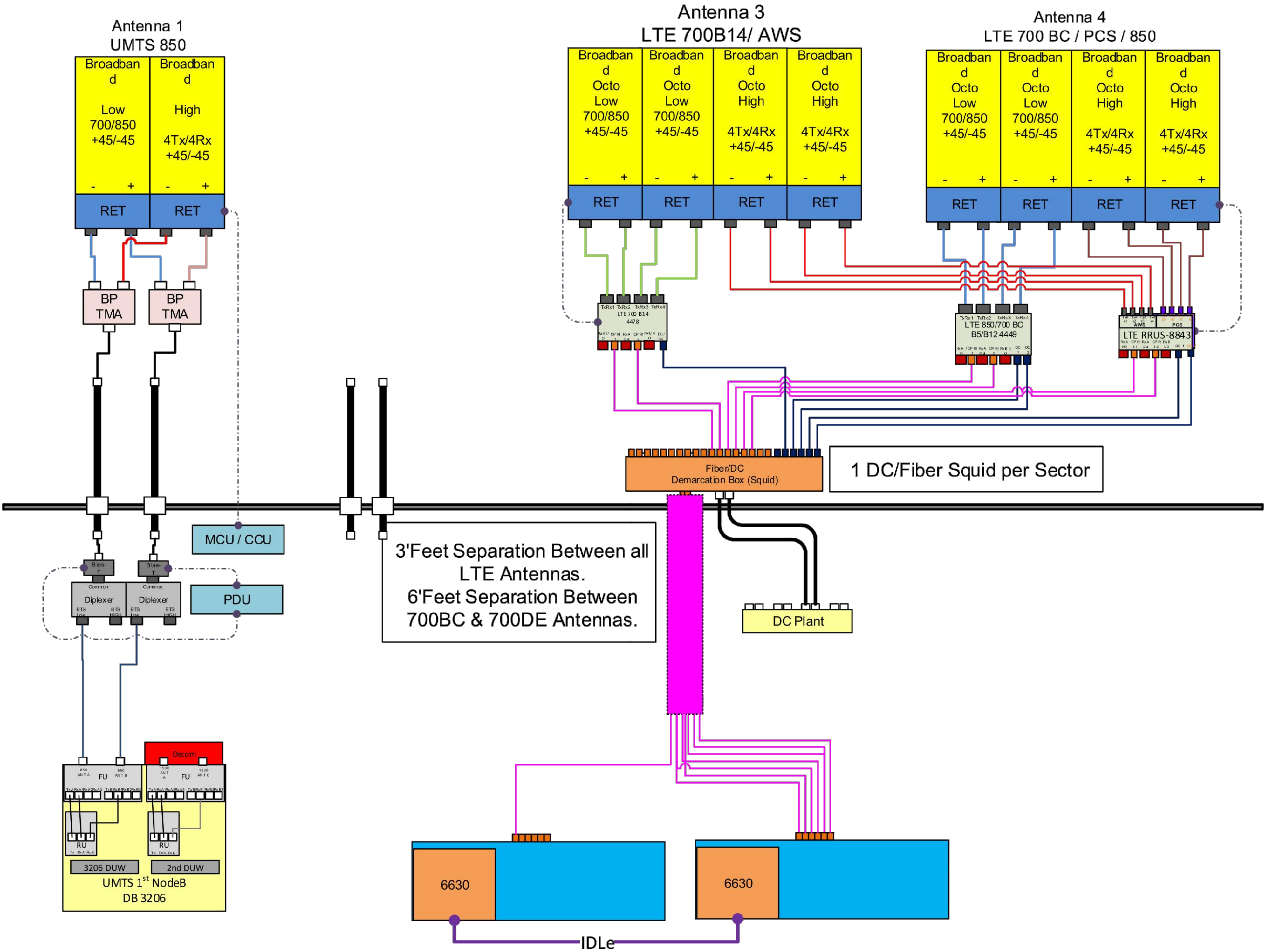


Diagram - Sector

B

Diagram File Name - CT2162_A_B_C_LTE700BC_850_5G_PCS_AWS_700B14_Rev2.vsd

Atoll Site Name -

CTL02162

Location Name -

BETHANY

Market -

CONNECTICUT

Market Cluster -

NEW ENGLAND

Comments:

Important Note: For detailed radio to antenna wiring refer to the latest field notice - Antenna_Radio Connection Drawings Playbook v6.0_Ericsson

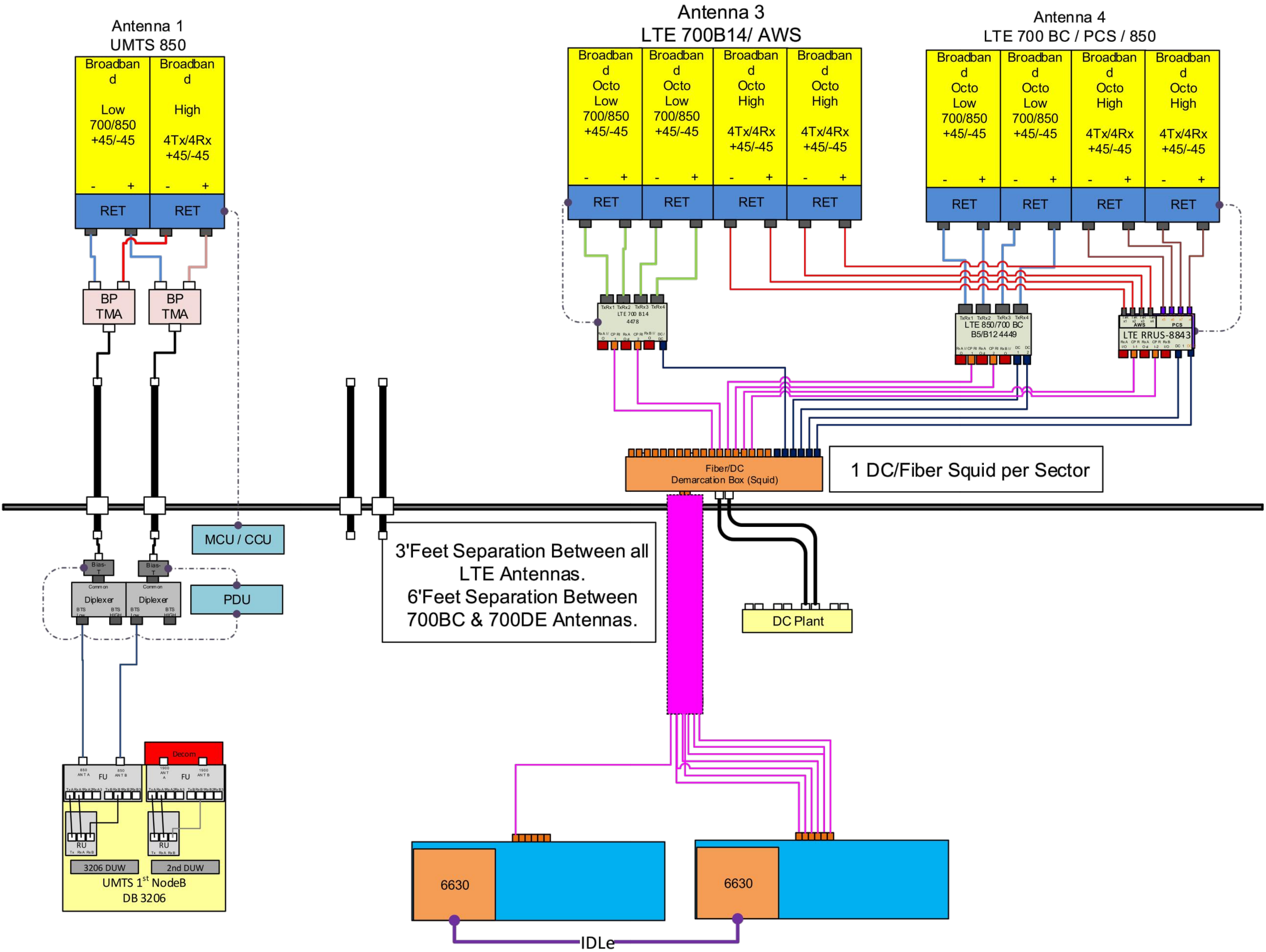


Diagram - SectorC

Diagram File Name - CT2162_A_B_C_LTE700BC_850_5G__PCS_AWS_700B14_Rev2.vsd

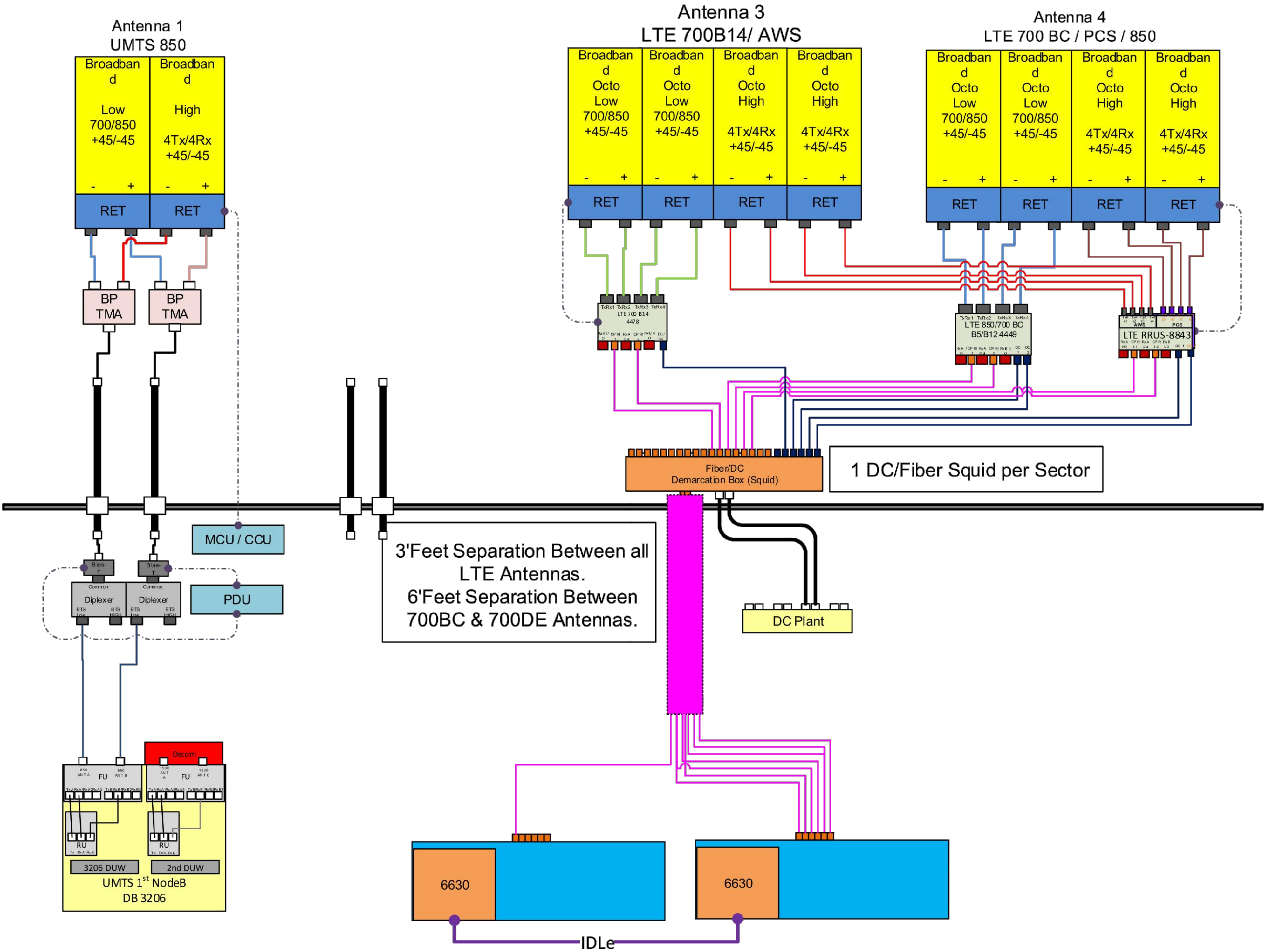
Atoll Site Name - CTL02162

Location Name - BETHANY

Market - CONNECTICUT

Market Cluster - NEW ENGLAND

Comments: Important Note: For detailed radio to antenna wiring refer to the latest field notice - Antenna_Radio Connection Drawings Playbook v6.0_Ericsson





SITE:
841295 BETHANY (10035070)

MODIFICATION DRAWING FOR AN EXISTING 13' PLATFORM AT 148' ON A 150' MONOPOLE TOWER

PLANS PREPARED FOR:



CROWN
CASTLE

PLANS PREPARED BY:



POD
POWER OF DESIGN

1033 E. TURKEYFOOT LAKE RD.
SUITE 206 AKRON, OHIO 44312
330-961-7432

CARRIER:

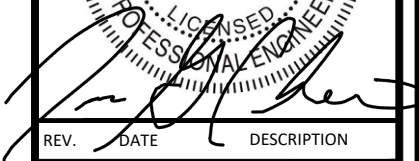


DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND
ARE THE SOLE PROPERTY OF CROWN CASTLE
AND MAY NOT BE REPRODUCED,
DISSEMINATED OR REDISTRIBUTED WITHOUT
THE EXPRESS WRITTEN CONSENT OF CROWN
CASTLE.

MODIFICATION DRAWING

8/13/2020





REV.	DATE	DESCRIPTION

SITE INFORMATION:

BETHANY (10035070)

719 AMITY ROAD
BETHANY, CT 06523

SITE NUMBER:

841295

POD NUMBER:	20-67835
DRAWN BY:	TAJ
CHECKED BY:	JGC
DATE:	08/13/2020

SHEET TITLE:

TITLE SHEET

T-01

SHEET INDEX	
T-01	TITLE SHEET
N-01	NOTES
S-01	PLAN VIEW
S-02	ELEVATION VIEW
MI-01	MODIFICATION CHECKLIST

PROJECT INFORMATION	
COUNTY:	NEW HAVEN
SITE ADDRESS:	719 AMITY ROAD BETHANY, CT 06523
LATITUDE:	41° 26' 33.93"
LONGITUDE:	-72° 59' 32.86"

SCOPE OF WORK:
MOUNT MODIFICATION DRAWINGS INCLUDES: REPLACE EXISTING MP & INSTALL PROPOSED TIEBACKS.

GENERAL NOTES

1. THE MODIFICATIONS REPRESENTED IN THESE DRAWINGS ARE BASED ON THE STRUCTURAL DOCUMENTS PROVIDED IN THE STRUCTURAL DOCUMENTS TABLE. THE CONTRACTOR SHALL OBTAIN AND BECOME FAMILIAR WITH ALL REFERENCED DOCUMENTS.
- REFERENCE DOCUMENTS

DOCUMENT TYPE	DESIGNATION
MOUNT ANALYSIS	INFINIGY PROJECT NUMBER: 1039-Z0001-B DATED: 05/08/2020
2. ALL MODIFICATIONS MUST BE INSTALLED TO BRING THE TOWER INTO CONFORMANCE WITH ALL APPLICABLE CODES.

GOVERNING CODES

ULTIMATE WIND SPEED

RADIAL ICE THICKNESS

WIND SPEED W/ ICE

STRUCTURE CLASS

EXPOSURE CATEGORY

TOPOGRAPHIC CATEGORY

SPECTRAL RESPONSE ACCELERATIONS

TIA-222-H & 2018 IBC

125 MPH 3 SECOND GUST

1"

50 MPH 3 SECOND GUST

II

C

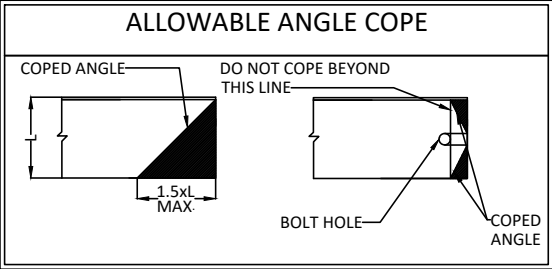
1

SS= 0.189 & S1= 0.063
3. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE OR APPROVED BY THE EOR. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE PERFORMING WORK SIMILAR TO THAT DESCRIBED WITHIN THESE DRAWINGS. BY ACCEPTANCE OF THIS PROJECT, THE CONTRACTOR IS ATTESTING THAT HE HAS SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND REGISTERED TO PERFORM THE WORK IN THE PROJECT JURISDICTION.
4. WORK SHALL ONLY BE PERFORMED DURING CALM, DRY DAYS (WINDS LESS THAN 10XMPH). IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE INSTILLATION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIEXDOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
5. ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND EOR. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE EOR SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES AND PROCEDURES.
6. THE DESIGN WITHIN THESE DRAWINGS ASSUMES THE TOWER AND ITS FOUNDATIONS HAVE BEEN WELL MAINTAINED, IN GOOD CONDITION AND ARE WITHOUT DEFECT. BENT MEMBERS, CORRODED MEMBER, LOOSE BOLTS, CRACKED WELDS, AND OTHER STRUCTURAL DEFECTS HAVE NOT BEEN CONSIDERED UNLESS SPECIFICALLY NOTED. THE TOWER IS ASSUMED TO BE PLUMB AND THE SITE IS ASSUMED LEVEL. THE OWNER AND/OR EOR SHALL BE NOTIFIED IMMEDIATELY IF ANY VARIANCES ARE FOUND.
7. THE CONTRACTOR SHALL ONLY WORK WITHIN THE LIMITS OF THE TOWER OWNER'S PROPERTY, LEASE AREA OR APPROVED EASEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WORK IS PERFORMED WITHIN THESE BOUNDARIES. CONSTRUCTION STAKING AND BOUNDARY MARKING IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A SURVEYOR AS REQUIRED. ANY WORK OUTSIDE THESE BOUNDARIES SHALL BE APPROVED IN WRITING BY THE OWNER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAIN AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT ALL WORK PERFORMED COMPLIES WITH ALL APPLICATION SAFETY CODES AND GOVERNING REGULATIONS.
9. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULES AND MATERIAL DELIVERIES, WITH THE OWNER/RESIDENT LEASING AGENT FOR APPROVAL.
10. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNING AGENCIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
11. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDED BUT NOT LIMITED TO ALTERED SIZED AND/OR STRENGTHS, MUST BE APPROVED BY THE EOR.
12. UNLESS NOTED OTHERWISE, ALL NEW MEMBERS SHALL MAINTAIN THE EXISTING MEMBER WORKING LINES AND NOT INTRODUCE ECCENTRICITIES INTO THE STRUCTURE.
13. ALL DIMENSIONS AND QUANTITIES LISTED WITHIN THESE DRAWINGS ARE INTENDED TO AID THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL DIMENSION AND QUANTITIES PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
14. ALL MANUFACTURERS' INSTRUCTIONS SHALL BE FOLLOWED EXACTLY. ANY DEVIATION REQUIRES WRITTEN APPROVAL FROM THE EOR.
15. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY REMOVING COAX, BRACKETS, ANTENNAS MOUNTS AND ANY OTHER TOWER APPURTENANCE THAT MAY INTERFERE WITH THE INSTILLATION OF THE TOWER MODIFICATIONS. ALL TOWER APPURTENANCES MUST BE REPLACE AND/OR RESTORED TO ITS ORIGINAL LOCATION. SOME MOUNTS OR ATTACHMENTS MAY REQUIRE CUSTOM MODIFICATION TO PROPERLY FIT THE MODIFIED REGION OF THE STRUCTURE. THESE CUSTOM MOUNTS OR ATTACHMENTS ARE DESIGNED BY OTHERS AND MUST BE APPROVED BY THE OWNER/EOR PRIOR TO REMOVAL. ANY CARRIER DOWNTIME MUST BE COORDINATED WITH THE OWNER IN WRITING.
16. DO NOT SCALE DRAWINGS.

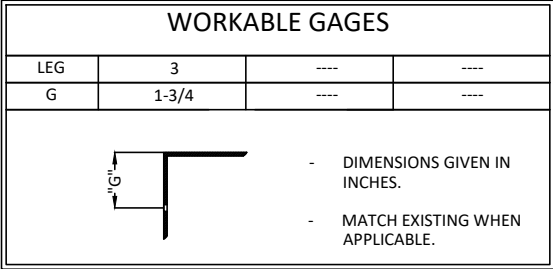
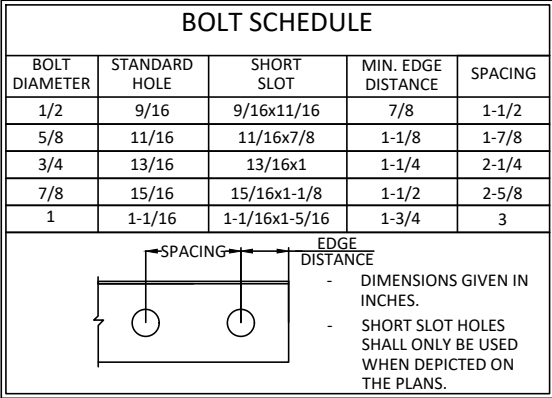
STRUCTURAL STEEL NOTES

1. ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.
2. ALL STRUCTURAL STEEL ELEMENTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.
- MATERIAL SPECIFICATIONS

PIPES	ASTM A53 GR.B (35 KSI YIELD STRENGTH)
BOLTS	ASTM A325N
NUTS	ASTM A563
WASHER	ASTM F436
PLATE	ASTM A36 (36 KSI YIELD STRENGTH)
U-BOLTS	ASTM A307
3. ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE FABRICATOR IN ACCORDANCE WITH AISC SPECIFICATIONS, LATEST EDITION.
4. CAULKING SHALL BE PROVIDED AROUND PERIMETER OF ANY AND ALL MODIFICATION MEMBERS TO ENSURE COMPLETE SEAL BETWEEN EXISTING STRUCTURE AND REINFORCING MEMBERS IN FULL CONTACT WITH EXISTING STEEL. SEALANT IS TO BE EXTERIOR GRADE, PAINTABLE SILICONE CAULKING AS MANUFACTURED BY DOW AND ACCEPTABLE TO EOR.
5. HOLES SHALL NOT BE FLAME CUT THROUGH STEEL UNLESS APPROVED BY THE EOR.
6. ALL EXPOSED STEEL SHALL BE HOTXDIPPED GALVANIZED PER ASTM A123, ASTM A153/A153M, OR ASTM A653 G90, AS APPLICABLE FOR FULL WEATHER PROTECTION. FOR HIGH STRENGTH STEEL FASTENERS WHERE HOTXDIPPED GALVANIZING IS NOT PERMITTED DACROMET F1136 GRADE 3 COATING SHALL BE USED. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING TOWER STEEL. CONTRACTOR SHALL OBTAIN EOR APPROVAL FOR STEEL PROTECTION BY ANY OTHER MEANS.
7. REPAIR DAMAGED PAINTED/GALVANIZED SURFACES WITH TWO COATS OF BRUSH OR ROLL ON ZRC COLD GALVANIZING COMPOUND OR EOR APPROVED COATING. SURFACES MUST BE WIRE BRUSHED AND SOLVENT CLEANED PRIOR TO APPLICATION OF GALVANIZING COMPOUND.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES (LOCKING NUT/PAL NUT) TO BE INSTALLED IN ACCORDANCE WITH TIA/EIAX222 REQUIREMENTS.
9. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE 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.



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 REQUIREMENT.



PLANS PREPARED FOR:



PLANS PREPARED BY:

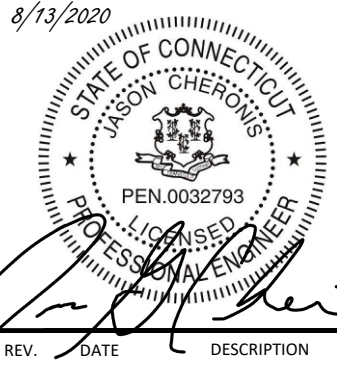


CARRIER:



DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF CROWN CASTLE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF CROWN CASTLE.

MODIFICATION DRAWING



SITE INFORMATION:

BETHANY (10035070)

719 AMITY ROAD
BETHANY, CT 06523

SITE NUMBER:

841295

POD NUMBER: 20-67835

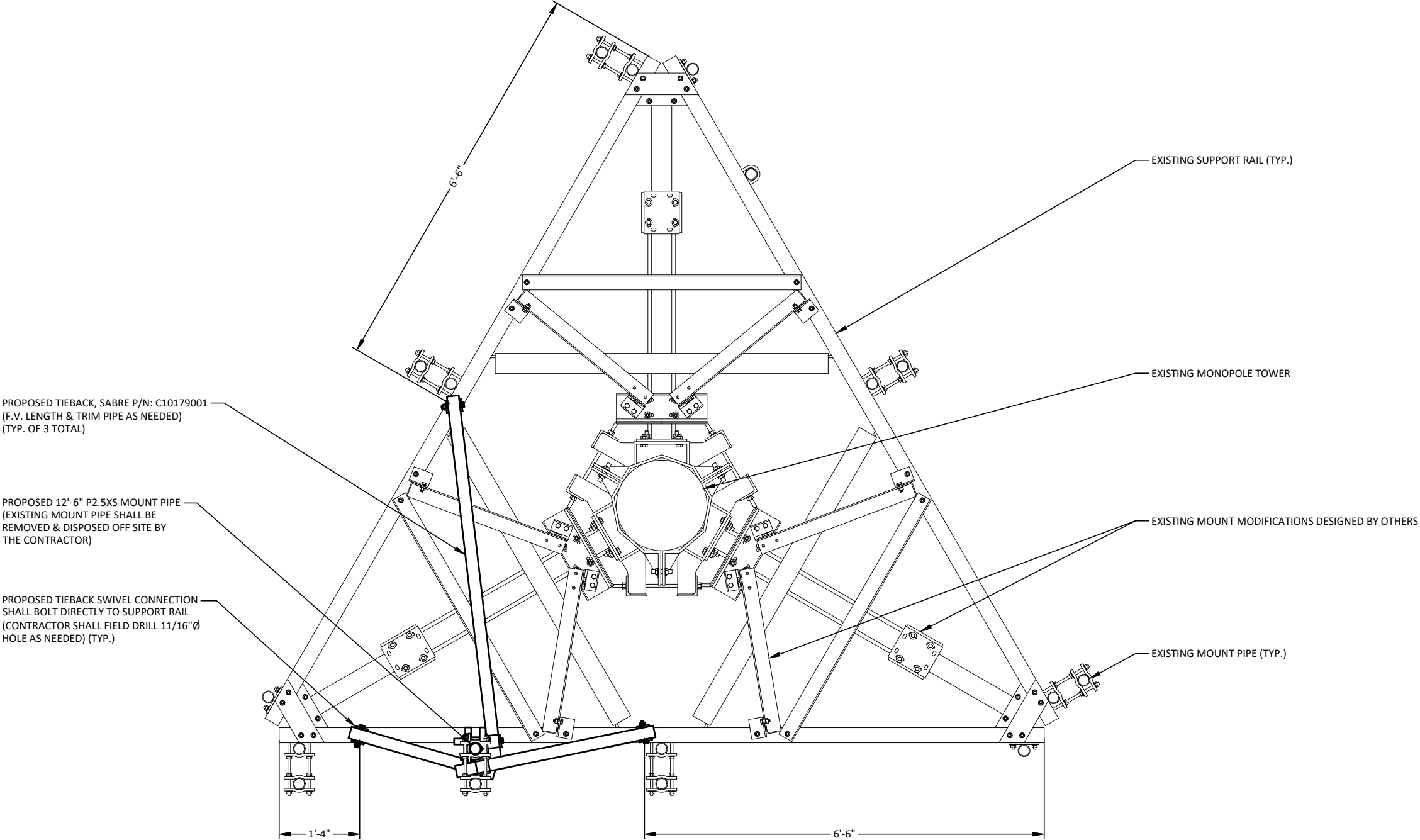
DRAWN BY: TAJ
CHECKED BY: JGC
DATE: 08/13/2020

SHEET TITLE:

NOTES

N-01

- NOTES:
- ANTENNAE & GRATING NOT SHOWN FOR CLARITY
 - ALL FIELD DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF ZRC RICH PAINT
 - EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR



PLAN VIEW
1/2" = 1'-0"

PLANS PREPARED FOR:

CROWN CASTLE

PLANS PREPARED BY:

POD
POWER OF DESIGN

1033 E. TURKEYFOOT LAKE RD.
SUITE 206 AKRON, OHIO 44312
330-961-7432

CARRIER:

AT&T

DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF CROWN CASTLE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF CROWN CASTLE.

MODIFICATION DRAWING

8/13/2020

STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032793
LICENSED PROFESSIONAL ENGINEER

REV. DATE DESCRIPTION

SITE INFORMATION:

BETHANY (10035070)

719 AMITY ROAD
BETHANY, CT 06523

SITE NUMBER:

841295

POD NUMBER: 20-67835

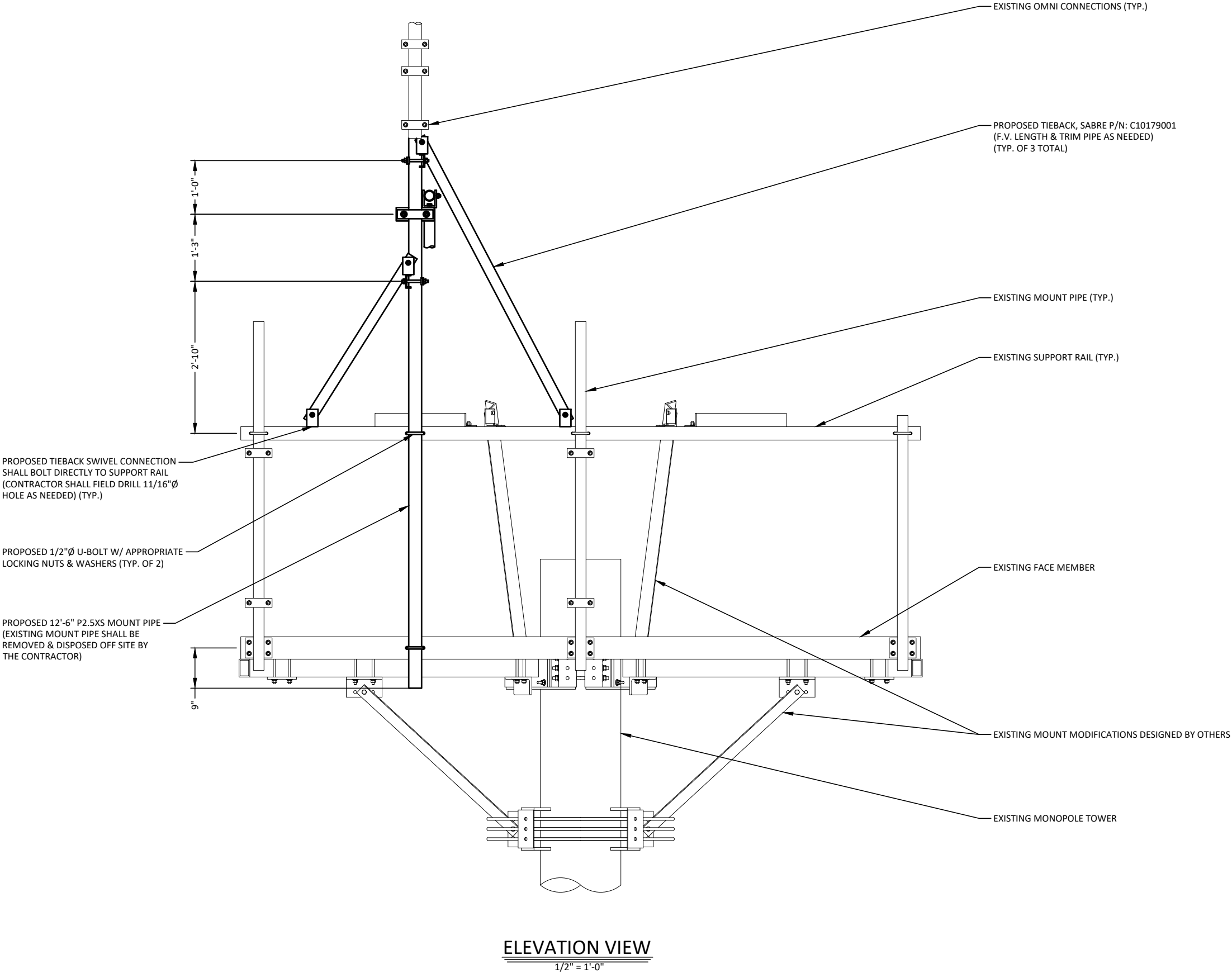
DRAWN BY: TAJ
CHECKED BY: JGC
DATE: 08/13/2020

SHEET TITLE:

PLAN VIEW

S-01

- NOTES:
- ANTENNAE & GRATING NOT SHOWN FOR CLARITY
 - ALL FIELD DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF ZRC RICH PAINT
 - EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR



PLANS PREPARED FOR:



PLANS PREPARED BY:



1033 E. TURKEYFOOT LAKE RD.
SUITE 206 AKRON, OHIO 44312
330-961-7432

CARRIER:



DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND
ARE THE SOLE PROPERTY OF CROWN CASTLE
AND MAY NOT BE REPRODUCED,
DISSEMINATED OR REDISTRIBUTED WITHOUT
THE EXPRESS WRITTEN CONSENT OF CROWN
CASTLE.

MODIFICATION DRAWING

8/13/2020



REV. DATE DESCRIPTION

REV.	DATE	DESCRIPTION

SITE INFORMATION:

BETHANY (10035070)

719 AMITY ROAD
BETHANY, CT 06523

SITE NUMBER:

841295

POD NUMBER: 20-67835

DRAWN BY: TAJ

CHECKED BY: JGC

DATE: 08/13/2020

SHEET TITLE:

ELEVATION VIEW

S-02

MODIFICATION INSPECTION CHECKLIST					
BEFORE CONSTRUCTION		DURING CONSTRUCTION		AFTER CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM	CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM	CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
X	MODIFICATION INSPECTION CHECKLIST DWG	X	CONSTRUCTION INSPECTION	X	MODIFICATION INSPECTOR REDLINE OR RECORD DRAWING(S)
-	ENGINEER OF RECORD APPROVED SHOP DRAWINGS	-	FOUNDATION INSPECTION	-	POST INSTALLED ANCHOR ROD PULL-OUT TESTING
-	FABRICATION INSPECTION	-	CONCRETE COMP. STRENGTH AND SLUMP TEST	X	PHOTOGRAPHS
X	MATERIAL TEST REPORT	-	POST INSTALLED ANCHOR ROD VERIFICATION	ADDITIONAL TESTING AND INSPECTION	
-	FABRICATOR NDE INSPECTION	-	BASE PLATE GROUT VERIFICATION		
-	NDE REPORT OF MONOPOLE BASEPLATE (AS REQUIRED)	-	THIRD PARTY CERTIFIED WELD INSPECTION		
X	PACKING SLIP	-	EARTHWORK LIFT AND DENSITY (REPORT REQUIRED)		
ADDITIONAL TESTING AND INSPECTION		X	ON SITE COLD GALVANIZING VERIFICATION		
		-	GUY WIRE TENSION REPORT		
		X	GC AS-BUILT DOCUMENTS		
		ADDITIONAL TESTING AND INSPECTION			

MODIFICATION INSPECTION NOTES:

GENERAL:

- THE MODIFICATION INSPECTION IS A VISUAL INSPECTION OF TOWER MODIFICATION AND A REVIEW OF CONSTRUCTION INSPECTION AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. NAMELY THE MODIFICATION DRAWINGS., AS DESIGNED BY THE ENGINEER OF RECORD.
- THE MODIFICATION INSPECTION IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AN IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF. NOR DOES THE MODIFICATION INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTENT RESIDES WITH THE ENGINEER OF RECORD AT ALL TIMES.
- TO ENSURE THAT THE REQUIREMENT OF THE MODIFICATION INSPECTION ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MODIFICATION INSPECTOR BEGIN COMMUNICATION AND COORDINATING AS SOON AS A PO OR PAYMENT IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MODIFICATION INSPECTOR:

- THE MODIFICATION INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO OR PAYMENT FOR THE MODIFICATION INSPECTION TO:
 - REVIEW THE REQUIREMENT OF THE MODIFICATION INSPECTION CHECKLIST
 - WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS
 - DISCUSS ANY SITE SPECIFIC INSPECTIONS OR CONCERNS
- THE MODIFICATION INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GENERAL CONTRACTOR (GC) INSPECTION AND TEST REPORTS. REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE INXFEILD INSPECTIONS, AND SUBMITTING THE MODIFICATION INSPECTION REPORT.

GENERAL CONTRACTOR:

- THE GC IS REQUIRED TO CONTACT THE MODIFICATION INSPECTOR AS SOON AS RECEIVING A PO OR PAYMENT FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO:

- REVIEW THE REQUIREMENT OF THE MODIFICATION INSPECTION CHECKLIST
 - WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MODIFICATION INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
 - BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS
- THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MODIFICATION INSPECTION CHECKLIST.

RECOMMENDATIONS:

- IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, TO THE MODIFICATION INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR HE MODIFICATION INSPECTION TO BE CONDUCTED.
- THE GC AND MODIFICATION INSPECTION COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
 - WHEN POSSIBLE IT IS PREFERRED TO HAVE THE MODIFICATION INSPECTOR AND GC ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR REXTENSIONING OPERATIONS.
 - IT MAY BE BENEFICIAL TO INSTALL ALL TOWER MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTION TO ALLOW FOUNDATION AND MODIFICATION INSPECTION(S) DONE IN ONE SITE VISIT.
 - WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MODIFICATION INSPECTOR ON-SITE DURING THE MODIFICATION INSPECTION. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MODIFICATION INSPECTION CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CANCELLATION OR DELAYS IN SCHEDULED MODIFICATION INSPECTION:

- IF THE GC AND MODIFICATION INSPECTOR AGREE TO A DATE ON WHICH THE MODIFICATION INSPECTION WILL BE CONDUCTED, AND EITHER ARTY CANCELS OR DELAYS, THE TOWER OWNER SHALL NOT BE RESPONSIBLE FOR ANY COSTS, FEES, LOSS OR DEPOSITS AND/OR OTHER PENALTIES RELATE TO THE CANCELLATION OR DELAY INCURRED BY EITHER PARTY FOR ANY TIME. EXCEPTIONS MAY BE MADE IN THE DELAY/ CANCELLATION IS CAUSED BY WEATHER OR OTHER CONDITIONS THAT MAY COMPROMISE THE SAFETY OF THE PARTIES INVOLVED.

CORRECTION OF FAILING MODIFICATION INSPECTION:

- IF THE MODIFICATION INSTALLATION WOULD FAIL THE MODIFICATION

INSPECTION ("FAILED MODIFICATION INSPECTION"), THE GC SHALL WORK WITH MODIFICATION INSPECTOR TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MODIFICATION INSPECTION. OR, WITH TOWER OWNER'S APPROVAL, THE GC MAY WORK WITH THE ENGINEER OF RECORD TO REXANALYZE THE MODIFICATION/REINFORCEMENT USING AS-BUILT CONDITION.

VERIFICATION INSPECTIONS:

- TOWER OWNER RESERVES THE RIGHT TO CONDUCT A VERIFICATION INSPECTION TO VERIFY THE ACCURACY AND COMPLETENESS OF PREVIOUSLY COMPLETED MODIFICATION AND INSPECTION(S) ON TOWER MODIFICATION PRODUCTS.
- VERIFICATION INSPECTION MAY BE CONDUCTED BY AN INDEPENDENT FIRM AFTER A MODIFICATION PROJECT IS COMPLETED, AS MARKED BY THE DATE OF AN ACCEPTED "PASSING MODIFICATION INSPECTION MODIFICATION INSPECTION" REPORT FOR THE ORIGINAL PROJECT.

REQUIRED PHOTOS:

- BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS ARE TO BE TAKEN AND INCLUDED IN THE MODIFICATION INSPECTION REPORT:
 - PREXCONSTRUCTION GENERAL SITE CONDITION
 - PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
 - RAW MATERIALS
 - PHOTOS OF ALL CRITICAL DETAILS
 - WELD PREPARATION
 - FOUNDATION MODIFICATION
 - BOLT INSTALLATION AND TORQUE
 - FINAL INSTALLED CONDITION
 - SURFACE COATING REPAIR
 - POST CONDITION PHOTOGRAPHS
- FINAL INFIELD CONDITION ANY OTHER PHOTOS DEEMED RELEVANT TO SHOW COMPLETE DENTALS OF MODIFICATIONS
- PHOTOS OF ELEVATED MODIFICATIONS TAKEN FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.



DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF CROWN CASTLE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF CROWN CASTLE.

MODIFICATION DRAWING



SITE INFORMATION:

BETHANY (10035070)

719 AMITY ROAD
BETHANY, CT 06523

SITE NUMBER:

841295

POD NUMBER: 20-67835

DRAWN BY: TAJ
CHECKED BY: JGC
DATE: 08/13/2020

SHEET TITLE:

MODIFICATION CHECKLIST

MI-01

Exhibit D

Structural Analysis Report

Date: **November 06, 2020**

Amanda D Brown
Crown Castle
6325 Ardrey Kell Rd, Suite 600
Charlotte, NC 28277



Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
(724)416-2000

Subject: **Structural Analysis Report**

Carrier Designation: **AT&T Mobility Co-Locate**
Carrier Site Number: 10035070
Carrier Site Name: BETHANY
Carrier FA Number: 10035070

Crown Castle Designation: **Crown Castle BU Number:** 841295
Crown Castle Site Name: BETHANY
Crown Castle JDE Job Number: 605387
Crown Castle Work Order Number: 1897980
Crown Castle Order Number: 517062 Rev. 1

Engineering Firm Designation: **Crown Castle Project Number:** 1897980

Site Data: **719 AMITY ROAD, BETHANY, New Haven County, CT**
Latitude 41° 26' 33.93", Longitude -72° 59' 32.86"
151 Foot - Monopole Tower

Dear Amanda D Brown,

Crown Castle 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 – 91.4%

This analysis utilizes an ultimate 3-second gust wind speed of 125 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Kayla D. Weimert

Respectfully submitted by:

Terry P. Styran, P.E.
Senior Project Engineer

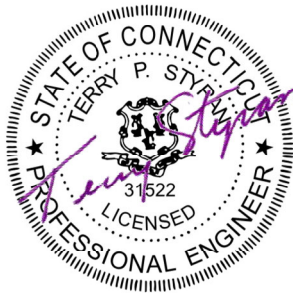


TABLE OF CONTENTS

1) INTRODUCTION

2) ANALYSIS CRITERIA

Table 1 - Proposed Equipment Configuration

Table 2 - Other Considered Equipment

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

3.1) Analysis Method

3.2) Assumptions

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Table 5 - Tower Component Stresses vs. Capacity - LC7

4.1) Recommendations

5) APPENDIX A

tnxTower Output

6) APPENDIX B

Base Level Drawing

7) APPENDIX C

Additional Calculations

1) INTRODUCTION

This tower is a 151 ft Monopole tower designed by VALMONT. The tower has been modified per reinforcement drawings prepared by B+T Engineering in February 2012. Reinforcement includes the addition of flat plate shaft modifications from 0 ft. to 120.5 ft. as well as post-installed anchor rods and foundation modifications at 0 ft.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
148.0	154.3	1	generic	Mount Pipe [12.5 ft. P2.5XS STD]	6 4 2 3 2	1-5/8 7/8 3/4 3/8 conduit
	152.0	3	sabre	Tiebacks [C10179001]		
	151.0	3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 4478 B14_CCIV2		
		3	ericsson	RRUS 8843 B2/B66A_CCIV2		
		6	powerwave technologies	LGP21401		
		2	raycap	DC6-48-60-18-8C-EV		
		1	raycap	DC6-48-60-18-8F		
	149.0	3	cci antennas	DMP65R-BU6D w/ Mount Pipe		
		3	cci antennas	OPA65R-BU6D w/ Mount Pipe		
		3	kathrein	800 10121 w/ Mount Pipe		
	148.0	1	tower mounts	Platform Mount [LP 715-1_KCKR]		

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)
148.0	160.0	1	dbspectra	DS1F03F36D-N	2	7/8
138.0	139.0	6	commscope	NHH-65C-R2B	13	1-5/8
		3	decibel	DB854DG65ESX w/ Mount Pipe		
		1	rfs celwave	DB-T1-6Z-8AB-0Z		
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		
	138.0	1	tower mounts	Platform Mount [LP 303-1_HR-1]		
		1	tower mounts	Side Arm Mount [SO 102-3]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
132.0	132.0	1	tower mounts	Side Arm Mount [SO 104-3]	-	-
	131.0	2	alcatel lucent	1900MHZ RRH		
		1	alcatel lucent	1900MHz RRH		
		3	alcatel lucent	800 EXTERNAL NOTCH FILTER		
		3	alcatel lucent	800MHZ RRH		
130.0	133.0	1	pctel	GPS-TMG-HR-26NCM	3 1 1	1-5/8 1-1/4 1/2
	130.0	3	alcatel lucent	TD-RRH8X20-25		
		3	rfs celwave	APXVSPP18-C-A20 w/ Mount Pipe		
		3	rfs celwave	APXVTM14-C-120 w/ Mount Pipe		
		1	tower mounts	T-Arm Mount [TA 602-3]		
122.0	123.0	3	ericsson	ERICSSON AIR 21 B4A B2P w/ Mount Pipe	7	1-5/8
		3	ericsson	RADIO 4449 B12/B71		
	122.0	3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		1	tower mounts	T-Arm Mount [TA 702-3]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
4-TOWER MANUFACTURER DRAWINGS	FDH Velocitel	6133951	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	FDH Velocitel / Tower Engineering Professionals [MAPPING]	5135917	CCISITES
4-GEOTECHNICAL REPORTS	FDH Velocitel	5135898	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	B+T Group	5135907	CCISITES
4-POST-MODIFICATION INSPECTION	B+T Group	5135928	CCISITES

3.1) Analysis Method

tnxTower (version 8.0.7.5), 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. Crown Castle should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
151 - 146	Pole	TP18.526x17.59x0.2188	Pole	8.0%	Pass
146 - 141	Pole	TP19.461x18.526x0.2188	Pole	17.2%	Pass
141 - 136	Pole	TP20.397x19.461x0.2188	Pole	28.1%	Pass
136 - 131	Pole	TP21.332x20.397x0.2188	Pole	39.6%	Pass
131 - 126	Pole	TP22.268x21.332x0.2188	Pole	52.2%	Pass
126 - 121	Pole	TP23.203x22.268x0.2188	Pole	64.5%	Pass
121 - 118.5	Pole	TP23.671x23.203x0.2188	Pole	71.0%	Pass
118.5 - 118.25	Pole + Reinf.	TP23.718x23.671x0.4938	Reinf. 9 Bolt-Shaft Bearing	47.3%	Pass
118.25 - 113.25	Pole + Reinf.	TP24.653x23.718x0.4813	Reinf. 9 Tension Rupture	54.2%	Pass
113.25 - 108.25	Pole + Reinf.	TP25.589x24.653x0.4688	Reinf. 9 Tension Rupture	61.7%	Pass
108.25 - 103.25	Pole + Reinf.	TP26.524x25.589x0.4625	Reinf. 9 Tension Rupture	68.5%	Pass
103.25 - 100.95	Pole + Reinf.	TP27.6x26.524x0.4563	Reinf. 9 Tension Rupture	71.5%	Pass
100.95 - 95.95	Pole + Reinf.	TP27.442x26.517x0.55	Reinf. 9 Tension Rupture	65.9%	Pass
95.95 - 95	Pole + Reinf.	TP27.617x27.442x0.55	Reinf. 9 Tension Rupture	66.8%	Pass
95 - 94.75	Pole + Reinf.	TP27.663x27.617x0.8	Reinf. 9 Tension Rupture	47.4%	Pass
94.75 - 92.5	Pole + Reinf.	TP28.079x27.663x0.7875	Reinf. 9 Tension Rupture	49.0%	Pass
92.5 - 92.25	Pole + Reinf.	TP28.126x28.079x0.55	Reinf. 8 Tension Rupture	69.4%	Pass
92.25 - 87.75	Pole + Reinf.	TP28.958x28.126x0.5375	Reinf. 8 Tension Rupture	73.3%	Pass
87.75 - 87.5	Pole + Reinf.	TP29.004x28.958x0.8625	Reinf. 8 Tension Rupture	47.3%	Pass
87.5 - 84	Pole + Reinf.	TP29.651x29.004x0.85	Reinf. 8 Tension Rupture	49.4%	Pass
84 - 83.75	Pole + Reinf.	TP29.697x29.651x0.6125	Reinf. 7 Tension Rupture	65.8%	Pass
83.75 - 78.75	Pole + Reinf.	TP30.622x29.697x0.6	Reinf. 7 Tension Rupture	69.2%	Pass
78.75 - 73.75	Pole + Reinf.	TP31.546x30.622x0.5875	Reinf. 7 Tension Rupture	72.5%	Pass
73.75 - 68.75	Pole + Reinf.	TP32.471x31.546x0.5875	Reinf. 7 Tension Rupture	75.4%	Pass
68.75 - 64.75	Pole + Reinf.	TP33.21x32.471x0.575	Reinf. 7 Tension Rupture	77.7%	Pass
64.75 - 64.5	Pole + Reinf.	TP33.257x33.21x0.85	Reinf. 7 Tension Rupture	53.9%	Pass
64.5 - 63.25	Pole + Reinf.	TP33.488x33.257x0.85	Reinf. 7 Tension Rupture	54.5%	Pass
63.25 - 63	Pole + Reinf.	TP33.534x33.488x0.575	Reinf. 6 Tension Rupture	78.6%	Pass
63 - 58	Pole + Reinf.	TP34.459x33.534x0.5625	Reinf. 6 Tension Rupture	81.2%	Pass
58 - 56.75	Pole + Reinf.	TP34.69x34.459x0.5625	Reinf. 6 Tension Rupture	81.8%	Pass
56.75 - 56.5	Pole + Reinf.	TP34.736x34.69x0.9125	Reinf. 6 Tension Rupture	52.3%	Pass
56.5 - 55.25	Pole + Reinf.	TP34.967x34.736x0.9125	Reinf. 6 Tension Rupture	52.7%	Pass
55.25 - 55	Pole + Reinf.	TP35.013x34.967x0.6375	Reinf. 5 Compression	69.3%	Pass

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
55 - 52.05	Pole + Reinf.	TP36.4x35.013x0.6375	Reinf. 5 Compression	70.6%	Pass
52.05 - 47.05	Pole + Reinf.	TP35.88x34.934x0.7	Reinf. 5 Compression	67.7%	Pass
47.05 - 42.05	Pole + Reinf.	TP36.825x35.88x0.6875	Reinf. 5 Compression	69.3%	Pass
42.05 - 37.05	Pole + Reinf.	TP37.771x36.825x0.675	Reinf. 5 Compression	70.8%	Pass
37.05 - 34.95	Pole + Reinf.	TP38.169x37.771x0.675	Reinf. 5 Compression	71.4%	Pass
34.95 - 34.7	Pole + Reinf.	TP38.216x38.169x0.9875	Reinf. 4 Bolt Shear	51.8%	Pass
34.7 - 34.25	Pole + Reinf.	TP38.301x38.216x0.975	Reinf. 5 Bolt Shear	51.9%	Pass
34.25 - 34	Pole + Reinf.	TP38.348x38.301x0.675	Reinf. 4 Compression	71.6%	Pass
34 - 29	Pole + Reinf.	TP39.294x38.348x0.6625	Reinf. 4 Compression	73.0%	Pass
29 - 26.75	Pole + Reinf.	TP39.72x39.294x0.6625	Reinf. 4 Compression	73.5%	Pass
26.75 - 26.5	Pole + Reinf.	TP39.767x39.72x0.95	Reinf. 2 Bolt Shear	53.8%	Pass
26.5 - 25.25	Pole + Reinf.	TP40.003x39.767x0.95	Reinf. 4 Bolt Shear	54.0%	Pass
25.25 - 25	Pole + Reinf.	TP40.051x40.003x0.6625	Reinf. 2 Compression	74.0%	Pass
25 - 20	Pole + Reinf.	TP40.997x40.051x0.65	Reinf. 2 Compression	75.1%	Pass
20 - 16.75	Pole + Reinf.	TP41.611x40.997x0.65	Reinf. 2 Compression	75.8%	Pass
16.75 - 16.5	Pole + Reinf.	TP41.659x41.611x0.7625	Reinf. 3 Compression	69.7%	Pass
16.5 - 14.25	Pole + Reinf.	TP42.084x41.659x0.7625	Reinf. 3 Compression	70.2%	Pass
14.25 - 14	Pole + Reinf.	TP42.132x42.084x0.725	Reinf. 3 Compression	70.6%	Pass
14 - 9	Pole + Reinf.	TP43.077x42.132x0.7125	Reinf. 3 Compression	71.6%	Pass
9 - 4	Pole + Reinf.	TP44.023x43.077x0.7125	Reinf. 3 Compression	72.5%	Pass
4 - 0	Pole + Reinf.	TP44.78x44.023x0.7	Reinf. 3 Bolt Shear	75.8%	Pass
				Summary	
			Pole	71.0%	Pass
			Reinforcement	81.8%	Pass
			Overall	81.8%	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	56.6	Pass
1	Base Plate	0	26.7	Pass
1	Base Foundation (Structure)	0	91.4	Pass
1	Base Foundation (Soil Interaction)	0	71.7	Pass

Structure Rating (max from all components) =	91.4%
---	--------------

Notes:

- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.

4.1) Recommendations

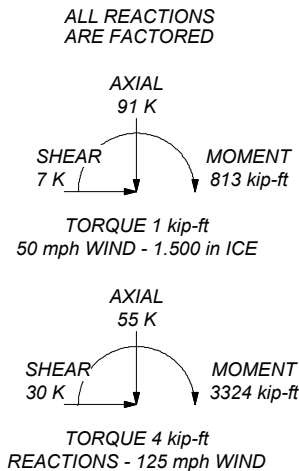
The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT

MATERIAL STRENGTH

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TOWER RATING: 81.8%



 CROWN CASTLE The Pathway to Possible	<i>Crown Castle</i> 2000 Corporate Drive Canonsburg, PA 15317 Phone: (724)416-2000 FAX:		Job: <i>BU 841295</i> Project: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Client: Crown Castle</td> <td style="width: 50%;">Drawn by: Kayla Weimert</td> </tr> <tr> <td>Code: TIA-222-H</td> <td>Date: 11/06/20</td> </tr> </table> Path: C:\Users\kweimert\Desktop\AT HOME - 2020\SAPI Sites\841295\WO 1897980 - SA\Prod\841295 MOD.e		Client: Crown Castle	Drawn by: Kayla Weimert	Code: TIA-222-H	Date: 11/06/20	App'd: Scale: NTS Dwg No. E-1
	Client: Crown Castle	Drawn by: Kayla Weimert							
	Code: TIA-222-H	Date: 11/06/20							

Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

- 3) Tower is located in New Haven County, Connecticut.
- 4) Tower base elevation above sea level: 742.000 ft.
- 5) Basic wind speed of 125 mph.
- 6) Risk Category II.
- 7) Exposure Category B.
- 8) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- 9) Topographic Category: 1.
- 10) Crest Height: 0.000 ft.
- 11) Nominal ice thickness of 1.500 in.
- 12) Ice thickness is considered to increase with height.
- 13) Ice density of 56.000 pcf.
- 14) A wind speed of 50 mph is used in combination with ice.
- 15) Temperature drop of 50.000 °F.
- 16) Deflections calculated using a wind speed of 60 mph.
- 17) TOWER RATING: 81.8%.
- 18) A non-linear (P-delta) analysis was used.
- 19) Pressures are calculated at each section.
- 20) Stress ratio used in pole design is 1.05.
- 21) Tower analysis based on target reliabilities in accordance with Annex S.
- 22) Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- 23) 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.
		Exemption
Include Bolts In Member Capacity	Autocalc Torque Arm Areas	Use TIA-222-H Tension Splice
		Exemption
Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Poles
Secondary Horizontal Braces Leg	√ Sort Capacity Reports By Component	√ Include Shear-Torsion Interaction
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	Always Use Sub-Critical Flow
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	Use Top Mounted Sockets
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	Pole Without Linear Attachments
		Pole With Shroud Or No
		Appurtenances
		Outside and Inside Corner Radii Are
		Known

Tapered Pole Section Geometry

Section	Elevation	Section Length	Splice Length	Number of Sides	Top Diameter	Bottom Diameter	Wall Thickness	Bend Radius	Pole Grade
	ft	ft	ft		in	in	in	in	

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	151.000-146.000	5.000	0.000	12	17.590	18.526	0.219	0.875	A572-65 (65 ksi)
L2	146.000-141.000	5.000	0.000	12	18.526	19.461	0.219	0.875	A572-65 (65 ksi)
L3	141.000-136.000	5.000	0.000	12	19.461	20.397	0.219	0.875	A572-65 (65 ksi)
L4	136.000-131.000	5.000	0.000	12	20.397	21.332	0.219	0.875	A572-65 (65 ksi)
L5	131.000-126.000	5.000	0.000	12	21.332	22.268	0.219	0.875	A572-65 (65 ksi)
L6	126.000-121.000	5.000	0.000	12	22.268	23.203	0.219	0.875	A572-65 (65 ksi)
L7	121.000-118.500	2.500	0.000	12	23.203	23.671	0.219	0.875	A572-65 (65 ksi)
L8	118.500-118.250	0.250	0.000	12	23.671	23.718	0.494	1.975	A572-65 (65 ksi)
L9	118.250-113.250	5.000	0.000	12	23.718	24.653	0.481	1.925	A572-65 (65 ksi)
L10	113.250-108.250	5.000	0.000	12	24.653	25.589	0.469	1.875	A572-65 (65 ksi)
L11	108.250-103.250	5.000	0.000	12	25.589	26.524	0.463	1.850	A572-65 (65 ksi)
L12	103.250-97.500	5.750	3.450	12	26.524	27.600	0.456	1.825	A572-65 (65 ksi)
L13	97.500-95.950	5.000	0.000	12	26.517	27.442	0.550	2.200	A572-65 (65 ksi)
L14	95.950-95.000	0.950	0.000	12	27.442	27.617	0.550	2.200	A572-65 (65 ksi)
L15	95.000-94.750	0.250	0.000	12	27.617	27.663	0.800	3.200	A572-65 (65 ksi)
L16	94.750-92.500	2.250	0.000	12	27.663	28.079	0.787	3.150	A572-65 (65 ksi)
L17	92.500-92.250	0.250	0.000	12	28.079	28.126	0.550	2.200	A572-65 (65 ksi)
L18	92.250-87.750	4.500	0.000	12	28.126	28.958	0.537	2.150	A572-65 (65 ksi)
L19	87.750-87.500	0.250	0.000	12	28.958	29.004	0.863	3.450	A572-65 (65 ksi)
L20	87.500-84.000	3.500	0.000	12	29.004	29.651	0.850	3.400	A572-65 (65 ksi)
L21	84.000-83.750	0.250	0.000	12	29.651	29.697	0.613	2.450	A572-65 (65 ksi)
L22	83.750-78.750	5.000	0.000	12	29.697	30.622	0.600	2.400	A572-65 (65 ksi)
L23	78.750-73.750	5.000	0.000	12	30.622	31.546	0.588	2.350	A572-65 (65 ksi)
L24	73.750-68.750	5.000	0.000	12	31.546	32.471	0.588	2.350	A572-65 (65 ksi)
L25	68.750-64.750	4.000	0.000	12	32.471	33.210	0.575	2.300	A572-65 (65 ksi)
L26	64.750-64.500	0.250	0.000	12	33.210	33.257	0.850	3.400	A572-65 (65 ksi)
L27	64.500-63.250	1.250	0.000	12	33.257	33.488	0.850	3.400	A572-65 (65 ksi)
L28	63.250-63.000	0.250	0.000	12	33.488	33.534	0.575	2.300	A572-65 (65 ksi)
L29	63.000-58.000	5.000	0.000	12	33.534	34.459	0.563	2.250	A572-65 (65 ksi)
L30	58.000-56.750	1.250	0.000	12	34.459	34.690	0.563	2.250	A572-65 (65 ksi)
L31	56.750-56.500	0.250	0.000	12	34.690	34.736	0.912	3.650	A572-65 (65 ksi)
L32	56.500-55.250	1.250	0.000	12	34.736	34.967	0.912	3.650	A572-65 (65 ksi)
L33	55.250-55.000	0.250	0.000	12	34.967	35.013	0.637	2.550	A572-65 (65 ksi)
L34	55.000-47.500	7.500	4.550	12	35.013	36.400	0.637	2.550	A572-65 (65 ksi)
L35	47.500-47.050	5.000	0.000	12	34.934	35.880	0.700	2.800	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	47.050-42.050	5.000	0.000	12	35.880	36.825	0.688	2.750	(65 ksi) A572-65
L37	42.050-37.050	5.000	0.000	12	36.825	37.771	0.675	2.700	(65 ksi) A572-65
L38	37.050-34.950	2.100	0.000	12	37.771	38.169	0.675	2.700	(65 ksi) A572-65
L39	34.950-34.700	0.250	0.000	12	38.169	38.216	0.988	3.950	(65 ksi) A572-65
L40	34.700-34.250	0.450	0.000	12	38.216	38.301	0.975	3.900	(65 ksi) A572-65
L41	34.250-34.000	0.250	0.000	12	38.301	38.348	0.675	2.700	(65 ksi) A572-65
L42	34.000-29.000	5.000	0.000	12	38.348	39.294	0.662	2.650	(65 ksi) A572-65
L43	29.000-26.750	2.250	0.000	12	39.294	39.720	0.662	2.650	(65 ksi) A572-65
L44	26.750-26.500	0.250	0.000	12	39.720	39.767	0.950	3.800	(65 ksi) A572-65
L45	26.500-25.250	1.250	0.000	12	39.767	40.003	0.950	3.800	(65 ksi) A572-65
L46	25.250-25.000	0.250	0.000	12	40.003	40.051	0.662	2.650	(65 ksi) A572-65
L47	25.000-20.000	5.000	0.000	12	40.051	40.997	0.650	2.600	(65 ksi) A572-65
L48	20.000-16.750	3.250	0.000	12	40.997	41.611	0.650	2.600	(65 ksi) A572-65
L49	16.750-16.500	0.250	0.000	12	41.611	41.659	0.762	3.050	(65 ksi) A572-65
L50	16.500-14.250	2.250	0.000	12	41.659	42.084	0.762	3.050	(65 ksi) A572-65
L51	14.250-14.000	0.250	0.000	12	42.084	42.132	0.725	2.900	(65 ksi) A572-65
L52	14.000-9.000	5.000	0.000	12	42.132	43.077	0.713	2.850	(65 ksi) A572-65
L53	9.000-4.000	5.000	0.000	12	43.077	44.023	0.713	2.850	(65 ksi) A572-65
L54	4.000-0.000	4.000		12	44.023	44.780	0.700	2.800	(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	18.133	12.236	471.284	6.219	9.112	51.723	954.950	6.022	4.128	18.87
	19.102	12.895	551.600	6.554	9.596	57.481	1117.692	6.346	4.379	20.016
L2	19.102	12.895	551.600	6.554	9.596	57.481	1117.692	6.346	4.379	20.016
	20.070	13.554	640.559	6.889	10.081	63.542	1297.947	6.671	4.629	21.163
L3	20.070	13.554	640.559	6.889	10.081	63.542	1297.947	6.671	4.629	21.163
	21.039	14.213	738.603	7.224	10.565	69.908	1496.609	6.995	4.880	22.309
L4	21.039	14.213	738.603	7.224	10.565	69.908	1496.609	6.995	4.880	22.309
	22.007	14.872	846.172	7.559	11.050	76.577	1714.574	7.319	5.131	23.455
L5	22.007	14.872	846.172	7.559	11.050	76.577	1714.574	7.319	5.131	23.455
	22.976	15.531	963.709	7.893	11.535	83.549	1952.736	7.644	5.381	24.601
L6	22.976	15.531	963.709	7.893	11.535	83.549	1952.736	7.644	5.381	24.601
	23.944	16.190	1091.656	8.228	12.019	90.826	2211.990	7.968	5.632	25.747
L7	23.944	16.190	1091.656	8.228	12.019	90.826	2211.990	7.968	5.632	25.747
	24.429	16.519	1159.670	8.396	12.261	94.578	2349.807	8.130	5.758	26.32
L8	24.429	16.519	1159.670	8.396	12.261	94.578	2349.807	8.130	5.758	26.32
	24.332	36.849	2526.537	8.297	12.261	206.055	5119.450	18.136	5.021	10.168
	24.380	36.923	2541.865	8.314	12.286	206.896	5150.508	18.172	5.033	10.194
L9	24.385	36.008	2481.517	8.319	12.286	201.984	5028.226	17.722	5.067	10.528
	25.353	37.457	2793.469	8.654	12.770	218.747	5660.326	18.435	5.317	11.049
L10	25.357	36.503	2725.135	8.658	12.770	213.396	5521.862	17.966	5.351	11.415
	26.326	37.915	3053.772	8.993	13.255	230.388	6187.769	18.661	5.602	11.95
L11	26.328	37.419	3015.304	8.995	13.255	227.486	6109.824	18.417	5.618	12.148

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
L12	27.297	38.812	3364.804	9.330	13.740	244.900	6818.004	19.102	5.869	12.69
	27.299	38.297	3321.722	9.332	13.740	241.764	6730.709	18.849	5.886	12.9
	28.413	39.878	3750.198	9.717	14.297	262.310	7598.919	19.627	6.174	13.532
L13	27.919	45.988	3957.944	9.296	13.736	288.148	8019.867	22.634	5.633	10.241
	28.216	47.625	4395.920	9.627	14.215	309.252	8907.327	23.440	5.880	10.691
L14	28.216	47.625	4395.920	9.627	14.215	309.252	8907.327	23.440	5.880	10.691
	28.397	47.936	4482.627	9.690	14.306	313.346	9083.019	23.593	5.927	10.777
L15	28.309	69.081	6341.182	9.601	14.306	443.263	12848.954	34.000	5.257	6.572
	28.357	69.200	6374.030	9.617	14.330	444.815	12915.513	34.058	5.270	6.587
L16	28.361	68.151	6283.199	9.622	14.330	438.476	12731.464	33.542	5.303	6.734
	28.792	69.205	6579.524	9.771	14.545	452.352	13331.899	34.061	5.415	6.876
L17	28.876	48.755	4716.236	9.856	14.545	324.248	9556.372	23.996	6.051	11.002
	28.924	48.836	4740.033	9.872	14.569	325.349	9604.592	24.036	6.064	11.025
L18	28.928	47.748	4638.608	9.877	14.569	318.387	9399.076	23.500	6.097	11.344
	29.790	49.188	5071.094	10.174	15.000	338.071	10275.412	24.209	6.320	11.758
L19	29.675	78.027	7861.353	10.058	15.000	524.087	15929.233	38.403	5.449	6.318
	29.723	78.156	7900.220	10.075	15.024	525.839	16007.988	38.466	5.462	6.332
L20	29.727	77.057	7796.104	10.079	15.024	518.909	15797.020	37.925	5.495	6.465
	30.397	78.829	8346.169	10.311	15.359	543.397	16911.600	38.797	5.668	6.669
L21	30.481	57.271	6164.163	10.396	15.359	401.332	12490.266	28.187	6.305	10.294
	30.529	57.363	6193.648	10.412	15.383	402.624	12550.009	28.232	6.317	10.314
L22	30.533	56.216	6075.073	10.417	15.383	394.916	12309.744	27.668	6.351	10.585
	31.490	58.002	6672.737	10.748	15.862	420.672	13520.773	28.547	6.599	10.998
L23	31.495	56.817	6541.886	10.752	15.862	412.422	13255.634	27.964	6.632	11.289
	32.452	58.566	7164.785	11.083	16.341	438.455	14517.796	28.825	6.880	11.71
L24	32.452	58.566	7164.785	11.083	16.341	438.455	14517.796	28.825	6.880	11.71
	33.409	60.315	7826.020	11.414	16.820	465.284	15857.638	29.685	7.128	12.132
L25	33.413	59.055	7668.521	11.419	16.820	455.920	15538.503	29.065	7.161	12.454
	34.179	60.425	8214.444	11.683	17.203	477.500	16644.691	29.739	7.359	12.799
L26	34.082	88.571	11838.703	11.585	17.203	688.176	23988.421	43.592	6.622	7.791
	34.130	88.697	11889.508	11.602	17.227	690.169	24091.367	43.654	6.635	7.806
L27	34.130	88.697	11889.508	11.602	17.227	690.169	24091.367	43.654	6.635	7.806
	34.369	89.330	12145.718	11.684	17.347	700.175	24610.518	43.965	6.697	7.879
L28	34.466	60.938	8425.661	11.783	17.347	485.722	17072.674	29.992	7.434	12.928
	34.514	61.024	8461.212	11.799	17.371	487.099	17144.710	30.034	7.446	12.95
L29	34.519	59.720	8286.694	11.804	17.371	477.052	16791.089	29.392	7.480	13.297
	35.476	61.394	9003.490	12.135	17.850	504.411	18243.511	30.216	7.727	13.738
L30	35.476	61.394	9003.490	12.135	17.850	504.411	18243.511	30.216	7.727	13.738
	35.715	61.813	9188.925	12.218	17.969	511.370	18619.253	30.422	7.789	13.848
L31	35.591	99.246	14452.534	12.092	17.969	804.293	29284.752	48.846	6.851	7.508
	35.639	99.382	14511.952	12.109	17.993	806.525	29405.149	48.913	6.864	7.522
L32	35.639	99.382	14511.952	12.109	17.993	806.525	29405.149	48.913	6.864	7.522
	35.879	100.061	14811.486	12.192	18.113	817.731	30012.086	49.247	6.926	7.59
L33	35.976	70.470	10600.463	12.290	18.113	585.243	21479.413	34.683	7.663	12.02
	36.023	70.565	10643.342	12.307	18.137	586.835	21566.297	34.730	7.675	12.039
L34	36.023	70.565	10643.342	12.307	18.137	586.835	21566.297	34.730	7.675	12.039
	37.459	73.411	11984.105	12.803	18.855	635.586	24283.047	36.131	8.047	12.622
L35	36.810	77.163	11542.536	12.256	18.096	637.862	23388.308	37.977	7.486	10.695
	36.898	79.295	12525.948	12.594	18.586	673.960	25380.966	39.026	7.740	11.057
L36	36.903	77.906	12315.388	12.599	18.586	662.630	24954.316	38.343	7.773	11.306
	37.882	80.000	13335.312	12.937	19.076	699.079	27020.957	39.374	8.027	11.675
L37	37.886	78.573	13106.442	12.942	19.076	687.080	26557.206	38.671	8.060	11.941
	38.866	80.629	14162.357	13.280	19.566	723.843	28696.776	39.683	8.314	12.317
L38	38.866	80.629	14162.357	13.280	19.566	723.843	28696.776	39.683	8.314	12.317
	39.277	81.492	14622.234	13.423	19.771	739.569	29628.610	40.108	8.420	12.474
L39	39.167	118.226	20861.345	13.311	19.771	1055.133	42270.741	58.187	7.583	7.679
	39.216	118.377	20941.050	13.328	19.796	1057.854	42432.245	58.261	7.595	7.691
L40	39.220	116.917	20696.808	13.332	19.796	1045.516	41937.343	57.543	7.629	7.824
	39.308	117.185	20839.061	13.363	19.840	1050.362	42225.588	57.675	7.652	7.848
L41	39.414	81.780	14777.709	13.470	19.840	744.849	29943.646	40.250	8.456	12.527
	39.463	81.883	14833.502	13.487	19.864	746.739	30056.698	40.300	8.468	12.546
L42	39.467	80.393	14573.305	13.491	19.864	733.640	29529.466	39.567	8.502	12.833
	40.447	82.411	15698.375	13.830	20.354	771.255	31809.163	40.560	8.755	13.216
L43	40.447	82.411	15698.375	13.830	20.354	771.255	31809.163	40.560	8.755	13.216
	40.887	83.319	16222.994	13.982	20.575	788.488	32872.185	41.007	8.869	13.388
L44	40.786	118.597	22753.214	13.880	20.575	1105.878	46104.180	58.370	8.099	8.525
	40.835	118.741	22836.581	13.896	20.599	1108.609	46273.104	58.441	8.112	8.538
L45	40.835	118.741	22836.581	13.896	20.599	1108.609	46273.104	58.441	8.112	8.538
	41.080	119.465	23256.471	13.981	20.722	1122.320	47123.915	58.797	8.175	8.605
L46	41.181	83.924	16579.155	14.084	20.722	800.083	33593.864	41.305	8.945	13.503

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
L47	41.230	84.025	16639.018	14.101	20.746	802.024	33715.161	41.355	8.958	13.522
	41.234	82.466	16340.621	14.105	20.746	787.641	33110.529	40.587	8.992	13.833
	42.214	84.445	17545.912	14.444	21.236	826.225	35552.774	41.561	9.245	14.223
L48	42.214	84.445	17545.912	14.444	21.236	826.225	35552.774	41.561	9.245	14.223
	42.850	85.732	18360.292	14.664	21.555	851.800	37202.929	42.195	9.410	14.477
L49	42.810	100.294	21361.060	14.624	21.555	991.016	43283.299	49.362	9.108	11.945
	42.859	100.410	21435.338	14.641	21.579	993.333	43433.805	49.419	9.121	11.962
L50	42.859	100.410	21435.338	14.641	21.579	993.333	43433.805	49.419	9.121	11.962
	43.300	101.455	22111.601	14.793	21.800	1014.308	44804.098	49.933	9.235	12.112
L51	43.313	96.553	21081.436	14.807	21.800	967.053	42716.705	47.521	9.336	12.877
	43.362	96.664	21153.836	14.824	21.824	969.284	42863.406	47.575	9.348	12.894
L52	43.367	95.026	20807.948	14.828	21.824	953.436	42162.544	46.769	9.382	13.167
	44.346	97.196	22266.265	15.167	22.314	997.855	45117.490	47.837	9.635	13.523
L53	44.346	97.196	22266.265	15.167	22.314	997.855	45117.490	47.837	9.635	13.523
	45.325	99.366	23791.175	15.505	22.804	1043.286	48207.371	48.905	9.889	13.879
L54	45.329	97.651	23394.030	15.510	22.804	1025.870	47402.647	48.061	9.922	14.175
	46.113	99.356	24641.357	15.781	23.196	1062.309	49930.070	48.900	10.125	14.464

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 151.000- 146.000				1	1	1			
L2 146.000- 141.000				1	1	1			
L3 141.000- 136.000				1	1	1			
L4 136.000- 131.000				1	1	1			
L5 131.000- 126.000				1	1	1			
L6 126.000- 121.000				1	1	1			
L7 121.000- 118.500				1	1	1			
L8 118.500- 118.250				1	1	0.936483			
L9 118.250- 113.250				1	1	0.940717			
L10 113.250- 108.250				1	1	0.946734			
L11 108.250- 103.250				1	1	0.941832			
L12 103.250- 97.500				1	1	0.94679			
L13 97.500- 95.950				1	1	0.951696			
L14 95.950- 95.000				1	1	0.949207			
L15 95.000- 94.750				1	1	0.91869			
L16 94.750- 92.500				1	1	0.924668			
L17 92.500- 92.250				1	1	0.942181			
L18 92.250- 87.750				1	1	0.952464			
L19 87.750- 87.500				1	1	0.912364			
L20 87.500- 84.000				1	1	0.912838			
L21 84.000- 83.750				1	1	0.941005			
L22 83.750- 78.750				1	1	0.946667			
L23 78.750- 73.750				1	1	0.953431			

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							
L24 73.750- 68.750				1	1	0.941208			
L25 68.750- 64.750				1	1	0.951824			
L26 64.750- 64.500				1	1	0.924157			
L27 64.500- 63.250				1	1	0.920216			
L28 63.250- 63.000				1	1	0.947815			
L29 63.000- 58.000				1	1	0.957247			
L30 58.000- 56.750				1	1	0.954526			
L31 56.750- 56.500				1	1	0.915353			
L32 56.500- 55.250				1	1	0.911464			
L33 55.250- 55.000				1	1	0.947191			
L34 55.000- 47.500				1	1	0.940053			
L35 47.500- 47.050				1	1	0.943221			
L36 47.050- 42.050				1	1	0.949179			
L37 42.050- 37.050				1	1	0.955946			
L38 37.050- 34.950				1	1	0.951704			
L39 34.950- 34.700				1	1	0.925302			
L40 34.700- 34.250				1	1	0.935591			
L41 34.250- 34.000				1	1	0.949814			
L42 34.000- 29.000				1	1	0.957587			
L43 29.000- 26.750				1	1	0.95332			
L44 26.750- 26.500				1	1	0.938236			
L45 26.500- 25.250				1	1	0.934945			
L46 25.250- 25.000				1	1	0.950065			
L47 25.000- 20.000				1	1	0.958859			
L48 20.000- 16.750				1	1	0.953127			
L49 16.750- 16.500				1	1	1.0263			
L50 16.500- 14.250				1	1	1.02079			
L51 14.250- 14.000				1	1	0.961912			
L52 14.000- 9.000				1	1	0.968397			
L53 9.000- 4.000				1	1	0.958743			
L54 4.000- 0.000				1	1	0.968031			

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 klf

Sabre MS-850 (8.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	20.500 - 0.500	1	1	0.150 0.175	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	20.500 - 0.500	1	1	-0.175 -0.150	8.500	19.500	0.000
*										
Sabre MS-850 (8.5" x 1.25" Plate)	A	No	Surface Af (CaAa)	30.500 - 0.500	1	1	0.100 0.125	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	B	No	Surface Af (CaAa)	30.500 - 0.500	1	1	0.100 0.125	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	30.500 - 10.500	1	1	0.100 0.125	8.500	19.500	0.000
*										
Sabre MS-850 (8.5" x 1.25" Plate)	A	No	Surface Af (CaAa)	38.700 - 21.500	1	1	0.150 0.175	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	B	No	Surface Af (CaAa)	38.700 - 21.500	1	1	0.150 0.175	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	38.700 - 21.500	1	1	0.150 0.175	8.500	19.500	0.000
*										
Sabre MS-850 (8.5" x 1.25" Plate)	A	No	Surface Af (CaAa)	60.500 - 30.500	1	1	0.100 0.125	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	B	No	Surface Af (CaAa)	60.500 - 30.500	1	1	0.100 0.125	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	60.500 - 30.500	1	1	0.100 0.125	8.500	19.500	0.000
*										
Sabre MS-650 (6.5" x 1.25" Plate)	A	No	Surface Af (CaAa)	67.500 - 52.500	1	1	0.150 0.175	6.500	15.500	0.000
Sabre MS-650 (6.5" x 1.25" Plate)	B	No	Surface Af (CaAa)	67.500 - 52.500	1	1	0.150 0.175	6.500	15.500	0.000
Sabre MS-650 (6.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	67.500 - 52.500	1	1	0.150 0.175	6.500	15.500	0.000
*										
Sabre MS-650 (6.5" x 1.25" Plate)	A	No	Surface Af (CaAa)	90.500 - 60.500	1	1	0.100 0.125	6.500	15.500	0.000
Sabre MS-650 (6.5" x 1.25" Plate)	B	No	Surface Af (CaAa)	90.500 - 60.500	1	1	0.100 0.125	6.500	15.500	0.000
Sabre MS-650 (6.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	90.500 - 60.500	1	1	0.100 0.125	6.500	15.500	0.000
*										
Sabre MS-600 (6" x 1" Plate)	A	No	Surface Af (CaAa)	97.000 - 82.000	1	1	0.150 0.175	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate)	B	No	Surface Af (CaAa)	97.000 - 82.000	1	1	0.150 0.175	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate)	C	No	Surface Af (CaAa)	97.000 - 82.000	1	1	0.150 0.175	6.000	14.000	0.000
*										
Sabre MS-600 (6" x 1" Plate)	A	No	Surface Af (CaAa)	120.500 - 90.500	1	1	0.100 0.125	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate)	B	No	Surface Af (CaAa)	120.500 - 90.500	1	1	0.100 0.125	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate)	C	No	Surface Af (CaAa)	120.500 - 90.500	1	1	0.100 0.125	6.000	14.000	0.000
*										
MP3-03 (Surface Af)	A	No	Surface Af (CaAa)	126.500 - 116.500	1	1	0.200 0.225	4.060	11.260	0.010
MP3-03 (Surface Af)	B	No	Surface Af (CaAa)	126.500 - 116.500	1	1	0.200 0.225	4.060	11.260	0.010
MP3-03 (Surface Af)	C	No	Surface Af (CaAa)	126.500 - 116.500	1	1	0.200 0.225	4.060	11.260	0.010

AL7-50(1-5/8)	B	No	Surface Ar (CaAa)	122.000 - 0.000	7	4	0.000 0.250	1.960		0.001

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 klf

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		CAAA ft ² /ft	Weight klf

Safety Line 3/8	A	No	No	CaAa (Out Of Face)	151.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.037 0.137 0.238 0.437	0.000 0.001 0.001 0.002

LDF7-50A(1-5/8)	A	No	No	Inside Pole	148.000 - 0.000	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
810921-001(7/8)	A	No	No	Inside Pole	148.000 - 0.000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
FB-L98B-034- XXX(3/8)	A	No	No	Inside Pole	148.000 - 0.000	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
WR-VG66ST- BRD_CCIV2(7/8)	A	No	No	Inside Pole	148.000 - 0.000	4	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
WR-VG86ST- BRD(3/4)	A	No	No	Inside Pole	148.000 - 0.000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
2" Rigid Conduit	A	No	No	Inside Pole	148.000 - 0.000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.003 0.003 0.003 0.003

LDF7-50A(1-5/8)	B	No	No	Inside Pole	138.000 - 0.000	12	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
HB158-1-08U8- S8J18(1-5/8)	B	No	No	Inside Pole	138.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001

LDF4-50A(1/2)	C	No	No	Inside Pole	130.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
LDF7-50A(1-5/8)	C	No	No	Inside Pole	130.000 - 0.000	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
HB114-21U3M12- XXXF(1-1/4)	C	No	No	Inside Pole	130.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001

Feed Line/Linear Appurtenances Section Areas

Tower Section n	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	151.000-146.000	A	0.000	0.000	0.000	0.188	0.033
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000
L2	146.000-141.000	A	0.000	0.000	0.000	0.188	0.082
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000
L3	141.000-136.000	A	0.000	0.000	0.000	0.188	0.082
		B	0.000	0.000	0.000	0.000	0.022
		C	0.000	0.000	0.000	0.000	0.000
L4	136.000-131.000	A	0.000	0.000	0.000	0.188	0.082
		B	0.000	0.000	0.000	0.000	0.056
		C	0.000	0.000	0.000	0.000	0.000
L5	131.000-126.000	A	0.000	0.000	0.338	0.188	0.087
		B	0.000	0.000	0.338	0.000	0.061
		C	0.000	0.000	0.338	0.000	0.020
L6	126.000-121.000	A	0.000	0.000	3.383	0.188	0.131
		B	0.000	0.000	4.167	0.000	0.109
		C	0.000	0.000	3.383	0.000	0.069
L7	121.000-118.500	A	0.000	0.000	3.692	0.094	0.066
		B	0.000	0.000	5.652	0.000	0.062
		C	0.000	0.000	3.692	0.000	0.034
L8	118.500-118.250	A	0.000	0.000	0.419	0.009	0.007
		B	0.000	0.000	0.615	0.000	0.006
		C	0.000	0.000	0.419	0.000	0.003
L9	118.250-113.250	A	0.000	0.000	6.184	0.188	0.099
		B	0.000	0.000	10.104	0.000	0.091
		C	0.000	0.000	6.184	0.000	0.036
L10	113.250-108.250	A	0.000	0.000	5.000	0.188	0.082
		B	0.000	0.000	8.920	0.000	0.074
		C	0.000	0.000	5.000	0.000	0.019
L11	108.250-103.250	A	0.000	0.000	5.000	0.188	0.082
		B	0.000	0.000	8.920	0.000	0.074
		C	0.000	0.000	5.000	0.000	0.019
L12	103.250-97.500	A	0.000	0.000	5.750	0.216	0.094
		B	0.000	0.000	10.258	0.000	0.085
		C	0.000	0.000	5.750	0.000	0.022
L13	97.500-95.950	A	0.000	0.000	2.600	0.058	0.025
		B	0.000	0.000	3.815	0.000	0.023
		C	0.000	0.000	2.600	0.000	0.006
L14	95.950-95.000	A	0.000	0.000	1.900	0.036	0.016
		B	0.000	0.000	2.645	0.000	0.014
		C	0.000	0.000	1.900	0.000	0.004
L15	95.000-94.750	A	0.000	0.000	0.500	0.009	0.004
		B	0.000	0.000	0.696	0.000	0.004
		C	0.000	0.000	0.500	0.000	0.001
L16	94.750-92.500	A	0.000	0.000	4.500	0.084	0.037
		B	0.000	0.000	6.264	0.000	0.033
		C	0.000	0.000	4.500	0.000	0.009
L17	92.500-92.250	A	0.000	0.000	0.500	0.009	0.004
		B	0.000	0.000	0.696	0.000	0.004
		C	0.000	0.000	0.500	0.000	0.001
L18	92.250-87.750	A	0.000	0.000	9.229	0.169	0.074
		B	0.000	0.000	12.757	0.000	0.067
		C	0.000	0.000	9.229	0.000	0.017
L19	87.750-87.500	A	0.000	0.000	0.521	0.009	0.004
		B	0.000	0.000	0.717	0.000	0.004
		C	0.000	0.000	0.521	0.000	0.001
L20	87.500-84.000	A	0.000	0.000	7.292	0.131	0.057
		B	0.000	0.000	10.036	0.000	0.052
		C	0.000	0.000	7.292	0.000	0.013
L21	84.000-83.750	A	0.000	0.000	0.521	0.009	0.004
		B	0.000	0.000	0.717	0.000	0.004

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
L22	83.750-78.750	C	0.000	0.000	0.521	0.000	0.001
		A	0.000	0.000	7.167	0.188	0.082
		B	0.000	0.000	11.087	0.000	0.074
L23	78.750-73.750	C	0.000	0.000	7.167	0.000	0.019
		A	0.000	0.000	5.417	0.188	0.082
		B	0.000	0.000	9.337	0.000	0.074
L24	73.750-68.750	C	0.000	0.000	5.417	0.000	0.019
		A	0.000	0.000	5.417	0.188	0.082
		B	0.000	0.000	9.337	0.000	0.074
L25	68.750-64.750	C	0.000	0.000	5.417	0.000	0.019
		A	0.000	0.000	7.313	0.150	0.066
		B	0.000	0.000	10.448	0.000	0.059
L26	64.750-64.500	C	0.000	0.000	7.313	0.000	0.015
		A	0.000	0.000	0.542	0.009	0.004
		B	0.000	0.000	0.738	0.000	0.004
L27	64.500-63.250	C	0.000	0.000	0.542	0.000	0.001
		A	0.000	0.000	2.708	0.047	0.020
		B	0.000	0.000	3.688	0.000	0.018
L28	63.250-63.000	C	0.000	0.000	2.708	0.000	0.005
		A	0.000	0.000	0.542	0.009	0.004
		B	0.000	0.000	0.738	0.000	0.004
L29	63.000-58.000	C	0.000	0.000	0.542	0.000	0.001
		A	0.000	0.000	11.667	0.188	0.082
		B	0.000	0.000	15.587	0.000	0.074
L30	58.000-56.750	C	0.000	0.000	11.667	0.000	0.019
		A	0.000	0.000	3.125	0.047	0.020
		B	0.000	0.000	4.105	0.000	0.018
L31	56.750-56.500	C	0.000	0.000	3.125	0.000	0.005
		A	0.000	0.000	0.625	0.009	0.004
		B	0.000	0.000	0.821	0.000	0.004
L32	56.500-55.250	C	0.000	0.000	0.625	0.000	0.001
		A	0.000	0.000	3.125	0.047	0.020
		B	0.000	0.000	4.105	0.000	0.018
L33	55.250-55.000	C	0.000	0.000	3.125	0.000	0.005
		A	0.000	0.000	0.625	0.009	0.004
		B	0.000	0.000	0.821	0.000	0.004
L34	55.000-47.500	C	0.000	0.000	0.625	0.000	0.001
		A	0.000	0.000	13.333	0.281	0.123
		B	0.000	0.000	19.213	0.000	0.111
L35	47.500-47.050	C	0.000	0.000	13.333	0.000	0.029
		A	0.000	0.000	0.637	0.017	0.007
		B	0.000	0.000	0.990	0.000	0.007
L36	47.050-42.050	C	0.000	0.000	0.637	0.000	0.002
		A	0.000	0.000	7.083	0.188	0.082
		B	0.000	0.000	11.003	0.000	0.074
L37	42.050-37.050	C	0.000	0.000	7.083	0.000	0.019
		A	0.000	0.000	9.383	0.188	0.082
		B	0.000	0.000	13.303	0.000	0.074
L38	37.050-34.950	C	0.000	0.000	9.383	0.000	0.019
		A	0.000	0.000	5.902	0.079	0.034
		B	0.000	0.000	7.548	0.000	0.031
L39	34.950-34.700	C	0.000	0.000	5.902	0.000	0.008
		A	0.000	0.000	0.703	0.009	0.004
		B	0.000	0.000	0.899	0.000	0.004
L40	34.700-34.250	C	0.000	0.000	0.703	0.000	0.001
		A	0.000	0.000	1.265	0.017	0.007
		B	0.000	0.000	1.617	0.000	0.007
L41	34.250-34.000	C	0.000	0.000	1.265	0.000	0.002
		A	0.000	0.000	0.703	0.009	0.004
		B	0.000	0.000	0.899	0.000	0.004
L42	34.000-29.000	C	0.000	0.000	0.703	0.000	0.001
		A	0.000	0.000	14.051	0.188	0.082
		B	0.000	0.000	17.971	0.000	0.074
L43	29.000-26.750	C	0.000	0.000	14.051	0.000	0.019
		A	0.000	0.000	6.323	0.084	0.037
		B	0.000	0.000	8.087	0.000	0.033
L44	26.750-26.500	C	0.000	0.000	6.323	0.000	0.009
		A	0.000	0.000	0.703	0.009	0.004
		B	0.000	0.000	0.899	0.000	0.004

Tower Section	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L45	26.500-25.250	C	0.000	0.000	0.703	0.000	0.001
		A	0.000	0.000	3.513	0.047	0.020
		B	0.000	0.000	4.493	0.000	0.018
L46	25.250-25.000	C	0.000	0.000	3.513	0.000	0.005
		A	0.000	0.000	0.703	0.009	0.004
		B	0.000	0.000	0.899	0.000	0.004
L47	25.000-20.000	C	0.000	0.000	0.703	0.000	0.001
		A	0.000	0.000	11.961	0.188	0.082
		B	0.000	0.000	15.881	0.000	0.074
L48	20.000-16.750	C	0.000	0.000	13.378	0.000	0.019
		A	0.000	0.000	4.604	0.122	0.053
		B	0.000	0.000	7.152	0.000	0.048
L49	16.750-16.500	C	0.000	0.000	13.813	0.000	0.012
		A	0.000	0.000	0.354	0.009	0.004
		B	0.000	0.000	0.550	0.000	0.004
L50	16.500-14.250	C	0.000	0.000	1.063	0.000	0.001
		A	0.000	0.000	3.188	0.084	0.037
		B	0.000	0.000	4.952	0.000	0.033
L51	14.250-14.000	C	0.000	0.000	9.563	0.000	0.009
		A	0.000	0.000	0.354	0.009	0.004
		B	0.000	0.000	0.550	0.000	0.004
L52	14.000-9.000	C	0.000	0.000	1.063	0.000	0.001
		A	0.000	0.000	7.083	0.188	0.082
		B	0.000	0.000	11.003	0.000	0.074
L53	9.000-4.000	C	0.000	0.000	19.125	0.000	0.019
		A	0.000	0.000	7.083	0.188	0.082
		B	0.000	0.000	11.003	0.000	0.074
L54	4.000-0.000	C	0.000	0.000	14.167	0.000	0.019
		A	0.000	0.000	4.958	0.150	0.066
		B	0.000	0.000	8.094	0.000	0.059
		C	0.000	0.000	9.917	0.000	0.015

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L1	151.000-146.000	A	1.482	0.000	0.000	0.000	1.669	0.041
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000
L2	146.000-141.000	A	1.477	0.000	0.000	0.000	1.664	0.090
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000
L3	141.000-136.000	A	1.472	0.000	0.000	0.000	1.659	0.090
		B		0.000	0.000	0.000	0.000	0.022
		C		0.000	0.000	0.000	0.000	0.000
L4	136.000-131.000	A	1.466	0.000	0.000	0.000	1.654	0.090
		B		0.000	0.000	0.000	0.000	0.056
		C		0.000	0.000	0.000	0.000	0.000
L5	131.000-126.000	A	1.461	0.000	0.000	0.431	1.648	0.099
		B		0.000	0.000	0.431	0.000	0.065
		C		0.000	0.000	0.431	0.000	0.025
L6	126.000-121.000	A	1.455	0.000	0.000	4.304	1.642	0.187
		B		0.000	0.000	5.647	0.000	0.173
		C		0.000	0.000	4.304	0.000	0.116
L7	121.000-118.500	A	1.450	0.000	0.000	4.731	0.819	0.115
		B		0.000	0.000	8.087	0.000	0.148
		C		0.000	0.000	4.731	0.000	0.080
L8	118.500-118.250	A	1.449	0.000	0.000	0.537	0.082	0.012
		B		0.000	0.000	0.873	0.000	0.015
		C		0.000	0.000	0.537	0.000	0.009
L9	118.250-113.250	A	1.445	0.000	0.000	7.950	1.633	0.178
		B		0.000	0.000	14.657	0.000	0.244
		C		0.000	0.000	7.950	0.000	0.108
L10	113.250-108.250	A	1.439	0.000	0.000	6.439	1.627	0.144
		B		0.000	0.000	13.138	0.000	0.209

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
L11	108.250-103.250	C		0.000	0.000	6.439	0.000	0.074
		A	1.432	0.000	0.000	6.432	1.620	0.144
		B		0.000	0.000	13.123	0.000	0.209
		C		0.000	0.000	6.432	0.000	0.073
L12	103.250-97.500	A	1.425	0.000	0.000	7.389	1.854	0.165
		B		0.000	0.000	15.072	0.000	0.239
		C		0.000	0.000	7.389	0.000	0.084
L13	97.500-95.950	A	1.420	0.000	0.000	3.278	0.500	0.056
		B		0.000	0.000	5.349	0.000	0.076
		C		0.000	0.000	3.278	0.000	0.034
L14	95.950-95.000	A	1.418	0.000	0.000	2.382	0.305	0.037
		B		0.000	0.000	3.649	0.000	0.049
		C		0.000	0.000	2.382	0.000	0.024
L15	95.000-94.750	A	1.417	0.000	0.000	0.627	0.080	0.010
		B		0.000	0.000	0.960	0.000	0.013
		C		0.000	0.000	0.627	0.000	0.006
L16	94.750-92.500	A	1.415	0.000	0.000	5.639	0.721	0.088
		B		0.000	0.000	8.640	0.000	0.117
		C		0.000	0.000	5.639	0.000	0.057
L17	92.500-92.250	A	1.413	0.000	0.000	0.626	0.080	0.010
		B		0.000	0.000	0.960	0.000	0.013
		C		0.000	0.000	0.626	0.000	0.006
L18	92.250-87.750	A	1.410	0.000	0.000	11.500	1.437	0.178
		B		0.000	0.000	17.495	0.000	0.235
		C		0.000	0.000	11.500	0.000	0.115
L19	87.750-87.500	A	1.406	0.000	0.000	0.647	0.080	0.010
		B		0.000	0.000	0.980	0.000	0.013
		C		0.000	0.000	0.647	0.000	0.006
L20	87.500-84.000	A	1.403	0.000	0.000	9.051	1.113	0.139
		B		0.000	0.000	13.708	0.000	0.184
		C		0.000	0.000	9.051	0.000	0.090
L21	84.000-83.750	A	1.400	0.000	0.000	0.646	0.079	0.010
		B		0.000	0.000	0.979	0.000	0.013
		C		0.000	0.000	0.646	0.000	0.006
L22	83.750-78.750	A	1.395	0.000	0.000	8.949	1.583	0.164
		B		0.000	0.000	15.593	0.000	0.227
		C		0.000	0.000	8.949	0.000	0.094
L23	78.750-73.750	A	1.386	0.000	0.000	6.803	1.574	0.145
		B		0.000	0.000	13.436	0.000	0.208
		C		0.000	0.000	6.803	0.000	0.075
L24	73.750-68.750	A	1.377	0.000	0.000	6.794	1.564	0.145
		B		0.000	0.000	13.415	0.000	0.207
		C		0.000	0.000	6.794	0.000	0.075
L25	68.750-64.750	A	1.368	0.000	0.000	8.911	1.244	0.146
		B		0.000	0.000	14.199	0.000	0.195
		C		0.000	0.000	8.911	0.000	0.090
L26	64.750-64.500	A	1.364	0.000	0.000	0.656	0.078	0.010
		B		0.000	0.000	0.986	0.000	0.013
		C		0.000	0.000	0.656	0.000	0.006
L27	64.500-63.250	A	1.362	0.000	0.000	3.277	0.387	0.050
		B		0.000	0.000	4.928	0.000	0.065
		C		0.000	0.000	3.277	0.000	0.032
L28	63.250-63.000	A	1.360	0.000	0.000	0.655	0.077	0.010
		B		0.000	0.000	0.985	0.000	0.013
		C		0.000	0.000	0.655	0.000	0.006
L29	63.000-58.000	A	1.355	0.000	0.000	13.931	1.542	0.203
		B		0.000	0.000	20.525	0.000	0.264
		C		0.000	0.000	13.931	0.000	0.133
L30	58.000-56.750	A	1.348	0.000	0.000	3.688	0.384	0.052
		B		0.000	0.000	5.335	0.000	0.067
		C		0.000	0.000	3.688	0.000	0.034
L31	56.750-56.500	A	1.346	0.000	0.000	0.738	0.077	0.010
		B		0.000	0.000	1.067	0.000	0.013
		C		0.000	0.000	0.738	0.000	0.007
L32	56.500-55.250	A	1.344	0.000	0.000	3.687	0.383	0.052
		B		0.000	0.000	5.332	0.000	0.067
		C		0.000	0.000	3.687	0.000	0.034
L33	55.250-55.000	A	1.342	0.000	0.000	0.737	0.076	0.010
		B		0.000	0.000	1.066	0.000	0.013

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	C_{AA} In Face ft ²	C_{AA} Out Face ft ²	Weight K
L34	55.000-47.500	C	1.332	0.000	0.000	0.737	0.000	0.007
		A		0.000	0.000	15.781	2.280	0.256
		B		0.000	0.000	25.629	0.000	0.345
L35	47.500-47.050	C	1.322	0.000	0.000	15.781	0.000	0.151
		A		0.000	0.000	0.757	0.137	0.014
		B		0.000	0.000	1.348	0.000	0.019
L36	47.050-42.050	C	1.314	0.000	0.000	0.757	0.000	0.007
		A		0.000	0.000	8.397	1.501	0.151
		B		0.000	0.000	14.939	0.000	0.210
L37	42.050-37.050	C	1.298	0.000	0.000	8.397	0.000	0.082
		A		0.000	0.000	10.909	1.486	0.171
		B		0.000	0.000	17.432	0.000	0.229
L38	37.050-34.950	C	1.286	0.000	0.000	10.909	0.000	0.101
		A		0.000	0.000	6.729	0.619	0.088
		B		0.000	0.000	9.462	0.000	0.113
L39	34.950-34.700	C	1.282	0.000	0.000	6.729	0.000	0.059
		A		0.000	0.000	0.801	0.073	0.011
		B		0.000	0.000	1.126	0.000	0.013
L40	34.700-34.250	C	1.281	0.000	0.000	0.801	0.000	0.007
		A		0.000	0.000	1.441	0.132	0.019
		B		0.000	0.000	2.026	0.000	0.024
L41	34.250-34.000	C	1.279	0.000	0.000	1.441	0.000	0.013
		A		0.000	0.000	0.801	0.073	0.010
		B		0.000	0.000	1.126	0.000	0.013
L42	34.000-29.000	C	1.269	0.000	0.000	0.801	0.000	0.007
		A		0.000	0.000	15.996	1.457	0.209
		B		0.000	0.000	22.482	0.000	0.265
L43	29.000-26.750	C	1.254	0.000	0.000	15.920	0.000	0.139
		A		0.000	0.000	7.188	0.649	0.093
		B		0.000	0.000	10.098	0.000	0.118
L44	26.750-26.500	C	1.248	0.000	0.000	7.078	0.000	0.062
		A		0.000	0.000	0.798	0.072	0.010
		B		0.000	0.000	1.121	0.000	0.013
L45	26.500-25.250	C	1.244	0.000	0.000	0.786	0.000	0.007
		A		0.000	0.000	3.990	0.358	0.051
		B		0.000	0.000	5.603	0.000	0.065
L46	25.250-25.000	C	1.241	0.000	0.000	3.930	0.000	0.034
		A		0.000	0.000	0.798	0.071	0.010
		B		0.000	0.000	1.120	0.000	0.013
L47	25.000-20.000	C	1.227	0.000	0.000	0.786	0.000	0.007
		A		0.000	0.000	13.646	1.415	0.186
		B		0.000	0.000	20.080	0.000	0.241
L48	20.000-16.750	C	1.202	0.000	0.000	15.030	0.000	0.129
		A		0.000	0.000	5.386	0.903	0.094
		B		0.000	0.000	9.548	0.000	0.128
L49	16.750-16.500	C	1.191	0.000	0.000	15.729	0.000	0.122
		A		0.000	0.000	0.414	0.069	0.007
		B		0.000	0.000	0.733	0.000	0.010
L50	16.500-14.250	C	1.181	0.000	0.000	1.209	0.000	0.009
		A		0.000	0.000	3.719	0.616	0.064
		B		0.000	0.000	6.588	0.000	0.088
L51	14.250-14.000	C	1.171	0.000	0.000	10.875	0.000	0.083
		A		0.000	0.000	0.413	0.068	0.007
		B		0.000	0.000	0.731	0.000	0.010
L52	14.000-9.000	C	1.147	0.000	0.000	1.208	0.000	0.009
		A		0.000	0.000	8.231	1.335	0.141
		B		0.000	0.000	14.565	0.000	0.192
L53	9.000-4.000	C	1.084	0.000	0.000	21.703	0.000	0.163
		A		0.000	0.000	8.167	1.271	0.137
		B		0.000	0.000	14.422	0.000	0.185
L54	4.000-0.000	C	0.963	0.000	0.000	16.011	0.000	0.119
		A		0.000	0.000	5.632	0.920	0.100
		B		0.000	0.000	10.515	0.000	0.133
		C		0.000	0.000	11.121	0.000	0.076

Feed Line Center of Pressure

Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
L1	151.000-146.000	0.000	-0.224	0.000	-1.210
L2	146.000-141.000	0.000	-0.224	0.000	-1.222
L3	141.000-136.000	0.000	-0.224	0.000	-1.233
L4	136.000-131.000	0.000	-0.225	0.000	-1.243
L5	131.000-126.000	0.000	-0.202	0.000	-1.148
L6	126.000-121.000	0.502	-0.239	0.591	-0.787
L7	121.000-118.500	1.350	-0.419	1.664	-0.806
L8	118.500-118.250	1.262	-0.392	1.563	-0.757
L9	118.250-113.250	1.516	-0.471	1.854	-0.899
L10	113.250-108.250	1.743	-0.542	2.087	-1.013
L11	108.250-103.250	1.784	-0.555	2.131	-1.035
L12	103.250-97.500	1.827	-0.569	2.177	-1.058
L13	97.500-95.950	1.375	-0.428	1.723	-0.838
L14	95.950-95.000	1.236	-0.385	1.572	-0.764
L15	95.000-94.750	1.240	-0.386	1.578	-0.767
L16	94.750-92.500	1.247	-0.388	1.586	-0.771
L17	92.500-92.250	1.254	-0.390	1.593	-0.775
L18	92.250-87.750	1.245	-0.388	1.591	-0.773
L19	87.750-87.500	1.246	-0.388	1.596	-0.776
L20	87.500-84.000	1.256	-0.391	1.608	-0.782
L21	84.000-83.750	1.266	-0.395	1.619	-0.787
L22	83.750-78.750	1.613	-0.503	1.990	-0.968
L23	78.750-73.750	1.911	-0.596	2.291	-1.114
L24	73.750-68.750	1.947	-0.608	2.328	-1.131
L25	68.750-64.750	1.475	-0.460	1.869	-0.908
L26	64.750-64.500	1.334	-0.417	1.722	-0.836
L27	64.500-63.250	1.338	-0.418	1.726	-0.838
L28	63.250-63.000	1.341	-0.419	1.729	-0.839
L29	63.000-58.000	1.295	-0.405	1.684	-0.817
L30	58.000-56.750	1.256	-0.392	1.645	-0.797
L31	56.750-56.500	1.260	-0.394	1.650	-0.800
L32	56.500-55.250	1.264	-0.395	1.654	-0.802
L33	55.250-55.000	1.267	-0.396	1.657	-0.803
L34	55.000-47.500	1.606	-0.502	2.019	-0.977
L35	47.500-47.050	1.839	-0.575	2.252	-1.090
L36	47.050-42.050	1.856	-0.580	2.268	-1.094
L37	42.050-37.050	1.604	-0.502	2.027	-0.976
L38	37.050-34.950	1.246	-0.390	1.652	-0.794
L39	34.950-34.700	1.252	-0.392	1.659	-0.796
L40	34.700-34.250	1.254	-0.392	1.661	-0.797
L41	34.250-34.000	1.255	-0.393	1.661	-0.797
L42	34.000-29.000	1.268	-0.397	1.684	-0.820
L43	29.000-26.750	1.286	-0.402	1.724	-0.868
L44	26.750-26.500	1.292	-0.404	1.731	-0.870
L45	26.500-25.250	1.295	-0.405	1.734	-0.871
L46	25.250-25.000	1.298	-0.406	1.736	-0.871
L47	25.000-20.000	1.425	-0.022	1.870	-0.554
L48	20.000-16.750	1.514	3.989	1.924	2.941
L49	16.750-16.500	1.523	4.014	1.932	2.965
L50	16.500-14.250	1.529	4.031	1.936	2.982
L51	14.250-14.000	1.535	4.048	1.941	2.999
L52	14.000-9.000	1.990	3.454	2.347	2.454
L53	9.000-4.000	3.201	1.820	3.412	0.995
L54	4.000-0.000	3.288	1.654	3.482	0.874

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
L5	36	MP3-03 (Surface Af)	126.00 - 126.50	1.0000	1.0000
L5	37	MP3-03 (Surface Af)	126.00 - 126.50	1.0000	1.0000
L5	38	MP3-03 (Surface Af)	126.00 - 126.50	1.0000	1.0000
L6	36	MP3-03 (Surface Af)	121.00 - 126.00	1.0000	1.0000
L6	37	MP3-03 (Surface Af)	121.00 - 126.00	1.0000	1.0000
L6	38	MP3-03 (Surface Af)	121.00 - 126.00	1.0000	1.0000
L6	59	AL7-50(1-5/8)	121.00 - 122.00	1.0000	1.0000
L7	32	Sabre MS-600 (6" x 1" Plate)	118.50 - 120.50	1.0000	1.0000
L7	33	Sabre MS-600 (6" x 1" Plate)	118.50 - 120.50	1.0000	1.0000
L7	34	Sabre MS-600 (6" x 1" Plate)	118.50 - 120.50	1.0000	1.0000
L7	36	MP3-03 (Surface Af)	118.50 - 121.00	1.0000	1.0000
L7	37	MP3-03 (Surface Af)	118.50 - 121.00	1.0000	1.0000
L7	38	MP3-03 (Surface Af)	118.50 - 121.00	1.0000	1.0000
L7	59	AL7-50(1-5/8)	118.50 - 121.00	1.0000	1.0000
L8	32	Sabre MS-600 (6" x 1" Plate)	118.25 - 118.50	1.0000	1.0000
L8	33	Sabre MS-600 (6" x 1" Plate)	118.25 - 118.50	1.0000	1.0000
L8	34	Sabre MS-600 (6" x 1" Plate)	118.25 - 118.50	1.0000	1.0000
L8	36	MP3-03 (Surface Af)	118.25 - 118.50	1.0000	1.0000
L8	37	MP3-03 (Surface Af)	118.25 - 118.50	1.0000	1.0000
L8	38	MP3-03 (Surface Af)	118.25 - 118.50	1.0000	1.0000
L8	59	AL7-50(1-5/8)	118.25 - 118.50	1.0000	1.0000
L9	32	Sabre MS-600 (6" x 1" Plate)	113.25 - 118.25	1.0000	1.0000
L9	33	Sabre MS-600 (6" x 1" Plate)	113.25 - 118.25	1.0000	1.0000
L9	34	Sabre MS-600 (6" x 1" Plate)	113.25 - 118.25	1.0000	1.0000
L9	36	MP3-03 (Surface Af)	116.50 - 118.25	1.0000	1.0000
L9	37	MP3-03 (Surface Af)	116.50 - 118.25	1.0000	1.0000
L9	38	MP3-03 (Surface Af)	116.50 - 118.25	1.0000	1.0000
L9	59	AL7-50(1-5/8)	113.25 - 118.25	1.0000	1.0000
L10	32	Sabre MS-600 (6" x 1" Plate)	108.25 - 113.25	1.0000	1.0000
L10	33	Sabre MS-600 (6" x 1" Plate)	108.25 - 113.25	1.0000	1.0000
L10	34	Sabre MS-600 (6" x 1" Plate)	108.25 - 113.25	1.0000	1.0000
L10	59	AL7-50(1-5/8)	108.25 - 113.25	1.0000	1.0000
L11	32	Sabre MS-600 (6" x 1" Plate)	103.25 - 108.25	1.0000	1.0000
L11	33	Sabre MS-600 (6" x 1" Plate)	103.25 - 108.25	1.0000	1.0000
L11	34	Sabre MS-600 (6" x 1" Plate)	103.25 - 108.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L11	59	Plate) AL7-50(1-5/8)	108.25 103.25 -	1.0000	1.0000
L12	32	Sabre MS-600 (6" x 1" Plate)	108.25 97.50 -	1.0000	1.0000
L12	33	Sabre MS-600 (6" x 1" Plate)	103.25 97.50 -	1.0000	1.0000
L12	34	Sabre MS-600 (6" x 1" Plate)	103.25 97.50 -	1.0000	1.0000
L12	59	AL7-50(1-5/8)	103.25 97.50 -	1.0000	1.0000
L13	28	Sabre MS-600 (6" x 1" Plate)	103.25 95.95 -	1.0000	1.0000
L13	29	Sabre MS-600 (6" x 1" Plate)	97.00 95.95 -	1.0000	1.0000
L13	30	Sabre MS-600 (6" x 1" Plate)	97.00 95.95 -	1.0000	1.0000
L13	32	Sabre MS-600 (6" x 1" Plate)	97.00 95.95 -	1.0000	1.0000
L13	33	Sabre MS-600 (6" x 1" Plate)	97.50 95.95 -	1.0000	1.0000
L13	34	Sabre MS-600 (6" x 1" Plate)	97.50 95.95 -	1.0000	1.0000
L13	59	AL7-50(1-5/8)	97.50 95.95 -	1.0000	1.0000
L14	28	Sabre MS-600 (6" x 1" Plate)	97.50 95.00 -	1.0000	1.0000
L14	29	Sabre MS-600 (6" x 1" Plate)	95.95 95.00 -	1.0000	1.0000
L14	30	Sabre MS-600 (6" x 1" Plate)	95.95 95.00 -	1.0000	1.0000
L14	32	Sabre MS-600 (6" x 1" Plate)	95.95 95.00 -	1.0000	1.0000
L14	33	Sabre MS-600 (6" x 1" Plate)	95.95 95.00 -	1.0000	1.0000
L14	34	Sabre MS-600 (6" x 1" Plate)	95.95 95.00 -	1.0000	1.0000
L14	59	AL7-50(1-5/8)	95.95 95.00 -	1.0000	1.0000
L15	28	Sabre MS-600 (6" x 1" Plate)	95.95 94.75 -	1.0000	1.0000
L15	29	Sabre MS-600 (6" x 1" Plate)	95.00 94.75 -	1.0000	1.0000
L15	30	Sabre MS-600 (6" x 1" Plate)	95.00 94.75 -	1.0000	1.0000
L15	32	Sabre MS-600 (6" x 1" Plate)	95.00 94.75 -	1.0000	1.0000
L15	33	Sabre MS-600 (6" x 1" Plate)	95.00 94.75 -	1.0000	1.0000
L15	34	Sabre MS-600 (6" x 1" Plate)	95.00 94.75 -	1.0000	1.0000
L15	59	AL7-50(1-5/8)	95.00 94.75 -	1.0000	1.0000
L16	28	Sabre MS-600 (6" x 1" Plate)	95.00 92.50 -	1.0000	1.0000
L16	29	Sabre MS-600 (6" x 1" Plate)	94.75 92.50 -	1.0000	1.0000
L16	30	Sabre MS-600 (6" x 1" Plate)	94.75 92.50 -	1.0000	1.0000
L16	32	Sabre MS-600 (6" x 1" Plate)	94.75 92.50 -	1.0000	1.0000
L16	33	Sabre MS-600 (6" x 1" Plate)	94.75 92.50 -	1.0000	1.0000
L16	34	Sabre MS-600 (6" x 1" Plate)	94.75 92.50 -	1.0000	1.0000
L16	59	AL7-50(1-5/8)	94.75 92.50 -	1.0000	1.0000
L17	28	Sabre MS-600 (6" x 1" Plate)	94.75 92.25 -	1.0000	1.0000
			92.50		

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L17	29	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	1.0000	1.0000
L17	30	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	1.0000	1.0000
L17	32	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	1.0000	1.0000
L17	33	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	1.0000	1.0000
L17	34	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	1.0000	1.0000
L17	59	AL7-50(1-5/8)	92.25 - 92.50	1.0000	1.0000
L18	24	Sabre MS-650 (6.5" x 1.25" Plate)	87.75 - 90.50	1.0000	1.0000
L18	25	Sabre MS-650 (6.5" x 1.25" Plate)	87.75 - 90.50	1.0000	1.0000
L18	26	Sabre MS-650 (6.5" x 1.25" Plate)	87.75 - 90.50	1.0000	1.0000
L18	28	Sabre MS-600 (6" x 1" Plate)	87.75 - 92.25	1.0000	1.0000
L18	29	Sabre MS-600 (6" x 1" Plate)	87.75 - 92.25	1.0000	1.0000
L18	30	Sabre MS-600 (6" x 1" Plate)	87.75 - 92.25	1.0000	1.0000
L18	32	Sabre MS-600 (6" x 1" Plate)	90.50 - 92.25	1.0000	1.0000
L18	33	Sabre MS-600 (6" x 1" Plate)	90.50 - 92.25	1.0000	1.0000
L18	34	Sabre MS-600 (6" x 1" Plate)	90.50 - 92.25	1.0000	1.0000
L18	59	AL7-50(1-5/8)	87.75 - 92.25	1.0000	1.0000
L19	24	Sabre MS-650 (6.5" x 1.25" Plate)	87.50 - 87.75	1.0000	1.0000
L19	25	Sabre MS-650 (6.5" x 1.25" Plate)	87.50 - 87.75	1.0000	1.0000
L19	26	Sabre MS-650 (6.5" x 1.25" Plate)	87.50 - 87.75	1.0000	1.0000
L19	28	Sabre MS-600 (6" x 1" Plate)	87.50 - 87.75	1.0000	1.0000
L19	29	Sabre MS-600 (6" x 1" Plate)	87.50 - 87.75	1.0000	1.0000
L19	30	Sabre MS-600 (6" x 1" Plate)	87.50 - 87.75	1.0000	1.0000
L19	59	AL7-50(1-5/8)	87.50 - 87.75	1.0000	1.0000
L20	24	Sabre MS-650 (6.5" x 1.25" Plate)	84.00 - 87.50	1.0000	1.0000
L20	25	Sabre MS-650 (6.5" x 1.25" Plate)	84.00 - 87.50	1.0000	1.0000
L20	26	Sabre MS-650 (6.5" x 1.25" Plate)	84.00 - 87.50	1.0000	1.0000
L20	28	Sabre MS-600 (6" x 1" Plate)	84.00 - 87.50	1.0000	1.0000
L20	29	Sabre MS-600 (6" x 1" Plate)	84.00 - 87.50	1.0000	1.0000
L20	30	Sabre MS-600 (6" x 1" Plate)	84.00 - 87.50	1.0000	1.0000
L20	59	AL7-50(1-5/8)	84.00 - 87.50	1.0000	1.0000
L21	24	Sabre MS-650 (6.5" x 1.25" Plate)	83.75 - 84.00	1.0000	1.0000
L21	25	Sabre MS-650 (6.5" x 1.25" Plate)	83.75 - 84.00	1.0000	1.0000
L21	26	Sabre MS-650 (6.5" x 1.25" Plate)	83.75 - 84.00	1.0000	1.0000
L21	28	Sabre MS-600 (6" x 1" Plate)	83.75 - 84.00	1.0000	1.0000
L21	29	Sabre MS-600 (6" x 1" Plate)	83.75 - 84.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L21	30	Sabre MS-600 (6" x 1" Plate)	84.00	1.0000	1.0000
L21	59	AL7-50(1-5/8) Plate)	83.75 - 84.00	1.0000	1.0000
L22	24	Sabre MS-650 (6.5" x 1.25" Plate)	78.75 - 83.75	1.0000	1.0000
L22	25	Sabre MS-650 (6.5" x 1.25" Plate)	78.75 - 83.75	1.0000	1.0000
L22	26	Sabre MS-650 (6.5" x 1.25" Plate)	78.75 - 83.75	1.0000	1.0000
L22	28	Sabre MS-600 (6" x 1" Plate)	82.00 - 83.75	1.0000	1.0000
L22	29	Sabre MS-600 (6" x 1" Plate)	82.00 - 83.75	1.0000	1.0000
L22	30	Sabre MS-600 (6" x 1" Plate)	82.00 - 83.75	1.0000	1.0000
L22	59	AL7-50(1-5/8)	78.75 - 83.75	1.0000	1.0000
L23	24	Sabre MS-650 (6.5" x 1.25" Plate)	73.75 - 78.75	1.0000	1.0000
L23	25	Sabre MS-650 (6.5" x 1.25" Plate)	73.75 - 78.75	1.0000	1.0000
L23	26	Sabre MS-650 (6.5" x 1.25" Plate)	73.75 - 78.75	1.0000	1.0000
L23	59	AL7-50(1-5/8)	73.75 - 78.75	1.0000	1.0000
L24	24	Sabre MS-650 (6.5" x 1.25" Plate)	68.75 - 73.75	1.0000	1.0000
L24	25	Sabre MS-650 (6.5" x 1.25" Plate)	68.75 - 73.75	1.0000	1.0000
L24	26	Sabre MS-650 (6.5" x 1.25" Plate)	68.75 - 73.75	1.0000	1.0000
L24	59	AL7-50(1-5/8)	68.75 - 73.75	1.0000	1.0000
L25	20	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 67.50	1.0000	1.0000
L25	21	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 67.50	1.0000	1.0000
L25	22	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 67.50	1.0000	1.0000
L25	24	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 68.75	1.0000	1.0000
L25	25	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 68.75	1.0000	1.0000
L25	26	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 68.75	1.0000	1.0000
L25	59	AL7-50(1-5/8)	64.75 - 68.75	1.0000	1.0000
L26	20	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	1.0000	1.0000
L26	21	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	1.0000	1.0000
L26	22	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	1.0000	1.0000
L26	24	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	1.0000	1.0000
L26	25	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	1.0000	1.0000
L26	26	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	1.0000	1.0000
L26	59	AL7-50(1-5/8)	64.50 - 64.75	1.0000	1.0000
L27	20	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	1.0000	1.0000
L27	21	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	1.0000	1.0000
L27	22	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L27	24	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	1.0000	1.0000
L27	25	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	1.0000	1.0000
L27	26	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	1.0000	1.0000
L27	59	AL7-50(1-5/8)	63.25 - 64.50	1.0000	1.0000
L28	20	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	1.0000	1.0000
L28	21	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	1.0000	1.0000
L28	22	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	1.0000	1.0000
L28	24	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	1.0000	1.0000
L28	25	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	1.0000	1.0000
L28	26	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	1.0000	1.0000
L28	59	AL7-50(1-5/8)	63.00 - 63.25	1.0000	1.0000
L29	16	Sabre MS-850 (8.5" x 1.25" Plate)	58.00 - 60.50	1.0000	1.0000
L29	17	Sabre MS-850 (8.5" x 1.25" Plate)	58.00 - 60.50	1.0000	1.0000
L29	18	Sabre MS-850 (8.5" x 1.25" Plate)	58.00 - 60.50	1.0000	1.0000
L29	20	Sabre MS-650 (6.5" x 1.25" Plate)	58.00 - 63.00	1.0000	1.0000
L29	21	Sabre MS-650 (6.5" x 1.25" Plate)	58.00 - 63.00	1.0000	1.0000
L29	22	Sabre MS-650 (6.5" x 1.25" Plate)	58.00 - 63.00	1.0000	1.0000
L29	24	Sabre MS-650 (6.5" x 1.25" Plate)	60.50 - 63.00	1.0000	1.0000
L29	25	Sabre MS-650 (6.5" x 1.25" Plate)	60.50 - 63.00	1.0000	1.0000
L29	26	Sabre MS-650 (6.5" x 1.25" Plate)	60.50 - 63.00	1.0000	1.0000
L29	59	AL7-50(1-5/8)	58.00 - 63.00	1.0000	1.0000
L30	16	Sabre MS-850 (8.5" x 1.25" Plate)	56.75 - 58.00	1.0000	1.0000
L30	17	Sabre MS-850 (8.5" x 1.25" Plate)	56.75 - 58.00	1.0000	1.0000
L30	18	Sabre MS-850 (8.5" x 1.25" Plate)	56.75 - 58.00	1.0000	1.0000
L30	20	Sabre MS-650 (6.5" x 1.25" Plate)	56.75 - 58.00	1.0000	1.0000
L30	21	Sabre MS-650 (6.5" x 1.25" Plate)	56.75 - 58.00	1.0000	1.0000
L30	22	Sabre MS-650 (6.5" x 1.25" Plate)	56.75 - 58.00	1.0000	1.0000
L30	59	AL7-50(1-5/8)	56.75 - 58.00	1.0000	1.0000
L31	16	Sabre MS-850 (8.5" x 1.25" Plate)	56.50 - 56.75	1.0000	1.0000
L31	17	Sabre MS-850 (8.5" x 1.25" Plate)	56.50 - 56.75	1.0000	1.0000
L31	18	Sabre MS-850 (8.5" x 1.25" Plate)	56.50 - 56.75	1.0000	1.0000
L31	20	Sabre MS-650 (6.5" x 1.25" Plate)	56.50 - 56.75	1.0000	1.0000
L31	21	Sabre MS-650 (6.5" x 1.25" Plate)	56.50 - 56.75	1.0000	1.0000
L31	22	Sabre MS-650 (6.5" x 1.25" Plate)	56.50 - 56.75	1.0000	1.0000
L31	59	AL7-50(1-5/8)	56.50 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L32	16	Sabre MS-850 (8.5" x 1.25" Plate)	56.75 55.25 - 56.50	1.0000	1.0000
L32	17	Sabre MS-850 (8.5" x 1.25" Plate)	55.25 - 56.50	1.0000	1.0000
L32	18	Sabre MS-850 (8.5" x 1.25" Plate)	55.25 - 56.50	1.0000	1.0000
L32	20	Sabre MS-650 (6.5" x 1.25" Plate)	55.25 - 56.50	1.0000	1.0000
L32	21	Sabre MS-650 (6.5" x 1.25" Plate)	55.25 - 56.50	1.0000	1.0000
L32	22	Sabre MS-650 (6.5" x 1.25" Plate)	55.25 - 56.50	1.0000	1.0000
L32	59	AL7-50(1-5/8)	55.25 - 56.50	1.0000	1.0000
L33	16	Sabre MS-850 (8.5" x 1.25" Plate)	55.00 - 55.25	1.0000	1.0000
L33	17	Sabre MS-850 (8.5" x 1.25" Plate)	55.00 - 55.25	1.0000	1.0000
L33	18	Sabre MS-850 (8.5" x 1.25" Plate)	55.00 - 55.25	1.0000	1.0000
L33	20	Sabre MS-650 (6.5" x 1.25" Plate)	55.00 - 55.25	1.0000	1.0000
L33	21	Sabre MS-650 (6.5" x 1.25" Plate)	55.00 - 55.25	1.0000	1.0000
L33	22	Sabre MS-650 (6.5" x 1.25" Plate)	55.00 - 55.25	1.0000	1.0000
L33	59	AL7-50(1-5/8)	55.00 - 55.25	1.0000	1.0000
L34	16	Sabre MS-850 (8.5" x 1.25" Plate)	47.50 - 55.00	1.0000	1.0000
L34	17	Sabre MS-850 (8.5" x 1.25" Plate)	47.50 - 55.00	1.0000	1.0000
L34	18	Sabre MS-850 (8.5" x 1.25" Plate)	47.50 - 55.00	1.0000	1.0000
L34	20	Sabre MS-650 (6.5" x 1.25" Plate)	52.50 - 55.00	1.0000	1.0000
L34	21	Sabre MS-650 (6.5" x 1.25" Plate)	52.50 - 55.00	1.0000	1.0000
L34	22	Sabre MS-650 (6.5" x 1.25" Plate)	52.50 - 55.00	1.0000	1.0000
L34	59	AL7-50(1-5/8)	47.50 - 55.00	1.0000	1.0000
L35	16	Sabre MS-850 (8.5" x 1.25" Plate)	47.05 - 47.50	1.0000	1.0000
L35	17	Sabre MS-850 (8.5" x 1.25" Plate)	47.05 - 47.50	1.0000	1.0000
L35	18	Sabre MS-850 (8.5" x 1.25" Plate)	47.05 - 47.50	1.0000	1.0000
L35	59	AL7-50(1-5/8)	47.05 - 47.50	1.0000	1.0000
L36	16	Sabre MS-850 (8.5" x 1.25" Plate)	42.05 - 47.05	1.0000	1.0000
L36	17	Sabre MS-850 (8.5" x 1.25" Plate)	42.05 - 47.05	1.0000	1.0000
L36	18	Sabre MS-850 (8.5" x 1.25" Plate)	42.05 - 47.05	1.0000	1.0000
L36	59	AL7-50(1-5/8)	42.05 - 47.05	1.0000	1.0000
L37	12	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 38.70	1.0000	1.0000
L37	13	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 38.70	1.0000	1.0000
L37	14	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 38.70	1.0000	1.0000
L37	16	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 42.05	1.0000	1.0000
L37	17	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 42.05	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L37	18	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 42.05	1.0000	1.0000
L37	59	AL7-50(1-5/8)	37.05 - 42.05	1.0000	1.0000
L38	12	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	1.0000	1.0000
L38	13	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	1.0000	1.0000
L38	14	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	1.0000	1.0000
L38	16	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	1.0000	1.0000
L38	17	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	1.0000	1.0000
L38	18	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	1.0000	1.0000
L38	59	AL7-50(1-5/8)	34.95 - 37.05	1.0000	1.0000
L39	12	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	1.0000	1.0000
L39	13	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	1.0000	1.0000
L39	14	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	1.0000	1.0000
L39	16	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	1.0000	1.0000
L39	17	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	1.0000	1.0000
L39	18	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	1.0000	1.0000
L39	59	AL7-50(1-5/8)	34.70 - 34.95	1.0000	1.0000
L40	12	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	1.0000	1.0000
L40	13	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	1.0000	1.0000
L40	14	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	1.0000	1.0000
L40	16	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	1.0000	1.0000
L40	17	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	1.0000	1.0000
L40	18	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	1.0000	1.0000
L40	59	AL7-50(1-5/8)	34.25 - 34.70	1.0000	1.0000
L41	12	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	1.0000	1.0000
L41	13	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	1.0000	1.0000
L41	14	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	1.0000	1.0000
L41	16	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	1.0000	1.0000
L41	17	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	1.0000	1.0000
L41	18	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	1.0000	1.0000
L41	59	AL7-50(1-5/8)	34.00 - 34.25	1.0000	1.0000
L42	8	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 30.50	1.0000	1.0000
L42	9	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 30.50	1.0000	1.0000
L42	10	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 30.50	1.0000	1.0000
L42	12	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 34.00	1.0000	1.0000
L42	13	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 34.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L42	14	1.25" Plate) Sabre MS-850 (8.5" x	34.00 29.00 -	1.0000	1.0000
L42	16	1.25" Plate) Sabre MS-850 (8.5" x	34.00 30.50 -	1.0000	1.0000
L42	17	1.25" Plate) Sabre MS-850 (8.5" x	34.00 30.50 -	1.0000	1.0000
L42	18	1.25" Plate) Sabre MS-850 (8.5" x	34.00 30.50 -	1.0000	1.0000
L42	59	1.25" Plate) AL7-50(1-5/8)	34.00 29.00 -	1.0000	1.0000
L43	8	1.25" Plate) Sabre MS-850 (8.5" x	34.00 26.75 -	1.0000	1.0000
L43	9	1.25" Plate) Sabre MS-850 (8.5" x	29.00 26.75 -	1.0000	1.0000
L43	10	1.25" Plate) Sabre MS-850 (8.5" x	29.00 26.75 -	1.0000	1.0000
L43	12	1.25" Plate) Sabre MS-850 (8.5" x	29.00 26.75 -	1.0000	1.0000
L43	13	1.25" Plate) Sabre MS-850 (8.5" x	29.00 26.75 -	1.0000	1.0000
L43	14	1.25" Plate) Sabre MS-850 (8.5" x	29.00 26.75 -	1.0000	1.0000
L43	59	1.25" Plate) AL7-50(1-5/8)	29.00 26.75 -	1.0000	1.0000
L44	8	1.25" Plate) Sabre MS-850 (8.5" x	26.50 - 26.75	1.0000	1.0000
L44	9	1.25" Plate) Sabre MS-850 (8.5" x	26.50 - 26.75	1.0000	1.0000
L44	10	1.25" Plate) Sabre MS-850 (8.5" x	26.50 - 26.75	1.0000	1.0000
L44	12	1.25" Plate) Sabre MS-850 (8.5" x	26.50 - 26.75	1.0000	1.0000
L44	13	1.25" Plate) Sabre MS-850 (8.5" x	26.50 - 26.75	1.0000	1.0000
L44	14	1.25" Plate) Sabre MS-850 (8.5" x	26.50 - 26.75	1.0000	1.0000
L44	59	1.25" Plate) AL7-50(1-5/8)	26.50 - 26.75	1.0000	1.0000
L45	8	1.25" Plate) Sabre MS-850 (8.5" x	25.25 - 26.50	1.0000	1.0000
L45	9	1.25" Plate) Sabre MS-850 (8.5" x	25.25 - 26.50	1.0000	1.0000
L45	10	1.25" Plate) Sabre MS-850 (8.5" x	25.25 - 26.50	1.0000	1.0000
L45	12	1.25" Plate) Sabre MS-850 (8.5" x	25.25 - 26.50	1.0000	1.0000
L45	13	1.25" Plate) Sabre MS-850 (8.5" x	25.25 - 26.50	1.0000	1.0000
L45	14	1.25" Plate) Sabre MS-850 (8.5" x	25.25 - 26.50	1.0000	1.0000
L45	59	1.25" Plate) AL7-50(1-5/8)	25.25 - 26.50	1.0000	1.0000
L46	8	1.25" Plate) Sabre MS-850 (8.5" x	25.00 - 25.25	1.0000	1.0000
L46	9	1.25" Plate) Sabre MS-850 (8.5" x	25.00 - 25.25	1.0000	1.0000
L46	10	1.25" Plate) Sabre MS-850 (8.5" x	25.00 - 25.25	1.0000	1.0000
L46	12	1.25" Plate) Sabre MS-850 (8.5" x	25.00 - 25.25	1.0000	1.0000
L46	13	1.25" Plate) Sabre MS-850 (8.5" x	25.00 - 25.25	1.0000	1.0000
L46	14	1.25" Plate) Sabre MS-850 (8.5" x	25.00 - 25.25	1.0000	1.0000
L46	59	1.25" Plate) AL7-50(1-5/8)	25.00 - 25.25	1.0000	1.0000
L47	5	1.25" Plate) Sabre MS-850 (8.5" x	20.00 - 20.50	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L47	6	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 20.50	1.0000	1.0000
L47	8	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 25.00	1.0000	1.0000
L47	9	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 25.00	1.0000	1.0000
L47	10	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 25.00	1.0000	1.0000
L47	12	Sabre MS-850 (8.5" x 1.25" Plate)	21.50 - 25.00	1.0000	1.0000
L47	13	Sabre MS-850 (8.5" x 1.25" Plate)	21.50 - 25.00	1.0000	1.0000
L47	14	Sabre MS-850 (8.5" x 1.25" Plate)	21.50 - 25.00	1.0000	1.0000
L47	59	AL7-50(1-5/8)	20.00 - 25.00	1.0000	1.0000
L48	5	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	1.0000	1.0000
L48	6	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	1.0000	1.0000
L48	8	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	1.0000	1.0000
L48	9	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	1.0000	1.0000
L48	10	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	1.0000	1.0000
L48	59	AL7-50(1-5/8)	16.75 - 20.00	1.0000	1.0000
L49	5	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	1.0000	1.0000
L49	6	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	1.0000	1.0000
L49	8	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	1.0000	1.0000
L49	9	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	1.0000	1.0000
L49	10	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	1.0000	1.0000
L49	59	AL7-50(1-5/8)	16.50 - 16.75	1.0000	1.0000
L50	5	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	1.0000	1.0000
L50	6	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	1.0000	1.0000
L50	8	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	1.0000	1.0000
L50	9	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	1.0000	1.0000
L50	10	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	1.0000	1.0000
L50	59	AL7-50(1-5/8)	14.25 - 16.50	1.0000	1.0000
L51	5	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	1.0000	1.0000
L51	6	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	1.0000	1.0000
L51	8	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	1.0000	1.0000
L51	9	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	1.0000	1.0000
L51	10	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	1.0000	1.0000
L51	59	AL7-50(1-5/8)	14.00 - 14.25	1.0000	1.0000
L52	5	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	1.0000	1.0000
L52	6	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	1.0000	1.0000
L52	8	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L52	9	1.25" Plate) Sabre MS-850 (8.5" x	9.00 - 14.00	1.0000	1.0000
L52	10	1.25" Plate) Sabre MS-850 (8.5" x	10.50 - 14.00	1.0000	1.0000
L52	59	AL7-50(1-5/8)	9.00 - 14.00	1.0000	1.0000
L53	5	Sabre MS-850 (8.5" x	4.00 - 9.00	1.0000	1.0000
L53	6	1.25" Plate) Sabre MS-850 (8.5" x	4.00 - 9.00	1.0000	1.0000
L53	8	1.25" Plate) Sabre MS-850 (8.5" x	4.00 - 9.00	1.0000	1.0000
L53	9	1.25" Plate) Sabre MS-850 (8.5" x	4.00 - 9.00	1.0000	1.0000
L53	59	AL7-50(1-5/8)	4.00 - 9.00	1.0000	1.0000
L54	5	Sabre MS-850 (8.5" x	0.50 - 4.00	1.0000	1.0000
L54	6	1.25" Plate) Sabre MS-850 (8.5" x	0.50 - 4.00	1.0000	1.0000
L54	8	1.25" Plate) Sabre MS-850 (8.5" x	0.50 - 4.00	1.0000	1.0000
L54	9	1.25" Plate) Sabre MS-850 (8.5" x	0.50 - 4.00	1.0000	1.0000
L54	59	AL7-50(1-5/8)	0.00 - 4.00	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
L5	36	MP3-03 (Surface Af)	126.00 - 126.50	Auto	0.0000
L5	37	MP3-03 (Surface Af)	126.00 - 126.50	Auto	0.0000
L5	38	MP3-03 (Surface Af)	126.00 - 126.50	Auto	0.0000
L6	36	MP3-03 (Surface Af)	121.00 - 126.00	Auto	0.0000
L6	37	MP3-03 (Surface Af)	121.00 - 126.00	Auto	0.0000
L6	38	MP3-03 (Surface Af)	121.00 - 126.00	Auto	0.0000
L7	32	Sabre MS-600 (6" x 1" Plate)	118.50 - 120.50	Auto	0.0488
L7	33	Sabre MS-600 (6" x 1" Plate)	118.50 - 120.50	Auto	0.0488
L7	34	Sabre MS-600 (6" x 1" Plate)	118.50 - 120.50	Auto	0.0488
L7	36	MP3-03 (Surface Af)	118.50 - 121.00	Auto	0.0000
L7	37	MP3-03 (Surface Af)	118.50 - 121.00	Auto	0.0000
L7	38	MP3-03 (Surface Af)	118.50 - 121.00	Auto	0.0000
L8	32	Sabre MS-600 (6" x 1" Plate)	118.25 - 118.50	Auto	0.1622
L8	33	Sabre MS-600 (6" x 1" Plate)	118.25 - 118.50	Auto	0.1622
L8	34	Sabre MS-600 (6" x 1" Plate)	118.25 - 118.50	Auto	0.1622

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L8	36	MP3-03 (Surface Af)	118.25 - 118.50	Auto	0.0000
L8	37	MP3-03 (Surface Af)	118.25 - 118.50	Auto	0.0000
L8	38	MP3-03 (Surface Af)	118.25 - 118.50	Auto	0.0000
L9	32	Sabre MS-600 (6" x 1" Plate)	113.25 - 118.25	Auto	0.1347
L9	33	Sabre MS-600 (6" x 1" Plate)	113.25 - 118.25	Auto	0.1347
L9	34	Sabre MS-600 (6" x 1" Plate)	113.25 - 118.25	Auto	0.1347
L9	36	MP3-03 (Surface Af)	116.50 - 118.25	Auto	0.0000
L9	37	MP3-03 (Surface Af)	116.50 - 118.25	Auto	0.0000
L9	38	MP3-03 (Surface Af)	116.50 - 118.25	Auto	0.0000
L10	32	Sabre MS-600 (6" x 1" Plate)	108.25 - 113.25	Auto	0.0873
L10	33	Sabre MS-600 (6" x 1" Plate)	108.25 - 113.25	Auto	0.0873
L10	34	Sabre MS-600 (6" x 1" Plate)	108.25 - 113.25	Auto	0.0873
L11	32	Sabre MS-600 (6" x 1" Plate)	103.25 - 108.25	Auto	0.0427
L11	33	Sabre MS-600 (6" x 1" Plate)	103.25 - 108.25	Auto	0.0427
L11	34	Sabre MS-600 (6" x 1" Plate)	103.25 - 108.25	Auto	0.0427
L12	32	Sabre MS-600 (6" x 1" Plate)	97.50 - 103.25	Auto	0.0038
L12	33	Sabre MS-600 (6" x 1" Plate)	97.50 - 103.25	Auto	0.0038
L12	34	Sabre MS-600 (6" x 1" Plate)	97.50 - 103.25	Auto	0.0038
L13	28	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.00	Auto	0.0243
L13	29	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.00	Auto	0.0243
L13	30	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.00	Auto	0.0243
L13	32	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.50	Auto	0.0263
L13	33	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.50	Auto	0.0263
L13	34	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.50	Auto	0.0263
L14	28	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	Auto	0.0160
L14	29	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	Auto	0.0160
L14	30	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	Auto	0.0160
L14	32	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	Auto	0.0160
L14	33	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	Auto	0.0160
L14	34	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	Auto	0.0160
L15	28	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	Auto	0.1227
L15	29	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	Auto	0.1227
L15	30	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	Auto	0.1227
L15	32	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	Auto	0.1227

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L15	33	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	Auto	0.1227
L15	34	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	Auto	0.1227
L16	28	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	Auto	0.1068
L16	29	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	Auto	0.1068
L16	30	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	Auto	0.1068
L16	32	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	Auto	0.1068
L16	33	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	Auto	0.1068
L16	34	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	Auto	0.1068
L17	28	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	Auto	0.0000
L17	29	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	Auto	0.0000
L17	30	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	Auto	0.0000
L17	32	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	Auto	0.0000
L17	33	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	Auto	0.0000
L17	34	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	Auto	0.0000
L18	24	Sabre MS-650 (6.5" x 1.25" Plate)	87.75 - 90.50	Auto	0.0381
L18	25	Sabre MS-650 (6.5" x 1.25" Plate)	87.75 - 90.50	Auto	0.0381
L18	26	Sabre MS-650 (6.5" x 1.25" Plate)	87.75 - 90.50	Auto	0.0381
L18	28	Sabre MS-600 (6" x 1" Plate)	87.75 - 92.25	Auto	0.0000
L18	29	Sabre MS-600 (6" x 1" Plate)	87.75 - 92.25	Auto	0.0000
L18	30	Sabre MS-600 (6" x 1" Plate)	87.75 - 92.25	Auto	0.0000
L18	32	Sabre MS-600 (6" x 1" Plate)	90.50 - 92.25	Auto	0.0000
L18	33	Sabre MS-600 (6" x 1" Plate)	90.50 - 92.25	Auto	0.0000
L18	34	Sabre MS-600 (6" x 1" Plate)	90.50 - 92.25	Auto	0.0000
L19	24	Sabre MS-650 (6.5" x 1.25" Plate)	87.50 - 87.75	Auto	0.1607
L19	25	Sabre MS-650 (6.5" x 1.25" Plate)	87.50 - 87.75	Auto	0.1607
L19	26	Sabre MS-650 (6.5" x 1.25" Plate)	87.50 - 87.75	Auto	0.1607
L19	28	Sabre MS-600 (6" x 1" Plate)	87.50 - 87.75	Auto	0.0908
L19	29	Sabre MS-600 (6" x 1" Plate)	87.50 - 87.75	Auto	0.0908
L19	30	Sabre MS-600 (6" x 1" Plate)	87.50 - 87.75	Auto	0.0908
L20	24	Sabre MS-650 (6.5" x 1.25" Plate)	84.00 - 87.50	Auto	0.1413
L20	25	Sabre MS-650 (6.5" x 1.25" Plate)	84.00 - 87.50	Auto	0.1413
L20	26	Sabre MS-650 (6.5" x 1.25" Plate)	84.00 - 87.50	Auto	0.1413
L20	28	Sabre MS-600 (6" x 1" Plate)	84.00 - 87.50	Auto	0.0697
L20	29	Sabre MS-600 (6" x 1" Plate)	84.00 - 87.50	Auto	0.0697

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L20	30	Sabre MS-600 (6" x 1" Plate)	84.00 - 87.50	Auto	0.0697
L21	24	Sabre MS-650 (6.5" x 1.25" Plate)	83.75 - 84.00	Auto	0.0290
L21	25	Sabre MS-650 (6.5" x 1.25" Plate)	83.75 - 84.00	Auto	0.0290
L21	26	Sabre MS-650 (6.5" x 1.25" Plate)	83.75 - 84.00	Auto	0.0290
L21	28	Sabre MS-600 (6" x 1" Plate)	83.75 - 84.00	Auto	0.0000
L21	29	Sabre MS-600 (6" x 1" Plate)	83.75 - 84.00	Auto	0.0000
L21	30	Sabre MS-600 (6" x 1" Plate)	83.75 - 84.00	Auto	0.0000
L22	24	Sabre MS-650 (6.5" x 1.25" Plate)	78.75 - 83.75	Auto	0.0069
L22	25	Sabre MS-650 (6.5" x 1.25" Plate)	78.75 - 83.75	Auto	0.0069
L22	26	Sabre MS-650 (6.5" x 1.25" Plate)	78.75 - 83.75	Auto	0.0069
L22	28	Sabre MS-600 (6" x 1" Plate)	82.00 - 83.75	Auto	0.0000
L22	29	Sabre MS-600 (6" x 1" Plate)	82.00 - 83.75	Auto	0.0000
L22	30	Sabre MS-600 (6" x 1" Plate)	82.00 - 83.75	Auto	0.0000
L23	24	Sabre MS-650 (6.5" x 1.25" Plate)	73.75 - 78.75	Auto	0.0000
L23	25	Sabre MS-650 (6.5" x 1.25" Plate)	73.75 - 78.75	Auto	0.0000
L23	26	Sabre MS-650 (6.5" x 1.25" Plate)	73.75 - 78.75	Auto	0.0000
L24	24	Sabre MS-650 (6.5" x 1.25" Plate)	68.75 - 73.75	Auto	0.0000
L24	25	Sabre MS-650 (6.5" x 1.25" Plate)	68.75 - 73.75	Auto	0.0000
L24	26	Sabre MS-650 (6.5" x 1.25" Plate)	68.75 - 73.75	Auto	0.0000
L25	20	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 67.50	Auto	0.0000
L25	21	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 67.50	Auto	0.0000
L25	22	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 67.50	Auto	0.0000
L25	24	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 68.75	Auto	0.0000
L25	25	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 68.75	Auto	0.0000
L25	26	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 68.75	Auto	0.0000
L26	20	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	Auto	0.0000
L26	21	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	Auto	0.0000
L26	22	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	Auto	0.0000
L26	24	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	Auto	0.0000
L26	25	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	Auto	0.0000
L26	26	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	Auto	0.0000
L27	20	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	Auto	0.0000
L27	21	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	Auto	0.0000
L27	22	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L27	24	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	Auto	0.0000
L27	25	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	Auto	0.0000
L27	26	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	Auto	0.0000
L28	20	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	Auto	0.0000
L28	21	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	Auto	0.0000
L28	22	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	Auto	0.0000
L28	24	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	Auto	0.0000
L28	25	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	Auto	0.0000
L28	26	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	Auto	0.0000
L29	16	Sabre MS-850 (8.5" x 1.25" Plate)	58.00 - 60.50	Auto	0.0982
L29	17	Sabre MS-850 (8.5" x 1.25" Plate)	58.00 - 60.50	Auto	0.0982
L29	18	Sabre MS-850 (8.5" x 1.25" Plate)	58.00 - 60.50	Auto	0.0982
L29	20	Sabre MS-650 (6.5" x 1.25" Plate)	58.00 - 63.00	Auto	0.0000
L29	21	Sabre MS-650 (6.5" x 1.25" Plate)	58.00 - 63.00	Auto	0.0000
L29	22	Sabre MS-650 (6.5" x 1.25" Plate)	58.00 - 63.00	Auto	0.0000
L29	24	Sabre MS-650 (6.5" x 1.25" Plate)	60.50 - 63.00	Auto	0.0000
L29	25	Sabre MS-650 (6.5" x 1.25" Plate)	60.50 - 63.00	Auto	0.0000
L29	26	Sabre MS-650 (6.5" x 1.25" Plate)	60.50 - 63.00	Auto	0.0000
L30	16	Sabre MS-850 (8.5" x 1.25" Plate)	56.75 - 58.00	Auto	0.0873
L30	17	Sabre MS-850 (8.5" x 1.25" Plate)	56.75 - 58.00	Auto	0.0873
L30	18	Sabre MS-850 (8.5" x 1.25" Plate)	56.75 - 58.00	Auto	0.0873
L30	20	Sabre MS-650 (6.5" x 1.25" Plate)	56.75 - 58.00	Auto	0.0000
L30	21	Sabre MS-650 (6.5" x 1.25" Plate)	56.75 - 58.00	Auto	0.0000
L30	22	Sabre MS-650 (6.5" x 1.25" Plate)	56.75 - 58.00	Auto	0.0000
L31	16	Sabre MS-850 (8.5" x 1.25" Plate)	56.50 - 56.75	Auto	0.1932
L31	17	Sabre MS-850 (8.5" x 1.25" Plate)	56.50 - 56.75	Auto	0.1932
L31	18	Sabre MS-850 (8.5" x 1.25" Plate)	56.50 - 56.75	Auto	0.1932
L31	20	Sabre MS-650 (6.5" x 1.25" Plate)	56.50 - 56.75	Auto	0.0000
L31	21	Sabre MS-650 (6.5" x 1.25" Plate)	56.50 - 56.75	Auto	0.0000
L31	22	Sabre MS-650 (6.5" x 1.25" Plate)	56.50 - 56.75	Auto	0.0000
L32	16	Sabre MS-850 (8.5" x 1.25" Plate)	55.25 - 56.50	Auto	0.1889
L32	17	Sabre MS-850 (8.5" x 1.25" Plate)	55.25 - 56.50	Auto	0.1889
L32	18	Sabre MS-850 (8.5" x 1.25" Plate)	55.25 - 56.50	Auto	0.1889
L32	20	Sabre MS-650 (6.5" x 1.25" Plate)	55.25 - 56.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L32	21	Sabre MS-650 (6.5" x 1.25" Plate)	55.25 - 56.50	Auto	0.0000
L32	22	Sabre MS-650 (6.5" x 1.25" Plate)	55.25 - 56.50	Auto	0.0000
L33	16	Sabre MS-850 (8.5" x 1.25" Plate)	55.00 - 55.25	Auto	0.0978
L33	17	Sabre MS-850 (8.5" x 1.25" Plate)	55.00 - 55.25	Auto	0.0978
L33	18	Sabre MS-850 (8.5" x 1.25" Plate)	55.00 - 55.25	Auto	0.0978
L33	20	Sabre MS-650 (6.5" x 1.25" Plate)	55.00 - 55.25	Auto	0.0000
L33	21	Sabre MS-650 (6.5" x 1.25" Plate)	55.00 - 55.25	Auto	0.0000
L33	22	Sabre MS-650 (6.5" x 1.25" Plate)	55.00 - 55.25	Auto	0.0000
L34	16	Sabre MS-850 (8.5" x 1.25" Plate)	47.50 - 55.00	Auto	0.0752
L34	17	Sabre MS-850 (8.5" x 1.25" Plate)	47.50 - 55.00	Auto	0.0752
L34	18	Sabre MS-850 (8.5" x 1.25" Plate)	47.50 - 55.00	Auto	0.0752
L34	20	Sabre MS-650 (6.5" x 1.25" Plate)	52.50 - 55.00	Auto	0.0000
L34	21	Sabre MS-650 (6.5" x 1.25" Plate)	52.50 - 55.00	Auto	0.0000
L34	22	Sabre MS-650 (6.5" x 1.25" Plate)	52.50 - 55.00	Auto	0.0000
L35	16	Sabre MS-850 (8.5" x 1.25" Plate)	47.05 - 47.50	Auto	0.0908
L35	17	Sabre MS-850 (8.5" x 1.25" Plate)	47.05 - 47.50	Auto	0.0908
L35	18	Sabre MS-850 (8.5" x 1.25" Plate)	47.05 - 47.50	Auto	0.0908
L36	16	Sabre MS-850 (8.5" x 1.25" Plate)	42.05 - 47.05	Auto	0.0706
L36	17	Sabre MS-850 (8.5" x 1.25" Plate)	42.05 - 47.05	Auto	0.0706
L36	18	Sabre MS-850 (8.5" x 1.25" Plate)	42.05 - 47.05	Auto	0.0706
L37	12	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 38.70	Auto	0.0268
L37	13	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 38.70	Auto	0.0268
L37	14	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 38.70	Auto	0.0268
L37	16	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 42.05	Auto	0.0368
L37	17	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 42.05	Auto	0.0368
L37	18	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 42.05	Auto	0.0368
L38	12	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	Auto	0.0157
L38	13	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	Auto	0.0157
L38	14	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	Auto	0.0157
L38	16	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	Auto	0.0157
L38	17	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	Auto	0.0157
L38	18	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	Auto	0.0157
L39	12	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	Auto	0.1072
L39	13	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	Auto	0.1072

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L39	14	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	Auto	0.1072
L39	16	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	Auto	0.1072
L39	17	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	Auto	0.1072
L39	18	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	Auto	0.1072
L40	12	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	Auto	0.1011
L40	13	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	Auto	0.1011
L40	14	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	Auto	0.1011
L40	16	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	Auto	0.1011
L40	17	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	Auto	0.1011
L40	18	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	Auto	0.1011
L41	12	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	Auto	0.0045
L41	13	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	Auto	0.0045
L41	14	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	Auto	0.0045
L41	16	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	Auto	0.0045
L41	17	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	Auto	0.0045
L41	18	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	Auto	0.0045
L42	8	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 30.50	Auto	0.0000
L42	9	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 30.50	Auto	0.0000
L42	10	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 30.50	Auto	0.0000
L42	12	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 34.00	Auto	0.0000
L42	13	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 34.00	Auto	0.0000
L42	14	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 34.00	Auto	0.0000
L42	16	Sabre MS-850 (8.5" x 1.25" Plate)	30.50 - 34.00	Auto	0.0000
L42	17	Sabre MS-850 (8.5" x 1.25" Plate)	30.50 - 34.00	Auto	0.0000
L42	18	Sabre MS-850 (8.5" x 1.25" Plate)	30.50 - 34.00	Auto	0.0000
L43	8	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	Auto	0.0000
L43	9	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	Auto	0.0000
L43	10	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	Auto	0.0000
L43	12	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	Auto	0.0000
L43	13	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	Auto	0.0000
L43	14	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	Auto	0.0000
L44	8	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	Auto	0.0464
L44	9	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	Auto	0.0464
L44	10	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	Auto	0.0464

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L44	12	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	Auto	0.0464
L44	13	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	Auto	0.0464
L44	14	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	Auto	0.0464
L45	8	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	Auto	0.0420
L45	9	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	Auto	0.0420
L45	10	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	Auto	0.0420
L45	12	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	Auto	0.0420
L45	13	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	Auto	0.0420
L45	14	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	Auto	0.0420
L46	8	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	Auto	0.0000
L46	9	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	Auto	0.0000
L46	10	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	Auto	0.0000
L46	12	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	Auto	0.0000
L46	13	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	Auto	0.0000
L46	14	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	Auto	0.0000
L47	5	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 20.50	Auto	0.0000
L47	6	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 20.50	Auto	0.0000
L47	8	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 25.00	Auto	0.0000
L47	9	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 25.00	Auto	0.0000
L47	10	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 25.00	Auto	0.0000
L47	12	Sabre MS-850 (8.5" x 1.25" Plate)	21.50 - 25.00	Auto	0.0000
L47	13	Sabre MS-850 (8.5" x 1.25" Plate)	21.50 - 25.00	Auto	0.0000
L47	14	Sabre MS-850 (8.5" x 1.25" Plate)	21.50 - 25.00	Auto	0.0000
L48	5	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	Auto	0.0000
L48	6	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	Auto	0.0000
L48	8	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	Auto	0.0000
L48	9	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	Auto	0.0000
L48	10	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	Auto	0.0000
L49	5	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	Auto	0.0000
L49	6	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	Auto	0.0000
L49	8	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	Auto	0.0000
L49	9	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	Auto	0.0000
L49	10	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	Auto	0.0000
L50	5	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L50	6	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	Auto	0.0000
L50	8	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	Auto	0.0000
L50	9	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	Auto	0.0000
L50	10	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	Auto	0.0000
L51	5	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	Auto	0.0000
L51	6	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	Auto	0.0000
L51	8	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	Auto	0.0000
L51	9	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	Auto	0.0000
L51	10	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	Auto	0.0000
L52	5	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	Auto	0.0000
L52	6	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	Auto	0.0000
L52	8	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	Auto	0.0000
L52	9	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	Auto	0.0000
L52	10	Sabre MS-850 (8.5" x 1.25" Plate)	10.50 - 14.00	Auto	0.0000
L53	5	Sabre MS-850 (8.5" x 1.25" Plate)	4.00 - 9.00	Auto	0.0000
L53	6	Sabre MS-850 (8.5" x 1.25" Plate)	4.00 - 9.00	Auto	0.0000
L53	8	Sabre MS-850 (8.5" x 1.25" Plate)	4.00 - 9.00	Auto	0.0000
L53	9	Sabre MS-850 (8.5" x 1.25" Plate)	4.00 - 9.00	Auto	0.0000
L54	5	Sabre MS-850 (8.5" x 1.25" Plate)	0.50 - 4.00	Auto	0.0000
L54	6	Sabre MS-850 (8.5" x 1.25" Plate)	0.50 - 4.00	Auto	0.0000
L54	8	Sabre MS-850 (8.5" x 1.25" Plate)	0.50 - 4.00	Auto	0.0000
L54	9	Sabre MS-850 (8.5" x 1.25" Plate)	0.50 - 4.00	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

Lighting Rod 5/8" x 4' on 4' Pole	C	From Leg	0.500 0.000 3.500	0.000	151.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.387 2.131 2.702 3.773	1.387 2.131 2.702 3.773	0.066 0.087 0.112 0.175

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
*** ***									
DS1F03F36D-N	A	From Leg	4.000 0.000 12.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.104 9.359 11.631 16.224	7.104 9.359 11.631 16.224	0.071 0.122 0.186 0.358
5' x 2" Pipe Mount	A	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.188 1.496 1.807 2.458	1.188 1.496 1.807 2.458	0.018 0.027 0.040 0.076

800 10121 w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.000 4.420 5.290	2.950 3.340 3.740 4.590	0.072 0.115 0.166 0.297
800 10121 w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.000 4.420 5.290	2.950 3.340 3.740 4.590	0.072 0.115 0.166 0.297
800 10121 w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.000 4.420 5.290	2.950 3.340 3.740 4.590	0.072 0.115 0.166 0.297
DC6-48-60-18-8F	A	From Leg	4.000 0.000 3.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.212 1.892 2.105 2.570	1.212 1.892 2.105 2.570	0.020 0.042 0.067 0.126
OPA65R-BU6D w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.250 13.000 13.760 15.340	6.050 6.710 7.390 8.790	0.089 0.176 0.275 0.508
OPA65R-BU6D w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.250 13.000 13.760 15.340	6.050 6.710 7.390 8.790	0.089 0.176 0.275 0.508
OPA65R-BU6D w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.250 13.000 13.760 15.340	6.050 6.710 7.390 8.790	0.089 0.176 0.275 0.508
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	11.960 12.700 13.460 15.020	5.970 6.630 7.300 8.690	0.115 0.201 0.298 0.529
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	11.960 12.700 13.460 15.020	5.970 6.630 7.300 8.690	0.115 0.201 0.298 0.529
DMP65R-BU6D w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	11.960 12.700 13.460 15.020	5.970 6.630 7.300 8.690	0.115 0.201 0.298 0.529
(2) LGP21401	A	From Leg	4.000 0.000	0.000	148.000	No Ice 1/2"	1.104 1.239	0.207 0.274	0.014 0.021

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
			3.000			Ice	1.381	0.348	0.030
						1" Ice	1.688	0.521	0.055
						2" Ice			
(2) LGP21401	B	From Leg	4.000	0.000	148.000	No Ice	1.104	0.207	0.014
			0.000			1/2"	1.239	0.274	0.021
			3.000			Ice	1.381	0.348	0.030
						1" Ice	1.688	0.521	0.055
						2" Ice			
(2) LGP21401	C	From Leg	4.000	0.000	148.000	No Ice	1.104	0.207	0.014
			0.000			1/2"	1.239	0.274	0.021
			3.000			Ice	1.381	0.348	0.030
						1" Ice	1.688	0.521	0.055
						2" Ice			
RRUS 4478 B14_CCIV2	A	From Leg	4.000	0.000	148.000	No Ice	2.021	1.246	0.059
			0.000			1/2"	2.200	1.396	0.077
			3.000			Ice	2.386	1.554	0.097
						1" Ice	2.780	1.891	0.147
						2" Ice			
RRUS 4478 B14_CCIV2	B	From Leg	4.000	0.000	148.000	No Ice	2.021	1.246	0.059
			0.000			1/2"	2.200	1.396	0.077
			3.000			Ice	2.386	1.554	0.097
						1" Ice	2.780	1.891	0.147
						2" Ice			
RRUS 4478 B14_CCIV2	C	From Leg	4.000	0.000	148.000	No Ice	2.021	1.246	0.059
			0.000			1/2"	2.200	1.396	0.077
			3.000			Ice	2.386	1.554	0.097
						1" Ice	2.780	1.891	0.147
						2" Ice			
RRUS 4449 B5/B12	A	From Leg	4.000	0.000	148.000	No Ice	1.968	1.408	0.071
			0.000			1/2"	2.144	1.564	0.090
			3.000			Ice	2.328	1.727	0.111
						1" Ice	2.718	2.075	0.163
						2" Ice			
RRUS 4449 B5/B12	B	From Leg	4.000	0.000	148.000	No Ice	1.968	1.408	0.071
			0.000			1/2"	2.144	1.564	0.090
			3.000			Ice	2.328	1.727	0.111
						1" Ice	2.718	2.075	0.163
						2" Ice			
RRUS 4449 B5/B12	C	From Leg	4.000	0.000	148.000	No Ice	1.968	1.408	0.071
			0.000			1/2"	2.144	1.564	0.090
			3.000			Ice	2.328	1.727	0.111
						1" Ice	2.718	2.075	0.163
						2" Ice			
RRUS 8843 B2/B66A_CCIV2	A	From Leg	4.000	0.000	148.000	No Ice	1.980	1.695	0.075
			0.000			1/2"	2.157	1.861	0.096
			3.000			Ice	2.341	2.035	0.119
						1" Ice	2.733	2.405	0.176
						2" Ice			
RRUS 8843 B2/B66A_CCIV2	B	From Leg	4.000	0.000	148.000	No Ice	1.980	1.695	0.075
			0.000			1/2"	2.157	1.861	0.096
			3.000			Ice	2.341	2.035	0.119
						1" Ice	2.733	2.405	0.176
						2" Ice			
RRUS 8843 B2/B66A_CCIV2	C	From Leg	4.000	0.000	148.000	No Ice	1.980	1.695	0.075
			0.000			1/2"	2.157	1.861	0.096
			3.000			Ice	2.341	2.035	0.119
						1" Ice	2.733	2.405	0.176
						2" Ice			
DC6-48-60-18-8C-EV	B	From Leg	4.000	0.000	148.000	No Ice	1.145	1.145	0.026
			0.000			1/2"	1.792	1.792	0.047
			3.000			Ice	2.002	2.002	0.070
						1" Ice	2.450	2.450	0.125
						2" Ice			
DC6-48-60-18-8C-EV	C	From Leg	4.000	0.000	148.000	No Ice	1.145	1.145	0.026
			0.000			1/2"	1.792	1.792	0.047

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
			3.000			Ice	2.002	2.002	0.070
						1" Ice	2.450	2.450	0.125
						2" Ice			
Platform Mount [LP 715-1_KCKR]	C	None		0.000	148.000	No Ice	57.990	57.990	2.050
						1/2"	64.470	64.470	3.301
						Ice	71.360	71.360	4.691
						1" Ice	86.460	86.460	7.895
						2" Ice			
(2) L 2.5x2.5x3/16x4.75'	A	From Leg	4.000	0.000	148.000	No Ice	1.250	0.005	0.025
			0.000			1/2"	1.601	0.024	0.032
			0.000			Ice	1.959	0.049	0.044
						1" Ice	2.698	0.123	0.081
						2" Ice			
(2) L 2.5x2.5x3/16x4.75'	B	From Leg	4.000	0.000	148.000	No Ice	1.250	0.005	0.025
			0.000			1/2"	1.601	0.024	0.032
			0.000			Ice	1.959	0.049	0.044
						1" Ice	2.698	0.123	0.081
						2" Ice			
(2) L 2.5x2.5x3/16x4.75'	C	From Leg	4.000	0.000	148.000	No Ice	1.250	0.005	0.025
			0.000			1/2"	1.601	0.024	0.032
			0.000			Ice	1.959	0.049	0.044
						1" Ice	2.698	0.123	0.081
						2" Ice			
generic Mount Pipe [12.5 ft. P2.5XS STD]	A	From Leg	4.000	0.000	148.000	No Ice	2.969	2.969	0.036
			0.000			1/2"	4.247	4.247	0.058
			6.250			Ice	5.542	5.542	0.088
						1" Ice	8.054	8.054	0.174
						2" Ice			
(2) sabre Tiebacks [C10179001]	A	From Leg	4.000	0.000	148.000	No Ice	2.375	2.375	0.037
			0.000			1/2"	3.403	3.403	0.054
			4.000			Ice	4.448	4.448	0.079
						1" Ice	5.911	5.911	0.148
						2" Ice			
sabre Tiebacks [C10179001]	B	From Leg	2.000	0.000	148.000	No Ice	2.375	2.375	0.037
			0.000			1/2"	3.403	3.403	0.054
			4.000			Ice	4.448	4.448	0.079
						1" Ice	5.911	5.911	0.148
						2" Ice			

(2) NHH-65C-R2B	A	From Leg	4.000	0.000	138.000	No Ice	5.670	3.400	0.052
			0.000			1/2"	6.200	3.910	0.117
			1.000			Ice	6.740	4.420	0.190
						1" Ice	7.850	5.490	0.361
						2" Ice			
(2) NHH-65C-R2B	B	From Leg	4.000	0.000	138.000	No Ice	5.670	3.400	0.052
			0.000			1/2"	6.200	3.910	0.117
			1.000			Ice	6.740	4.420	0.190
						1" Ice	7.850	5.490	0.361
						2" Ice			
(2) NHH-65C-R2B	C	From Leg	4.000	0.000	138.000	No Ice	5.670	3.400	0.052
			0.000			1/2"	6.200	3.910	0.117
			1.000			Ice	6.740	4.420	0.190
						1" Ice	7.850	5.490	0.361
						2" Ice			
DB854DG65ESX w/ Mount Pipe	A	From Leg	4.000	0.000	138.000	No Ice	5.548	4.100	0.037
			0.000			1/2"	5.941	4.728	0.084
			1.000			Ice	6.342	5.356	0.137
						1" Ice	7.168	6.643	0.264
						2" Ice			
DB854DG65ESX w/ Mount Pipe	B	From Leg	4.000	0.000	138.000	No Ice	5.548	4.100	0.037
			0.000			1/2"	5.941	4.728	0.084
			1.000			Ice	6.342	5.356	0.137
						1" Ice	7.168	6.643	0.264
						2" Ice			
DB854DG65ESX w/ Mount	C	From Leg	4.000	0.000	138.000	No Ice	5.548	4.100	0.037

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
Pipe			0.000 1.000			1/2" Ice 1" Ice 2" Ice	5.941 6.342 7.168	4.728 5.356 6.643	0.084 0.137 0.264
RFV01U-D1A	A	From Leg	4.000 0.000 1.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.250 1.393 1.543 1.865	0.084 0.103 0.124 0.175
RFV01U-D1A	B	From Leg	4.000 0.000 1.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.250 1.393 1.543 1.865	0.084 0.103 0.124 0.175
RFV01U-D1A	C	From Leg	4.000 0.000 1.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.250 1.393 1.543 1.865	0.084 0.103 0.124 0.175
RFV01U-D2A	A	From Leg	4.000 0.000 1.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.013 1.145 1.284 1.585	0.070 0.087 0.106 0.153
RFV01U-D2A	B	From Leg	4.000 0.000 1.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.013 1.145 1.284 1.585	0.070 0.087 0.106 0.153
RFV01U-D2A	C	From Leg	4.000 0.000 1.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.875 2.045 2.223 2.601	1.013 1.145 1.284 1.585	0.070 0.087 0.106 0.153
DB-T1-6Z-8AB-0Z	A	From Leg	4.000 0.000 1.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.800 5.070 5.348 5.926	2.000 2.193 2.393 2.815	0.044 0.080 0.120 0.213
(2) 6' x 2" Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
(2) 6' x 2" Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
(2) 6' x 2" Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
(2) L 2.5x2.5x3/16x4.75'	A	From Leg	4.000 0.000 0.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.250 1.601 1.959 2.698	0.005 0.024 0.049 0.123	0.025 0.032 0.044 0.081
(2) L 2.5x2.5x3/16x4.75'	B	From Leg	4.000 0.000 0.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.250 1.601 1.959 2.698	0.005 0.024 0.049 0.123	0.025 0.032 0.044 0.081
(2) L 2.5x2.5x3/16x4.75'	C	From Leg	4.000	0.000	138.000	No Ice	1.250	0.005	0.025

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
			0.000			1/2"	1.601	0.024	0.032
			0.000			Ice	1.959	0.049	0.044
						1" Ice	2.698	0.123	0.081
						2" Ice			
6' x 2" Horizontal Mount Pipe	A	From Leg	3.000	0.000	138.000	No Ice	1.140	0.010	0.016
			0.000			1/2"	1.760	0.040	0.025
			4.000			Ice	2.140	0.090	0.038
						1" Ice	2.900	0.210	0.077
						2" Ice			
6' x 2" Horizontal Mount Pipe	B	From Leg	3.000	0.000	138.000	No Ice	1.140	0.010	0.016
			0.000			1/2"	1.760	0.040	0.025
			4.000			Ice	2.140	0.090	0.038
						1" Ice	2.900	0.210	0.077
						2" Ice			
6' x 2" Horizontal Mount Pipe	C	From Leg	3.000	0.000	138.000	No Ice	1.140	0.010	0.016
			0.000			1/2"	1.760	0.040	0.025
			4.000			Ice	2.140	0.090	0.038
						1" Ice	2.900	0.210	0.077
						2" Ice			
8' x 3" Mount Pipe	A	From Leg	4.000	0.000	138.000	No Ice	2.400	2.400	0.041
			0.000			1/2"	3.188	3.188	0.058
			1.000			Ice	3.675	3.675	0.081
						1" Ice	4.676	4.676	0.143
						2" Ice			
8' x 3" Mount Pipe	B	From Leg	4.000	0.000	138.000	No Ice	2.400	2.400	0.041
			0.000			1/2"	3.188	3.188	0.058
			1.000			Ice	3.675	3.675	0.081
						1" Ice	4.676	4.676	0.143
						2" Ice			
8' x 3" Mount Pipe	C	From Leg	4.000	0.000	138.000	No Ice	2.400	2.400	0.041
			0.000			1/2"	3.188	3.188	0.058
			1.000			Ice	3.675	3.675	0.081
						1" Ice	4.676	4.676	0.143
						2" Ice			
Platform Mount [LP 303- 1_HR-1]	C	None		0.000	138.000	No Ice	17.090	17.090	1.495
						1/2"	21.470	21.470	1.881
						Ice	25.720	25.720	2.346
						1" Ice	33.960	33.960	3.518
						2" Ice			
Side Arm Mount [SO 102- 3]	C	None		0.000	138.000	No Ice	3.600	3.600	0.075
						1/2"	4.180	4.180	0.105
						Ice	4.750	4.750	0.135
						1" Ice	5.900	5.900	0.195
						2" Ice			

1900MHZ RRH	A	From Leg	1.000	0.000	132.000	No Ice	2.492	3.258	0.044
			0.000			1/2"	2.695	3.484	0.075
			-1.000			Ice	2.906	3.718	0.110
						1" Ice	3.351	4.206	0.192
						2" Ice			
1900MHZ RRH	B	From Leg	1.000	0.000	132.000	No Ice	2.492	3.258	0.044
			0.000			1/2"	2.695	3.484	0.075
			-1.000			Ice	2.906	3.718	0.110
						1" Ice	3.351	4.206	0.192
						2" Ice			
1900MHZ RRH	C	From Leg	1.000	0.000	132.000	No Ice	2.492	3.258	0.044
			0.000			1/2"	2.695	3.484	0.075
			-1.000			Ice	2.906	3.718	0.110
						1" Ice	3.351	4.206	0.192
						2" Ice			
800 EXTERNAL NOTCH FILTER	A	From Leg	1.000	0.000	132.000	No Ice	0.660	0.321	0.011
			0.000			1/2"	0.763	0.398	0.017
			-1.000			Ice	0.873	0.483	0.024
						1" Ice	1.115	0.674	0.045
						2" Ice			

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
800 EXTERNAL NOTCH FILTER	B	From Leg	1.000 0.000 -1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.660 0.763 0.873 1.115	0.321 0.398 0.483 0.674	0.011 0.017 0.024 0.045
800 EXTERNAL NOTCH FILTER	C	From Leg	1.000 0.000 -1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.660 0.763 0.873 1.115	0.321 0.398 0.483 0.674	0.011 0.017 0.024 0.045
800MHZ RRH	A	From Leg	1.000 0.000 -1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.134 2.320 2.512 2.920	1.773 1.946 2.127 2.510	0.053 0.074 0.098 0.157
800MHZ RRH	B	From Leg	1.000 0.000 -1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.134 2.320 2.512 2.920	1.773 1.946 2.127 2.510	0.053 0.074 0.098 0.157
800MHZ RRH	C	From Leg	1.000 0.000 -1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.134 2.320 2.512 2.920	1.773 1.946 2.127 2.510	0.053 0.074 0.098 0.157
4' x 2" Pipe Mount	A	From Leg	1.000 0.000 0.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.785 1.028 1.281 1.814	0.785 1.028 1.281 1.814	0.029 0.035 0.044 0.072
4' x 2" Pipe Mount	B	From Leg	1.000 0.000 0.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.785 1.028 1.281 1.814	0.785 1.028 1.281 1.814	0.029 0.035 0.044 0.072
4' x 2" Pipe Mount	C	From Leg	1.000 0.000 0.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.785 1.028 1.281 1.814	0.785 1.028 1.281 1.814	0.029 0.035 0.044 0.072
Side Arm Mount [SO 104- 3]	C	None		0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.620 3.300 3.980 5.350	2.620 3.300 3.980 5.350	0.288 0.408 0.528 0.768

GPS-TMG-HR-26NCM	A	From Leg	4.000 0.000 3.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.133 0.183 0.239 0.375	0.133 0.183 0.239 0.375	0.001 0.002 0.005 0.014
APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.600 5.050 5.500 6.440	4.010 4.450 4.890 5.820	0.095 0.160 0.235 0.419
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.600 5.050 5.500 6.440	4.010 4.450 4.890 5.820	0.095 0.160 0.235 0.419
APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	4.600 5.050 5.500 6.440	4.010 4.450 4.890 5.820	0.095 0.160 0.235 0.419

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
APXVTM14-C-120 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	4.090 4.480 4.880 5.710	2.860 3.230 3.610 4.400	0.077 0.127 0.185 0.331
APXVTM14-C-120 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	4.090 4.480 4.880 5.710	2.860 3.230 3.610 4.400	0.077 0.127 0.185 0.331
APXVTM14-C-120 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	4.090 4.480 4.880 5.710	2.860 3.230 3.610 4.400	0.077 0.127 0.185 0.331
TD-RRH8X20-25	A	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	4.045 4.298 4.557 5.098	1.535 1.714 1.901 2.295	0.070 0.097 0.128 0.201
TD-RRH8X20-25	B	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	4.045 4.298 4.557 5.098	1.535 1.714 1.901 2.295	0.070 0.097 0.128 0.201
TD-RRH8X20-25	C	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	4.045 4.298 4.557 5.098	1.535 1.714 1.901 2.295	0.070 0.097 0.128 0.201
6' x 2" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.022 0.033 0.048 0.090
T-Arm Mount [TA 602-3]	C	None		0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice	13.400 16.440 19.700 25.860	13.400 16.440 19.700 25.860	0.774 1.004 1.292 2.053

ERICSSON AIR 21 B4A B2P w/ Mount Pipe	A	From Leg	3.000 0.000 1.000	0.000	122.000	No Ice 1/2" Ice 1" Ice	6.329 6.775 7.214 8.117	5.642 6.426 7.131 8.591	0.112 0.169 0.233 0.383
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	B	From Leg	3.000 0.000 1.000	0.000	122.000	2" Ice No Ice 1/2" Ice 1" Ice	6.329 6.775 7.214 8.117	5.642 6.426 7.131 8.591	0.112 0.169 0.233 0.383
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	C	From Leg	3.000 0.000 1.000	0.000	122.000	2" Ice No Ice 1/2" Ice	6.329 6.775 7.214	5.642 6.426 7.131	0.112 0.169 0.233

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
						1" Ice	8.117	8.591	0.383
						2" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	3.000 0.000 0.000	0.000	122.000	No Ice	14.690	6.870	0.186
						1/2"	15.460	7.550	0.315
						Ice	16.230	8.250	0.458
						1" Ice	17.820	9.670	0.788
						2" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	3.000 0.000 0.000	0.000	122.000	No Ice	14.690	6.870	0.186
						1/2"	15.460	7.550	0.315
						Ice	16.230	8.250	0.458
						1" Ice	17.820	9.670	0.788
						2" Ice			
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	3.000 0.000 0.000	0.000	122.000	No Ice	14.690	6.870	0.186
						1/2"	15.460	7.550	0.315
						Ice	16.230	8.250	0.458
						1" Ice	17.820	9.670	0.788
						2" Ice			
RADIO 4449 B12/B71	A	From Leg	3.000 0.000 1.000	0.000	122.000	No Ice	1.650	1.163	0.074
						1/2"	1.810	1.301	0.090
						Ice	1.978	1.447	0.109
						1" Ice	2.336	1.762	0.155
						2" Ice			
RADIO 4449 B12/B71	B	From Leg	3.000 0.000 1.000	0.000	122.000	No Ice	1.650	1.163	0.074
						1/2"	1.810	1.301	0.090
						Ice	1.978	1.447	0.109
						1" Ice	2.336	1.762	0.155
						2" Ice			
RADIO 4449 B12/B71	C	From Leg	3.000 0.000 1.000	0.000	122.000	No Ice	1.650	1.163	0.074
						1/2"	1.810	1.301	0.090
						Ice	1.978	1.447	0.109
						1" Ice	2.336	1.762	0.155
						2" Ice			
6' x 2.375" Horizontal Mount Pipe	A	From Leg	3.000 0.000 1.500	0.000	122.000	No Ice	1.425	1.425	0.028
						1/2"	1.925	1.925	0.039
						Ice	2.294	2.294	0.054
						1" Ice	3.060	3.060	0.096
						2" Ice			
6' x 2.375" Horizontal Mount Pipe	B	From Leg	3.000 0.000 1.500	0.000	122.000	No Ice	1.425	1.425	0.028
						1/2"	1.925	1.925	0.039
						Ice	2.294	2.294	0.054
						1" Ice	3.060	3.060	0.096
						2" Ice			
6' x 2.375" Horizontal Mount Pipe	C	From Leg	3.000 0.000 1.500	0.000	122.000	No Ice	1.425	1.425	0.028
						1/2"	1.925	1.925	0.039
						Ice	2.294	2.294	0.054
						1" Ice	3.060	3.060	0.096
						2" Ice			
4' x 2.375" horizontal mount pipe	A	From Leg	3.000 0.000 1.000	0.000	122.000	No Ice	0.866	0.866	0.030
						1/2"	1.111	1.111	0.037
						Ice	1.365	1.365	0.047
						1" Ice	1.901	1.901	0.077
						2" Ice			
4' x 2.375" horizontal mount pipe	B	From Leg	3.000 0.000 1.000	0.000	122.000	No Ice	0.866	0.866	0.030
						1/2"	1.111	1.111	0.037
						Ice	1.365	1.365	0.047
						1" Ice	1.901	1.901	0.077
						2" Ice			
4' x 2.375" horizontal mount pipe	C	From Leg	3.000 0.000 1.000	0.000	122.000	No Ice	0.866	0.866	0.030
						1/2"	1.111	1.111	0.037
						Ice	1.365	1.365	0.047
						1" Ice	1.901	1.901	0.077
						2" Ice			
4' x 2.375" horizontal mount pipe	A	From Leg	3.000 0.000 -1.000	0.000	122.000	No Ice	0.866	0.866	0.030
						1/2"	1.111	1.111	0.037
						Ice	1.365	1.365	0.047

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
4' x 2.375" horizontal mount pipe	B	From Leg	3.000 0.000 -1.000	0.000	122.000	1" Ice	1.901	1.901	0.077
						2" Ice			
						No Ice	0.866	0.866	0.030
						1/2"	1.111	1.111	0.037
						Ice	1.365	1.365	0.047
4' x 2.375" horizontal mount pipe	C	From Leg	3.000 0.000 -1.000	0.000	122.000	1" Ice	1.901	1.901	0.077
						2" Ice			
						No Ice	0.866	0.866	0.030
						1/2"	1.111	1.111	0.037
						Ice	1.365	1.365	0.047
T-Arm Mount [TA 702-3]	C	None		0.000	122.000	1" Ice	1.901	1.901	0.077
						2" Ice			
						No Ice	4.750	4.750	0.339
						1/2"	5.820	5.820	0.432
						Ice	6.980	6.980	0.550
					1" Ice	9.720	9.720	0.868	

Load Combinations

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

Comb. No.	Description
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	151 - 146	Pole	Max Tension	2	0.000	0.000	-0.000
			Max. Compression	26	-13.677	-0.122	3.203
			Max. Mx	8	-4.335	-26.713	0.661
			Max. My	2	-4.309	-0.004	27.715
			Max. Vy	8	7.685	-26.713	0.661
			Max. Vx	2	-7.700	-0.004	27.715
			Max. Torque	8			3.092
			Max Tension	1	0.000	0.000	0.000
L2	146 - 141	Pole	Max. Compression	26	-14.243	-0.131	3.283
			Max. Mx	8	-4.675	-66.054	0.702
			Max. My	2	-4.648	-0.006	67.131
			Max. Vy	8	8.055	-66.054	0.702
			Max. Vx	2	-8.070	-0.006	67.131
			Max. Torque	8			3.098
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-22.991	-0.141	4.208
L3	141 - 136	Pole	Max. Mx	8	-8.202	-117.257	0.963
			Max. My	2	-8.152	-0.009	118.971
			Max. Vy	8	12.164	-117.257	0.963
			Max. Vx	2	-12.284	-0.009	118.971
			Max. Torque	8			3.455
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-25.538	-0.155	4.309
			Max. Mx	8	-9.433	-179.261	1.007
L4	136 - 131	Pole	Max. My	2	-9.380	-0.012	181.581
			Max. Vy	8	13.337	-179.261	1.007
			Max. Vx	2	-13.460	-0.012	181.581
			Max. Torque	8			3.460
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-30.655	-0.171	4.460
			Max. Mx	8	-11.671	-254.573	1.052
			Max. My	2	-11.612	-0.015	257.539
L5	131 - 126	Pole	Max. Vy	8	15.633	-254.573	1.052
			Max. Vx	2	-15.763	-0.015	257.539
			Max. Torque	8			3.487
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-36.473	-0.208	4.567
			Max. Mx	8	-14.269	-337.000	1.091
			Max. My	2	-14.204	-0.022	340.624
			Max. Vy	8	18.453	-337.000	1.091
L6	126 - 121	Pole	Max. Vx	2	-18.590	-0.022	340.624
			Max. Torque	8			3.491
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.129	-0.268	4.644
			Max. Mx	8	-14.679	-383.332	1.114
			Max. My	2	-14.602	-0.033	387.449
			Max. Vy	8			
			Max. Vx	2			
L7	121 - 118.5	Pole	Max. Torque	8			
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.129	-0.268	4.644
			Max. Mx	8	-14.679	-383.332	1.114
			Max. My	2	-14.602	-0.033	387.449

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L8	118.5 - 118.25	Pole	Max. Vy	8	18.629	-383.332	1.114
			Max. Vx	2	-18.891	-0.033	387.449
			Max. Torque	8			3.493
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.215	-0.275	4.652
L9	118.25 - 113.25	Pole	Max. Mx	8	-14.752	-387.989	1.116
			Max. My	2	-14.675	-0.034	392.173
			Max. Vy	8	18.637	-387.989	1.116
			Max. Vx	2	-18.914	-0.034	392.173
			Max. Torque	8			3.493
L10	113.25 - 108.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-38.727	-0.398	4.799
			Max. Mx	8	-15.761	-482.247	1.162
			Max. My	2	-15.663	-0.056	488.362
			Max. Vy	8	19.066	-482.247	1.162
L11	108.25 - 103.25	Pole	Max. Vx	2	-19.569	-0.056	488.362
			Max. Torque	8			3.499
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-40.148	-0.524	4.944
			Max. Mx	8	-16.739	-578.596	1.205
L12	103.25 - 97.5	Pole	Max. My	2	-16.636	-0.082	587.437
			Max. Vy	8	19.480	-578.596	1.205
			Max. Vx	2	-20.072	-0.082	587.437
			Max. Torque	8			3.505
			Max Tension	1	0.000	0.000	0.000
L13	97.5 - 95.95	Pole	Max. Compression	26	-41.588	-0.653	5.086
			Max. Mx	8	-17.741	-677.003	1.245
			Max. My	2	-17.634	-0.108	688.998
			Max. Vy	8	19.891	-677.003	1.245
			Max. Vx	2	-20.565	-0.108	688.998
L14	95.95 - 95	Pole	Max. Torque	8			3.511
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-42.259	-0.714	5.150
			Max. Mx	8	-18.209	-722.956	1.262
			Max. My	2	-18.101	-0.121	736.537
L15	95 - 94.75	Pole	Max. Vy	8	20.079	-722.956	1.262
			Max. Vx	2	-20.788	-0.121	736.537
			Max. Torque	8			3.513
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-44.618	-0.847	5.288
L16	94.75 - 92.5	Pole	Max. Mx	8	-19.878	-824.608	1.301
			Max. My	2	-19.766	-0.148	841.928
			Max. Vy	8	20.574	-824.608	1.301
			Max. Vx	2	-21.369	-0.148	841.928
			Max. Torque	8			3.520
L17	92.5 - 90.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-44.960	-0.872	5.314
			Max. Mx	8	-20.111	-844.182	1.308
			Max. My	2	-19.999	-0.153	862.266
			Max. Vy	8	20.648	-844.182	1.308
L18	90.25 - 88.75	Pole	Max. Vx	2	-21.464	-0.153	862.266
			Max. Torque	8			3.521
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-45.068	-0.879	5.322
			Max. Mx	8	-20.196	-849.346	1.310
L19	88.75 - 87.25	Pole	Max. My	2	-20.083	-0.155	867.634
			Max. Vy	8	20.665	-849.346	1.310
			Max. Vx	2	-21.489	-0.155	867.634
			Max. Torque	8			3.521
			Max Tension	1	0.000	0.000	0.000
L20	87.25 - 85.75	Pole	Max. Compression	26	-46.046	-0.939	5.383
			Max. Mx	8	-20.884	-896.086	1.327
			Max. My	2	-20.768	-0.167	916.272
			Max. Vy	8	20.881	-896.086	1.327
			Max. Torque	8			3.527

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L17	92.5 - 92.25	Pole	Max. Vx	2	-21.752	-0.167	916.272
			Max. Torque	8			3.525
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-46.137	-0.946	5.390
			Max. Mx	8	-20.950	-901.308	1.328
			Max. My	2	-20.835	-0.168	921.712
			Max. Vy	8	20.897	-901.308	1.328
L18	92.25 - 87.75	Pole	Max. Vx	2	-21.775	-0.168	921.712
			Max. Torque	8			3.525
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-47.783	-1.069	5.512
			Max. Mx	8	-22.041	-996.185	1.360
			Max. My	2	-21.924	-0.193	1020.735
			Max. Vy	8	21.276	-996.185	1.360
L19	87.75 - 87.5	Pole	Max. Vx	2	-22.248	-0.193	1020.735
			Max. Torque	8			3.531
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-47.900	-1.076	5.520
			Max. Mx	8	-22.136	-1001.505	1.362
			Max. My	2	-22.019	-0.195	1026.298
			Max. Vy	8	21.289	-1001.505	1.362
L20	87.5 - 84	Pole	Max. Vx	2	-22.270	-0.195	1026.298
			Max. Torque	8			3.531
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.543	-1.173	5.613
			Max. Mx	8	-23.319	-1076.610	1.386
			Max. My	2	-23.200	-0.215	1104.947
			Max. Vy	8	21.629	-1076.610	1.386
L21	84 - 83.75	Pole	Max. Vx	2	-22.681	-0.215	1104.947
			Max. Torque	8			3.536
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.643	-1.180	5.621
			Max. Mx	8	-23.393	-1082.019	1.388
			Max. My	2	-23.274	-0.216	1110.619
			Max. Vy	8	21.644	-1082.019	1.388
L22	83.75 - 78.75	Pole	Max. Vx	2	-22.704	-0.216	1110.619
			Max. Torque	8			3.536
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-51.543	-1.321	5.754
			Max. Mx	8	-24.767	-1191.304	1.422
			Max. My	2	-24.649	-0.245	1225.368
			Max. Vy	8	22.073	-1191.304	1.422
L23	78.75 - 73.75	Pole	Max. Vx	2	-23.207	-0.245	1225.368
			Max. Torque	8			3.543
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-53.411	-1.464	5.887
			Max. Mx	8	-26.173	-1302.674	1.454
			Max. My	2	-26.058	-0.275	1342.542
			Max. Vy	8	22.487	-1302.674	1.454
L24	73.75 - 68.75	Pole	Max. Vx	2	-23.680	-0.275	1342.542
			Max. Torque	8			3.550
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-55.302	-1.609	6.017
			Max. Mx	8	-27.601	-1416.095	1.485
			Max. My	2	-27.492	-0.305	1462.045
			Max. Vy	8	22.895	-1416.095	1.485
L25	68.75 - 64.75	Pole	Max. Vx	2	-24.140	-0.305	1462.045
			Max. Torque	8			3.557
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-56.923	-1.726	6.120
			Max. Mx	8	-28.763	-1508.283	1.508
			Max. My	2	-28.657	-0.330	1559.327
			Max. Vy	8	23.213	-1508.283	1.508
			Max. Vx	2	-24.520	-0.330	1559.327

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L26	64.75 - 64.5	Pole	Max. Torque	8			3.563
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.052	-1.734	6.127
			Max. Mx	8	-28.869	-1514.087	1.510
			Max. My	2	-28.764	-0.332	1565.458
			Max. Vy	8	23.226	-1514.087	1.510
L27	64.5 - 63.25	Pole	Max. Vx	2	-24.540	-0.332	1565.458
			Max. Torque	8			3.563
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.700	-1.770	6.158
			Max. Mx	8	-29.345	-1543.195	1.517
			Max. My	2	-29.239	-0.340	1596.215
L28	63.25 - 63	Pole	Max. Vy	8	23.348	-1543.195	1.517
			Max. Vx	2	-24.682	-0.340	1596.215
			Max. Torque	8			3.565
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.805	-1.778	6.165
			Max. Mx	8	-29.425	-1549.033	1.519
L29	63 - 58	Pole	Max. My	2	-29.320	-0.341	1602.387
			Max. Vy	8	23.360	-1549.033	1.519
			Max. Vx	2	-24.701	-0.341	1602.387
			Max. Torque	8			3.565
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-59.923	-1.926	6.291
L30	58 - 56.75	Pole	Max. Mx	8	-30.898	-1666.805	1.547
			Max. My	2	-30.798	-0.373	1727.031
			Max. Vy	8	23.755	-1666.805	1.547
			Max. Vx	2	-25.172	-0.373	1727.031
			Max. Torque	8			3.573
			Max Tension	1	0.000	0.000	0.000
L31	56.75 - 56.5	Pole	Max. Compression	26	-60.461	-1.963	6.322
			Max. Mx	8	-31.270	-1696.547	1.554
			Max. My	2	-31.172	-0.381	1758.554
			Max. Vy	8	23.853	-1696.547	1.554
			Max. Vx	2	-25.289	-0.381	1758.554
			Max. Torque	8			3.575
L32	56.5 - 55.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-60.602	-1.971	6.329
			Max. Mx	8	-31.388	-1702.510	1.556
			Max. My	2	-31.291	-0.383	1764.876
			Max. Vy	8	23.860	-1702.510	1.556
			Max. Vx	2	-25.303	-0.383	1764.876
L33	55.25 - 55	Pole	Max. Torque	8			3.575
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-61.304	-2.008	6.359
			Max. Mx	8	-31.910	-1732.411	1.563
			Max. My	2	-31.813	-0.391	1796.584
			Max. Vy	8	23.982	-1732.411	1.563
L34	55 - 47.5	Pole	Max. Vx	2	-25.441	-0.391	1796.584
			Max. Torque	8			3.577
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-61.419	-2.016	6.366
			Max. Mx	8	-31.998	-1738.408	1.564
			Max. My	2	-31.903	-0.392	1802.946
L35	47.5 - 47.05	Pole	Max. Vy	8	23.994	-1738.408	1.564
			Max. Vx	2	-25.459	-0.392	1802.946
			Max. Torque	8			3.577
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-62.723	-2.105	6.439
			Max. Mx	8	-32.963	-1809.534	1.581
			Max. My	2	-32.870	-0.412	1878.413
			Max. Vy	8	24.238	-1809.534	1.581
			Max. Vx	2	-25.725	-0.412	1878.413
			Max. Torque	8			3.582
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-66.617	-2.256	6.563
			Max. Mx	8	-35.991	-1931.926	1.610
			Max. My	2	-35.902	-0.445	2008.341
			Max. Vy	8	24.721	-1931.926	1.610

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L36	47.05 - 42.05	Pole	Max. Vx	2	-26.253	-0.445	2008.341
			Max. Torque	8			3.590
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-68.935	-2.395	6.655
			Max. Mx	8	-37.807	-2056.445	1.637
			Max. My	2	-37.726	-0.478	2140.566
			Max. Vy	8	25.095	-2056.445	1.637
			Max. Vx	2	-26.652	-0.478	2140.566
			Max. Torque	8			3.598
			Max Tension	1	0.000	0.000	0.000
L37	42.05 - 37.05	Pole	Max. Compression	26	-71.338	-2.536	6.749
			Max. Mx	8	-39.654	-2182.754	1.663
			Max. My	2	-39.582	-0.512	2274.721
			Max. Vy	8	25.445	-2182.754	1.663
			Max. Vx	2	-27.033	-0.512	2274.721
			Max. Torque	8			3.605
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-72.407	-2.595	6.789
			Max. Mx	8	-40.440	-2236.320	1.674
			Max. My	2	-40.371	-0.526	2331.638
L38	37.05 - 34.95	Pole	Max. Vy	8	25.588	-2236.320	1.674
			Max. Vx	2	-27.197	-0.526	2331.638
			Max. Torque	8			3.609
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-72.567	-2.603	6.795
			Max. Mx	8	-40.573	-2242.717	1.675
			Max. My	2	-40.506	-0.528	2338.437
			Max. Vy	8	25.595	-2242.717	1.675
			Max. Vx	2	-27.209	-0.528	2338.437
			Max. Torque	8			3.609
L39	34.95 - 34.7	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-72.856	-2.616	6.803
			Max. Mx	8	-40.797	-2254.244	1.678
			Max. My	2	-40.730	-0.531	2350.689
			Max. Vy	8	25.632	-2254.244	1.678
			Max. Vx	2	-27.249	-0.531	2350.689
			Max. Torque	8			3.610
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-72.984	-2.623	6.808
			Max. Mx	8	-40.892	-2260.655	1.679
L40	34.7 - 34.25	Pole	Max. My	2	-40.825	-0.533	2357.503
			Max. Vy	8	25.648	-2260.655	1.679
			Max. Vx	2	-27.269	-0.533	2357.503
			Max. Torque	8			3.610
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-75.541	-2.766	6.903
			Max. Mx	8	-42.775	-2389.704	1.704
			Max. My	2	-42.716	-0.567	2494.736
			Max. Vy	8	25.979	-2389.704	1.704
			Max. Vx	2	-27.640	-0.567	2494.736
L41	34 - 29	Pole	Max. Torque	8			3.618
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-76.700	-2.831	6.946
			Max. Mx	8	-43.634	-2448.293	1.715
			Max. My	2	-43.580	-0.583	2557.076
			Max. Vy	8	26.121	-2448.293	1.715
			Max. Vx	2	-27.800	-0.583	2557.076
			Max. Torque	8			3.621
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-76.862	-2.839	6.952
L42	29 - 26.75	Pole	Max. Mx	8	-43.771	-2454.823	1.716
			Max. My	2	-43.718	-0.585	2564.025
			Max. Vy	8	26.124	-2454.823	1.716
			Max. Vx	2	-27.807	-0.585	2564.025
			Max. Torque	8			3.622
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-76.862	-2.839	6.952
			Max. Mx	8	-43.771	-2454.823	1.716
			Max. My	2	-43.718	-0.585	2564.025
			Max. Vy	8	26.124	-2454.823	1.716
L43	26.75 - 26.5	Pole	Max. Vx	2	-27.807	-0.585	2564.025
			Max. Torque	8			3.622
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-76.862	-2.839	6.952
			Max. Mx	8	-43.771	-2454.823	1.716
			Max. My	2	-43.718	-0.585	2564.025
			Max. Vy	8	26.124	-2454.823	1.716
			Max. Vx	2	-27.807	-0.585	2564.025
			Max. Torque	8			3.622
			Max Tension	1	0.000	0.000	0.000
L44	26.5 - 25.25	Pole	Max. Compression	26	-76.862	-2.839	6.952
			Max. Mx	8	-43.771	-2454.823	1.716
			Max. My	2	-43.718	-0.585	2564.025
			Max. Vy	8	26.124	-2454.823	1.716
			Max. Vx	2	-27.807	-0.585	2564.025
			Max. Torque	8			3.622
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-76.862	-2.839	6.952
			Max. Mx	8	-43.771	-2454.823	1.716
			Max. My	2	-43.718	-0.585	2564.025
L45	26.5 - 25.25	Pole	Max. Vy	8	26.124	-2454.823	1.716
			Max. Vx	2	-27.807	-0.585	2564.025
			Max. Torque	8			3.622
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-76.862	-2.839	6.952
			Max. Mx	8	-43.771	-2454.823	1.716
			Max. My	2	-43.718	-0.585	2564.025
			Max. Vy	8	26.124	-2454.823	1.716
			Max. Vx	2	-27.807	-0.585	2564.025
			Max. Torque	8			3.622

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L46	25.25 - 25	Pole	Max. Compression	26	-77.670	-2.875	6.975
			Max. Mx	8	-44.400	-2487.541	1.723
			Max. My	2	-44.348	-0.594	2598.846
			Max. Vy	8	26.229	-2487.541	1.723
			Max. Vx	2	-27.919	-0.594	2598.846
			Max. Torque	8			3.624
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-77.799	-2.882	6.981
			Max. Mx	8	-44.502	-2494.098	1.724
			Max. My	2	-44.452	-0.596	2605.826
L47	25 - 20	Pole	Max. Vy	8	26.234	-2494.098	1.724
			Max. Vx	2	-27.928	-0.596	2605.826
			Max. Torque	8			3.624
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-80.344	-3.027	7.057
			Max. Mx	8	-46.431	-2626.055	1.748
			Max. My	2	-46.390	-0.632	2746.287
			Max. Vy	8	26.556	-2626.055	1.748
			Max. Vx	2	-28.273	-0.632	2746.287
			Max. Torque	8			3.632
L48	20 - 16.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-81.996	-3.122	6.991
			Max. Mx	8	-47.703	-2712.656	1.763
			Max. My	2	-47.669	-0.655	2838.454
			Max. Vy	8	26.759	-2712.656	1.763
			Max. Vx	2	-28.474	-0.655	2838.454
			Max. Torque	8			3.638
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-82.145	-3.130	6.986
			Max. Mx	8	-47.831	-2719.345	1.764
L49	16.75 - 16.5	Pole	Max. My	2	-47.798	-0.657	2845.571
			Max. Vy	8	26.761	-2719.345	1.764
			Max. Vx	2	-28.477	-0.657	2845.571
			Max. Torque	8			3.638
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-83.486	-3.195	6.941
			Max. Mx	8	-48.901	-2779.735	1.775
			Max. My	2	-48.871	-0.673	2909.811
			Max. Vy	8	26.926	-2779.735	1.775
			Max. Vx	2	-28.640	-0.673	2909.811
L50	16.5 - 14.25	Pole	Max. Torque	8			3.642
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-83.624	-3.202	6.936
			Max. Mx	8	-49.017	-2786.466	1.776
			Max. My	2	-48.989	-0.675	2916.970
			Max. Vy	8	26.929	-2786.466	1.776
			Max. Vx	2	-28.644	-0.675	2916.970
			Max. Torque	8			3.642
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-86.370	-3.354	6.867
L51	14.25 - 14	Pole	Max. Mx	8	-51.207	-2921.943	1.799
			Max. My	2	-51.188	-0.712	3060.984
			Max. Vy	8	27.268	-2921.943	1.799
			Max. Vx	2	-28.975	-0.712	3060.984
			Max. Torque	8			3.651
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-89.072	-3.516	6.869
			Max. Mx	8	-53.427	-3059.048	1.821
			Max. My	2	-53.418	-0.750	3206.592
			Max. Vy	8	27.593	-3059.048	1.821
L52	9 - 4	Pole	Max. Vx	2	-29.294	-0.750	3206.592
			Max. Torque	8			3.660
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-91.185	-3.635	6.883
			Max. Mx	8	-55.223	-3169.900	1.838
			Max. My	2	-55.222	-0.780	3324.218
			Max. Vy	8	27.852	-3169.900	1.838
			Max. Vx	2	-29.546	-0.780	3324.218
			Max. Torque	8			3.668
			Max Tension	1	0.000	0.000	0.000
L53	4 - 0	Pole	Max. Compression	26	-91.185	-3.635	6.883
			Max. Mx	8	-55.223	-3169.900	1.838
			Max. My	2	-55.222	-0.780	3324.218
			Max. Vy	8	27.852	-3169.900	1.838
			Max. Vx	2	-29.546	-0.780	3324.218
			Max. Torque	8			3.668
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-91.185	-3.635	6.883
			Max. Mx	8	-55.223	-3169.900	1.838
			Max. My	2	-55.222	-0.780	3324.218
L54	4 - 0	Pole	Max. Vy	8	27.852	-3169.900	1.838
			Max. Vx	2	-29.546	-0.780	3324.218
			Max. Torque	8			3.668
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-91.185	-3.635	6.883
			Max. Mx	8	-55.223	-3169.900	1.838
			Max. My	2	-55.222	-0.780	3324.218
			Max. Vy	8	27.852	-3169.900	1.838
			Max. Vx	2	-29.546	-0.780	3324.218
			Max. Torque	8			3.668

Section n No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
---------------------	-----------------	-------------------	-----------	-----------------------	------------	--------------------------------	--------------------------------

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	91.185	-0.000	0.000
	Max. H _x	20	55.232	27.834	0.000
	Max. H _z	2	55.232	0.000	29.527
	Max. M _x	2	3324.218	0.000	29.527
	Max. M _z	8	3169.900	-27.834	0.000
	Max. Torsion	8	3.668	-27.834	0.000
	Min. Vert	19	41.424	24.105	-13.964
	Min. H _x	8	55.232	-27.834	0.000
	Min. H _z	14	55.232	0.000	-29.527
	Min. M _x	14	-3320.458	0.000	-29.527
	Min. M _z	20	-3168.338	27.834	0.000
	Min. Torsion	20	-3.668	27.834	0.000

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	46.027	0.000	0.000	-1.472	-0.626	-0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	55.232	0.000	-29.527	-3324.218	-0.780	0.192
0.9 Dead+1.0 Wind 0 deg - No Ice	41.424	0.000	-29.527	-3278.275	-0.578	0.192
1.2 Dead+1.0 Wind 30 deg - No Ice	55.232	13.917	-24.187	-2758.357	-1585.339	-1.701
0.9 Dead+1.0 Wind 30 deg - No Ice	41.424	13.917	-24.187	-2719.742	-1563.230	-1.683
1.2 Dead+1.0 Wind 60 deg - No Ice	55.232	24.105	-13.964	-1593.321	-2745.326	-3.100
0.9 Dead+1.0 Wind 60 deg - No Ice	41.424	24.105	-13.964	-1570.819	-2707.183	-3.069
1.2 Dead+1.0 Wind 90 deg - No Ice	55.232	27.834	0.000	-1.838	-3169.900	-3.668
0.9 Dead+1.0 Wind 90 deg - No Ice	41.424	27.834	0.000	-1.346	-3125.893	-3.632
1.2 Dead+1.0 Wind 120 deg - No Ice	55.232	24.121	13.973	1590.746	-2747.232	-3.252
0.9 Dead+1.0 Wind 120 deg - No Ice	41.424	24.121	13.973	1569.221	-2709.075	-3.222
1.2 Dead+1.0 Wind 150 deg - No Ice	55.232	14.620	25.404	2858.049	-1645.018	-1.978
0.9 Dead+1.0 Wind 150 deg - No Ice	41.424	14.620	25.404	2819.394	-1622.318	-1.959
1.2 Dead+1.0 Wind 180 deg - No Ice	55.232	0.000	29.527	3320.458	-0.780	-0.193
0.9 Dead+1.0 Wind 180 deg - No Ice	41.424	0.000	29.527	3275.523	-0.578	-0.192
1.2 Dead+1.0 Wind 210 deg - No Ice	55.232	-13.917	24.187	2754.617	1583.740	1.698
0.9 Dead+1.0 Wind 210 deg - No Ice	41.424	-13.917	24.187	2717.004	1562.047	1.681
1.2 Dead+1.0 Wind 240 deg - No Ice	55.232	-24.105	13.964	1589.624	2743.727	3.097
0.9 Dead+1.0 Wind 240 deg - No Ice	41.424	-24.105	13.964	1568.113	2705.999	3.067

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
1.2 Dead+1.0 Wind 270 deg	55.232	-27.834	0.000	-1.838	3168.338	3.668
- No Ice						
0.9 Dead+1.0 Wind 270 deg	41.424	-27.834	0.000	-1.346	3124.736	3.632
- No Ice						
1.2 Dead+1.0 Wind 300 deg	55.232	-24.121	-13.973	-1594.443	2745.708	3.255
- No Ice						
0.9 Dead+1.0 Wind 300 deg	41.424	-24.121	-13.973	-1571.927	2707.945	3.224
- No Ice						
1.2 Dead+1.0 Wind 330 deg	55.232	-14.620	-25.404	-2861.788	1643.495	1.981
- No Ice						
0.9 Dead+1.0 Wind 330 deg	41.424	-14.620	-25.404	-2822.130	1621.189	1.962
- No Ice						
1.2 Dead+1.0 Ice+1.0 Temp	91.185	0.000	-0.000	-6.883	-3.635	-0.000
1.2 Dead+1.0 Wind 0	91.185	0.000	-6.584	-813.241	-3.703	0.067
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 30	91.185	3.257	-5.655	-698.990	-401.926	-0.700
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 60	91.185	5.640	-3.265	-406.528	-693.443	-1.268
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 90	91.185	6.513	-0.000	-7.021	-800.142	-1.496
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 120	91.185	5.640	3.265	392.482	-693.435	-1.324
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 150	91.185	3.267	5.673	687.368	-403.323	-0.801
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180	91.185	0.000	6.584	799.180	-3.703	-0.068
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 210	91.185	-3.257	5.655	684.934	394.512	0.699
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 240	91.185	-5.640	3.265	392.482	686.030	1.267
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 270	91.185	-6.513	-0.000	-7.021	792.737	1.495
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300	91.185	-5.640	-3.265	-406.528	686.038	1.323
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	91.185	-3.267	-5.673	-701.425	395.926	0.800
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	46.027	0.000	-6.407	-717.088	-0.648	0.042
Dead+Wind 30 deg - Service	46.027	3.020	-5.248	-595.122	-341.857	-0.372
Dead+Wind 60 deg - Service	46.027	5.231	-3.030	-344.250	-591.638	-0.678
Dead+Wind 90 deg - Service	46.027	6.040	0.000	-1.552	-683.064	-0.803
Dead+Wind 120 deg - Service	46.027	5.234	3.032	341.387	-592.057	-0.712
Dead+Wind 150 deg - Service	46.027	3.172	5.513	614.373	-354.764	-0.433
Dead+Wind 180 deg - Service	46.027	0.000	6.407	713.980	-0.648	-0.042
Dead+Wind 210 deg - Service	46.027	-3.020	5.248	592.015	340.559	0.372
Dead+Wind 240 deg - Service	46.027	-5.231	3.030	341.144	590.341	0.678
Dead+Wind 270 deg - Service	46.027	-6.040	0.000	-1.552	681.768	0.803
Dead+Wind 300 deg - Service	46.027	-5.234	-3.032	-344.492	590.762	0.712
Dead+Wind 330 deg - Service	46.027	-3.172	-5.513	-617.480	353.469	0.434

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	0.000	-46.027	0.000	0.000	46.027	0.000	0.000%
2	0.000	-55.232	-29.527	0.000	55.232	29.527	0.000%
3	0.000	-41.424	-29.527	0.000	41.424	29.527	0.000%

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
4	13.917	-55.232	-24.187	-13.917	55.232	24.187	0.000%
5	13.917	-41.424	-24.187	-13.917	41.424	24.187	0.000%
6	24.105	-55.232	-13.964	-24.105	55.232	13.964	0.000%
7	24.105	-41.424	-13.964	-24.105	41.424	13.964	0.000%
8	27.834	-55.232	0.000	-27.834	55.232	0.000	0.000%
9	27.834	-41.424	0.000	-27.834	41.424	0.000	0.000%
10	24.121	-55.232	13.973	-24.121	55.232	-13.973	0.000%
11	24.121	-41.424	13.973	-24.121	41.424	-13.973	0.000%
12	14.620	-55.232	25.404	-14.620	55.232	-25.404	0.000%
13	14.620	-41.424	25.404	-14.620	41.424	-25.404	0.000%
14	0.000	-55.232	29.527	0.000	55.232	-29.527	0.000%
15	0.000	-41.424	29.527	0.000	41.424	-29.527	0.000%
16	-13.917	-55.232	24.187	13.917	55.232	-24.187	0.000%
17	-13.917	-41.424	24.187	13.917	41.424	-24.187	0.000%
18	-24.105	-55.232	13.964	24.105	55.232	-13.964	0.000%
19	-24.105	-41.424	13.964	24.105	41.424	-13.964	0.000%
20	-27.834	-55.232	0.000	27.834	55.232	0.000	0.000%
21	-27.834	-41.424	0.000	27.834	41.424	0.000	0.000%
22	-24.121	-55.232	-13.973	24.121	55.232	13.973	0.000%
23	-24.121	-41.424	-13.973	24.121	41.424	13.973	0.000%
24	-14.620	-55.232	-25.404	14.620	55.232	25.404	0.000%
25	-14.620	-41.424	-25.404	14.620	41.424	25.404	0.000%
26	0.000	-91.185	0.000	-0.000	91.185	0.000	0.000%
27	0.000	-91.185	-6.584	-0.000	91.185	6.584	0.000%
28	3.257	-91.185	-5.655	-3.257	91.185	5.655	0.000%
29	5.640	-91.185	-3.265	-5.640	91.185	3.265	0.000%
30	6.513	-91.185	0.000	-6.513	91.185	0.000	0.000%
31	5.640	-91.185	3.265	-5.640	91.185	-3.265	0.000%
32	3.267	-91.185	5.673	-3.267	91.185	-5.673	0.000%
33	0.000	-91.185	6.584	-0.000	91.185	-6.584	0.000%
34	-3.257	-91.185	5.655	3.257	91.185	-5.655	0.000%
35	-5.640	-91.185	3.265	5.640	91.185	-3.265	0.000%
36	-6.513	-91.185	0.000	6.513	91.185	0.000	0.000%
37	-5.640	-91.185	-3.265	5.640	91.185	3.265	0.000%
38	-3.267	-91.185	-5.673	3.267	91.185	5.673	0.000%
39	0.000	-46.027	-6.407	0.000	46.027	6.407	0.000%
40	3.020	-46.027	-5.248	-3.020	46.027	5.248	0.000%
41	5.231	-46.027	-3.030	-5.231	46.027	3.030	0.000%
42	6.040	-46.027	0.000	-6.040	46.027	0.000	0.000%
43	5.234	-46.027	3.032	-5.234	46.027	-3.032	0.000%
44	3.172	-46.027	5.513	-3.172	46.027	-5.513	0.000%
45	0.000	-46.027	6.407	0.000	46.027	-6.407	0.000%
46	-3.020	-46.027	5.248	3.020	46.027	-5.248	0.000%
47	-5.231	-46.027	3.030	5.231	46.027	-3.030	0.000%
48	-6.040	-46.027	0.000	6.040	46.027	0.000	0.000%
49	-5.234	-46.027	-3.032	5.234	46.027	3.032	0.000%
50	-3.172	-46.027	-5.513	3.172	46.027	5.513	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	0.00045260
3	Yes	5	0.00000001	0.00017760
4	Yes	7	0.00000001	0.00014729
5	Yes	6	0.00000001	0.00078738
6	Yes	7	0.00000001	0.00015981
7	Yes	6	0.00000001	0.00085701
8	Yes	6	0.00000001	0.00025970
9	Yes	6	0.00000001	0.00009080
10	Yes	7	0.00000001	0.00014346
11	Yes	6	0.00000001	0.00076722
12	Yes	7	0.00000001	0.00016333
13	Yes	6	0.00000001	0.00087083

14	Yes	5	0.00000001	0.00045178
15	Yes	5	0.00000001	0.00017738
16	Yes	7	0.00000001	0.00015541
17	Yes	6	0.00000001	0.00083322
18	Yes	7	0.00000001	0.00014353
19	Yes	6	0.00000001	0.00076782
20	Yes	6	0.00000001	0.00025964
21	Yes	6	0.00000001	0.00009079
22	Yes	7	0.00000001	0.00016037
23	Yes	6	0.00000001	0.00086014
24	Yes	7	0.00000001	0.00015339
25	Yes	6	0.00000001	0.00081557
26	Yes	5	0.00000001	0.00035039
27	Yes	7	0.00000001	0.00040375
28	Yes	7	0.00000001	0.00048247
29	Yes	7	0.00000001	0.00049202
30	Yes	7	0.00000001	0.00039878
31	Yes	7	0.00000001	0.00046474
32	Yes	7	0.00000001	0.00047444
33	Yes	7	0.00000001	0.00038899
34	Yes	7	0.00000001	0.00046765
35	Yes	7	0.00000001	0.00046093
36	Yes	7	0.00000001	0.00039545
37	Yes	7	0.00000001	0.00048829
38	Yes	7	0.00000001	0.00048014
39	Yes	5	0.00000001	0.00007259
40	Yes	5	0.00000001	0.00043376
41	Yes	5	0.00000001	0.00055148
42	Yes	5	0.00000001	0.00019951
43	Yes	5	0.00000001	0.00041120
44	Yes	5	0.00000001	0.00054497
45	Yes	5	0.00000001	0.00007193
46	Yes	5	0.00000001	0.00050017
47	Yes	5	0.00000001	0.00041024
48	Yes	5	0.00000001	0.00019917
49	Yes	5	0.00000001	0.00055597
50	Yes	5	0.00000001	0.00045983

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	151 - 146	23.420	39	1.519	0.014
L2	146 - 141	21.830	39	1.514	0.013
L3	141 - 136	20.257	39	1.488	0.011
L4	136 - 131	18.718	39	1.447	0.010
L5	131 - 126	17.233	39	1.388	0.008
L6	126 - 121	15.818	39	1.313	0.006
L7	121 - 118.5	14.489	39	1.223	0.005
L8	118.5 - 118.25	13.861	39	1.173	0.004
L9	118.25 - 113.25	13.800	39	1.171	0.004
L10	113.25 - 108.25	12.601	39	1.119	0.004
L11	108.25 - 103.25	11.458	39	1.062	0.003
L12	103.25 - 97.5	10.378	39	1.000	0.003
L13	100.95 - 95.95	9.903	39	0.971	0.003
L14	95.95 - 95	8.904	39	0.932	0.003
L15	95 - 94.75	8.720	39	0.920	0.002
L16	94.75 - 92.5	8.672	39	0.918	0.002
L17	92.5 - 92.25	8.243	39	0.899	0.002
L18	92.25 - 87.75	8.196	39	0.896	0.002
L19	87.75 - 87.5	7.378	39	0.841	0.002
L20	87.5 - 84	7.334	39	0.839	0.002
L21	84 - 83.75	6.729	39	0.811	0.002
L22	83.75 - 78.75	6.687	39	0.808	0.002
L23	78.75 - 73.75	5.870	39	0.752	0.002
L24	73.75 - 68.75	5.113	39	0.694	0.002
L25	68.75 - 64.75	4.416	39	0.637	0.001

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L26	64.75 - 64.5	3.902	39	0.590	0.001
L27	64.5 - 63.25	3.871	39	0.588	0.001
L28	63.25 - 63	3.719	39	0.578	0.001
L29	63 - 58	3.689	39	0.575	0.001
L30	58 - 56.75	3.117	39	0.516	0.001
L31	56.75 - 56.5	2.984	39	0.502	0.001
L32	56.5 - 55.25	2.958	39	0.500	0.001
L33	55.25 - 55	2.828	39	0.491	0.001
L34	55 - 47.5	2.802	39	0.488	0.001
L35	52.05 - 47.05	2.510	39	0.458	0.001
L36	47.05 - 42.05	2.044	39	0.430	0.001
L37	42.05 - 37.05	1.620	39	0.381	0.001
L38	37.05 - 34.95	1.247	39	0.331	0.001
L39	34.95 - 34.7	1.106	39	0.310	0.001
L40	34.7 - 34.25	1.090	39	0.309	0.001
L41	34.25 - 34	1.061	39	0.306	0.001
L42	34 - 29	1.045	39	0.303	0.001
L43	29 - 26.75	0.754	39	0.254	0.000
L44	26.75 - 26.5	0.639	39	0.232	0.000
L45	26.5 - 25.25	0.627	39	0.230	0.000
L46	25.25 - 25	0.568	39	0.222	0.000
L47	25 - 20	0.556	39	0.220	0.000
L48	20 - 16.75	0.352	39	0.171	0.000
L49	16.75 - 16.5	0.246	39	0.140	0.000
L50	16.5 - 14.25	0.239	39	0.138	0.000
L51	14.25 - 14	0.178	39	0.120	0.000
L52	14 - 9	0.172	39	0.118	0.000
L53	9 - 4	0.071	39	0.075	0.000
L54	4 - 0	0.014	39	0.033	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
151.000	Lighting Rod 5/8" x 4' on 4' Pole	39	23.420	1.519	0.014	18166
148.000	DS1F03F36D-N	39	22.465	1.518	0.014	18166
138.000	(2) NHH-65C-R2B	39	19.328	1.465	0.010	6560
132.000	1900MHz RRH	39	17.525	1.401	0.008	4490
130.000	GPS-TMG-HR-26NCM	39	16.944	1.374	0.007	4077
122.000	ERICSSON AIR 21 B4A B2P w/ Mount Pipe	39	14.747	1.245	0.005	3140

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	151 - 146	108.379	2	7.012	0.065
L2	146 - 141	101.059	2	6.990	0.061
L3	141 - 136	93.809	2	6.878	0.052
L4	136 - 131	86.713	2	6.692	0.044
L5	131 - 126	79.855	2	6.424	0.036
L6	126 - 121	73.314	2	6.080	0.029
L7	121 - 118.5	67.167	2	5.669	0.023
L8	118.5 - 118.25	64.263	2	5.439	0.020
L9	118.25 - 113.25	63.979	2	5.428	0.020
L10	113.25 - 108.25	58.426	2	5.190	0.018
L11	108.25 - 103.25	53.134	2	4.926	0.015
L12	103.25 - 97.5	48.129	2	4.641	0.013
L13	100.95 - 95.95	45.929	2	4.504	0.013

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L14	95.95 - 95	41.297	2	4.322	0.012
L15	95 - 94.75	40.443	2	4.271	0.011
L16	94.75 - 92.5	40.220	2	4.261	0.011
L17	92.5 - 92.25	38.234	2	4.172	0.011
L18	92.25 - 87.75	38.016	2	4.158	0.011
L19	87.75 - 87.5	34.221	2	3.902	0.010
L20	87.5 - 84	34.017	2	3.893	0.010
L21	84 - 83.75	31.213	2	3.762	0.009
L22	83.75 - 78.75	31.017	2	3.749	0.009
L23	78.75 - 73.75	27.230	2	3.488	0.008
L24	73.75 - 68.75	23.719	2	3.221	0.007
L25	68.75 - 64.75	20.486	2	2.955	0.006
L26	64.75 - 64.5	18.102	2	2.739	0.006
L27	64.5 - 63.25	17.959	2	2.729	0.005
L28	63.25 - 63	17.251	2	2.683	0.005
L29	63 - 58	17.111	2	2.670	0.005
L30	58 - 56.75	14.460	2	2.396	0.005
L31	56.75 - 56.5	13.842	2	2.328	0.004
L32	56.5 - 55.25	13.720	2	2.320	0.004
L33	55.25 - 55	13.118	2	2.277	0.004
L34	55 - 47.5	13.000	2	2.265	0.004
L35	52.05 - 47.05	11.644	2	2.123	0.004
L36	47.05 - 42.05	9.483	2	1.996	0.004
L37	42.05 - 37.05	7.514	2	1.766	0.003
L38	37.05 - 34.95	5.786	2	1.535	0.003
L39	34.95 - 34.7	5.131	2	1.440	0.002
L40	34.7 - 34.25	5.056	2	1.432	0.002
L41	34.25 - 34	4.922	2	1.418	0.002
L42	34 - 29	4.848	2	1.406	0.002
L43	29 - 26.75	3.495	2	1.178	0.002
L44	26.75 - 26.5	2.964	2	1.077	0.002
L45	26.5 - 25.25	2.908	2	1.069	0.002
L46	25.25 - 25	2.633	2	1.029	0.002
L47	25 - 20	2.580	2	1.018	0.002
L48	20 - 16.75	1.631	2	0.794	0.001
L49	16.75 - 16.5	1.140	2	0.650	0.001
L50	16.5 - 14.25	1.106	2	0.640	0.001
L51	14.25 - 14	0.825	2	0.556	0.001
L52	14 - 9	0.796	2	0.546	0.001
L53	9 - 4	0.328	2	0.348	0.001
L54	4 - 0	0.065	2	0.155	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
151.000	Lighting Rod 5/8" x 4' on 4' Pole	2	108.379	7.012	0.065	4383
148.000	DS1F03F36D-N	2	103.983	7.006	0.063	4383
138.000	(2) NHH-65C-R2B	2	89.528	6.775	0.047	1500
132.000	1900MHz RRH	2	81.203	6.484	0.037	1012
130.000	GPS-TMG-HR-26NCM	2	78.518	6.359	0.034	915
122.000	ERICSSON AIR 21 B4A B2P w/ Mount Pipe	2	68.362	5.767	0.024	696

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	151 - 146 (1)	TP18.526x17.59x0.219	5.000	0.000	0.0	12.895	-4.309	754.347	0.006
L2	146 - 141 (2)	TP19.461x18.526x0.219	5.000	0.000	0.0	13.554	-4.648	792.896	0.006
L3	141 - 136 (3)	TP20.397x19.461x0.219	5.000	0.000	0.0	14.213	-8.152	831.445	0.010
L4	136 - 131 (4)	TP21.332x20.397x0.219	5.000	0.000	0.0	14.872	-9.380	869.994	0.011
L5	131 - 126 (5)	TP22.268x21.332x0.219	5.000	0.000	0.0	15.531	-11.612	908.542	0.013
L6	126 - 121 (6)	TP23.203x22.268x0.219	5.000	0.000	0.0	16.190	-14.204	947.091	0.015
L7	121 - 118.5 (7)	TP23.671x23.203x0.219	2.500	0.000	0.0	16.519	-14.602	966.365	0.015
L8	118.5 - 118.25 (8)	TP23.718x23.671x0.494	0.250	0.000	0.0	36.923	-14.675	2160.000	0.007
L9	118.25 - 113.25 (9)	TP24.653x23.718x0.481	5.000	0.000	0.0	37.457	-15.663	2191.260	0.007
L10	113.25 - 108.25 (10)	TP25.589x24.653x0.469	5.000	0.000	0.0	37.915	-16.636	2218.050	0.008
L11	108.25 - 103.25 (11)	TP26.524x25.589x0.463	5.000	0.000	0.0	38.812	-17.634	2270.520	0.008
L12	103.25 - 97.5 (12)	TP27.6x26.524x0.456	5.750	0.000	0.0	38.929	-18.101	2277.360	0.008
L13	97.5 - 95.95 (13)	TP27.442x26.517x0.55	5.000	0.000	0.0	47.625	-19.766	2786.050	0.007
L14	95.95 - 95 (14)	TP27.617x27.442x0.55	0.950	0.000	0.0	47.936	-19.999	2804.250	0.007
L15	95 - 94.75 (15)	TP27.663x27.617x0.8	0.250	0.000	0.0	69.200	-20.083	4048.210	0.005
L16	94.75 - 92.5 (16)	TP28.079x27.663x0.788	2.250	0.000	0.0	69.205	-20.769	4048.520	0.005
L17	92.5 - 92.25 (17)	TP28.126x28.079x0.55	0.250	0.000	0.0	48.836	-20.835	2856.930	0.007
L18	92.25 - 87.75 (18)	TP28.958x28.126x0.538	4.500	0.000	0.0	49.188	-21.924	2877.510	0.008
L19	87.75 - 87.5 (19)	TP29.004x28.958x0.863	0.250	0.000	0.0	78.156	-22.019	4572.110	0.005
L20	87.5 - 84 (20)	TP29.651x29.004x0.85	3.500	0.000	0.0	78.829	-23.200	4611.470	0.005
L21	84 - 83.75 (21)	TP29.697x29.651x0.613	0.250	0.000	0.0	57.362	-23.275	3355.710	0.007
L22	83.75 - 78.75 (22)	TP30.622x29.697x0.6	5.000	0.000	0.0	58.002	-24.649	3393.130	0.007
L23	78.75 - 73.75 (23)	TP31.546x30.622x0.588	5.000	0.000	0.0	58.566	-26.058	3426.130	0.008
L24	73.75 - 68.75 (24)	TP32.471x31.546x0.588	5.000	0.000	0.0	60.315	-27.492	3528.450	0.008
L25	68.75 - 64.75 (25)	TP33.21x32.471x0.575	4.000	0.000	0.0	60.424	-28.657	3534.830	0.008
L26	64.75 - 64.5 (26)	TP33.257x33.21x0.85	0.250	0.000	0.0	88.697	-28.764	5188.780	0.006
L27	64.5 - 63.25 (27)	TP33.488x33.257x0.85	1.250	0.000	0.0	89.330	-29.239	5225.780	0.006
L28	63.25 - 63 (28)	TP33.534x33.488x0.575	0.250	0.000	0.0	61.024	-29.320	3569.880	0.008
L29	63 - 58 (29)	TP34.459x33.534x0.563	5.000	0.000	0.0	61.394	-30.798	3591.560	0.009
L30	58 - 56.75 (30)	TP34.69x34.459x0.563	1.250	0.000	0.0	61.813	-31.172	3616.050	0.009
L31	56.75 - 56.5 (31)	TP34.736x34.69x0.913	0.250	0.000	0.0	99.382	-31.291	5813.820	0.005
L32	56.5 - 55.25 (32)	TP34.967x34.736x0.913	1.250	0.000	0.0	100.06	-31.813	5853.550	0.005
L33	55.25 - 55 (33)	TP35.013x34.967x0.638	0.250	0.000	0.0	70.565	-31.903	4128.040	0.008
L34	55 - 47.5 (34)	TP36.4x35.013x0.638	7.500	0.000	0.0	71.685	-32.870	4193.540	0.008
L35	47.5 - 47.05 (35)	TP35.88x34.934x0.7	5.000	0.000	0.0	79.295	-35.902	4638.740	0.008
L36	47.05 - 42.05 (36)	TP36.825x35.88x0.688	5.000	0.000	0.0	80.000	-37.726	4680.020	0.008
L37	42.05 - 37.05 (37)	TP37.771x36.825x0.675	5.000	0.000	0.0	80.629	-39.582	4716.780	0.008
L38	37.05 - 34.95 (38)	TP38.169x37.771x0.675	2.100	0.000	0.0	81.492	-40.371	4767.290	0.008
L39	34.95 - 34.7 (39)	TP38.216x38.169x0.988	0.250	0.000	0.0	118.37	-40.506	6925.040	0.006

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L40	34.7 - 34.25 (40)	TP38.301x38.216x0.975	0.450	0.000	0.0	117.18 5	-40.730	6855.310	0.006
L41	34.25 - 34 (41)	TP38.348x38.301x0.675	0.250	0.000	0.0	81.883	-40.825	4790.140	0.009
L42	34 - 29 (42)	TP39.294x38.348x0.663	5.000	0.000	0.0	82.411	-42.717	4821.030	0.009
L43	29 - 26.75 (43)	TP39.72x39.294x0.663	2.250	0.000	0.0	83.319	-43.580	4874.150	0.009
L44	26.75 - 26.5 (44)	TP39.767x39.72x0.95	0.250	0.000	0.0	118.74 1	-43.718	6946.360	0.006
L45	26.5 - 25.25 (45)	TP40.003x39.767x0.95	1.250	0.000	0.0	119.46 5	-44.348	6988.670	0.006
L46	25.25 - 25 (46)	TP40.051x40.003x0.663	0.250	0.000	0.0	84.025	-44.452	4915.460	0.009
L47	25 - 20 (47)	TP40.997x40.051x0.65	5.000	0.000	0.0	84.445	-46.390	4940.060	0.009
L48	20 - 16.75 (48)	TP41.611x40.997x0.65	3.250	0.000	0.0	85.732	-47.669	5015.330	0.010
L49	16.75 - 16.5 (49)	TP41.659x41.611x0.763	0.250	0.000	0.0	100.41 0	-47.798	5874.010	0.008
L50	16.5 - 14.25 (50)	TP42.084x41.659x0.763	2.250	0.000	0.0	101.45 5	-48.871	5935.140	0.008
L51	14.25 - 14 (51)	TP42.132x42.084x0.725	0.250	0.000	0.0	96.664	-48.989	5654.830	0.009
L52	14 - 9 (52)	TP43.077x42.132x0.713	5.000	0.000	0.0	97.196	-51.188	5685.960	0.009
L53	9 - 4 (53)	TP44.023x43.077x0.713	5.000	0.000	0.0	99.366	-53.418	5812.900	0.009
L54	4 - 0 (54)	TP44.78x44.023x0.7	4.000	0.000	0.0	99.356	-55.222	5812.340	0.010

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	151 - 146 (1)	TP18.526x17.59x0.219	27.715	351.018	0.079	0.000	351.018	0.000
L2	146 - 141 (2)	TP19.461x18.526x0.219	67.131	382.076	0.176	0.000	382.076	0.000
L3	141 - 136 (3)	TP20.397x19.461x0.219	118.972	413.796	0.288	0.000	413.796	0.000
L4	136 - 131 (4)	TP21.332x20.397x0.219	181.581	446.091	0.407	0.000	446.091	0.000
L5	131 - 126 (5)	TP22.268x21.332x0.219	257.538	478.878	0.538	0.000	478.878	0.000
L6	126 - 121 (6)	TP23.203x22.268x0.219	340.623	512.069	0.665	0.000	512.069	0.000
L7	121 - 118.5 (7)	TP23.671x23.203x0.219	387.449	528.791	0.733	0.000	528.791	0.000
L8	118.5 - 118.25 (8)	TP23.718x23.671x0.494	392.173	1270.858	0.309	0.000	1270.858	0.000
L9	118.25 - 113.25 (9)	TP24.653x23.718x0.481	488.362	1343.650	0.363	0.000	1343.650	0.000
L10	113.25 - 108.25 (10)	TP25.589x24.653x0.469	587.438	1415.158	0.415	0.000	1415.158	0.000
L11	108.25 - 103.25 (11)	TP26.524x25.589x0.463	688.998	1504.300	0.458	0.000	1504.300	0.000
L12	103.25 - 97.5 (12)	TP27.6x26.524x0.456	736.538	1534.900	0.480	0.000	1534.900	0.000
L13	97.5 - 95.95 (13)	TP27.442x26.517x0.55	841.925	1899.575	0.443	0.000	1899.575	0.000
L14	95.95 - 95 (14)	TP27.617x27.442x0.55	862.267	1924.725	0.448	0.000	1924.725	0.000
L15	95 - 94.75 (15)	TP27.663x27.617x0.8	867.633	2732.275	0.318	0.000	2732.275	0.000
L16	94.75 - 92.5 (16)	TP28.079x27.663x0.788	916.275	2778.575	0.330	0.000	2778.575	0.000
L17	92.5 - 92.25 (17)	TP28.126x28.079x0.55	921.708	1998.458	0.461	0.000	1998.458	0.000
L18	92.25 - 87.75 (18)	TP28.958x28.126x0.538	1020.733	2076.600	0.492	0.000	2076.600	0.000
L19	87.75 - 87.5 (19)	TP29.004x28.958x0.863	1026.300	3229.967	0.318	0.000	3229.967	0.000
L20	87.5 - 84 (20)	TP29.651x29.004x0.85	1104.950	3337.817	0.331	0.000	3337.817	0.000
L21	84 - 83.75	TP29.697x29.651x0.613	1110.617	2473.117	0.449	0.000	2473.117	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 $\frac{M_{uy}}{\phi M_{ny}}$
L22	(21) 83.75 - 78.75	TP30.622x29.697x0.6	1225.367	2583.975	0.474	0.000	2583.975	0.000
L23	(22) 78.75 - 73.75	TP31.546x30.622x0.588	1342.542	2693.208	0.498	0.000	2693.208	0.000
L24	(23) 73.75 - 68.75	TP32.471x31.546x0.588	1462.042	2858.008	0.512	0.000	2858.008	0.000
L25	(24) 68.75 - 64.75	TP33.21x32.471x0.575	1559.325	2933.050	0.532	0.000	2933.050	0.000
L26	(25) 64.75 - 64.5	TP33.257x33.21x0.85	1565.458	4239.367	0.369	0.000	4239.367	0.000
L27	(26) 64.5 - 63.25	TP33.488x33.257x0.85	1596.217	4300.825	0.371	0.000	4300.825	0.000
L28	(27) 63.25 - 63	TP33.534x33.488x0.575	1602.383	2992.008	0.536	0.000	2992.008	0.000
L29	(28) 63 - 58 (29)	TP34.459x33.534x0.563	1727.033	3098.342	0.557	0.000	3098.342	0.000
L30	58 - 56.75	TP34.69x34.459x0.563	1758.550	3141.092	0.560	0.000	3141.092	0.000
L31	(30) 56.75 - 56.5	TP34.736x34.69x0.913	1764.875	4954.075	0.356	0.000	4954.075	0.000
L32	(31) 56.5 - 55.25	TP34.967x34.736x0.913	1796.583	5022.908	0.358	0.000	5022.908	0.000
L33	(32) 55.25 - 55	TP35.013x34.967x0.638	1802.950	3604.633	0.500	0.000	3604.633	0.000
L34	(33) 55 - 47.5 (34)	TP36.4x35.013x0.638	1878.417	3720.992	0.505	0.000	3720.992	0.000
L35	47.5 - 47.05	TP35.88x34.934x0.7	2008.342	4139.800	0.485	0.000	4139.800	0.000
L36	(35) 47.05 - 42.05	TP36.825x35.88x0.688	2140.567	4294.092	0.498	0.000	4294.092	0.000
L37	(36) 42.05 - 37.05	TP37.771x36.825x0.675	2274.725	4446.208	0.512	0.000	4446.208	0.000
L38	(37) 37.05 - 34.95	TP38.169x37.771x0.675	2331.642	4542.800	0.513	0.000	4542.800	0.000
L39	(38) 34.95 - 34.7	TP38.216x38.169x0.988	2338.433	6497.867	0.360	0.000	6497.867	0.000
L40	(39) 34.7 - 34.25	TP38.301x38.216x0.975	2350.692	6451.850	0.364	0.000	6451.850	0.000
L41	(40) 34.25 - 34	TP38.348x38.301x0.675	2357.500	4586.842	0.514	0.000	4586.842	0.000
L42	(41) 34 - 29 (42)	TP39.294x38.348x0.663	2494.733	4737.433	0.527	0.000	4737.433	0.000
L43	29 - 26.75	TP39.72x39.294x0.663	2557.075	4843.292	0.528	0.000	4843.292	0.000
L44	(43) 26.75 - 26.5	TP39.767x39.72x0.95	2564.025	6809.633	0.377	0.000	6809.633	0.000
L45	(44) 26.5 - 25.25	TP40.003x39.767x0.95	2598.850	6893.850	0.377	0.000	6893.850	0.000
L46	(45) 25.25 - 25	TP40.051x40.003x0.663	2605.825	4926.433	0.529	0.000	4926.433	0.000
L47	(46) 25 - 20 (47)	TP40.997x40.051x0.65	2746.283	5075.083	0.541	0.000	5075.083	0.000
L48	20 - 16.75	TP41.611x40.997x0.65	2838.450	5232.183	0.542	0.000	5232.183	0.000
L49	(48) 16.75 - 16.5	TP41.659x41.611x0.763	2845.567	6101.550	0.466	0.000	6101.550	0.000
L50	(49) 16.5 - 14.25	TP42.084x41.659x0.763	2909.808	6230.391	0.467	0.000	6230.391	0.000
L51	(50) 14.25 - 14	TP42.132x42.084x0.725	2916.967	5953.833	0.490	0.000	5953.833	0.000
L52	(51) 14 - 9 (52)	TP43.077x42.132x0.713	3060.983	6129.325	0.499	0.000	6129.325	0.000
L53	9 - 4 (53)	TP44.023x43.077x0.713	3206.592	6408.383	0.500	0.000	6408.383	0.000
L54	4 - 0 (54)	TP44.78x44.023x0.7	3324.217	6525.233	0.509	0.000	6525.233	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio V_u ϕV_n	Actual T_u kip-ft	ϕT_n kip-ft	Ratio T_u ϕT_n
L1	151 - 146 (1)	TP18.526x17.59x0.219	7.700	226.304	0.034	0.157	364.422	0.000
L2	146 - 141 (2)	TP19.461x18.526x0.219	8.070	237.869	0.034	0.157	402.618	0.000
L3	141 - 136 (3)	TP20.397x19.461x0.219	12.284	249.433	0.049	0.157	442.719	0.000
L4	136 - 131 (4)	TP21.332x20.397x0.219	13.460	260.998	0.052	0.157	484.723	0.000
L5	131 - 126 (5)	TP22.268x21.332x0.219	15.763	272.563	0.058	0.157	528.630	0.000
L6	126 - 121 (6)	TP23.203x22.268x0.219	18.590	284.127	0.065	0.156	574.440	0.000
L7	121 - 118.5 (7)	TP23.671x23.203x0.219	18.891	289.910	0.065	0.169	598.059	0.000
L8	118.5 - 118.25 (8)	TP23.718x23.671x0.494	18.914	647.999	0.029	0.170	1323.758	0.000
L9	118.25 - 113.25 (9)	TP24.653x23.718x0.481	19.569	657.377	0.030	0.194	1397.733	0.000
L10	113.25 - 108.25 (10)	TP25.589x24.653x0.469	20.072	665.414	0.030	0.194	1470.317	0.000
L11	108.25 - 103.25 (11)	TP26.524x25.589x0.463	20.565	681.156	0.030	0.194	1561.525	0.000
L12	103.25 - 97.5 (12)	TP27.6x26.524x0.456	20.788	683.208	0.030	0.194	1592.467	0.000
L13	97.5 - 95.95 (13)	TP27.442x26.517x0.55	21.369	835.816	0.026	0.194	1977.083	0.000
L14	95.95 - 95 (14)	TP27.617x27.442x0.55	21.464	841.276	0.026	0.194	2003.000	0.000
L15	95 - 94.75 (15)	TP27.663x27.617x0.8	21.489	1214.460	0.018	0.194	2869.750	0.000
L16	94.75 - 92.5 (16)	TP28.079x27.663x0.788	21.752	1214.560	0.018	0.193	2915.758	0.000
L17	92.5 - 92.25 (17)	TP28.126x28.079x0.55	21.775	857.080	0.025	0.193	2078.967	0.000
L18	92.25 - 87.75 (18)	TP28.958x28.126x0.538	22.248	863.254	0.026	0.193	2158.067	0.000
L19	87.75 - 87.5 (19)	TP29.004x28.958x0.863	22.270	1371.630	0.016	0.193	3395.350	0.000
L20	87.5 - 84 (20)	TP29.651x29.004x0.85	22.681	1383.440	0.016	0.193	3504.850	0.000
L21	84 - 83.75 (21)	TP29.697x29.651x0.613	22.704	1006.710	0.023	0.193	2575.558	0.000
L22	83.75 - 78.75 (22)	TP30.622x29.697x0.6	23.207	1017.940	0.023	0.193	2688.175	0.000
L23	78.75 - 73.75 (23)	TP31.546x30.622x0.588	23.680	1027.840	0.023	0.193	2799.042	0.000
L24	73.75 - 68.75 (24)	TP32.471x31.546x0.588	24.140	1058.530	0.023	0.193	2968.717	0.000
L25	68.75 - 64.75 (25)	TP33.21x32.471x0.575	24.520	1060.450	0.023	0.193	3044.242	0.000
L26	64.75 - 64.5 (26)	TP33.257x33.21x0.85	24.540	1556.630	0.016	0.193	4437.317	0.000
L27	64.5 - 63.25 (27)	TP33.488x33.257x0.85	24.682	1567.740	0.016	0.193	4500.842	0.000
L28	63.25 - 63 (28)	TP33.534x33.488x0.575	24.701	1070.960	0.023	0.193	3104.908	0.000
L29	63 - 58 (29)	TP34.459x33.534x0.563	25.172	1077.470	0.023	0.193	3212.575	0.000
L30	58 - 56.75 (30)	TP34.69x34.459x0.563	25.289	1084.810	0.023	0.193	3256.533	0.000
L31	56.75 - 56.5 (31)	TP34.736x34.69x0.913	25.303	1744.150	0.015	0.193	5189.192	0.000
L32	56.5 - 55.25 (32)	TP34.967x34.736x0.913	25.441	1756.060	0.014	0.193	5260.358	0.000
L33	55.25 - 55 (33)	TP35.013x34.967x0.638	25.459	1238.410	0.021	0.193	3744.700	0.000
L34	55 - 47.5 (34)	TP36.4x35.013x0.638	25.725	1258.060	0.020	0.193	3864.483	0.000
L35	47.5 - 47.05 (35)	TP35.88x34.934x0.7	26.253	1391.620	0.019	0.193	4306.367	0.000
L36	47.05 - 42.05 (36)	TP36.825x35.88x0.688	26.652	1404.000	0.019	0.193	4463.042	0.000
L37	42.05 - 37.05 (37)	TP37.771x36.825x0.675	27.033	1415.030	0.019	0.193	4617.392	0.000
L38	37.05 - 34.95 (38)	TP38.169x37.771x0.675	27.197	1430.190	0.019	0.193	4716.817	0.000
L39	34.95 - 34.7 (39)	TP38.216x38.169x0.988	27.209	2077.510	0.013	0.193	6803.250	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 $\frac{T_u}{\phi T_n}$
L40	34.7 - 34.25 (40)	TP38.301x38.216x0.975	27.249	2056.590	0.013	0.193	6752.408	0.000
L41	34.25 - 34 (41)	TP38.348x38.301x0.675	27.269	1437.040	0.019	0.193	4762.142	0.000
L42	34 - 29 (42)	TP39.294x38.348x0.663	27.640	1446.310	0.019	0.193	4914.775	0.000
L43	29 - 26.75 (43)	TP39.72x39.294x0.663	27.800	1462.240	0.019	0.193	5023.667	0.000
L44	26.75 - 26.5 (44)	TP39.767x39.72x0.95	27.807	2083.910	0.013	0.193	7115.417	0.000
L45	26.5 - 25.25 (45)	TP40.003x39.767x0.95	27.919	2096.600	0.013	0.193	7202.367	0.000
L46	25.25 - 25 (46)	TP40.051x40.003x0.663	27.928	1474.640	0.019	0.193	5109.192	0.000
L47	25 - 20 (47)	TP40.997x40.051x0.65	28.273	1482.020	0.019	0.193	5259.692	0.000
L48	20 - 16.75 (48)	TP41.611x40.997x0.65	28.474	1504.600	0.019	0.193	5421.208	0.000
L49	16.75 - 16.5 (49)	TP41.659x41.611x0.763	28.477	1762.200	0.016	0.192	6339.258	0.000
L50	16.5 - 14.25 (50)	TP42.084x41.659x0.763	28.640	1780.540	0.016	0.192	6471.900	0.000
L51	14.25 - 14 (51)	TP42.132x42.084x0.725	28.644	1696.450	0.017	0.192	6178.891	0.000
L52	14 - 9 (52)	TP43.077x42.132x0.713	28.975	1705.790	0.017	0.192	6356.700	0.000
L53	9 - 4 (53)	TP44.023x43.077x0.713	29.294	1743.870	0.017	0.192	6643.708	0.000
L54	4 - 0 (54)	TP44.78x44.023x0.7	29.546	1743.700	0.017	0.192	6761.050	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	151 - 146 (1)	0.006	0.079	0.000	0.034	0.000	0.086	1.050	4.8.2
L2	146 - 141 (2)	0.006	0.176	0.000	0.034	0.000	0.183	1.050	4.8.2
L3	141 - 136 (3)	0.010	0.288	0.000	0.049	0.000	0.300	1.050	4.8.2
L4	136 - 131 (4)	0.011	0.407	0.000	0.052	0.000	0.421	1.050	4.8.2
L5	131 - 126 (5)	0.013	0.538	0.000	0.058	0.000	0.554	1.050	4.8.2
L6	126 - 121 (6)	0.015	0.665	0.000	0.065	0.000	0.685	1.050	4.8.2
L7	121 - 118.5 (7)	0.015	0.733	0.000	0.065	0.000	0.752	1.050	4.8.2
L8	118.5 - 118.25 (8)	0.007	0.309	0.000	0.029	0.000	0.316	1.050	4.8.2
L9	118.25 - 113.25 (9)	0.007	0.363	0.000	0.030	0.000	0.372	1.050	4.8.2
L10	113.25 - 108.25 (10)	0.008	0.415	0.000	0.030	0.000	0.424	1.050	4.8.2
L11	108.25 - 103.25 (11)	0.008	0.458	0.000	0.030	0.000	0.467	1.050	4.8.2
L12	103.25 - 97.5 (12)	0.008	0.480	0.000	0.030	0.000	0.489	1.050	4.8.2
L13	97.5 - 95.95 (13)	0.007	0.443	0.000	0.026	0.000	0.451	1.050	4.8.2
L14	95.95 - 95 (14)	0.007	0.448	0.000	0.026	0.000	0.456	1.050	4.8.2
L15	95 - 94.75 (15)	0.005	0.318	0.000	0.018	0.000	0.323	1.050	4.8.2
L16	94.75 - 92.5 (16)	0.005	0.330	0.000	0.018	0.000	0.335	1.050	4.8.2
L17	92.5 - 92.25 (17)	0.007	0.461	0.000	0.025	0.000	0.469	1.050	4.8.2
L18	92.25 - 87.75 (18)	0.008	0.492	0.000	0.026	0.000	0.500	1.050	4.8.2
L19	87.75 - 87.5 (19)	0.005	0.318	0.000	0.016	0.000	0.323	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
L20	87.5 - 84 (20)	0.005	0.331	0.000	0.016	0.000	0.336	1.050	4.8.2
L21	84 - 83.75 (21)	0.007	0.449	0.000	0.023	0.000	0.457	1.050	4.8.2
L22	83.75 - 78.75 (22)	0.007	0.474	0.000	0.023	0.000	0.482	1.050	4.8.2
L23	78.75 - 73.75 (23)	0.008	0.498	0.000	0.023	0.000	0.507	1.050	4.8.2
L24	73.75 - 68.75 (24)	0.008	0.512	0.000	0.023	0.000	0.520	1.050	4.8.2
L25	68.75 - 64.75 (25)	0.008	0.532	0.000	0.023	0.000	0.540	1.050	4.8.2
L26	64.75 - 64.5 (26)	0.006	0.369	0.000	0.016	0.000	0.375	1.050	4.8.2
L27	64.5 - 63.25 (27)	0.006	0.371	0.000	0.016	0.000	0.377	1.050	4.8.2
L28	63.25 - 63 (28)	0.008	0.536	0.000	0.023	0.000	0.544	1.050	4.8.2
L29	63 - 58 (29)	0.009	0.557	0.000	0.023	0.000	0.567	1.050	4.8.2
L30	58 - 56.75 (30)	0.009	0.560	0.000	0.023	0.000	0.569	1.050	4.8.2
L31	56.75 - 56.5 (31)	0.005	0.356	0.000	0.015	0.000	0.362	1.050	4.8.2
L32	56.5 - 55.25 (32)	0.005	0.358	0.000	0.014	0.000	0.363	1.050	4.8.2
L33	55.25 - 55 (33)	0.008	0.500	0.000	0.021	0.000	0.508	1.050	4.8.2
L34	55 - 47.5 (34)	0.008	0.505	0.000	0.020	0.000	0.513	1.050	4.8.2
L35	47.5 - 47.05 (35)	0.008	0.485	0.000	0.019	0.000	0.493	1.050	4.8.2
L36	47.05 - 42.05 (36)	0.008	0.498	0.000	0.019	0.000	0.507	1.050	4.8.2
L37	42.05 - 37.05 (37)	0.008	0.512	0.000	0.019	0.000	0.520	1.050	4.8.2
L38	37.05 - 34.95 (38)	0.008	0.513	0.000	0.019	0.000	0.522	1.050	4.8.2
L39	34.95 - 34.7 (39)	0.006	0.360	0.000	0.013	0.000	0.366	1.050	4.8.2
L40	34.7 - 34.25 (40)	0.006	0.364	0.000	0.013	0.000	0.370	1.050	4.8.2
L41	34.25 - 34 (41)	0.009	0.514	0.000	0.019	0.000	0.523	1.050	4.8.2
L42	34 - 29 (42)	0.009	0.527	0.000	0.019	0.000	0.536	1.050	4.8.2
L43	29 - 26.75 (43)	0.009	0.528	0.000	0.019	0.000	0.537	1.050	4.8.2
L44	26.75 - 26.5 (44)	0.006	0.377	0.000	0.013	0.000	0.383	1.050	4.8.2
L45	26.5 - 25.25 (45)	0.006	0.377	0.000	0.013	0.000	0.384	1.050	4.8.2
L46	25.25 - 25 (46)	0.009	0.529	0.000	0.019	0.000	0.538	1.050	4.8.2
L47	25 - 20 (47)	0.009	0.541	0.000	0.019	0.000	0.551	1.050	4.8.2
L48	20 - 16.75 (48)	0.010	0.542	0.000	0.019	0.000	0.552	1.050	4.8.2
L49	16.75 - 16.5 (49)	0.008	0.466	0.000	0.016	0.000	0.475	1.050	4.8.2
L50	16.5 - 14.25 (50)	0.008	0.467	0.000	0.016	0.000	0.476	1.050	4.8.2
L51	14.25 - 14 (51)	0.009	0.490	0.000	0.017	0.000	0.499	1.050	4.8.2
L52	14 - 9 (52)	0.009	0.499	0.000	0.017	0.000	0.509	1.050	4.8.2
L53	9 - 4 (53)	0.009	0.500	0.000	0.017	0.000	0.510	1.050	4.8.2
L54	4 - 0 (54)	0.010	0.509	0.000	0.017	0.000	0.519	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	151 - 146	Pole	TP18.526x17.59x0.219	1	-4.309	792.064	8.2	Pass
L2	146 - 141	Pole	TP19.461x18.526x0.219	2	-4.648	832.541	17.4	Pass
L3	141 - 136	Pole	TP20.397x19.461x0.219	3	-8.152	873.017	28.6	Pass
L4	136 - 131	Pole	TP21.332x20.397x0.219	4	-9.380	913.494	40.0	Pass
L5	131 - 126	Pole	TP22.268x21.332x0.219	5	-11.612	953.969	52.8	Pass
L6	126 - 121	Pole	TP23.203x22.268x0.219	6	-14.204	994.446	65.2	Pass
L7	121 - 118.5	Pole	TP23.671x23.203x0.219	7	-14.602	1014.683	71.6	Pass
L8	118.5 - 118.25	Pole	TP23.718x23.671x0.494	8	-14.675	2268.000	30.1	Pass
L9	118.25 - 113.25	Pole	TP24.653x23.718x0.481	9	-15.663	2300.823	35.4	Pass
L10	113.25 - 108.25	Pole	TP25.589x24.653x0.469	10	-16.636	2328.952	40.3	Pass
L11	108.25 - 103.25	Pole	TP26.524x25.589x0.463	11	-17.634	2384.046	44.4	Pass
L12	103.25 - 97.5	Pole	TP27.6x26.524x0.456	12	-18.101	2391.228	46.5	Pass
L13	97.5 - 95.95	Pole	TP27.442x26.517x0.55	13	-19.766	2925.352	42.9	Pass
L14	95.95 - 95	Pole	TP27.617x27.442x0.55	14	-19.999	2944.462	43.4	Pass
L15	95 - 94.75	Pole	TP27.663x27.617x0.8	15	-20.083	4250.620	30.7	Pass
L16	94.75 - 92.5	Pole	TP28.079x27.663x0.788	16	-20.769	4250.946	31.9	Pass
L17	92.5 - 92.25	Pole	TP28.126x28.079x0.55	17	-20.835	2999.776	44.7	Pass
L18	92.25 - 87.75	Pole	TP28.958x28.126x0.538	18	-21.924	3021.385	47.6	Pass
L19	87.75 - 87.5	Pole	TP29.004x28.958x0.863	19	-22.019	4800.715	30.7	Pass
L20	87.5 - 84	Pole	TP29.651x29.004x0.85	20	-23.200	4842.043	32.0	Pass
L21	84 - 83.75	Pole	TP29.697x29.651x0.613	21	-23.275	3523.495	43.5	Pass
L22	83.75 - 78.75	Pole	TP30.622x29.697x0.6	22	-24.649	3562.786	45.9	Pass
L23	78.75 - 73.75	Pole	TP31.546x30.622x0.588	23	-26.058	3597.436	48.3	Pass
L24	73.75 - 68.75	Pole	TP32.471x31.546x0.588	24	-27.492	3704.872	49.5	Pass
L25	68.75 - 64.75	Pole	TP33.21x32.471x0.575	25	-28.657	3711.571	51.5	Pass
L26	64.75 - 64.5	Pole	TP33.257x33.21x0.85	26	-28.764	5448.219	35.7	Pass
L27	64.5 - 63.25	Pole	TP33.488x33.257x0.85	27	-29.239	5487.069	35.9	Pass
L28	63.25 - 63	Pole	TP33.534x33.488x0.575	28	-29.320	3748.374	51.8	Pass
L29	63 - 58	Pole	TP34.459x33.534x0.563	29	-30.798	3771.138	54.0	Pass
L30	58 - 56.75	Pole	TP34.69x34.459x0.563	30	-31.172	3796.852	54.2	Pass
L31	56.75 - 56.5	Pole	TP34.736x34.69x0.913	31	-31.291	6104.511	34.5	Pass
L32	56.5 - 55.25	Pole	TP34.967x34.736x0.913	32	-31.813	6146.227	34.6	Pass
L33	55.25 - 55	Pole	TP35.013x34.967x0.638	33	-31.903	4334.442	48.4	Pass
L34	55 - 47.5	Pole	TP36.4x35.013x0.638	34	-32.870	4403.217	48.9	Pass
L35	47.5 - 47.05	Pole	TP35.88x34.934x0.7	35	-35.902	4870.677	47.0	Pass
L36	47.05 - 42.05	Pole	TP36.825x35.88x0.688	36	-37.726	4914.021	48.3	Pass
L37	42.05 - 37.05	Pole	TP37.771x36.825x0.675	37	-39.582	4952.619	49.6	Pass
L38	37.05 - 34.95	Pole	TP38.169x37.771x0.675	38	-40.371	5005.654	49.7	Pass
L39	34.95 - 34.7	Pole	TP38.216x38.169x0.988	39	-40.506	7271.292	34.8	Pass
L40	34.7 - 34.25	Pole	TP38.301x38.216x0.975	40	-40.730	7198.075	35.3	Pass
L41	34.25 - 34	Pole	TP38.348x38.301x0.675	41	-40.825	5029.647	49.8	Pass
L42	34 - 29	Pole	TP39.294x38.348x0.663	42	-42.717	5062.081	51.0	Pass
L43	29 - 26.75	Pole	TP39.72x39.294x0.663	43	-43.580	5117.857	51.2	Pass
L44	26.75 - 26.5	Pole	TP39.767x39.72x0.95	44	-43.718	7293.678	36.5	Pass
L45	26.5 - 25.25	Pole	TP40.003x39.767x0.95	45	-44.348	7338.103	36.5	Pass
L46	25.25 - 25	Pole	TP40.051x40.003x0.663	46	-44.452	5161.233	51.3	Pass
L47	25 - 20	Pole	TP40.997x40.051x0.65	47	-46.390	5187.063	52.5	Pass
L48	20 - 16.75	Pole	TP41.611x40.997x0.65	48	-47.669	5266.096	52.6	Pass
L49	16.75 - 16.5	Pole	TP41.659x41.611x0.763	49	-47.798	6167.710	45.2	Pass
L50	16.5 - 14.25	Pole	TP42.084x41.659x0.763	50	-48.871	6231.897	45.3	Pass
L51	14.25 - 14	Pole	TP42.132x42.084x0.725	51	-48.989	5937.571	47.5	Pass
L52	14 - 9	Pole	TP43.077x42.132x0.713	52	-51.188	5970.258	48.4	Pass
L53	9 - 4	Pole	TP44.023x43.077x0.713	53	-53.418	6103.545	48.6	Pass
L54	4 - 0	Pole	TP44.78x44.023x0.7	54	-55.222	6102.957	49.5	Pass
							Summary	
							Pole (L7)	71.6
							RATING =	71.6
								Pass

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

APPENDIX B
BASE LEVEL DRAWING

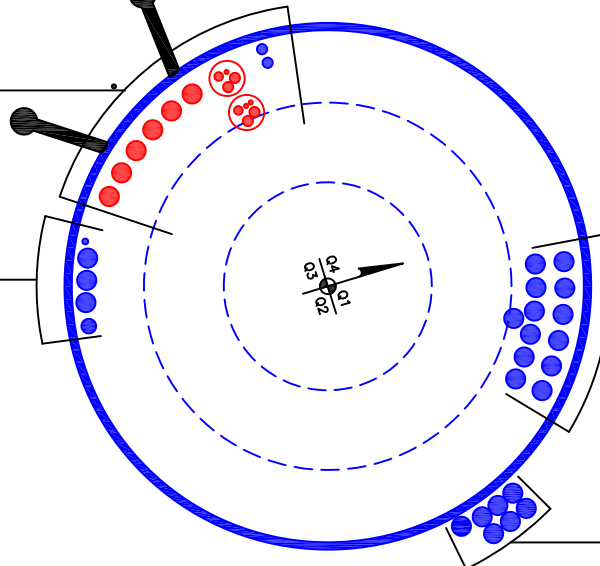


(OTHER CONSIDERED EQUIPMENT)
(2) 7/8" TO 148 FT LEVEL

(PROPOSED EQUIPMENT CONFIGURATION--IN CONDUITS)
(3) 3/8" TO 148 FT LEVEL
(2) 3/4" TO 148 FT LEVEL
(4) 7/8" TO 148 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(6) 1-5/8" TO 148 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 130 FT LEVEL
(1) 1-1/4" TO 130 FT LEVEL
(3) 1-5/8" TO 130 FT LEVEL

CLIMBING PEGS
W/ SAFETY CLIMB



(OTHER CONSIDERED EQUIPMENT)
(13) 1-5/8" TO 138 FT LEVEL

(OTHER CONSIDERED EQUIPMENT)
(7) 1-5/8" TO 122 FT LEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

Site BU: 841295
Work Order: 1897980

Copyright © 2019 Crown Castle

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	151	53.5	3.45	12	17.59	27.6	0.21875	Auto	A572-65
2	100.95	53.45	4.55	12	26.52	36.4	0.3125	Auto	A572-65
3	52.05	52.05	0	12	34.93	44.78	0.375	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	16.75	plate	MS-850 (1.1875")	2									0		0	
2	14.25	26.75	plate	MS-850 (1.1875")	1										0		
3	0	26.75	plate	MS-850 (1.1875")	2		0				0						
4	25.25	34.95	plate	MS-850 (1.1875")	3			0				0				0	
5	34.25	56.75	plate	MS-850 (1.1875")	3		0				0				0		
6	55.25	64.75	plate	MS-650 (1.1875")	3			0				0				0	
7	63.25	87.75	plate	MS-650 (1.1875")	3		0				0				0		
8	84	95	plate	MS-600 (1.1875")	3			0				0				0	
9	92.5	118.5	plate	MS-600 (1.1875")	3		0				0				0		
10																	

Reinforcement Details

	B (in)	H (in)	Gross Area (in ²)	Pole Face to Centroid (in)	Bottom Termination Length (in)	Top Termination Length (in)	L _u (in)	Net Area (in ²)	Bolt Hole Size (in)	Reinforcement Material
1	8.5	1.25	10.625	0.625	45.000	45.000	17.250	9.063	1.1875	A572-65
2	8.5	1.25	10.625	0.625	45.000	45.000	17.250	9.063	1.1875	A572-65
3	8.5	1.25	10.625	0.625	45.000	45.000	17.250	9.063	1.1875	A572-65
4	8.5	1.25	10.625	0.625	45.000	45.000	17.250	9.063	1.1875	A572-65
5	8.5	1.25	10.625	0.625	45.000	45.000	17.250	9.063	1.1875	A572-65
6	6.5	1.25	8.125	0.625	33.000	33.000	19.250	6.563	1.1875	A572-65
7	6.5	1.25	8.125	0.625	33.000	33.000	19.250	6.563	1.1875	A572-65
8	6	1	6	0.5	24.000	24.000	16.375	4.750	1.1875	A572-65
9	6	1	6	0.5	24.000	24.000	16.375	4.750	1.1875	A572-65

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	151 - 146	5		12	17.590	18.526	0.21875	A572-65	1.000
2	146 - 141	5		12	18.526	19.461	0.21875	A572-65	1.000
3	141 - 136	5		12	19.461	20.397	0.21875	A572-65	1.000
4	136 - 131	5		12	20.397	21.332	0.21875	A572-65	1.000
5	131 - 126	5		12	21.332	22.268	0.21875	A572-65	1.000
6	126 - 121	5		12	22.268	23.203	0.21875	A572-65	1.000
7	121 - 118.5	2.5		12	23.203	23.671	0.21875	A572-65	1.000
8	118.5 - 118.25	0.25		12	23.671	23.718	0.49375	A572-65	0.936
9	118.25 - 113.25	5		12	23.718	24.653	0.48125	A572-65	0.941
10	113.25 - 108.25	5		12	24.653	25.589	0.46875	A572-65	0.947
11	108.25 - 103.25	5		12	25.589	26.524	0.4625	A572-65	0.942
12	103.25 - 100.95	5.75	3.45	12	26.524	27.600	0.45625	A572-65	0.947
13	100.95 - 95.95	5		12	26.517	27.442	0.55	A572-65	0.952
14	95.95 - 95	0.95		12	27.442	27.617	0.55	A572-65	0.949
15	95 - 94.75	0.25		12	27.617	27.663	0.8	A572-65	0.919
16	94.75 - 92.5	2.25		12	27.663	28.079	0.7875	A572-65	0.925
17	92.5 - 92.25	0.25		12	28.079	28.126	0.55	A572-65	0.942
18	92.25 - 87.75	4.5		12	28.126	28.958	0.5375	A572-65	0.952
19	87.75 - 87.5	0.25		12	28.958	29.004	0.8625	A572-65	0.912
20	87.5 - 84	3.5		12	29.004	29.651	0.85	A572-65	0.913
21	84 - 83.75	0.25		12	29.651	29.697	0.6125	A572-65	0.941
22	83.75 - 78.75	5		12	29.697	30.622	0.6	A572-65	0.947
23	78.75 - 73.75	5		12	30.622	31.546	0.5875	A572-65	0.953
24	73.75 - 68.75	5		12	31.546	32.471	0.5875	A572-65	0.941
25	68.75 - 64.75	4		12	32.471	33.210	0.575	A572-65	0.952
26	64.75 - 64.5	0.25		12	33.210	33.257	0.85	A572-65	0.924
27	64.5 - 63.25	1.25		12	33.257	33.488	0.85	A572-65	0.920
28	63.25 - 63	0.25		12	33.488	33.534	0.575	A572-65	0.948
29	63 - 58	5		12	33.534	34.459	0.5625	A572-65	0.957
30	58 - 56.75	1.25		12	34.459	34.690	0.5625	A572-65	0.955
31	56.75 - 56.5	0.25		12	34.690	34.736	0.9125	A572-65	0.915
32	56.5 - 55.25	1.25		12	34.736	34.967	0.9125	A572-65	0.911
33	55.25 - 55	0.25		12	34.967	35.013	0.6375	A572-65	0.947
34	55 - 52.05	7.5	4.55	12	35.013	36.400	0.6375	A572-65	0.940
35	52.05 - 47.05	5		12	34.934	35.880	0.7	A572-65	0.943
36	47.05 - 42.05	5		12	35.880	36.825	0.6875	A572-65	0.949
37	42.05 - 37.05	5		12	36.825	37.771	0.675	A572-65	0.956
38	37.05 - 34.95	2.1		12	37.771	38.169	0.675	A572-65	0.952
39	34.95 - 34.7	0.25		12	38.169	38.216	0.9875	A572-65	0.925
40	34.7 - 34.25	0.45		12	38.216	38.301	0.975	A572-65	0.936
41	34.25 - 34	0.25		12	38.301	38.348	0.675	A572-65	0.950
42	34 - 29	5		12	38.348	39.294	0.6625	A572-65	0.958
43	29 - 26.75	2.25		12	39.294	39.720	0.6625	A572-65	0.953
44	26.75 - 26.5	0.25		12	39.720	39.767	0.95	A572-65	0.938
45	26.5 - 25.25	1.25		12	39.767	40.003	0.95	A572-65	0.935
46	25.25 - 25	0.25		12	40.003	40.051	0.6625	A572-65	0.950
47	25 - 20	5		12	40.051	40.997	0.65	A572-65	0.959
48	20 - 16.75	3.25		12	40.997	41.611	0.65	A572-65	0.953
49	16.75 - 16.5	0.25		12	41.611	41.659	0.7625	A572-65	1.026
50	16.5 - 14.25	2.25		12	41.659	42.084	0.7625	A572-65	1.021
51	14.25 - 14	0.25		12	42.084	42.132	0.725	A572-65	0.962
52	14 - 9	5		12	42.132	43.077	0.7125	A572-65	0.968
53	9 - 4	5		12	43.077	44.023	0.7125	A572-65	0.959
54	4 - 0	4		12	44.023	44.780	0.7	A572-65	0.968

TNX Section Forces

Increment (ft):		TNX Output		
		5		
	Section Height (ft)	P _u (K)	M _{ux} (kip-ft)	V _u (K)
1	151 - 146	4.31	27.71	7.70
2	146 - 141	4.65	67.13	8.07
3	141 - 136	8.15	118.97	12.28
4	136 - 131	9.38	181.58	13.46
5	131 - 126	11.61	257.54	15.76
6	126 - 121	14.20	340.62	18.59
7	121 - 118.5	14.60	387.45	18.89
8	118.5 - 118.25	14.67	392.17	18.91
9	118.25 - 113.25	15.66	488.36	19.57
10	113.25 - 108.25	16.64	587.44	20.07
11	108.25 - 103.25	17.63	689.00	20.56
12	103.25 - 100.95	18.10	736.54	20.79
13	100.95 - 95.95	19.77	841.93	21.37
14	95.95 - 95	20.00	862.27	21.46
15	95 - 94.75	20.08	867.63	21.49
16	94.75 - 92.5	20.77	916.27	21.75
17	92.5 - 92.25	20.83	921.71	21.78
18	92.25 - 87.75	21.92	1020.73	22.25
19	87.75 - 87.5	22.02	1026.30	22.27
20	87.5 - 84	23.20	1104.95	22.68
21	84 - 83.75	23.27	1110.62	22.70
22	83.75 - 78.75	24.65	1225.37	23.21
23	78.75 - 73.75	26.06	1342.54	23.68
24	73.75 - 68.75	27.49	1462.05	24.14
25	68.75 - 64.75	28.66	1559.33	24.52
26	64.75 - 64.5	28.76	1565.46	24.54
27	64.5 - 63.25	29.24	1596.22	24.68
28	63.25 - 63	29.32	1602.39	24.70
29	63 - 58	30.80	1727.03	25.17
30	58 - 56.75	31.17	1758.55	25.29
31	56.75 - 56.5	31.29	1764.88	25.30
32	56.5 - 55.25	31.81	1796.58	25.44
33	55.25 - 55	31.90	1802.95	25.46
34	55 - 52.05	32.87	1878.41	25.72
35	52.05 - 47.05	35.90	2008.34	26.25
36	47.05 - 42.05	37.73	2140.57	26.65
37	42.05 - 37.05	39.58	2274.72	27.03
38	37.05 - 34.95	40.37	2331.64	27.20
39	34.95 - 34.7	40.51	2338.44	27.21
40	34.7 - 34.25	40.73	2350.69	27.25
41	34.25 - 34	40.83	2357.50	27.27
42	34 - 29	42.72	2494.74	27.64
43	29 - 26.75	43.58	2557.08	27.80
44	26.75 - 26.5	43.72	2564.03	27.81
45	26.5 - 25.25	44.35	2598.85	27.92
46	25.25 - 25	44.45	2605.83	27.93
47	25 - 20	46.39	2746.29	28.27
48	20 - 16.75	47.67	2838.45	28.47
49	16.75 - 16.5	47.80	2845.57	28.48
50	16.5 - 14.25	48.87	2909.81	28.64
51	14.25 - 14	48.99	2916.97	28.64
52	14 - 9	51.19	3060.98	28.98
53	9 - 4	53.42	3206.59	29.29
54	4 - 0	55.22	3324.22	29.55

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
151 - 146	Pole	TP18.526x17.59x0.2188	Pole	8.0%	Pass
146 - 141	Pole	TP19.461x18.526x0.2188	Pole	17.2%	Pass
141 - 136	Pole	TP20.397x19.461x0.2188	Pole	28.1%	Pass
136 - 131	Pole	TP21.332x20.397x0.2188	Pole	39.6%	Pass
131 - 126	Pole	TP22.268x21.332x0.2188	Pole	52.2%	Pass
126 - 121	Pole	TP23.203x22.268x0.2188	Pole	64.5%	Pass
121 - 118.5	Pole	TP23.671x23.203x0.2188	Pole	71.0%	Pass
118.5 - 118.25	Pole + Reinf.	TP23.718x23.671x0.4938	Reinf. 9 Bolt-Shaft Bearing	47.3%	Pass
118.25 - 113.25	Pole + Reinf.	TP24.653x23.718x0.4813	Reinf. 9 Tension Rupture	54.2%	Pass
113.25 - 108.25	Pole + Reinf.	TP25.589x24.653x0.4688	Reinf. 9 Tension Rupture	61.7%	Pass
108.25 - 103.25	Pole + Reinf.	TP26.524x25.589x0.4625	Reinf. 9 Tension Rupture	68.5%	Pass
103.25 - 100.95	Pole + Reinf.	TP27.6x26.524x0.4563	Reinf. 9 Tension Rupture	71.5%	Pass
100.95 - 95.95	Pole + Reinf.	TP27.442x26.517x0.55	Reinf. 9 Tension Rupture	65.9%	Pass
95.95 - 95	Pole + Reinf.	TP27.617x27.442x0.55	Reinf. 9 Tension Rupture	66.8%	Pass
95 - 94.75	Pole + Reinf.	TP27.663x27.617x0.8	Reinf. 9 Tension Rupture	47.4%	Pass
94.75 - 92.5	Pole + Reinf.	TP28.079x27.663x0.7875	Reinf. 9 Tension Rupture	49.0%	Pass
92.5 - 92.25	Pole + Reinf.	TP28.126x28.079x0.55	Reinf. 8 Tension Rupture	69.4%	Pass
92.25 - 87.75	Pole + Reinf.	TP28.958x28.126x0.5375	Reinf. 8 Tension Rupture	73.3%	Pass
87.75 - 87.5	Pole + Reinf.	TP29.004x28.958x0.8625	Reinf. 8 Tension Rupture	47.3%	Pass
87.5 - 84	Pole + Reinf.	TP29.651x29.004x0.85	Reinf. 8 Tension Rupture	49.4%	Pass
84 - 83.75	Pole + Reinf.	TP29.697x29.651x0.6125	Reinf. 7 Tension Rupture	65.8%	Pass
83.75 - 78.75	Pole + Reinf.	TP30.622x29.697x0.6	Reinf. 7 Tension Rupture	69.2%	Pass
78.75 - 73.75	Pole + Reinf.	TP31.546x30.622x0.5875	Reinf. 7 Tension Rupture	72.5%	Pass
73.75 - 68.75	Pole + Reinf.	TP32.471x31.546x0.5875	Reinf. 7 Tension Rupture	75.4%	Pass
68.75 - 64.75	Pole + Reinf.	TP33.21x32.471x0.575	Reinf. 7 Tension Rupture	77.7%	Pass
64.75 - 64.5	Pole + Reinf.	TP33.257x33.21x0.85	Reinf. 7 Tension Rupture	53.9%	Pass
64.5 - 63.25	Pole + Reinf.	TP33.488x33.257x0.85	Reinf. 7 Tension Rupture	54.5%	Pass
63.25 - 63	Pole + Reinf.	TP33.534x33.488x0.575	Reinf. 6 Tension Rupture	78.6%	Pass
63 - 58	Pole + Reinf.	TP34.459x33.534x0.5625	Reinf. 6 Tension Rupture	81.2%	Pass
58 - 56.75	Pole + Reinf.	TP34.69x34.459x0.5625	Reinf. 6 Tension Rupture	81.8%	Pass
56.75 - 56.5	Pole + Reinf.	TP34.736x34.69x0.9125	Reinf. 6 Tension Rupture	52.3%	Pass
56.5 - 55.25	Pole + Reinf.	TP34.967x34.736x0.9125	Reinf. 6 Tension Rupture	52.7%	Pass
55.25 - 55	Pole + Reinf.	TP35.013x34.967x0.6375	Reinf. 5 Compression	69.3%	Pass
55 - 52.05	Pole + Reinf.	TP36.4x35.013x0.6375	Reinf. 5 Compression	70.6%	Pass
52.05 - 47.05	Pole + Reinf.	TP35.88x34.934x0.7	Reinf. 5 Compression	67.7%	Pass
47.05 - 42.05	Pole + Reinf.	TP36.825x35.88x0.6875	Reinf. 5 Compression	69.3%	Pass
42.05 - 37.05	Pole + Reinf.	TP37.771x36.825x0.675	Reinf. 5 Compression	70.8%	Pass
37.05 - 34.95	Pole + Reinf.	TP38.169x37.771x0.675	Reinf. 5 Compression	71.4%	Pass
34.95 - 34.7	Pole + Reinf.	TP38.216x38.169x0.9875	Reinf. 4 Bolt Shear	51.8%	Pass
34.7 - 34.25	Pole + Reinf.	TP38.301x38.216x0.975	Reinf. 5 Bolt Shear	51.9%	Pass
34.25 - 34	Pole + Reinf.	TP38.348x38.301x0.675	Reinf. 4 Compression	71.6%	Pass
34 - 29	Pole + Reinf.	TP39.294x38.348x0.6625	Reinf. 4 Compression	73.0%	Pass
29 - 26.75	Pole + Reinf.	TP39.72x39.294x0.6625	Reinf. 4 Compression	73.5%	Pass
26.75 - 26.5	Pole + Reinf.	TP39.767x39.72x0.95	Reinf. 2 Bolt Shear	53.8%	Pass
26.5 - 25.25	Pole + Reinf.	TP40.003x39.767x0.95	Reinf. 4 Bolt Shear	54.0%	Pass
25.25 - 25	Pole + Reinf.	TP40.051x40.003x0.6625	Reinf. 2 Compression	74.0%	Pass
25 - 20	Pole + Reinf.	TP40.997x40.051x0.65	Reinf. 2 Compression	75.1%	Pass
20 - 16.75	Pole + Reinf.	TP41.611x40.997x0.65	Reinf. 2 Compression	75.8%	Pass
16.75 - 16.5	Pole + Reinf.	TP41.659x41.611x0.7625	Reinf. 3 Compression	69.7%	Pass
16.5 - 14.25	Pole + Reinf.	TP42.084x41.659x0.7625	Reinf. 3 Compression	70.2%	Pass
14.25 - 14	Pole + Reinf.	TP42.132x42.084x0.725	Reinf. 3 Compression	70.6%	Pass
14 - 9	Pole + Reinf.	TP43.077x42.132x0.7125	Reinf. 3 Compression	71.6%	Pass
9 - 4	Pole + Reinf.	TP44.023x43.077x0.7125	Reinf. 3 Compression	72.5%	Pass
4 - 0	Pole + Reinf.	TP44.78x44.023x0.7	Reinf. 3 Bolt Shear	75.8%	Pass
				Summary	
			Pole	71.0%	Pass
			Reinforcement	81.8%	Pass
			Overall	81.8%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in ⁴)			Area (in ²)			% Capacity*									
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5	R6	R7	R8	R9
151 - 146	552	n/a	552	12.88	n/a	12.88	8.0%									
146 - 141	641	n/a	641	13.53	n/a	13.53	17.2%									
141 - 136	740	n/a	740	14.19	n/a	14.19	28.1%									
136 - 131	847	n/a	847	14.85	n/a	14.85	39.6%									
131 - 126	965	n/a	965	15.51	n/a	15.51	52.2%									
126 - 121	1093	n/a	1093	16.17	n/a	16.17	64.5%									
121 - 118.5	1161	n/a	1161	16.50	n/a	16.50	71.0%									
118.5 - 118.25	1168	1402	2571	16.53	18.00	34.53	31.6%									47.3%
118.25 - 113.25	1313	1508	2822	17.19	18.00	35.19	37.8%									54.2%
113.25 - 108.25	1470	1618	3088	17.84	18.00	35.84	43.7%									61.7%
108.25 - 103.25	1639	1732	3371	18.50	18.00	36.50	49.5%									68.5%
103.25 - 100.95	1720	1786	3506	18.81	18.00	36.81	52.1%									71.5%
100.95 - 95.95	2568	1848	4416	27.26	18.00	45.26	41.9%									65.9%
95.95 - 95	2618	1870	4489	27.44	18.00	45.44	42.6%									66.8%
95 - 94.75	2631	3753	6384	27.48	36.00	63.48	30.2%								47.4%	47.4%
94.75 - 92.5	2753	3861	6614	27.90	36.00	63.90	31.4%								49.0%	49.0%
92.5 - 92.25	2767	1936	4704	27.95	18.00	45.95	44.5%								69.4%	
92.25 - 87.75	3023	2047	5070	28.78	18.00	46.78	47.5%								73.3%	
87.75 - 87.5	3038	4887	7924	28.83	42.38	71.20	30.7%							46.7%	47.3%	
87.5 - 84	3248	5095	8343	29.48	42.38	71.85	32.3%							48.8%	49.4%	
84 - 83.75	3263	2963	6226	29.53	24.38	53.90	43.6%							65.8%		
83.75 - 78.75	3581	3140	6721	30.46	24.38	54.83	46.4%							69.2%		
78.75 - 73.75	3919	3322	7241	31.38	24.38	55.76	49.2%							72.5%		
73.75 - 68.75	4277	3509	7786	32.31	24.38	56.69	51.9%							75.4%		
68.75 - 64.75	4579	3663	8242	33.06	24.38	57.43	53.9%							77.7%		
64.75 - 64.5	4598	7345	11943	33.10	48.75	81.85	37.5%						53.9%	53.9%		
64.5 - 63.25	4696	7442	12138	33.33	48.75	82.08	38.0%						54.5%	54.5%		
63.25 - 63	4716	3731	8447	33.38	24.38	57.76	54.8%						78.6%			
63 - 58	5120	3930	9050	34.31	24.38	58.69	57.3%						81.2%			
58 - 56.75	5225	3980	9205	34.54	24.38	58.92	57.9%						81.8%			
56.75 - 56.5	5246	9248	14494	34.59	56.25	90.84	37.0%					51.6%	52.3%			
56.5 - 55.25	5352	9365	14718	34.82	56.25	91.07	37.5%					50.2%	52.7%			
55.25 - 55	5374	5338	10712	34.87	31.88	66.74	51.7%					69.3%				
55 - 52.05	5631	5496	11128	35.42	31.88	67.29	53.1%					70.6%				
52.05 - 47.05	6907	5591	12498	42.81	31.88	74.69	47.6%					67.7%				
47.05 - 42.05	7474	5874	13349	43.95	31.88	75.83	49.2%					69.3%				
42.05 - 37.05	8071	6165	14236	45.09	31.88	76.97	50.7%					70.8%				
37.05 - 34.95	8331	6289	14620	45.57	31.88	77.45	51.4%					71.4%				
34.95 - 34.7	8363	12608	20970	45.63	63.75	109.38	36.0%				51.8%	50.0%				
34.7 - 34.25	8419	12661	21081	45.73	63.75	109.48	36.1%				50.1%	51.9%				
34.25 - 34	8451	6346	14796	45.79	31.88	77.66	51.7%				71.6%					
34 - 29	9098	6648	15746	46.93	31.88	78.80	53.2%				73.0%					
29 - 26.75	9400	6786	16186	47.44	31.88	79.32	53.8%				73.5%					
26.75 - 26.5	9434	13603	23036	47.50	63.75	111.25	38.0%		53.8%	53.8%	51.9%					
26.5 - 25.25	9605	13758	23362	47.78	63.75	111.53	38.3%		52.2%	52.2%	54.0%					
25.25 - 25	9639	6894	16533	47.84	31.88	79.71	54.3%		74.0%	74.0%						
25 - 20	10345	7209	17554	48.98	31.88	80.86	55.8%		75.1%	75.1%						
20 - 16.75	10822	7418	18240	49.72	31.88	81.60	56.7%		75.8%	75.8%						
16.75 - 16.5	11042	10621	21663	49.78	53.13	102.90	52.2%	53.8%	47.4%	69.7%						
16.5 - 14.25	11385	10831	22216	50.29	53.13	103.42	52.8%	52.3%	49.5%	70.2%						
14.25 - 14	11291	9973	21264	50.35	42.50	92.85	54.3%	63.2%		70.6%						
14 - 9	12075	10408	22483	51.49	42.50	93.99	55.7%	64.2%		71.6%						
9 - 4	12893	10853	23746	52.63	42.50	95.13	57.0%	65.1%		72.5%						
4 - 0	13574	11216	24790	53.54	42.50	96.04	58.0%	68.1%		75.8%						

Note: Section capacity checked in 5 degree increments.
Rating per TIA-222-H Section 15.5.

Monopole Base Plate Connection

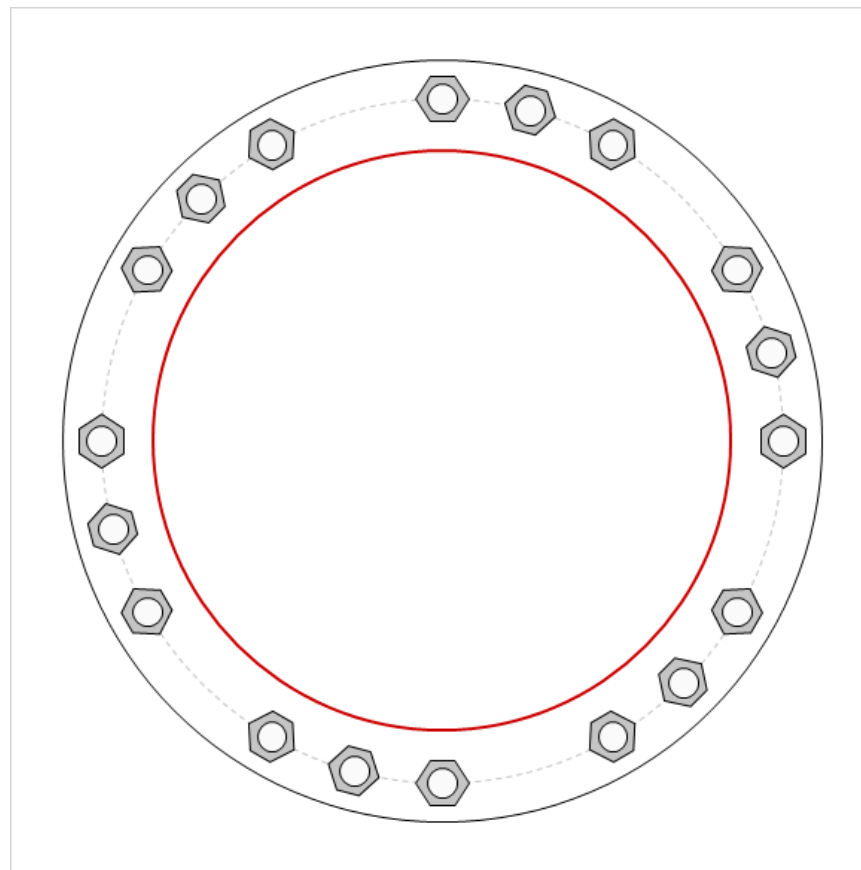


Site Info	
BU #	841295
Site Name	BETHANY
Order #	517062 Rev. 1

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1.75

Applied Loads	
Moment (kip-ft)	3324.22
Axial Force (kips)	55.22
Shear Force (kips)	29.55

*TIA-222-H Section 15.5 Applied



Connection Properties		Analysis Results	
Anchor Rod Data		Anchor Rod Summary <i>(units of kips, kip-in)</i>	
GROUP 1: (12) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 52.75" BC		GROUP 1:	
GROUP 2: (6) 2-1/4" ϕ bolts (Williams All-Thread Bar N; $F_y=127.7$ ksi, $F_u=125$ ksi) on 52		$Pu_c = 159.34$	$\phi Pn_c = 268.39$
		$Vu = 2.46$	$\phi Vn = 120.77$
		$Mu = n/a$	$\phi Mn = n/a$
			Stress Rating
			56.6%
			Pass
Base Plate Data		GROUP 2:	
58.75" OD x 3" Plate (A572-60; $F_y=60$ ksi, $F_u=75$ ksi)		$Pu_c = 194.26$	$\phi Pn_c = 468.91$
		$Vu = 0$	$\phi Vn = 211.01$
		$Mu = n/a$	$\phi Mn = n/a$
			Stress Rating
			39.5%
			Pass
Stiffener Data		Base Plate Summary	
N/A		Max Stress (ksi):	15.16 (Flexural)
		Allowable Stress (ksi):	54
		Stress Rating:	26.7%
			Pass
Pole Data			
44.78" x 0.375" 12-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)			

Pier and Pad Foundation



BU # : 841295
 Site Name: BETHANY
 App. Number: 517062 Rev. 1

TIA-222 Revision: H
 Tower Type: Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp} :	55.23	kips
Base Shear, Vu_{comp} :	29.53	kips
Moment, M_u :	3324.22	ft-kips
Tower Height, H :	151	ft
BP Dist. Above Fdn, bp_{dist} :	4	in

Pier Properties		
Pier Shape:	Square	
Pier Diameter, $dpier$:	6	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, Sc :	11	
Pier Rebar Quantity, mc :	36	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	9	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

Pad Properties		
Depth, D :	7.5	ft
Pad Width, W :	22	ft
Pad Thickness, T :	3	ft
Pad Rebar Size (Top), Sp_{top} :	7	
Pad Top Rebar Quantity (Top), mp_{top} :	24	
Pad Rebar Size (Bottom), Sp :	7	
Pad Rebar Quantity (Bottom), mp :	24	
Pad Clear Cover, cc_{pad} :	3	in

Material Properties		
Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	3	ksi
Dry Concrete Density, δ_c :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	130	pcf
Ultimate Gross Bearing, Q_{ult} :	30.000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	40	degrees
SPT Blow Count, N_{blows} :	69	
Base Friction, μ :	0.5	
Neglected Depth, N :	3.00	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	3.3	ft

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	297.21	29.53	9.5%	Pass
Bearing Pressure (ksf)	22.50	3.33	14.8%	Pass
Overturning (kip*ft)	4980.73	3570.30	71.7%	Pass
Pier Flexure (Comp.) (kip*ft)	6892.07	3471.87	48.0%	Pass
Pier Compression (kip)	17184.96	84.40	0.5%	Pass
Pad Flexure (kip*ft)	2011.77	1930.22	91.4%	Pass
Pad Shear - 1-way (kips)	687.30	301.43	41.8%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.164	0.000	0.0%	Pass
Flexural 2-way (Comp) (kip*ft)	2700.20	2083.12	73.5%	Pass

*Rating per TIA-222-H Section 15.5

Soil Rating*:	71.7%
Structural Rating*:	91.4%

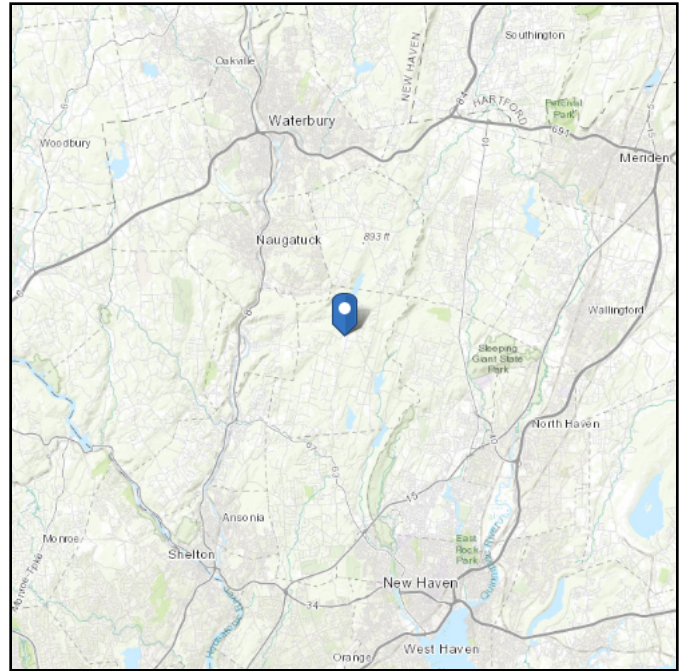
<--Toggle between Gross and Net

ASCE 7 Hazards Report

Address:
No Address at This
Location

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

Elevation: 741.6 ft (NAVD 88)
Latitude: 41.442758
Longitude: -72.992461



Wind

Results:

Wind Speed:	125 Vmph	*wind speed per jurisdiction specific requirements
10-year MRI	76 Vmph	
25-year MRI	86 Vmph	
50-year MRI	93 Vmph	
100-year MRI	99 Vmph	

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

Date Accessed: Wed Nov 04 2020

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

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

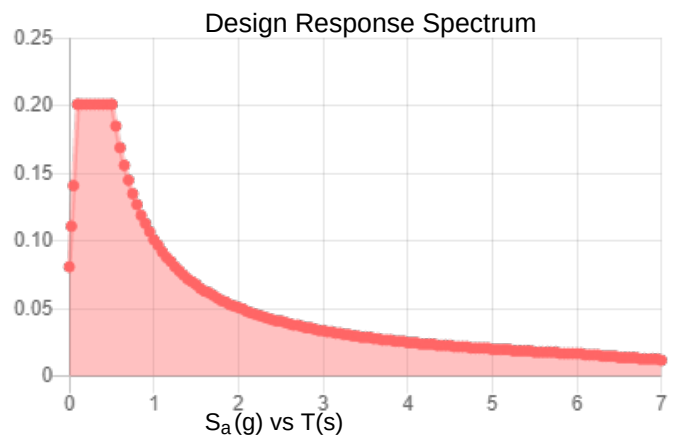
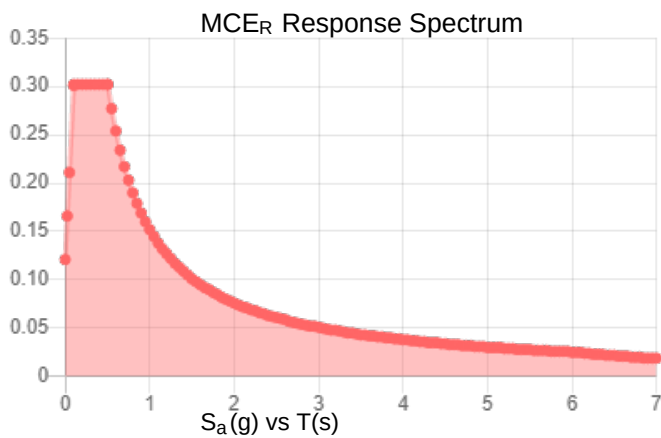
Mountainous terrain, gorges, ocean promontories, and special wind regions should be examined for unusual wind conditions.

Site Soil Class: D - Stiff Soil

Results:

S_S :	0.189	S_{DS} :	0.201
S_1 :	0.063	S_{D1} :	0.101
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.098
S_{MS} :	0.302	PGA_M :	0.158
S_{M1} :	0.152	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Wed Nov 04 2020

Date Source:

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

Ice

Results:

Ice Thickness: 0.75 in.

Concurrent Temperature: 15 F

Gust Speed: 50 mph

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

Date Accessed: Wed Nov 04 2020

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 50-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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

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

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

Exhibit E

Mount Analysis

Date: **August 13, 2020**

Darcy Tarr
Crown Castle
6325 Ardrey Kell Road
Charlotte, NC 28277
(704) 405.6589



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

Subject: **Mount Modification Analysis Report**

Carrier Designation: **AT&T Mobility**
Carrier Site ID: **10035070**
Carrier Site Name: **BETHANY**
PACE Number: **MRCTB046652**
FA Number: **10035070**

Crown Castle Designation: **Crown Castle BU Number:** **841295**
Crown Castle Site Name: **BETHANY**
Crown Castle JDE Job Number: **605387**
Crown Castle Order Number: **517062 Rev 1**

Engineering Firm Designation: **POD Report Designation:** **20-67835**

Site Data: **709 Amity Road, Bethany, New Haven County, CT 06524**
Latitude 41°26'33.93" Longitude -72°59'32.86"

Structure Information: **Tower Height & Type:** **150 ft Monopole**
Mount Elevation: **148 ft**
Mount Type: **12.87 ft Platform with Support Rails**

Dear Darcy Tarr,

POD Group is pleased to submit this "Mount Modification Analysis Report" to determine the structural integrity of AT&T'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:

12.5 ft Platform with Support Rails (Multiple Sectors)

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.**

The analysis has been performed in accordance with the TIA-222-H Standard based upon an ultimate 3-second gust wind speed of 125 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Mount structural analysis prepared by: Julianna Murphy

Respectfully submitted by:


Jason G. Cheronis, P.E.
Connecticut PE #: 0032793



8/13/20

TABLE OF CONTENTS

1) INTRODUCTION

2) ANALYSIS CRITERIA

Table 1 – Final Equipment Configuration

3) ANALYSIS PROCEDURE

Table 2 – Documents Provided

3.1) Analysis Method

3.2) Assumptions

4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity

4.1) Recommendations

5) DISCLAIMER OF WARRANTIES

6) APPENDIX A

Wire Frame and Rendered Models

7) APPENDIX B

Software Input Calculations

8) APPENDIX C

Software Analysis Output

9) APPENDIX D

Additional Calculations

10) APPENDIX E

Specification Sheets

11) APPENDIX F

Mount Modification Design Drawings

1) INTRODUCTION

This mount is an existing 12.87 ft Platform with Support Rails. This mount is installed at the 148 ft elevation of the 150 ft Monopole.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	125 mph
Exposure Category:	C
Topographic Factor at Base:	1
Topographic Factor at Mount:	1
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.189
Seismic S_1:	0.063
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 - Final Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details	Note
148	167	1	dbSpectra	DS1F03F36D-N	12.87 ft Platform with Support Rails	
	151	6	Powerwave	LGP21401		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14_CCIV2		
		3	Ericsson	RRUS 8843 B2/B66A_CCIV2		
		2	Raycap	DC6-48-60-18-8C-EV		
		1	Raycap	DC6-48-60-18-8F		
	149	3	Kathrein	800 10121		
		3	CCI Antennas	DMP65R-BU6D		
		3	CCI Antennas	OPA65R-BU6D		

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Application	-	Crown Application #: 517089 Rev 1 Dated: 04/23/2020	Crown
RFDS	-	AT&T Mobility RFDS Name: CTL02162 Dated: 03/25/2020	Crown
Previous Mount Analysis	-	Infinigy Project #: 1039-Z0001-B Dated: 04/30/2020	Infinigy
Previous Mount Modification Analysis	-	Infinigy Project #: 1039-Z0001-B Dated: 05/08/2020	Infinigy
Previous Mount Modification Drawings	-	Infinigy Project #: 4039-Z0001-B Dated: 05/07/2020	Infinigy
Tieback Specification Sheet	-	Sabre Industries Part #: C10179001 Dated: 10/12/2006	Sabre Industries
Mount Modification Design Drawings	-	POD Group Project #: 20-67835 Dated: 08/13/2020	POD

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 B). In addition, this analysis is in accordance with AT&T's mount technical directive.

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.
- 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) 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.
- 6) All structural members shall be verified in accordance with AT&T Mount Technical Directive.
- 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) Steel grades have been assumed as follows, unless noted otherwise:
 - a. 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 (12.87 ft Platform with Support Rails)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
	Support	HSRK1	148	98.3	Pass
	Solid Rounds	SR14	148	85.2	Pass
	Mount Pipe	MP GAMMA5	148	70.7	Pass
	Rail	RAIL2	148	57.1	Pass
	Standoff	SO3A	148	53.0	Pass
	Face	FACE2	148	52.2	Pass
	Plate	PLATE2	148	39.6	Pass
	Kicker	KICKER3	148	26.1	Pass
	Connection	Connection2	148	20.0	Pass
	Corner Plate	CRPLATE4	148	12.7	Pass
	Angle	ANGLE1	148	11.0	Pass
	Tieback	TIEBACK2	148	3.8	Pass
1	Bolts	-	-	13.0	Pass
	Flange Plate	-	-	46.5	Pass
	Flange Bolts	-	-	6.0	Pass

Structure Rating (max from all components) =	98.3%
---	--------------

Notes:

- 1) See additional documentation in "Appendix D – Additional Calculations" for calculations supporting the % capacity

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 structural modifications listed below must be completed.

1. Replace existing mount pipe and hardware with 12.5 ft P2.5XS STD Mount Pipe and new u-bolts.
2. Install (3) Sabra Tiebacks, P/N: C10179001

Engineering detail drawings have been provided in Appendix F – Mount Modification Design Drawings. Connection from the mount to the tower and local stresses on the tower are sufficient.

5) DISCLAIMER OF WARRANTIES

POD Group has not performed a site visit to the structure to verify the member sizes or antenna/coax loading unless noted otherwise. If the existing conditions are not as represented in this report, we should be contacted immediately to evaluate the significance of the discrepancy. This is not a condition assessment of the structure or foundation. This report does not replace a full structure inspection. The structure, foundations, and mounting systems are assumed to have been properly fabricated, erected, maintained, in good condition, twist free, and plumb.

The engineering services rendered by POD Group in connection with this Structural Analysis are limited to a computer analysis of the structure and theoretical capacity of its main structural members. No allowance was made for any damaged, bent, missing, loose, or rusted members (above and below ground). No allowance was made for loose bolts or cracked welds.

POD Group does not analyze the fabrication of the structure (including welding). It is not possible to have all the very detailed information needed to perform a thorough analysis of every structural sub-component and connection of an existing structure. POD Group provides a limited scope of service in that we cannot verify the adequacy of every weld, plate connection detail, etc. The purpose of this report is to assess the feasibility of adding appurtenances usually accompanied by transmission lines to the structure.

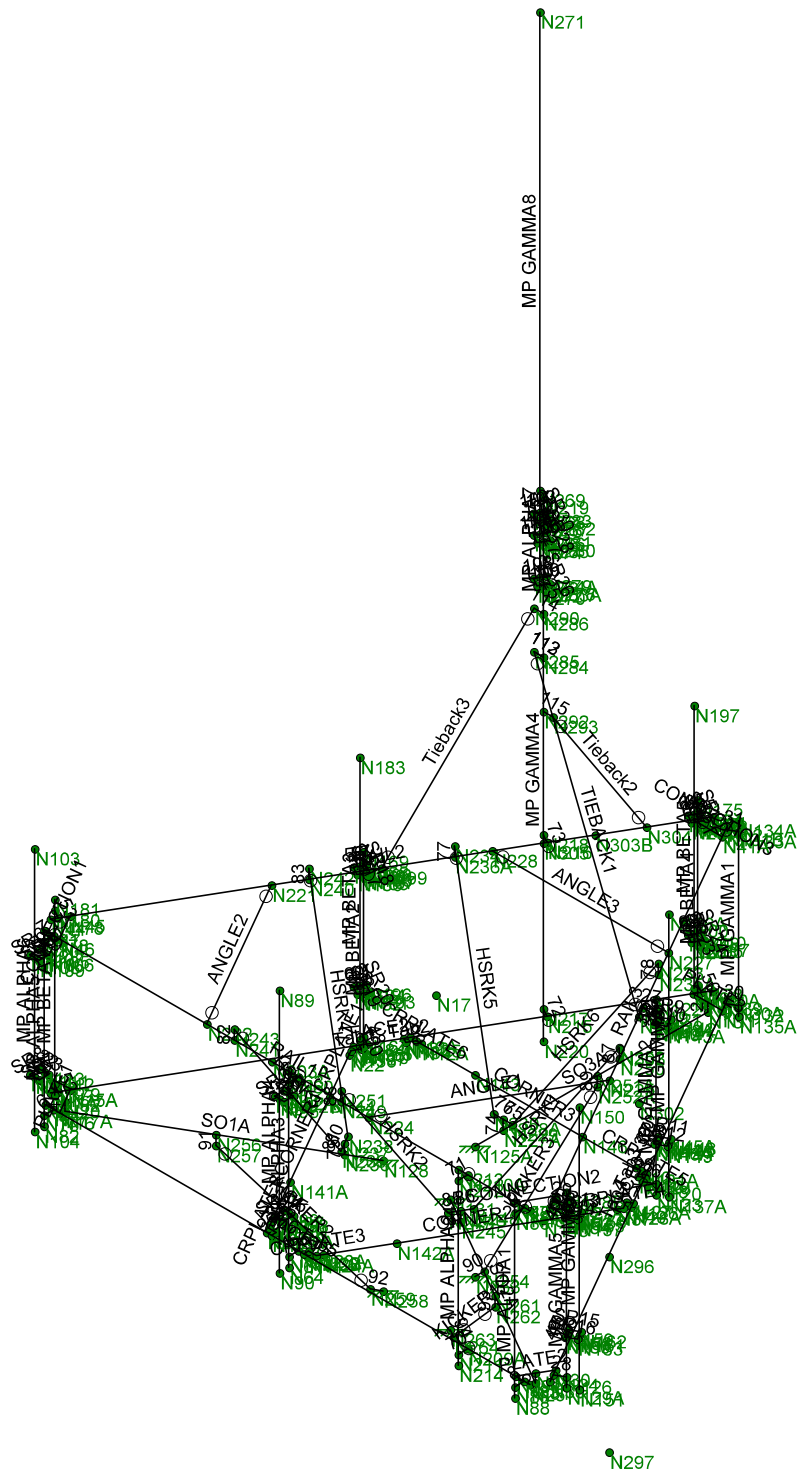
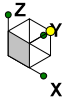
It is the owner's responsibility to determine the amount of ice accumulation in excess of the code specified amount, if any, that should be considered in the structural analysis.

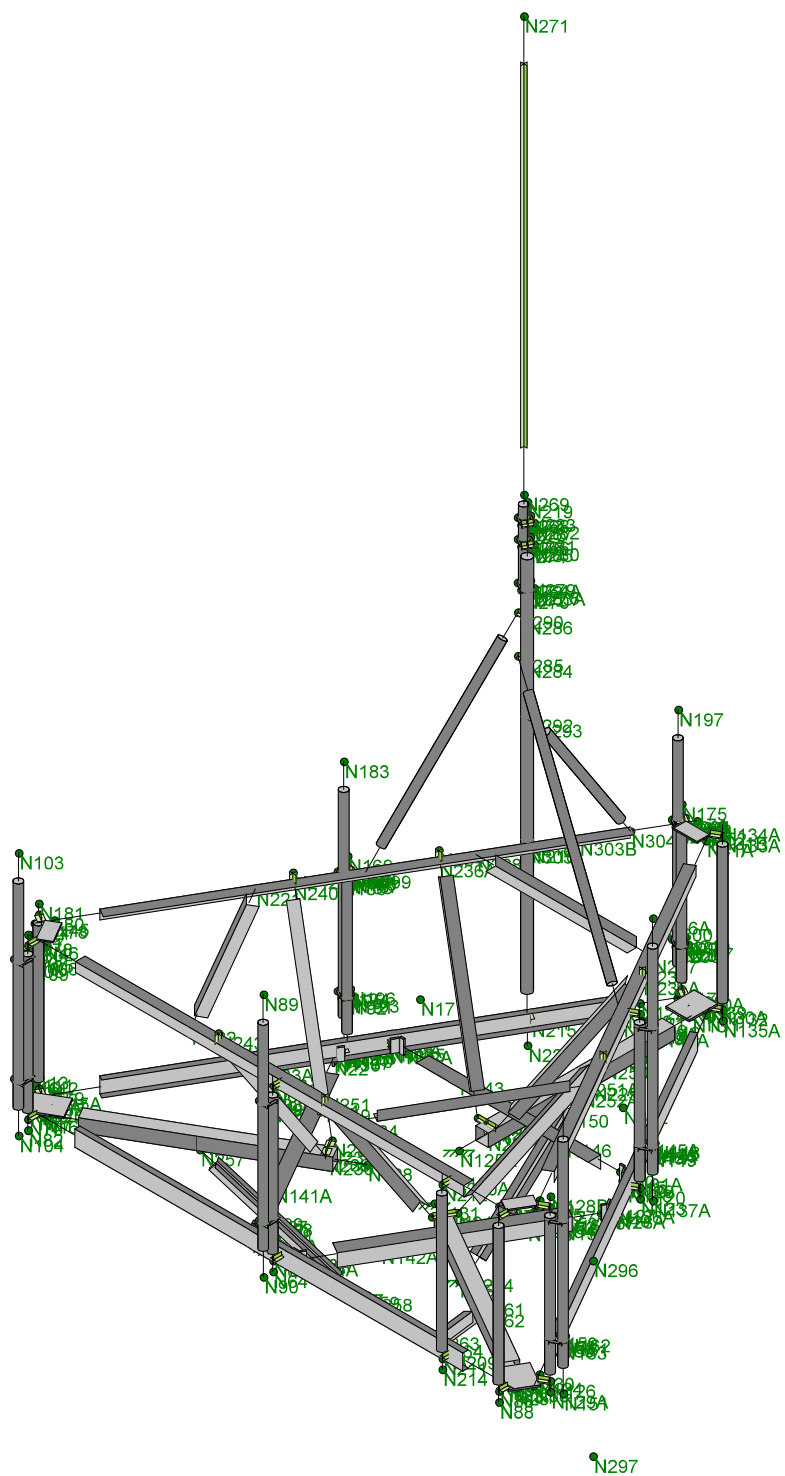
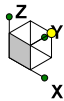
The attached sketches are a schematic representation of the analyzed structure. If any material is fabricated from these sketches, the contractor shall be responsible for field verifying the existing conditions, proper fit, and clearance in the field. Any mentions of structural modifications are reasonable estimates and should not be used as a precise construction document. Precise modification drawings are obtainable from POD Group, but are beyond the scope of this report.

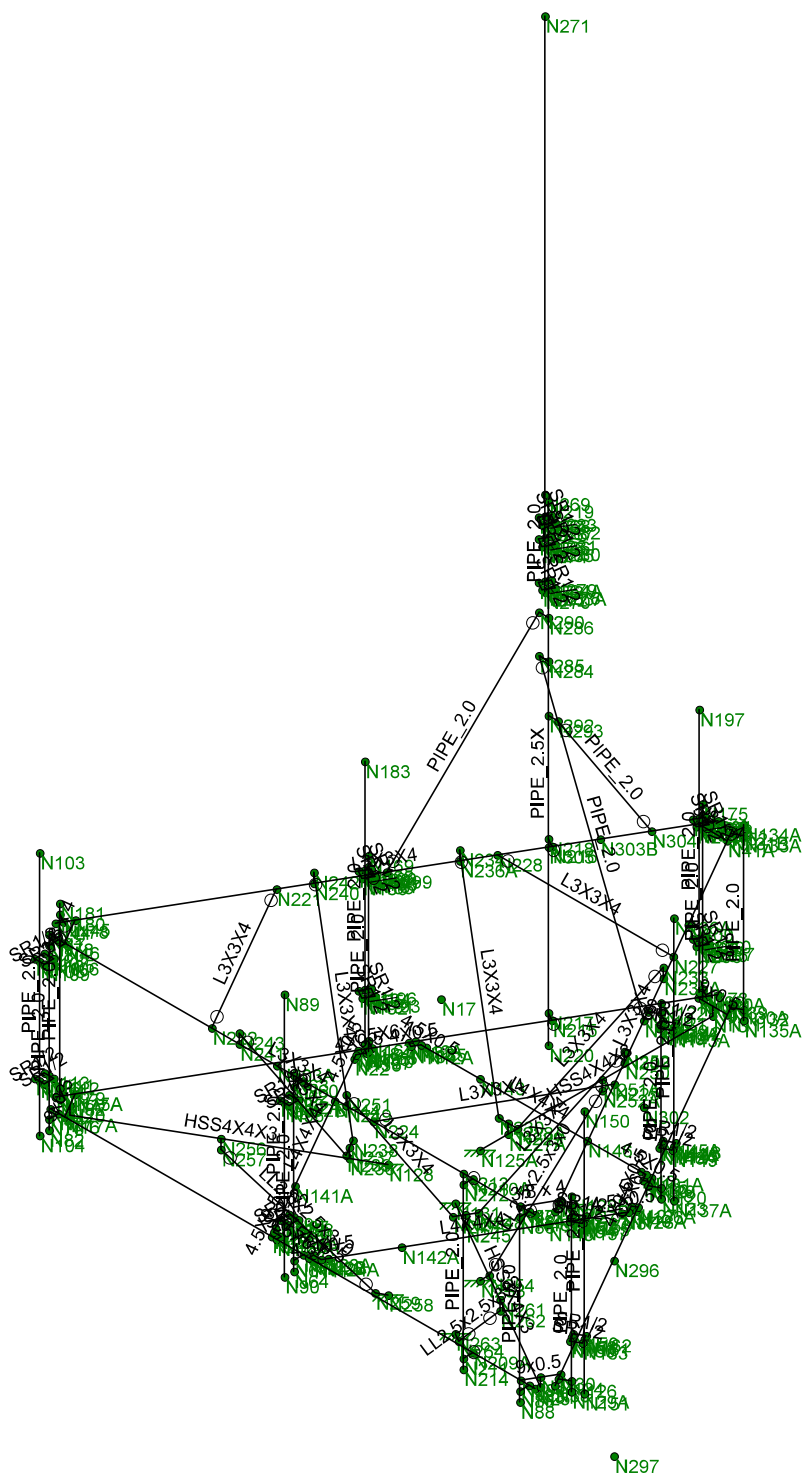
POD Group makes no warranties, expressed and/or implied, in connection with this report and disclaims any liability arising from material, fabrication, and erection of this structure. POD Group will not be responsible whatsoever, for or on account of, consequential or incidental damages sustained by any person, firm, or organization as a result of any data or conclusions contained in this report. The maximum liability of POD Group pursuant to this report will be limited to the total fee received for preparation of this report.

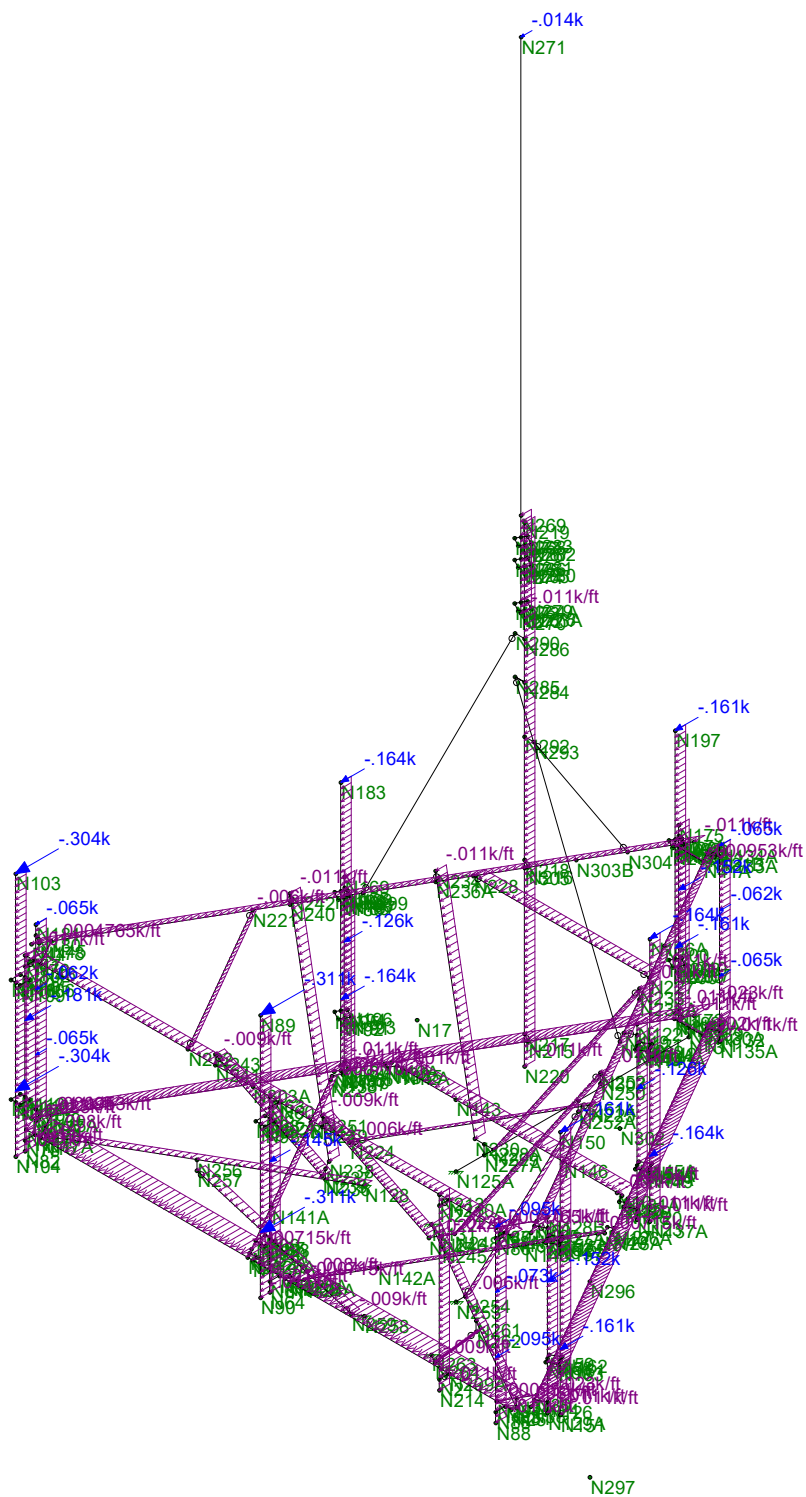
APPENDIX A

Wire Frame and Rendered Models









APPENDIX B

Software Input Calculations



POD Job # 20-67835
Site Number 841295
Site Name BETHANY

General Site Information

Mount Type	SFP	Risk Category	II	I (seismic)	1
V (Wind Speed)	125	I(ice)	1	Sms	0.302
Zs	748			Sms	0.151
ti	1	Ss	0.189	Sds	0.202
Vt	50	S1	0.063	Sd1	0.101
Kst	1	Soil Site Class	D (assumed)	Seismic Design Category	
Exposure	C	Fa	1.600		B
zg	900	Fv	2.400	Seismic Analysis Not Required	
ti	9.5			R	2 TIA-222-H 16.7
Kmin	0.85	Tower Type	Monopole	As	1 TIA-222-H 16.7
G _e	1	Tower Height	150	Cs, Min	0.03 TIA-222-H 2.7.7.1.1
Ke	0.97			Cs	0.1008 TIA-222-H 2.7.7.1.1
K _o	0.95				
K _p	0.9				

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity	MP #
DMP6SR-BUGD			149	4	60		C	1	6
OPA6SR-BUGD			149	4	60		C	1	3
800 10121			149	3	36		C	1	1
RRUS 4449 B5/B12			151	3			C	1	5
RRUS 4478 B14_CCV2			151	3			C	1	2
RRUS 8843 B2/B66A_CCV2			151	3			C	1	5
LGP21401			151	3			C	2	1
DC5-48-60-18-8C-EV			151	3			A	1	3
DC5-48-60-18-8F			151	3			B/C	1	2
DMP6SR-BUGD			149	4	60		A	1	6
OPA6SR-BUGD			149	4	60		A	1	4
800 10121			149	3	36		A	1	1
RRUS 4449 B5/B12			151	3			A	1	5
RRUS 4478 B14_CCV2			151	3			A	1	3
RRUS 8843 B2/B66A_CCV2			151	3			A	1	5
LGP21401			151	3			A	2	1
DMP6SR-BUGD			149	4	60		B	1	5
OPA6SR-BUGD			149	4	60		B	1	3
800 10121			149	3	36		B	1	1
RRUS 4449 B5/B12			151	3			B	1	4
RRUS 4478 B14_CCV2			151	3			B	1	2
RRUS 8843 B2/B66A_CCV2			151	3			B	1	4
LGP21401			151	3			B	2	1
DS1F03F36D-N			160	11			C	1	8

Mount Information

Elevation (ft)	148	Grating Thickness (in)	1
K _z	1.37	Grating Ice Weight (k/ft ²)	0.014
K _{iz}	1.16		
t _{iz}	1.16		

Length (ft)	Width (in)	Centerline
6	2.375	149

Round Members

Member	Length (ft)	Width (in)	Frame Member	# of Members
Tiebacks	9	2.375	No	3

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
Standoff	6	4	Square HSS		4	0.1875	4	No	3
Rail On	12.5	3	Angle		3	0.25		Yes	2
Rail Off	12.5	3	Angle		3	0.25		No	1
Plate	0.75	0.5	Channel		0	9	0.5	No	3
Tab	0.197	0.5	Channel		0	4	0.5	No	6
Face On	12.5	6	Channel		1.92	6	0.343	Yes	2
Face Off	12.5	6	Channel		1.92	6	0.343	No	1
Corner Plate	0.127	0.375	Channel		0	4	0.375	No	6
Connection	0.75	0.25	Channel		0	6	0.25	No	3
Corner	5.54	4	Angle		4	0.25		No	3
HSRK	4.8	3	Angle		3	0.25		No	6
Kicker	5	2.5	D. Angle		2.5	0.1875	0	No	3
Angle	4.6	3	Angle		3	0.25		No	3



Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft ²)	[EPA] _h (ft ²)	[EPA] _z (ft ²)	Front	Side	Wind Force (Kips)		
											Alpha	Beta	Gamma
DMP6SR-BUGD	71.2	20.7	7.7	89.3	1.38	50.91	11.93	4.48	0.607	0.228	0.512	0.512	0.228
OPA6SR-BUGD	71.2	21.0	7.8	63.5	1.38	50.91	12.22	4.54	0.622	0.231	0.524	0.524	0.231
800 10121	54.5	10.3	5.9	51.2	1.38	50.91	3.74	2.17	0.190	0.110	0.170	0.170	0.110
RRUS 4449 B5/B12	17.9	13.2	9.4	71.0	1.38	51.05	1.77	1.27	0.090	0.065	0.084	0.084	0.065
RRUS 4478 B14_CCV2	18.1	13.4	8.3	59.4	1.38	51.05	1.82	1.12	0.093	0.057	0.084	0.084	0.057
RRUS 8843 B2/B6GA_CCV2	18.0	13.2	11.3	75.0	1.38	51.05	1.78	1.53	0.091	0.078	0.088	0.088	0.078
LGP21401	14.2	6.7	5.4	22.0	1.38	51.05	0.71	0.58	0.036	0.030	0.035	0.035	0.030
DC6-48-60-18-8C-EV	31.4	10.2	10.2	26.2	1.38	51.05	1.03	1.14	0.053	0.058	0.054	0.054	0.058
DC6-48-60-18-8F	31.3	11.0	11.0	32.8	1.38	51.05	1.09	1.21	0.056	0.062	0.057	0.057	0.062
DMP6SR-BUGD	71.2	20.7	7.7	89.3	1.38	50.91	11.93	4.48	0.607	0.228	0.512	0.512	0.228
RRUS 4478 B14_CCV2	71.2	21.0	7.8	63.5	1.38	50.91	12.22	4.54	0.622	0.231	0.524	0.524	0.231
RRUS 8843 B2/B6GA_CCV2	54.5	10.3	5.9	51.2	1.38	50.91	3.74	2.17	0.190	0.110	0.170	0.170	0.110
LGP21401	17.9	13.2	9.4	71.0	1.38	51.05	1.77	1.27	0.090	0.065	0.084	0.084	0.065
DS1F03F36D-N	18.1	13.4	8.3	59.4	1.38	51.05	1.82	1.12	0.093	0.057	0.084	0.084	0.057

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft ²)	[EPA] _h (ft ²)	[EPA] _z (ft ²)	Front	Side	Wind Force (Kips)		
												Alpha	Beta	Gamma
DMP6SR-BUGD	1.16	73.53	23.03	10.03	182.26	1.16	8.15	12.34	5.41	0.100	0.044	0.086	0.086	0.044
OPA6SR-BUGD	1.16	73.53	23.33	10.13	184.81	1.16	8.15	12.61	5.48	0.103	0.045	0.088	0.088	0.045
800 10121	1.16	56.83	12.63	8.23	83.91	1.16	8.15	4.30	2.83	0.035	0.023	0.032	0.032	0.023
RRUS 4449 B5/B12	1.16	20.23	15.52	11.77	47.42	1.16	8.17	1.38	1.04	0.011	0.009	0.011	0.011	0.009
RRUS 4478 B14_CCV2	1.16	20.43	15.73	10.59	45.26	1.16	8.17	1.41	0.95	0.012	0.008	0.011	0.011	0.008
RRUS 8843 B2/B6GA_CCV2	1.16	20.33	15.53	13.63	52.33	1.16	8.17	1.38	1.21	0.011	0.010	0.011	0.011	0.010
LGP21401	1.16	16.53	9.03	7.73	20.69	1.16	8.17	0.66	0.56	0.005	0.005	0.005	0.005	0.005
DC6-48-60-18-8C-EV	1.16	33.73	12.57	12.57	65.86	1.16	8.17	1.86	1.86	0.015	0.015	0.015	0.015	0.015
DC6-48-60-18-8F	1.16	33.58	13.33	13.33	70.67	1.16	8.17	1.96	1.96	0.016	0.016	0.016	0.016	0.016
DMP6SR-BUGD	1.16	73.53	23.03	10.03	182.26	1.16	8.15	12.34	5.41	0.100	0.044	0.086	0.086	0.044
OPA6SR-BUGD	1.16	73.53	23.33	10.13	184.81	1.16	8.15	12.61	5.48	0.103	0.045	0.088	0.088	0.045
800 10121	1.16	56.83	12.63	8.23	83.91	1.16	8.15	4.30	2.83	0.035	0.023	0.032	0.032	0.023
RRUS 4449 B5/B12	1.16	20.23	15.52	11.77	47.42	1.16	8.17	1.38	1.04	0.011	0.009	0.011	0.011	0.009
RRUS 4478 B14_CCV2	1.16	20.43	15.73	10.59	45.26	1.16	8.17	1.41	0.95	0.012	0.008	0.011	0.011	0.008
RRUS 8843 B2/B6GA_CCV2	1.16	20.33	15.53	13.63	52.33	1.16	8.17	1.38	1.21	0.011	0.010	0.011	0.011	0.010
LGP21401	1.16	16.53	9.03	7.73	20.69	1.16	8.17	0.66	0.56	0.005	0.005	0.005	0.005	0.005
DMP6SR-BUGD	1.16	73.53	23.03	10.03	182.26	1.16	8.15	12.34	5.41	0.100	0.044	0.086	0.086	0.044
OPA6SR-BUGD	1.16	73.53	23.33	10.13	184.81	1.16	8.15	12.61	5.48	0.103	0.045	0.088	0.088	0.045
800 10121	1.16	56.83	12.63	8.23	83.91	1.16	8.15	4.30	2.83	0.035	0.023	0.032	0.032	0.023
RRUS 4449 B5/B12	1.16	20.23	15.52	11.77	47.42	1.16	8.17	1.38	1.04	0.011	0.009	0.011	0.011	0.009
RRUS 4478 B14_CCV2	1.16	20.43	15.73	10.59	45.26	1.16	8.17	1.41	0.95	0.012	0.008	0.011	0.011	0.008
RRUS 8843 B2/B6GA_CCV2	1.16	20.33	15.53	13.63	52.33	1.16	8.17	1.38	1.21	0.011	0.010	0.011	0.011	0.010
LGP21401	1.16	16.53	9.03	7.73	20.69	1.16	8.17	0.66	0.56	0.005	0.005	0.005	0.005	0.005
DS1F03F36D-N	1.17	24.63	5.33	5.33	16.13	1.17	8.27	0.61	0.61	0.005	0.005	0.005	0.005	0.005

Roof Members

Member	q _z (lb/ft ²)	Ar	C	Wind Calculations			EPA (ft ²)	Load (k/ft)	Ice Calculations					EPA (ft ²)	Load (k/ft)
				Rr	Cf				Width (in)	Weight (k/ft)	q _z (lb/ft ²)	Arice	Cf		
Tiebacks	50.84	5.34		28.27	0.62		1.20	1.20	0.003	4.70	0.01	8.13	10.57	1.20	2.65

Flat Members

Member	q _z (lb/ft ²)	Af	Cf	Wind Calculations			Load (k/ft)	Ice Calculations					EPA	Load (k/ft)
				EPA				Width (in)	Weight (k/ft)	q _z (lb/ft ²)	Arice	Rice	Cf	
Standoff	50.84	6.00		1.25	2.25	0.010		6.32	0.01	8.13	9.49	0.70	1.25	2.47
Rail On	50.84	6.25	2.00	5.63	0.023			5.32	0.01	8.13	11.09	0.70	2.00	6.94
Rail Off	50.84	3.13	2.00	5.63	0.011			5.32	0.01	8.13	5.55	0.70	2.00	6.94
Plate	50.84	0.09	2.00	0.06	0.002			2.82	0.01	8.13	0.53	0.70	2.00	0.22
Tab	50.84	0.05	2.00	0.01	0.002			2.82	0.01	8.13	0.28	0.70	2.00	0.06
Face On	50.84	12.50	2.00	11.25	0.046			8.32	0.01	8.13	17.34	0.70	2.00	10.85
Face Off	50.84	6.25	2.00	11.25	0.023			8.32	0.01	8.13	8.67	0.70	2.00	10.85
Corner Plate	50.84	0.02	2.00	0.01	0.001			2.70	0.01	8.13	0.17	0.70	2.00	0.04
Connection	50.84	0.05	2.00	0.03	0.001			2.57	0.01	8.13	0.48	0.70	2.00	0.20
Corner	50.84	5.54	2.00	3.32	0.015			6.32	0.01	8.13	8.76	0.70	2.00	3.65
HBRK	50.84	7.20	2.00	2.16	0.011			5.32	0.01	8.13	12.78	0.70	2.00	2.67
Kicker	50.84	3.13	2.00	1.88	0.010			4.82	0.01	8.13	6.03	0.70	2.00	2.52
Angle	50.84	3.45	2.00	2.07	0.011			5.32	0.01	8.13	6.12	0.70	2.00	2.55

Appurtenance Seismic Calculations

Model	Weight	Sds	p	Cs	As	Ev	Eh	
DMP6SR-BUGD	89.3	0.202		1.000	0.101	1.000	0.004	0.009
OPA6SR-BUGD	63.5	0.202		1.000	0.101	1.000	0.003	0.006
800 10121	51.2	0.202		1.000	0.101	1.000	0.002	0.005
RRUS 4449 B5/B12	71.0	0.202		1.000	0.101	1.000	0.003	0.007
RRUS 4478 B14_CCV2	59.4	0.202		1.000	0.101	1.000	0.002	0.006
RRUS 8843 B2/B6GA_CCV2	75.0	0.202		1.000	0.101	1.000	0.003	0.008
LGP21401	22.0	0.202		1.000	0.101	1.000	0.001	0.002
DC6-48-60-18-8C-EV	26.2	0.202		1.000	0.101	1.000	0.001	0.003
DC6-48-60-18-8F	32.8	0.202		1.000	0.101	1.000	0.001	0.003
DMP6SR-BUGD	89.3	0.202		1.000	0.101	1.000	0.004	0.009
OPA6SR-BUGD	63.5	0.202		1.000	0.101	1.000	0.003	0.006
800 10121	51.2	0.202		1.000	0.101	1.000	0.002	0.005
RRUS 4449 B5/B12	71.0	0.202		1.000	0.101	1.000	0.003	0.007
RRUS 4478 B14_CCV2	59.4	0.202		1.000	0.101	1.000	0.002	0.006
RRUS 8843 B2/B6GA_CCV2	75.0	0.202		1.000	0.101	1.000	0.003	0.008
LGP21401	22.0	0.202		1.000	0.101	1.000	0.001	0.002
DMP6SR-BUGD	89.3	0.202		1.000	0.101	1.000	0.004	0.009
OPA6SR-BUGD	63.5	0.202		1.000	0.101	1.000	0.003	0.006
800 10121	51.2	0.202		1.000	0.101	1.000	0.002	0.005
RRUS 4449 B5/B12	71.0	0.202		1.000	0.101	1.000	0.003	0.007
RRUS 4478 B14_CCV2	59.4	0.202		1.000	0.101	1.000	0.002	0.006
RRUS 8843 B2/B6GA_CCV2	75.0	0.202		1.000	0.101	1.000	0.003	0.008
LGP21401	22.0	0.202		1.000	0.101	1.000	0.001	0.002
DS1F03F36D-N	63.0	0.202		1.000	0.101	1.000	0.003	0.006

APPENDIX C

Software Analysis Output

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[...]	Lcomp bot[...]	L-torq...	Kyy	Kzz	Cb	Functi...
1	ANGLE1	L3X3X4	4.679			Lbyy						Lateral
2	ANGLE2	L3X3X4	4.679			Lbyy						Lateral
3	ANGLE3	L3X3X4	4.679			Lbyy						Lateral
4	CONNECTION1	3/8 x 4	.773			Lbyy						Lateral
5	CONNECTION2	3/8 x 4	.773			Lbyy						Lateral
6	CONNECTION3	3/8 x 4	.773			Lbyy						Lateral
7	CORNER1	L4X4X4	5.708	2.77		Lbyy						Lateral
8	CORNER2	L4X4X4	5.708	2.77		Lbyy						Lateral
9	CORNER3	L4X4X4	5.708	2.77		Lbyy						Lateral
10	CRPLATE1	4.5X0.5	.131			Lbyy						Lateral
11	CRPLATE2	4.5X0.5	.131			Lbyy						Lateral
12	CRPLATE3	4.5X0.5	.131			Lbyy						Lateral
13	CRPLATE4	4.5X0.5	.131			Lbyy						Lateral
14	CRPLATE5	4.5X0.5	.131			Lbyy						Lateral
15	CRPLATE6	4.5X0.5	.131			Lbyy						Lateral
16	FACE1	C5X6.7	12.879		5.33	Lbyy						Lateral
17	FACE2	C5X6.7	12.879		5.33	Lbyy						Lateral
18	FACE3	C5X6.7	12.879		5.33	Lbyy						Lateral
19	HSRK1	L3X3X4	5.087			Lbyy						Lateral
20	HSRK2	L3X3X4	5.087			Lbyy						Lateral
21	HSRK3	L3X3X4	5.087			Lbyy						Lateral
22	HSRK4	L3X3X4	5.087			Lbyy						Lateral
23	HSRK5	L3X3X4	5.087			Lbyy						Lateral
24	HSRK6	L3X3X4	5.087			Lbyy						Lateral
25	KICKER1	LL2.5x2.5x...	4.07			Lbyy						Lateral
26	KICKER2	LL2.5x2.5x...	4.07			Lbyy						Lateral
27	KICKER3	LL2.5x2.5x...	4.07			Lbyy						Lateral
28	MP ALPHA1	PIPE 2.0	4.5			Lbyy						Lateral
29	MP ALPHA2	PIPE 2.0	4.5			Lbyy						Lateral
30	MP ALPHA3	PIPE 2.0	4.5			Lbyy						Lateral
31	MP ALPHA4	PIPE 2.0	6.5			Lbyy						Lateral
32	MP ALPHA5	PIPE 2.0	4.5			Lbyy						Lateral
33	MP ALPHA6	PIPE 2.0	6.5			Lbyy						Lateral
34	MP ALPHA7	PIPE 2.0	2.25			Lbyy						Lateral
35	MP BETA1	PIPE 2.0	4.5			Lbyy						Lateral
36	MP BETA2	PIPE 2.0	4.5			Lbyy						Lateral
37	MP BETA3	PIPE 2.0	6.5			Lbyy						Lateral
38	MP BETA4	PIPE 2.0	4.5			Lbyy						Lateral
39	MP BETA5	PIPE 2.0	6.5			Lbyy						Lateral
40	MP GAMMA1	PIPE 2.0	4.5			Lbyy						Lateral
41	MP GAMMA2	PIPE 2.0	4.5			Lbyy						Lateral
42	MP GAMMA3	PIPE 2.0	6.5			Lbyy						Lateral
43	MP GAMMA4	PIPE 2.5X	12.5			Lbyy						Lateral
44	MP GAMMA5	PIPE 2.0	4.5			Lbyy						Lateral
45	MP GAMMA6	PIPE 2.0	6.5			Lbyy						Lateral
46	PLATE1	9x0.5	.773			Lbyy						Lateral
47	PLATE2	9x0.5	.773			Lbyy						Lateral
48	PLATE3	9x0.5	.773			Lbyy						Lateral
49	RAIL1	L3X3X4	12.879			Lbyy						Lateral
50	RAIL2	L3X3X4	12.879			Lbyy						Lateral
51	RAIL3	L3X3X4	12.879			Lbyy						Lateral
52	SO1A	HSS4X4X3	6.182			Lbyy						Lateral
53	SO2A	HSS4X4X3	6.182			Lbyy						Lateral
54	SO3A	HSS4X4X3	6.182			Lbyy						Lateral
55	SR1	SR1/2	.25			Lbyy						Lateral
56	SR2	SR1/2	.25			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[...]	Lcomp bot[...]	L-torq...	Kyy	Kzz	Cb	Funci...
57	SR3	SR1/2	.25			Lbyy						Lateral
58	SR4	SR1/2	.25			Lbyy						Lateral
59	SR5	SR1/2	.25			Lbyy						Lateral
60	SR6	SR1/2	.25			Lbyy						Lateral
61	SR7	SR1/2	.25			Lbyy						Lateral
62	SR8	SR1/2	.25			Lbyy						Lateral
63	SR9	SR1/2	.25			Lbyy						Lateral
64	SR10	SR1/2	.25			Lbyy						Lateral
65	SR11	SR1/2	.25			Lbyy						Lateral
66	SR12	SR1/2	.25			Lbyy						Lateral
67	SR13	SR1/2	.25			Lbyy						Lateral
68	SR14	SR1/2	.25			Lbyy						Lateral
69	SR15	SR1/2	.25			Lbyy						Lateral
70	SR16	SR1/2	.25			Lbyy						Lateral
71	SR17	SR1/2	.25			Lbyy						Lateral
72	SR18	SR1/2	.25			Lbyy						Lateral
73	SR19	SR1/2	.25			Lbyy						Lateral
74	SR20	SR1/2	.25			Lbyy						Lateral
75	SR21	SR1/2	.25			Lbyy						Lateral
76	SR22	SR1/2	.25			Lbyy						Lateral
77	SR23	SR1/2	.25			Lbyy						Lateral
78	SR24	SR1/2	.25			Lbyy						Lateral
79	SR25	SR1/2	.258			Lbyy						Lateral
80	SR26	SR1/2	.258			Lbyy						Lateral
81	SR27	SR1/2	.258			Lbyy						Lateral
82	SR28	SR1/2	.258			Lbyy						Lateral
83	SR29	SR1/2	.258			Lbyy						Lateral
84	SR30	SR1/2	.258			Lbyy						Lateral
85	Tab1	4X0.5	.203			Lbyy						Lateral
86	Tab2	4X0.5	.203			Lbyy						Lateral
87	Tab3	4X0.5	.203			Lbyy						Lateral
88	Tab4	4X0.5	.203			Lbyy						Lateral
89	Tab5	4X0.5	.203			Lbyy						Lateral
90	Tab6	4X0.5	.203			Lbyy						Lateral
91	Tieback1	PIPE 2.0	10.115			Lbyy						Lateral
92	Tieback2	PIPE 2.0	4.466			Lbyy						Lateral
93	Tieback3	PIPE 2.0	5.966			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design List	Material	Design ...
1	1	N61	N59			RIGID	None	None	RIGID	Typical
2	2	N13	N92			RIGID	None	None	RIGID	Typical
3	3	N62	N60			RIGID	None	None	RIGID	Typical
4	4	N17A	N20			RIGID	None	None	RIGID	Typical
5	5	N31	N34			RIGID	None	None	RIGID	Typical
6	6	N79	N77			RIGID	None	None	RIGID	Typical
7	7	N80	N78			RIGID	None	None	RIGID	Typical
8	8	N85	N83			RIGID	None	None	RIGID	Typical
9	9	N86	N84			RIGID	None	None	RIGID	Typical
10	10	N93	N92A			RIGID	None	None	RIGID	Typical
11	11	N92A	N92B			RIGID	None	None	RIGID	Typical
12	12	N95	N94			RIGID	None	None	RIGID	Typical
13	13	N94	N96			RIGID	None	None	RIGID	Typical
14	14	N99	N97			RIGID	None	None	RIGID	Typical
15	15	N97	N98			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design List	Material	Design ...
16	16	N101	N100			RIGID	None	None	RIGID	Typical
17	17	N100	N102			RIGID	None	None	RIGID	Typical
18	18	N107	N105			RIGID	None	None	RIGID	Typical
19	19	N105	N106			RIGID	None	None	RIGID	Typical
20	20	N109	N108			RIGID	None	None	RIGID	Typical
21	21	N108	N110			RIGID	None	None	RIGID	Typical
22	22	N113	N111			RIGID	None	None	RIGID	Typical
23	23	N111	N112			RIGID	None	None	RIGID	Typical
24	24	N115	N114			RIGID	None	None	RIGID	Typical
25	25	N114	N116			RIGID	None	None	RIGID	Typical
26	26	N120	N118			RIGID	None	None	RIGID	Typical
27	27	N121	N119			RIGID	None	None	RIGID	Typical
28	28	N126	N124			RIGID	None	None	RIGID	Typical
29	29	N127A	N125			RIGID	None	None	RIGID	Typical
30	30	N132	N130A			RIGID	None	None	RIGID	Typical
31	31	N133A	N131B			RIGID	None	None	RIGID	Typical
32	32	N140	N138A			RIGID	None	None	RIGID	Typical
33	33	N138A	N139			RIGID	None	None	RIGID	Typical
34	34	N142	N141			RIGID	None	None	RIGID	Typical
35	35	N141	N143A			RIGID	None	None	RIGID	Typical
36	36	N146A	N144A			RIGID	None	None	RIGID	Typical
37	37	N144A	N145A			RIGID	None	None	RIGID	Typical
38	38	N148	N147			RIGID	None	None	RIGID	Typical
39	39	N147	N149			RIGID	None	None	RIGID	Typical
40	40	N154	N152			RIGID	None	None	RIGID	Typical
41	41	N152	N153			RIGID	None	None	RIGID	Typical
42	42	N156	N155			RIGID	None	None	RIGID	Typical
43	43	N155	N157			RIGID	None	None	RIGID	Typical
44	44	N160	N158			RIGID	None	None	RIGID	Typical
45	45	N158	N159			RIGID	None	None	RIGID	Typical
46	46	N162	N161			RIGID	None	None	RIGID	Typical
47	47	N161	N163			RIGID	None	None	RIGID	Typical
48	48	N167	N165			RIGID	None	None	RIGID	Typical
49	49	N168	N166			RIGID	None	None	RIGID	Typical
50	50	N173	N171			RIGID	None	None	RIGID	Typical
51	51	N174	N172			RIGID	None	None	RIGID	Typical
52	52	N179	N177			RIGID	None	None	RIGID	Typical
53	53	N180	N178			RIGID	None	None	RIGID	Typical
54	54	N187	N185			RIGID	None	None	RIGID	Typical
55	55	N185	N186			RIGID	None	None	RIGID	Typical
56	56	N189	N188			RIGID	None	None	RIGID	Typical
57	57	N188	N190			RIGID	None	None	RIGID	Typical
58	58	N193	N191			RIGID	None	None	RIGID	Typical
59	59	N191	N192			RIGID	None	None	RIGID	Typical
60	60	N195	N194			RIGID	None	None	RIGID	Typical
61	61	N194	N196			RIGID	None	None	RIGID	Typical
62	62	N201	N199			RIGID	None	None	RIGID	Typical
63	63	N199	N200			RIGID	None	None	RIGID	Typical
64	64	N203	N202			RIGID	None	None	RIGID	Typical
65	65	N202	N204			RIGID	None	None	RIGID	Typical
66	66	N207	N205			RIGID	None	None	RIGID	Typical
67	67	N205	N206			RIGID	None	None	RIGID	Typical
68	68	N209	N208			RIGID	None	None	RIGID	Typical
69	69	N208	N210			RIGID	None	None	RIGID	Typical
70	70	N211	N209A			RIGID	None	None	RIGID	Typical
71	71	N212	N210A			RIGID	None	None	RIGID	Typical
72	72	N217	N215			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design List	Material	Design ...
73	73	N218	N216			RIGID	None	None	RIGID	Typical
74	74	N227A	N228A			RIGID	None	None	RIGID	Typical
75	75	N228A	N229			RIGID	None	None	RIGID	Typical
76	76	N228A	N230			RIGID	None	None	RIGID	Typical
77	77	N236A	N234			RIGID	None	None	RIGID	Typical
78	78	N235A	N233			RIGID	None	None	RIGID	Typical
79	79	N236	N237			RIGID	None	None	RIGID	Typical
80	80	N237	N238			RIGID	None	None	RIGID	Typical
81	81	N237	N239			RIGID	None	None	RIGID	Typical
82	82	N241	N243			RIGID	None	None	RIGID	Typical
83	83	N240	N242			RIGID	None	None	RIGID	Typical
84	84	N245	N246			RIGID	None	None	RIGID	Typical
85	85	N246	N247			RIGID	None	None	RIGID	Typical
86	86	N246	N248			RIGID	None	None	RIGID	Typical
87	87	N250	N252			RIGID	None	None	RIGID	Typical
88	88	N249	N251			RIGID	None	None	RIGID	Typical
89	89	N251A	N252A			RIGID	None	None	RIGID	Typical
90	90	N253	N254			RIGID	None	None	RIGID	Typical
91	91	N256	N257			RIGID	None	None	RIGID	Typical
92	92	N258	N259			RIGID	None	None	RIGID	Typical
93	93	N261	N262			RIGID	None	None	RIGID	Typical
94	94	N263	N264			RIGID	None	None	RIGID	Typical
95	95	N119A	N120A			RIGID	None	None	RIGID	Typical
96	96	N122B	N123A			RIGID	None	None	RIGID	Typical
97	97	N126A	N127			RIGID	None	None	RIGID	Typical
98	98	N129	N130			RIGID	None	None	RIGID	Typical
99	99	N133	N134			RIGID	None	None	RIGID	Typical
100	100	N136	N137			RIGID	None	None	RIGID	Typical
101	101	N282	N267			RIGID	None	None	RIGID	Typical
102	102	N267	N276			RIGID	None	None	RIGID	Typical
103	103	N283	N268			RIGID	None	None	RIGID	Typical
104	104	N268	N277			RIGID	None	None	RIGID	Typical
105	105	N281	N266			RIGID	None	None	RIGID	Typical
106	106	N280	N265			RIGID	None	None	RIGID	Typical
107	107	N265	N274			RIGID	None	None	RIGID	Typical
108	108	N279	N273			RIGID	None	None	RIGID	Typical
109	109	N278	N263A			RIGID	None	None	RIGID	Typical
110	110	N263A	N272			RIGID	None	None	RIGID	Typical
111	111	N266	N275			RIGID	None	None	RIGID	Typical
112	112	N284	N285			RIGID	None	None	RIGID	Typical
113	113	N285	N284			RIGID	None	None	RIGID	Typical
114	114	N290	N286			RIGID	None	None	RIGID	Typical
115	115	N292	N293			RIGID	None	None	RIGID	Typical
116	ANGLE1	N224	N225			L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
117	ANGLE2	N221	N222			L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
118	ANGLE3	N227	N228		180	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
119	CONNECTION1	N45	N46			3/8 x 4	Beam	RECT	A36 Gr.36	Typical
120	CONNECTION2	N49	N50			3/8 x 4	Beam	RECT	A36 Gr.36	Typical
121	CONNECTION3	N41A	N42			3/8 x 4	Beam	RECT	A36 Gr.36	Typical
122	CORNER1	N22	N23		270	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical
123	CORNER2	N36	N37		270	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical
124	CORNER3	N10	N12A		90	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical
125	CRPLATE1	N22	N138		90	4.5X0.5	Beam	RECT	A36 Gr.36	Typical
126	CRPLATE2	N23	N122A		90	4.5X0.5	Beam	RECT	A36 Gr.36	Typical
127	CRPLATE3	N36	N124A		90	4.5X0.5	Beam	RECT	A36 Gr.36	Typical
128	CRPLATE4	N37	N128A		90	4.5X0.5	Beam	RECT	A36 Gr.36	Typical
129	CRPLATE5	N10	N131A		90	4.5X0.5	Beam	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design List	Material	Design ...
130	CRPLATE6	N12A	N135		90	4.5X0.5	Beam	RECT	A36 Gr.36	Typical
131	FACE1	N24	N25		270	C5X6.7	Beam	Channel	A36 Gr.36	Typical
132	FACE2	N10A	N11A		90	C5X6.7	Beam	Channel	A36 Gr.36	Typical
133	FACE3	N38	N39		90	C5X6.7	Beam	Channel	A36 Gr.36	Typical
134	HSRK1	N252	N248		90	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
135	HSRK2	N251	N247		90	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
136	HSRK3	N243	N239		180	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
137	HSRK4	N242	N238		210	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
138	HSRK5	N234	N230		300	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
139	HSRK6	N233	N229		330	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
140	KICKER1	N264	N262		60	LL2.5x2.5x3x0	Beam	Double Angle (No ...	A36 Gr.36	Typical
141	KICKER2	N259	N257		300	LL2.5x2.5x3x0	Beam	Double Angle (No ...	A36 Gr.36	Typical
142	KICKER3	N254	N252A		180	LL2.5x2.5x3x0	Beam	Double Angle (No ...	A36 Gr.36	Typical
143	MP ALPHA1	N88	N87			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
144	MP ALPHA2	N214	N213			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
145	MP ALPHA3	N64	N63			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
146	MP ALPHA4	N90	N89			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
147	MP ALPHA5	N82	N81			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
148	MP ALPHA6	N104	N103			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
149	MP ALPHA7	N270	N269			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
150	MP BETA1	N182	N181			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
151	MP BETA2	N170	N169			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
152	MP BETA3	N184	N183			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
153	MP BETA4	N176	N175			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
154	MP BETA5	N198	N197			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
155	MP GAMMA1	N135A	N134A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
156	MP GAMMA2	N123	N122			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
157	MP GAMMA3	N137A	N136A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
158	MP GAMMA4	N220	N219			PIPE 2.5X	Beam	Pipe	A53 Gr.B	Typical
159	MP GAMMA5	N129A	N128B			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
160	MP GAMMA6	N151	N150			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
161	MP GAMMA8	N269	N271			RIGID	None	None	RIGID	Typical
162	PLATE1	N15A	N16			9x0.5	Beam	RECT	A36 Gr.36	Typical
163	PLATE2	N29	N30			9x0.5	Beam	RECT	A36 Gr.36	Typical
164	PLATE3	N11	N12			9x0.5	Beam	RECT	A36 Gr.36	Typical
165	RAIL1	N47	N48		270	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
166	RAIL2	N43	N44		90	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
167	RAIL3	N51	N52		90	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical
168	SO1A	N17A	N128			HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical
169	SO2A	N31	N131			HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical
170	SO3A	N13	N125A			HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical
171	SR1	N92B	N95			SR1/2	Beam	BAR	A36 Gr.36	Typical
172	SR2	N93	N96			SR1/2	Beam	BAR	A36 Gr.36	Typical
173	SR3	N98	N101			SR1/2	Beam	BAR	A36 Gr.36	Typical
174	SR4	N99	N102			SR1/2	Beam	BAR	A36 Gr.36	Typical
175	SR5	N106	N109			SR1/2	Beam	BAR	A36 Gr.36	Typical
176	SR6	N107	N110			SR1/2	Beam	BAR	A36 Gr.36	Typical
177	SR7	N112	N115			SR1/2	Beam	BAR	A36 Gr.36	Typical
178	SR8	N113	N116			SR1/2	Beam	BAR	A36 Gr.36	Typical
179	SR9	N139	N142			SR1/2	Beam	BAR	A36 Gr.36	Typical
180	SR10	N140	N143A			SR1/2	Beam	BAR	A36 Gr.36	Typical
181	SR11	N145A	N148			SR1/2	Beam	BAR	A36 Gr.36	Typical
182	SR12	N146A	N149			SR1/2	Beam	BAR	A36 Gr.36	Typical
183	SR13	N153	N156			SR1/2	Beam	BAR	A36 Gr.36	Typical
184	SR14	N154	N157			SR1/2	Beam	BAR	A36 Gr.36	Typical
185	SR15	N159	N162			SR1/2	Beam	BAR	A36 Gr.36	Typical
186	SR16	N160	N163			SR1/2	Beam	BAR	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design List	Material	Design ...
187	SR17	N186	N189			SR1/2	Beam	BAR	A36 Gr.36	Typical
188	SR18	N187	N190			SR1/2	Beam	BAR	A36 Gr.36	Typical
189	SR19	N192	N195			SR1/2	Beam	BAR	A36 Gr.36	Typical
190	SR20	N193	N196			SR1/2	Beam	BAR	A36 Gr.36	Typical
191	SR21	N200	N203			SR1/2	Beam	BAR	A36 Gr.36	Typical
192	SR22	N201	N204			SR1/2	Beam	BAR	A36 Gr.36	Typical
193	SR23	N206	N209			SR1/2	Beam	BAR	A36 Gr.36	Typical
194	SR24	N207	N210			SR1/2	Beam	BAR	A36 Gr.36	Typical
195	SR25	N272	N273			SR1/2	Beam	BAR	A36 Gr.36	Typical
196	SR26	N278	N279			SR1/2	Beam	BAR	A36 Gr.36	Typical
197	SR27	N274	N275			SR1/2	Beam	BAR	A36 Gr.36	Typical
198	SR28	N280	N281			SR1/2	Beam	BAR	A36 Gr.36	Typical
199	SR29	N276	N277			SR1/2	Beam	BAR	A36 Gr.36	Typical
200	SR30	N282	N283			SR1/2	Beam	BAR	A36 Gr.36	Typical
201	Tab1	N138	N137		90	4X0.5	Beam	RECT	A36 Gr.36	Typical
202	Tab2	N135	N134		90	4X0.5	Beam	RECT	A36 Gr.36	Typical
203	Tab3	N131A	N130		90	4X0.5	Beam	RECT	A36 Gr.36	Typical
204	Tab4	N128A	N127		90	4X0.5	Beam	RECT	A36 Gr.36	Typical
205	Tab5	N124A	N123A		90	4X0.5	Beam	RECT	A36 Gr.36	Typical
206	Tab6	N122A	N120A		90	4X0.5	Beam	RECT	A36 Gr.36	Typical
207	Tieback1	N285	N303A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
208	Tieback2	N293	N304			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
209	Tieback3	N290	N299			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis ...	Inactive	Seismic...
1	1						Yes	** NA **			None
2	2						Yes	** NA **			None
3	3	OOOXOO					Yes	** NA **			None
4	4						Yes	** NA **			None
5	5						Yes	** NA **			None
6	6						Yes	** NA **			None
7	7	OOOXOO					Yes	** NA **			None
8	8						Yes	** NA **			None
9	9	OOOXOO					Yes	** NA **			None
10	10						Yes	** NA **			None
11	11						Yes	** NA **			None
12	12						Yes	** NA **			None
13	13						Yes	** NA **			None
14	14						Yes	** NA **			None
15	15						Yes	** NA **			None
16	16						Yes	** NA **			None
17	17						Yes	** NA **			None
18	18						Yes	** NA **			None
19	19						Yes	** NA **			None
20	20						Yes	** NA **			None
21	21						Yes	** NA **			None
22	22						Yes	** NA **			None
23	23						Yes	** NA **			None
24	24						Yes	** NA **			None
25	25						Yes	** NA **			None
26	26						Yes	** NA **			None
27	27	OOOXOO					Yes	** NA **			None
28	28						Yes	** NA **			None
29	29	OOOXOO					Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis ...	Inactive	Seismic...
30	30						Yes	** NA **			None
31	31	OOOXOO					Yes	** NA **			None
32	32						Yes	** NA **			None
33	33						Yes	** NA **			None
34	34						Yes	** NA **			None
35	35						Yes	** NA **			None
36	36						Yes	** NA **			None
37	37						Yes	** NA **			None
38	38						Yes	** NA **			None
39	39						Yes	** NA **			None
40	40						Yes	** NA **			None
41	41						Yes	** NA **			None
42	42						Yes	** NA **			None
43	43						Yes	** NA **			None
44	44						Yes	** NA **			None
45	45						Yes	** NA **			None
46	46						Yes	** NA **			None
47	47						Yes	** NA **			None
48	48						Yes	** NA **			None
49	49	OOOXOO					Yes	** NA **			None
50	50						Yes	** NA **			None
51	51	OOOXOO					Yes	** NA **			None
52	52						Yes	** NA **			None
53	53	OOOXOO					Yes	** NA **			None
54	54						Yes	** NA **			None
55	55						Yes	** NA **			None
56	56						Yes	** NA **			None
57	57						Yes	** NA **			None
58	58						Yes	** NA **			None
59	59						Yes	** NA **			None
60	60						Yes	** NA **			None
61	61						Yes	** NA **			None
62	62						Yes	** NA **			None
63	63						Yes	** NA **			None
64	64						Yes	** NA **			None
65	65						Yes	** NA **			None
66	66						Yes	** NA **			None
67	67						Yes	** NA **			None
68	68						Yes	** NA **			None
69	69						Yes	** NA **			None
70	70	OOOXOO					Yes	** NA **			None
71	71	OOOXOO					Yes	** NA **			None
72	72	OOOXOO					Yes	** NA **			None
73	73	OOOXOO					Yes	** NA **			None
74	74						Yes	** NA **			None
75	75						Yes	** NA **			None
76	76						Yes	** NA **			None
77	77						Yes	** NA **			None
78	78						Yes	** NA **			None
79	79						Yes	** NA **			None
80	80						Yes	** NA **			None
81	81						Yes	** NA **			None
82	82						Yes	** NA **			None
83	83						Yes	** NA **			None
84	84						Yes	** NA **			None
85	85						Yes	** NA **			None
86	86						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis ...	Inactive	Seismic...
87	87						Yes	** NA **			None
88	88						Yes	** NA **			None
89	89						Yes	** NA **			None
90	90						Yes	** NA **			None
91	91						Yes	** NA **			None
92	92						Yes	** NA **			None
93	93						Yes	** NA **			None
94	94						Yes	** NA **			None
95	95						Yes	** NA **			None
96	96						Yes	** NA **			None
97	97						Yes	** NA **			None
98	98						Yes	** NA **			None
99	99						Yes	** NA **			None
100	100						Yes	** NA **			None
101	101						Yes	** NA **			None
102	102						Yes	** NA **			None
103	103						Yes	** NA **			None
104	104						Yes	** NA **			None
105	105						Yes	** NA **			None
106	106						Yes	** NA **			None
107	107						Yes	** NA **			None
108	108						Yes	** NA **			None
109	109						Yes	** NA **			None
110	110						Yes	** NA **			None
111	111						Yes	** NA **			None
112	112						Yes	** NA **			None
113	113						Yes	** NA **			None
114	114						Yes	** NA **			None
115	115						Yes	** NA **			None
116	ANGLE1	00000X	00000X				Yes	Default			None
117	ANGLE2	00000X	00000X				Yes	Default			None
118	ANGLE3	00000X	00000X				Yes	Default			None
119	CONNECTION1						Yes				None
120	CONNECTION2						Yes				None
121	CONNECTION3						Yes	Default			None
122	CORNER1						Yes				None
123	CORNER2						Yes				None
124	CORNER3						Yes				None
125	CRPLATE1						Yes				None
126	CRPLATE2						Yes				None
127	CRPLATE3						Yes	Default			None
128	CRPLATE4						Yes				None
129	CRPLATE5						Yes				None
130	CRPLATE6						Yes				None
131	FACE1						Yes				None
132	FACE2						Yes				None
133	FACE3						Yes				None
134	HSRK1	00000X					Yes	Default			None
135	HSRK2	0000X0					Yes	Default			None
136	HSRK3	00000X					Yes	Default			None
137	HSRK4	0000X0					Yes	Default			None
138	HSRK5	00000X					Yes	Default			None
139	HSRK6	0000X0					Yes	Default			None
140	KICKER1	00000X	00000X				Yes	Default			None
141	KICKER2	00000X	00000X				Yes	Default			None
142	KICKER3	00000X	00000X				Yes	Default			None
143	MP ALPHA1						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis ...	Inactive	Seismic...
144	MP ALPHA2						Yes				None
145	MP ALPHA3						Yes				None
146	MP ALPHA4						Yes				None
147	MP ALPHA5						Yes				None
148	MP ALPHA6						Yes				None
149	MP ALPHA7						Yes	Default			None
150	MP BETA1						Yes				None
151	MP BETA2						Yes				None
152	MP BETA3						Yes				None
153	MP BETA4						Yes				None
154	MP BETA5						Yes				None
155	MP GAMMA1						Yes				None
156	MP GAMMA2						Yes				None
157	MP GAMMA3						Yes				None
158	MP GAMMA4						Yes	Default			None
159	MP GAMMA5						Yes				None
160	MP GAMMA6						Yes				None
161	MP GAMMA8						Yes	** NA **			None
162	PLATE1						Yes				None
163	PLATE2						Yes				None
164	PLATE3						Yes				None
165	RAIL1						Yes	Default			None
166	RAIL2						Yes				None
167	RAIL3						Yes				None
168	SO1A						Yes				None
169	SO2A						Yes				None
170	SO3A						Yes				None
171	SR1						Yes				None
172	SR2						Yes				None
173	SR3						Yes				None
174	SR4						Yes				None
175	SR5						Yes				None
176	SR6						Yes				None
177	SR7						Yes				None
178	SR8						Yes				None
179	SR9						Yes				None
180	SR10						Yes				None
181	SR11						Yes				None
182	SR12						Yes				None
183	SR13						Yes				None
184	SR14						Yes				None
185	SR15						Yes				None
186	SR16						Yes				None
187	SR17						Yes				None
188	SR18						Yes				None
189	SR19						Yes				None
190	SR20						Yes				None
191	SR21						Yes				None
192	SR22						Yes				None
193	SR23						Yes				None
194	SR24						Yes				None
195	SR25						Yes				None
196	SR26						Yes				None
197	SR27						Yes				None
198	SR28						Yes				None
199	SR29						Yes				None
200	SR30						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis ...	Inactive	Seismic...
201	Tab1						Yes	Default			None
202	Tab2						Yes	Default			None
203	Tab3						Yes	Default			None
204	Tab4						Yes	Default			None
205	Tab5						Yes	Default			None
206	Tab6						Yes	Default			None
207	Tieback1	BenPIN	BenPIN				Yes	Default			None
208	Tieback2	BenPIN	BenPIN				Yes	Default			None
209	Tieback3	BenPIN	BenPIN				Yes	Default			None

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (1E5 ...	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	Z	-.5	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP GAMMA6	Y	-.161	6.5
2	MP GAMMA6	Y	-.161	1.5
3	MP GAMMA3	Y	-.164	6.5
4	MP GAMMA3	Y	-.164	1.5
5	MP GAMMA1	Y	-.065	4.5
6	MP GAMMA1	Y	-.065	1.5
7	MP GAMMA5	Y	-.071	3
8	MP GAMMA2	Y	-.066	3
9	MP GAMMA5	Y	-.081	3
10	MP GAMMA1	Y	-.062	3
11	MP ALPHA3	Y	-.053	3
12	MP BETA2	Y	-.06	3
13	MP GAMMA2	Y	-.06	3
14	MP ALPHA6	Y	-.304	6.5
15	MP ALPHA6	Y	-.304	1.5
16	MP ALPHA4	Y	-.311	6.5
17	MP ALPHA4	Y	-.311	1.5
18	MP ALPHA1	Y	-.095	4.5
19	MP ALPHA1	Y	-.095	1.5
20	MP ALPHA5	Y	-.09	3
21	MP ALPHA3	Y	-.093	3
22	MP ALPHA5	Y	-.091	3
23	MP ALPHA1	Y	-.073	3
24	MP BETA5	Y	-.161	6.5
25	MP BETA5	Y	-.161	1.5
26	MP BETA3	Y	-.164	6.5
27	MP BETA3	Y	-.164	1.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
28	MP BETA1	Y	-.065	4.5
29	MP BETA1	Y	-.065	1.5
30	MP BETA4	Y	-.071	3
31	MP BETA2	Y	-.066	3
32	MP BETA4	Y	-.081	3
33	MP BETA1	Y	-.062	3
34	MP GAMMA8	Y	-.014	11

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Z	-.045	6.5
2	MP GAMMA6	Z	-.045	1.5
3	MP GAMMA3	Z	-.032	6.5
4	MP GAMMA3	Z	-.032	1.5
5	MP GAMMA1	Z	-.026	4.5
6	MP GAMMA1	Z	-.026	1.5
7	MP GAMMA5	Z	-.071	3
8	MP GAMMA2	Z	-.059	3
9	MP GAMMA5	Z	-.075	3
10	MP GAMMA1	Z	-.044	3
11	MP ALPHA3	Z	-.026	3
12	MP BETA2	Z	-.033	3
13	MP GAMMA2	Z	-.033	3
14	MP ALPHA6	Z	-.045	6.5
15	MP ALPHA6	Z	-.045	1.5
16	MP ALPHA4	Z	-.032	6.5
17	MP ALPHA4	Z	-.032	1.5
18	MP ALPHA1	Z	-.026	4.5
19	MP ALPHA1	Z	-.026	1.5
20	MP ALPHA5	Z	-.071	3
21	MP ALPHA3	Z	-.059	3
22	MP ALPHA5	Z	-.075	3
23	MP ALPHA1	Z	-.044	3
24	MP BETA5	Z	-.045	6.5
25	MP BETA5	Z	-.045	1.5
26	MP BETA3	Z	-.032	6.5
27	MP BETA3	Z	-.032	1.5
28	MP BETA1	Z	-.026	4.5
29	MP BETA1	Z	-.026	1.5
30	MP BETA4	Z	-.071	3
31	MP BETA2	Z	-.059	3
32	MP BETA4	Z	-.075	3
33	MP BETA1	Z	-.044	3
34	MP GAMMA8	Z	-.063	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.222	6.5
2	MP GAMMA6	Y	-.222	1.5
3	MP GAMMA6	X	-.128	6.5
4	MP GAMMA6	X	-.128	1.5
5	MP GAMMA3	Y	-.227	6.5
6	MP GAMMA3	Y	-.227	1.5
7	MP GAMMA3	X	-.131	6.5
8	MP GAMMA3	X	-.131	1.5
9	MP GAMMA1	Y	-.074	4.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP GAMMA1	Y	-.074	1.5
11	MP GAMMA1	X	-.043	4.5
12	MP GAMMA1	X	-.043	1.5
13	MP GAMMA5	Y	-.073	3
14	MP GAMMA5	X	-.042	3
15	MP GAMMA2	Y	-.073	3
16	MP GAMMA2	X	-.042	3
17	MP GAMMA5	Y	-.076	3
18	MP GAMMA5	X	-.044	3
19	MP GAMMA1	Y	-.06	3
20	MP GAMMA1	X	-.035	3
21	MP ALPHA3	Y	-.047	3
22	MP ALPHA3	X	-.027	3
23	MP BETA2	Y	-.054	3
24	MP BETA2	X	-.031	3
25	MP GAMMA2	Y	-.05	3
26	MP GAMMA2	X	-.029	3
27	MP ALPHA6	Y	-.222	6.5
28	MP ALPHA6	Y	-.222	1.5
29	MP ALPHA6	X	-.128	6.5
30	MP ALPHA6	X	-.128	1.5
31	MP ALPHA4	Y	-.227	6.5
32	MP ALPHA4	Y	-.227	1.5
33	MP ALPHA4	X	-.131	6.5
34	MP ALPHA4	X	-.131	1.5
35	MP ALPHA1	Y	-.074	4.5
36	MP ALPHA1	Y	-.074	1.5
37	MP ALPHA1	X	-.043	4.5
38	MP ALPHA1	X	-.043	1.5
39	MP ALPHA5	Y	-.073	3
40	MP ALPHA5	X	-.042	3
41	MP ALPHA3	Y	-.073	3
42	MP ALPHA3	X	-.042	3
43	MP ALPHA5	Y	-.076	3
44	MP ALPHA5	X	-.044	3
45	MP ALPHA1	Y	-.06	3
46	MP ALPHA1	X	-.035	3
47	MP BETA5	Y	-.099	6.5
48	MP BETA5	Y	-.099	1.5
49	MP BETA5	X	-.057	6.5
50	MP BETA5	X	-.057	1.5
51	MP BETA3	Y	-.1	6.5
52	MP BETA3	Y	-.1	1.5
53	MP BETA3	X	-.058	6.5
54	MP BETA3	X	-.058	1.5
55	MP BETA1	Y	-.048	4.5
56	MP BETA1	Y	-.048	1.5
57	MP BETA1	X	-.028	4.5
58	MP BETA1	X	-.028	1.5
59	MP BETA4	Y	-.056	3
60	MP BETA4	X	-.032	3
61	MP BETA2	Y	-.05	3
62	MP BETA2	X	-.029	3
63	MP BETA4	Y	-.067	3
64	MP BETA4	X	-.039	3
65	MP BETA1	Y	-.051	3
66	MP BETA1	X	-.03	3

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
67	MP GAMMA8	Y	-.012	11
68	MP GAMMA8	X	-.007	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.152	6.5
2	MP GAMMA6	Y	-.152	1.5
3	MP GAMMA6	X	-.263	6.5
4	MP GAMMA6	X	-.263	1.5
5	MP GAMMA3	Y	-.156	6.5
6	MP GAMMA3	Y	-.156	1.5
7	MP GAMMA3	X	-.269	6.5
8	MP GAMMA3	X	-.269	1.5
9	MP GAMMA1	Y	-.048	4.5
10	MP GAMMA1	Y	-.048	1.5
11	MP GAMMA1	X	-.082	4.5
12	MP GAMMA1	X	-.082	1.5
13	MP GAMMA5	Y	-.045	3
14	MP GAMMA5	X	-.078	3
15	MP GAMMA2	Y	-.046	3
16	MP GAMMA2	X	-.08	3
17	MP GAMMA5	Y	-.045	3
18	MP GAMMA5	X	-.079	3
19	MP GAMMA1	Y	-.036	3
20	MP GAMMA1	X	-.063	3
21	MP ALPHA3	Y	-.028	3
22	MP ALPHA3	X	-.049	3
23	MP BETA2	Y	-.03	3
24	MP BETA2	X	-.052	3
25	MP GAMMA2	Y	-.028	3
26	MP GAMMA2	X	-.048	3
27	MP ALPHA6	Y	-.081	6.5
28	MP ALPHA6	Y	-.081	1.5
29	MP ALPHA6	X	-.14	6.5
30	MP ALPHA6	X	-.14	1.5
31	MP ALPHA4	Y	-.082	6.5
32	MP ALPHA4	Y	-.082	1.5
33	MP ALPHA4	X	-.142	6.5
34	MP ALPHA4	X	-.142	1.5
35	MP ALPHA1	Y	-.033	4.5
36	MP ALPHA1	Y	-.033	1.5
37	MP ALPHA1	X	-.056	4.5
38	MP ALPHA1	X	-.056	1.5
39	MP ALPHA5	Y	-.036	3
40	MP ALPHA5	X	-.062	3
41	MP ALPHA3	Y	-.033	3
42	MP ALPHA3	X	-.057	3
43	MP ALPHA5	Y	-.041	3
44	MP ALPHA5	X	-.07	3
45	MP ALPHA1	Y	-.031	3
46	MP ALPHA1	X	-.054	3
47	MP BETA5	Y	-.081	6.5
48	MP BETA5	Y	-.081	1.5
49	MP BETA5	X	-.14	6.5
50	MP BETA5	X	-.14	1.5
51	MP BETA3	Y	-.082	6.5

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
52	MP BETA3	Y	-.082	1.5
53	MP BETA3	X	-.142	6.5
54	MP BETA3	X	-.142	1.5
55	MP BETA1	Y	-.033	4.5
56	MP BETA1	Y	-.033	1.5
57	MP BETA1	X	-.056	4.5
58	MP BETA1	X	-.056	1.5
59	MP BETA4	Y	-.036	3
60	MP BETA4	X	-.062	3
61	MP BETA2	Y	-.033	3
62	MP BETA2	X	-.057	3
63	MP BETA4	Y	-.041	3
64	MP BETA4	X	-.07	3
65	MP BETA1	Y	-.031	3
66	MP BETA1	X	-.054	3
67	MP GAMMA8	Y	-.006	11
68	MP GAMMA8	X	-.011	11

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP GAMMA6	X	-.256	6.5
2	MP GAMMA6	X	-.256	1.5
3	MP GAMMA3	X	-.262	6.5
4	MP GAMMA3	X	-.262	1.5
5	MP GAMMA1	X	-.085	4.5
6	MP GAMMA1	X	-.085	1.5
7	MP GAMMA5	X	-.084	3
8	MP GAMMA2	X	-.084	3
9	MP GAMMA5	X	-.088	3
10	MP GAMMA1	X	-.069	3
11	MP ALPHA3	X	-.058	3
12	MP BETA2	X	-.057	3
13	MP GAMMA2	X	-.057	3
14	MP ALPHA6	X	-.114	6.5
15	MP ALPHA6	X	-.114	1.5
16	MP ALPHA4	X	-.116	6.5
17	MP ALPHA4	X	-.116	1.5
18	MP ALPHA1	X	-.055	4.5
19	MP ALPHA1	X	-.055	1.5
20	MP ALPHA5	X	-.065	3
21	MP ALPHA3	X	-.057	3
22	MP ALPHA5	X	-.078	3
23	MP ALPHA1	X	-.059	3
24	MP BETA5	X	-.256	6.5
25	MP BETA5	X	-.256	1.5
26	MP BETA3	X	-.262	6.5
27	MP BETA3	X	-.262	1.5
28	MP BETA1	X	-.085	4.5
29	MP BETA1	X	-.085	1.5
30	MP BETA4	X	-.084	3
31	MP BETA2	X	-.084	3
32	MP BETA4	X	-.088	3
33	MP BETA1	X	-.069	3
34	MP GAMMA8	X	-.013	11

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP GAMMA6	Y	.081	6.5
2	MP GAMMA6	Y	.081	1.5
3	MP GAMMA6	X	-.14	6.5
4	MP GAMMA6	X	-.14	1.5
5	MP GAMMA3	Y	.082	6.5
6	MP GAMMA3	Y	.082	1.5
7	MP GAMMA3	X	-.142	6.5
8	MP GAMMA3	X	-.142	1.5
9	MP GAMMA1	Y	.033	4.5
10	MP GAMMA1	Y	.033	1.5
11	MP GAMMA1	X	-.056	4.5
12	MP GAMMA1	X	-.056	1.5
13	MP GAMMA5	Y	.036	3
14	MP GAMMA5	X	-.062	3
15	MP GAMMA2	Y	.033	3
16	MP GAMMA2	X	-.057	3
17	MP GAMMA5	Y	.041	3
18	MP GAMMA5	X	-.07	3
19	MP GAMMA1	Y	.031	3
20	MP GAMMA1	X	-.054	3
21	MP ALPHA3	Y	.028	3
22	MP ALPHA3	X	-.049	3
23	MP BETA2	Y	.028	3
24	MP BETA2	X	-.048	3
25	MP GAMMA2	Y	.03	3
26	MP GAMMA2	X	-.052	3
27	MP ALPHA6	Y	.081	6.5
28	MP ALPHA6	Y	.081	1.5
29	MP ALPHA6	X	-.14	6.5
30	MP ALPHA6	X	-.14	1.5
31	MP ALPHA4	Y	.082	6.5
32	MP ALPHA4	Y	.082	1.5
33	MP ALPHA4	X	-.142	6.5
34	MP ALPHA4	X	-.142	1.5
35	MP ALPHA1	Y	.033	4.5
36	MP ALPHA1	Y	.033	1.5
37	MP ALPHA1	X	-.056	4.5
38	MP ALPHA1	X	-.056	1.5
39	MP ALPHA5	Y	.036	3
40	MP ALPHA5	X	-.062	3
41	MP ALPHA3	Y	.033	3
42	MP ALPHA3	X	-.057	3
43	MP ALPHA5	Y	.041	3
44	MP ALPHA5	X	-.07	3
45	MP ALPHA1	Y	.031	3
46	MP ALPHA1	X	-.054	3
47	MP BETA5	Y	.152	6.5
48	MP BETA5	Y	.152	1.5
49	MP BETA5	X	-.263	6.5
50	MP BETA5	X	-.263	1.5
51	MP BETA3	Y	.156	6.5
52	MP BETA3	Y	.156	1.5
53	MP BETA3	X	-.269	6.5
54	MP BETA3	X	-.269	1.5
55	MP BETA1	Y	.048	4.5
56	MP BETA1	Y	.048	1.5
57	MP BETA1	X	-.082	4.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
58	MP BETA1	X	-.082	1.5
59	MP BETA4	Y	.045	3
60	MP BETA4	X	-.078	3
61	MP BETA2	Y	.046	3
62	MP BETA2	X	-.08	3
63	MP BETA4	Y	.045	3
64	MP BETA4	X	-.079	3
65	MP BETA1	Y	.036	3
66	MP BETA1	X	-.063	3
67	MP GAMMA8	Y	.007	11
68	MP GAMMA8	X	-.012	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	.099	6.5
2	MP GAMMA6	Y	.099	1.5
3	MP GAMMA6	X	-.057	6.5
4	MP GAMMA6	X	-.057	1.5
5	MP GAMMA3	Y	.1	6.5
6	MP GAMMA3	Y	.1	1.5
7	MP GAMMA3	X	-.058	6.5
8	MP GAMMA3	X	-.058	1.5
9	MP GAMMA1	Y	.048	4.5
10	MP GAMMA1	Y	.048	1.5
11	MP GAMMA1	X	-.028	4.5
12	MP GAMMA1	X	-.028	1.5
13	MP GAMMA5	Y	.056	3
14	MP GAMMA5	X	-.032	3
15	MP GAMMA2	Y	.05	3
16	MP GAMMA2	X	-.029	3
17	MP GAMMA5	Y	.067	3
18	MP GAMMA5	X	-.039	3
19	MP GAMMA1	Y	.051	3
20	MP GAMMA1	X	-.03	3
21	MP ALPHA3	Y	.047	3
22	MP ALPHA3	X	-.027	3
23	MP BETA2	Y	.05	3
24	MP BETA2	X	-.029	3
25	MP GAMMA2	Y	.054	3
26	MP GAMMA2	X	-.031	3
27	MP ALPHA6	Y	.222	6.5
28	MP ALPHA6	Y	.222	1.5
29	MP ALPHA6	X	-.128	6.5
30	MP ALPHA6	X	-.128	1.5
31	MP ALPHA4	Y	.227	6.5
32	MP ALPHA4	Y	.227	1.5
33	MP ALPHA4	X	-.131	6.5
34	MP ALPHA4	X	-.131	1.5
35	MP ALPHA1	Y	.074	4.5
36	MP ALPHA1	Y	.074	1.5
37	MP ALPHA1	X	-.043	4.5
38	MP ALPHA1	X	-.043	1.5
39	MP ALPHA5	Y	.073	3
40	MP ALPHA5	X	-.042	3
41	MP ALPHA3	Y	.073	3
42	MP ALPHA3	X	-.042	3

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
43	MP ALPHA5	Y	.076	3
44	MP ALPHA5	X	-.044	3
45	MP ALPHA1	Y	.06	3
46	MP ALPHA1	X	-.035	3
47	MP BETA5	Y	.222	6.5
48	MP BETA5	Y	.222	1.5
49	MP BETA5	X	-.128	6.5
50	MP BETA5	X	-.128	1.5
51	MP BETA3	Y	.227	6.5
52	MP BETA3	Y	.227	1.5
53	MP BETA3	X	-.131	6.5
54	MP BETA3	X	-.131	1.5
55	MP BETA1	Y	.074	4.5
56	MP BETA1	Y	.074	1.5
57	MP BETA1	X	-.043	4.5
58	MP BETA1	X	-.043	1.5
59	MP BETA4	Y	.073	3
60	MP BETA4	X	-.042	3
61	MP BETA2	Y	.073	3
62	MP BETA2	X	-.042	3
63	MP BETA4	Y	.076	3
64	MP BETA4	X	-.044	3
65	MP BETA1	Y	.06	3
66	MP BETA1	X	-.035	3
67	MP GAMMA8	Y	.012	11
68	MP GAMMA8	X	-.007	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	.161	6.5
2	MP GAMMA6	Y	.161	1.5
3	MP GAMMA3	Y	.164	6.5
4	MP GAMMA3	Y	.164	1.5
5	MP GAMMA1	Y	.065	4.5
6	MP GAMMA1	Y	.065	1.5
7	MP GAMMA5	Y	.071	3
8	MP GAMMA2	Y	.066	3
9	MP GAMMA5	Y	.081	3
10	MP GAMMA1	Y	.062	3
11	MP ALPHA3	Y	.053	3
12	MP BETA2	Y	.06	3
13	MP GAMMA2	Y	.06	3
14	MP ALPHA6	Y	.304	6.5
15	MP ALPHA6	Y	.304	1.5
16	MP ALPHA4	Y	.311	6.5
17	MP ALPHA4	Y	.311	1.5
18	MP ALPHA1	Y	.095	4.5
19	MP ALPHA1	Y	.095	1.5
20	MP ALPHA5	Y	.09	3
21	MP ALPHA3	Y	.093	3
22	MP ALPHA5	Y	.091	3
23	MP ALPHA1	Y	.073	3
24	MP BETA5	Y	.161	6.5
25	MP BETA5	Y	.161	1.5
26	MP BETA3	Y	.164	6.5
27	MP BETA3	Y	.164	1.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
28	MP BETA1	Y	.065	4.5
29	MP BETA1	Y	.065	1.5
30	MP BETA4	Y	.071	3
31	MP BETA2	Y	.066	3
32	MP BETA4	Y	.081	3
33	MP BETA1	Y	.062	3
34	MP GAMMA8	Y	.014	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	.222	6.5
2	MP GAMMA6	Y	.222	1.5
3	MP GAMMA6	X	.128	6.5
4	MP GAMMA6	X	.128	1.5
5	MP GAMMA3	Y	.227	6.5
6	MP GAMMA3	Y	.227	1.5
7	MP GAMMA3	X	.131	6.5
8	MP GAMMA3	X	.131	1.5
9	MP GAMMA1	Y	.074	4.5
10	MP GAMMA1	Y	.074	1.5
11	MP GAMMA1	X	.043	4.5
12	MP GAMMA1	X	.043	1.5
13	MP GAMMA5	Y	.073	3
14	MP GAMMA5	X	.042	3
15	MP GAMMA2	Y	.073	3
16	MP GAMMA2	X	.042	3
17	MP GAMMA5	Y	.076	3
18	MP GAMMA5	X	.044	3
19	MP GAMMA1	Y	.06	3
20	MP GAMMA1	X	.035	3
21	MP ALPHA3	Y	.047	3
22	MP ALPHA3	X	.027	3
23	MP BETA2	Y	.054	3
24	MP BETA2	X	.031	3
25	MP GAMMA2	Y	.05	3
26	MP GAMMA2	X	.029	3
27	MP ALPHA6	Y	.222	6.5
28	MP ALPHA6	Y	.222	1.5
29	MP ALPHA6	X	.128	6.5
30	MP ALPHA6	X	.128	1.5
31	MP ALPHA4	Y	.227	6.5
32	MP ALPHA4	Y	.227	1.5
33	MP ALPHA4	X	.131	6.5
34	MP ALPHA4	X	.131	1.5
35	MP ALPHA1	Y	.074	4.5
36	MP ALPHA1	Y	.074	1.5
37	MP ALPHA1	X	.043	4.5
38	MP ALPHA1	X	.043	1.5
39	MP ALPHA5	Y	.073	3
40	MP ALPHA5	X	.042	3
41	MP ALPHA3	Y	.073	3
42	MP ALPHA3	X	.042	3
43	MP ALPHA5	Y	.076	3
44	MP ALPHA5	X	.044	3
45	MP ALPHA1	Y	.06	3
46	MP ALPHA1	X	.035	3

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
47	MP BETA5	Y	.099	6.5
48	MP BETA5	Y	.099	1.5
49	MP BETA5	X	.057	6.5
50	MP BETA5	X	.057	1.5
51	MP BETA3	Y	.1	6.5
52	MP BETA3	Y	.1	1.5
53	MP BETA3	X	.058	6.5
54	MP BETA3	X	.058	1.5
55	MP BETA1	Y	.048	4.5
56	MP BETA1	Y	.048	1.5
57	MP BETA1	X	.028	4.5
58	MP BETA1	X	.028	1.5
59	MP BETA4	Y	.056	3
60	MP BETA4	X	.032	3
61	MP BETA2	Y	.05	3
62	MP BETA2	X	.029	3
63	MP BETA4	Y	.067	3
64	MP BETA4	X	.039	3
65	MP BETA1	Y	.051	3
66	MP BETA1	X	.03	3
67	MP GAMMA8	Y	.012	11
68	MP GAMMA8	X	.007	11

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP GAMMA6	Y	.152	6.5
2	MP GAMMA6	Y	.152	1.5
3	MP GAMMA6	X	.263	6.5
4	MP GAMMA6	X	.263	1.5
5	MP GAMMA3	Y	.156	6.5
6	MP GAMMA3	Y	.156	1.5
7	MP GAMMA3	X	.269	6.5
8	MP GAMMA3	X	.269	1.5
9	MP GAMMA1	Y	.048	4.5
10	MP GAMMA1	Y	.048	1.5
11	MP GAMMA1	X	.082	4.5
12	MP GAMMA1	X	.082	1.5
13	MP GAMMA5	Y	.045	3
14	MP GAMMA5	X	.078	3
15	MP GAMMA2	Y	.046	3
16	MP GAMMA2	X	.08	3
17	MP GAMMA5	Y	.045	3
18	MP GAMMA5	X	.079	3
19	MP GAMMA1	Y	.036	3
20	MP GAMMA1	X	.063	3
21	MP ALPHA3	Y	.028	3
22	MP ALPHA3	X	.049	3
23	MP BETA2	Y	.03	3
24	MP BETA2	X	.052	3
25	MP GAMMA2	Y	.028	3
26	MP GAMMA2	X	.048	3
27	MP ALPHA6	Y	.081	6.5
28	MP ALPHA6	Y	.081	1.5
29	MP ALPHA6	X	.14	6.5
30	MP ALPHA6	X	.14	1.5
31	MP ALPHA4	Y	.082	6.5

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
32	MP ALPHA4	Y	.082	1.5
33	MP ALPHA4	X	.142	6.5
34	MP ALPHA4	X	.142	1.5
35	MP ALPHA1	Y	.033	4.5
36	MP ALPHA1	Y	.033	1.5
37	MP ALPHA1	X	.056	4.5
38	MP ALPHA1	X	.056	1.5
39	MP ALPHA5	Y	.036	3
40	MP ALPHA5	X	.062	3
41	MP ALPHA3	Y	.033	3
42	MP ALPHA3	X	.057	3
43	MP ALPHA5	Y	.041	3
44	MP ALPHA5	X	.07	3
45	MP ALPHA1	Y	.031	3
46	MP ALPHA1	X	.054	3
47	MP BETA5	Y	.081	6.5
48	MP BETA5	Y	.081	1.5
49	MP BETA5	X	.14	6.5
50	MP BETA5	X	.14	1.5
51	MP BETA3	Y	.082	6.5
52	MP BETA3	Y	.082	1.5
53	MP BETA3	X	.142	6.5
54	MP BETA3	X	.142	1.5
55	MP BETA1	Y	.033	4.5
56	MP BETA1	Y	.033	1.5
57	MP BETA1	X	.056	4.5
58	MP BETA1	X	.056	1.5
59	MP BETA4	Y	.036	3
60	MP BETA4	X	.062	3
61	MP BETA2	Y	.033	3
62	MP BETA2	X	.057	3
63	MP BETA4	Y	.041	3
64	MP BETA4	X	.07	3
65	MP BETA1	Y	.031	3
66	MP BETA1	X	.054	3
67	MP GAMMA8	Y	.006	11
68	MP GAMMA8	X	.011	11

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP GAMMA6	X	.256	6.5
2	MP GAMMA6	X	.256	1.5
3	MP GAMMA3	X	.262	6.5
4	MP GAMMA3	X	.262	1.5
5	MP GAMMA1	X	.085	4.5
6	MP GAMMA1	X	.085	1.5
7	MP GAMMA5	X	.084	3
8	MP GAMMA2	X	.084	3
9	MP GAMMA5	X	.088	3
10	MP GAMMA1	X	.069	3
11	MP ALPHA3	X	.058	3
12	MP BETA2	X	.057	3
13	MP GAMMA2	X	.057	3
14	MP ALPHA6	X	.114	6.5
15	MP ALPHA6	X	.114	1.5
16	MP ALPHA4	X	.116	6.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
17	MP ALPHA4	X	.116	1.5
18	MP ALPHA1	X	.055	4.5
19	MP ALPHA1	X	.055	1.5
20	MP ALPHA5	X	.065	3
21	MP ALPHA3	X	.057	3
22	MP ALPHA5	X	.078	3
23	MP ALPHA1	X	.059	3
24	MP BETA5	X	.256	6.5
25	MP BETA5	X	.256	1.5
26	MP BETA3	X	.262	6.5
27	MP BETA3	X	.262	1.5
28	MP BETA1	X	.085	4.5
29	MP BETA1	X	.085	1.5
30	MP BETA4	X	.084	3
31	MP BETA2	X	.084	3
32	MP BETA4	X	.088	3
33	MP BETA1	X	.069	3
34	MP GAMMA8	X	.013	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.081	6.5
2	MP GAMMA6	Y	-.081	1.5
3	MP GAMMA6	X	.14	6.5
4	MP GAMMA6	X	.14	1.5
5	MP GAMMA3	Y	-.082	6.5
6	MP GAMMA3	Y	-.082	1.5
7	MP GAMMA3	X	.142	6.5
8	MP GAMMA3	X	.142	1.5
9	MP GAMMA1	Y	-.033	4.5
10	MP GAMMA1	Y	-.033	1.5
11	MP GAMMA1	X	.056	4.5
12	MP GAMMA1	X	.056	1.5
13	MP GAMMA5	Y	-.036	3
14	MP GAMMA5	X	.062	3
15	MP GAMMA2	Y	-.033	3
16	MP GAMMA2	X	.057	3
17	MP GAMMA5	Y	-.041	3
18	MP GAMMA5	X	.07	3
19	MP GAMMA1	Y	-.031	3
20	MP GAMMA1	X	.054	3
21	MP ALPHA3	Y	-.028	3
22	MP ALPHA3	X	.049	3
23	MP BETA2	Y	-.028	3
24	MP BETA2	X	.048	3
25	MP GAMMA2	Y	-.03	3
26	MP GAMMA2	X	.052	3
27	MP ALPHA6	Y	-.081	6.5
28	MP ALPHA6	Y	-.081	1.5
29	MP ALPHA6	X	.14	6.5
30	MP ALPHA6	X	.14	1.5
31	MP ALPHA4	Y	-.082	6.5
32	MP ALPHA4	Y	-.082	1.5
33	MP ALPHA4	X	.142	6.5
34	MP ALPHA4	X	.142	1.5
35	MP ALPHA1	Y	-.033	4.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
36	MP ALPHA1	Y	-.033	1.5
37	MP ALPHA1	X	.056	4.5
38	MP ALPHA1	X	.056	1.5
39	MP ALPHA5	Y	-.036	3
40	MP ALPHA5	X	.062	3
41	MP ALPHA3	Y	-.033	3
42	MP ALPHA3	X	.057	3
43	MP ALPHA5	Y	-.041	3
44	MP ALPHA5	X	.07	3
45	MP ALPHA1	Y	-.031	3
46	MP ALPHA1	X	.054	3
47	MP BETA5	Y	-.152	6.5
48	MP BETA5	Y	-.152	1.5
49	MP BETA5	X	.263	6.5
50	MP BETA5	X	.263	1.5
51	MP BETA3	Y	-.156	6.5
52	MP BETA3	Y	-.156	1.5
53	MP BETA3	X	.269	6.5
54	MP BETA3	X	.269	1.5
55	MP BETA1	Y	-.048	4.5
56	MP BETA1	Y	-.048	1.5
57	MP BETA1	X	.082	4.5
58	MP BETA1	X	.082	1.5
59	MP BETA4	Y	-.045	3
60	MP BETA4	X	.078	3
61	MP BETA2	Y	-.046	3
62	MP BETA2	X	.08	3
63	MP BETA4	Y	-.045	3
64	MP BETA4	X	.079	3
65	MP BETA1	Y	-.036	3
66	MP BETA1	X	.063	3
67	MP GAMMA8	Y	-.007	11
68	MP GAMMA8	X	.012	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.099	6.5
2	MP GAMMA6	Y	-.099	1.5
3	MP GAMMA6	X	.057	6.5
4	MP GAMMA6	X	.057	1.5
5	MP GAMMA3	Y	-.1	6.5
6	MP GAMMA3	Y	-.1	1.5
7	MP GAMMA3	X	.058	6.5
8	MP GAMMA3	X	.058	1.5
9	MP GAMMA1	Y	-.048	4.5
10	MP GAMMA1	Y	-.048	1.5
11	MP GAMMA1	X	.028	4.5
12	MP GAMMA1	X	.028	1.5
13	MP GAMMA5	Y	-.056	3
14	MP GAMMA5	X	.032	3
15	MP GAMMA2	Y	-.05	3
16	MP GAMMA2	X	.029	3
17	MP GAMMA5	Y	-.067	3
18	MP GAMMA5	X	.039	3
19	MP GAMMA1	Y	-.051	3
20	MP GAMMA1	X	.03	3

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
21	MP ALPHA3	Y	-.047	3
22	MP ALPHA3	X	.027	3
23	MP BETA2	Y	-.05	3
24	MP BETA2	X	.029	3
25	MP GAMMA2	Y	-.054	3
26	MP GAMMA2	X	.031	3
27	MP ALPHA6	Y	-.222	6.5
28	MP ALPHA6	Y	-.222	1.5
29	MP ALPHA6	X	.128	6.5
30	MP ALPHA6	X	.128	1.5
31	MP ALPHA4	Y	-.227	6.5
32	MP ALPHA4	Y	-.227	1.5
33	MP ALPHA4	X	.131	6.5
34	MP ALPHA4	X	.131	1.5
35	MP ALPHA1	Y	-.074	4.5
36	MP ALPHA1	Y	-.074	1.5
37	MP ALPHA1	X	.043	4.5
38	MP ALPHA1	X	.043	1.5
39	MP ALPHA5	Y	-.073	3
40	MP ALPHA5	X	.042	3
41	MP ALPHA3	Y	-.073	3
42	MP ALPHA3	X	.042	3
43	MP ALPHA5	Y	-.076	3
44	MP ALPHA5	X	.044	3
45	MP ALPHA1	Y	-.06	3
46	MP ALPHA1	X	.035	3
47	MP BETA5	Y	-.222	6.5
48	MP BETA5	Y	-.222	1.5
49	MP BETA5	X	.128	6.5
50	MP BETA5	X	.128	1.5
51	MP BETA3	Y	-.227	6.5
52	MP BETA3	Y	-.227	1.5
53	MP BETA3	X	.131	6.5
54	MP BETA3	X	.131	1.5
55	MP BETA1	Y	-.074	4.5
56	MP BETA1	Y	-.074	1.5
57	MP BETA1	X	.043	4.5
58	MP BETA1	X	.043	1.5
59	MP BETA4	Y	-.073	3
60	MP BETA4	X	.042	3
61	MP BETA2	Y	-.073	3
62	MP BETA2	X	.042	3
63	MP BETA4	Y	-.076	3
64	MP BETA4	X	.044	3
65	MP BETA1	Y	-.06	3
66	MP BETA1	X	.035	3
67	MP GAMMA8	Y	-.012	11
68	MP GAMMA8	X	.007	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.009	6.5
2	MP GAMMA6	Y	-.009	1.5
3	MP GAMMA3	Y	-.009	6.5
4	MP GAMMA3	Y	-.009	1.5
5	MP GAMMA1	Y	-.004	4.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
6	MP GAMMA1	Y	-.004	1.5
7	MP GAMMA5	Y	-.004	3
8	MP GAMMA2	Y	-.004	3
9	MP GAMMA5	Y	-.005	3
10	MP GAMMA1	Y	-.004	3
11	MP ALPHA3	Y	-.003	3
12	MP BETA2	Y	-.003	3
13	MP GAMMA2	Y	-.003	3
14	MP ALPHA6	Y	-.017	6.5
15	MP ALPHA6	Y	-.017	1.5
16	MP ALPHA4	Y	-.018	6.5
17	MP ALPHA4	Y	-.018	1.5
18	MP ALPHA1	Y	-.005	4.5
19	MP ALPHA1	Y	-.005	1.5
20	MP ALPHA5	Y	-.005	3
21	MP ALPHA3	Y	-.005	3
22	MP ALPHA5	Y	-.005	3
23	MP ALPHA1	Y	-.004	3
24	MP BETA5	Y	-.009	6.5
25	MP BETA5	Y	-.009	1.5
26	MP BETA3	Y	-.009	6.5
27	MP BETA3	Y	-.009	1.5
28	MP BETA1	Y	-.004	4.5
29	MP BETA1	Y	-.004	1.5
30	MP BETA4	Y	-.004	3
31	MP BETA2	Y	-.004	3
32	MP BETA4	Y	-.005	3
33	MP BETA1	Y	-.004	3
34	MP GAMMA8	Y	-.000809	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.013	6.5
2	MP GAMMA6	Y	-.013	1.5
3	MP GAMMA6	X	-.007	6.5
4	MP GAMMA6	X	-.007	1.5
5	MP GAMMA3	Y	-.013	6.5
6	MP GAMMA3	Y	-.013	1.5
7	MP GAMMA3	X	-.008	6.5
8	MP GAMMA3	X	-.008	1.5
9	MP GAMMA1	Y	-.004	4.5
10	MP GAMMA1	Y	-.004	1.5
11	MP GAMMA1	X	-.002	4.5
12	MP GAMMA1	X	-.002	1.5
13	MP GAMMA5	Y	-.004	3
14	MP GAMMA5	X	-.002	3
15	MP GAMMA2	Y	-.004	3
16	MP GAMMA2	X	-.002	3
17	MP GAMMA5	Y	-.004	3
18	MP GAMMA5	X	-.003	3
19	MP GAMMA1	Y	-.003	3
20	MP GAMMA1	X	-.002	3
21	MP ALPHA3	Y	-.003	3
22	MP ALPHA3	X	-.002	3
23	MP BETA2	Y	-.003	3
24	MP BETA2	X	-.002	3

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
25	MP GAMMA2	Y	-.003	3
26	MP GAMMA2	X	-.002	3
27	MP ALPHA6	Y	-.013	6.5
28	MP ALPHA6	Y	-.013	1.5
29	MP ALPHA6	X	-.007	6.5
30	MP ALPHA6	X	-.007	1.5
31	MP ALPHA4	Y	-.013	6.5
32	MP ALPHA4	Y	-.013	1.5
33	MP ALPHA4	X	-.008	6.5
34	MP ALPHA4	X	-.008	1.5
35	MP ALPHA1	Y	-.004	4.5
36	MP ALPHA1	Y	-.004	1.5
37	MP ALPHA1	X	-.002	4.5
38	MP ALPHA1	X	-.002	1.5
39	MP ALPHA5	Y	-.004	3
40	MP ALPHA5	X	-.002	3
41	MP ALPHA3	Y	-.004	3
42	MP ALPHA3	X	-.002	3
43	MP ALPHA5	Y	-.004	3
44	MP ALPHA5	X	-.003	3
45	MP ALPHA1	Y	-.003	3
46	MP ALPHA1	X	-.002	3
47	MP BETA5	Y	-.006	6.5
48	MP BETA5	Y	-.006	1.5
49	MP BETA5	X	-.003	6.5
50	MP BETA5	X	-.003	1.5
51	MP BETA3	Y	-.006	6.5
52	MP BETA3	Y	-.006	1.5
53	MP BETA3	X	-.003	6.5
54	MP BETA3	X	-.003	1.5
55	MP BETA1	Y	-.003	4.5
56	MP BETA1	Y	-.003	1.5
57	MP BETA1	X	-.002	4.5
58	MP BETA1	X	-.002	1.5
59	MP BETA4	Y	-.003	3
60	MP BETA4	X	-.002	3
61	MP BETA2	Y	-.003	3
62	MP BETA2	X	-.002	3
63	MP BETA4	Y	-.004	3
64	MP BETA4	X	-.002	3
65	MP BETA1	Y	-.003	3
66	MP BETA1	X	-.002	3
67	MP GAMMA8	Y	-.000665	11
68	MP GAMMA8	X	-.000384	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.009	6.5
2	MP GAMMA6	Y	-.009	1.5
3	MP GAMMA6	X	-.015	6.5
4	MP GAMMA6	X	-.015	1.5
5	MP GAMMA3	Y	-.009	6.5
6	MP GAMMA3	Y	-.009	1.5
7	MP GAMMA3	X	-.016	6.5
8	MP GAMMA3	X	-.016	1.5
9	MP GAMMA1	Y	-.003	4.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP GAMMA1	Y	-.003	1.5
11	MP GAMMA1	X	-.005	4.5
12	MP GAMMA1	X	-.005	1.5
13	MP GAMMA5	Y	-.003	3
14	MP GAMMA5	X	-.005	3
15	MP GAMMA2	Y	-.003	3
16	MP GAMMA2	X	-.005	3
17	MP GAMMA5	Y	-.003	3
18	MP GAMMA5	X	-.005	3
19	MP GAMMA1	Y	-.002	3
20	MP GAMMA1	X	-.004	3
21	MP ALPHA3	Y	-.002	3
22	MP ALPHA3	X	-.003	3
23	MP BETA2	Y	-.002	3
24	MP BETA2	X	-.003	3
25	MP GAMMA2	Y	-.002	3
26	MP GAMMA2	X	-.003	3
27	MP ALPHA6	Y	-.005	6.5
28	MP ALPHA6	Y	-.005	1.5
29	MP ALPHA6	X	-.008	6.5
30	MP ALPHA6	X	-.008	1.5
31	MP ALPHA4	Y	-.005	6.5
32	MP ALPHA4	Y	-.005	1.5
33	MP ALPHA4	X	-.008	6.5
34	MP ALPHA4	X	-.008	1.5
35	MP ALPHA1	Y	-.002	4.5
36	MP ALPHA1	Y	-.002	1.5
37	MP ALPHA1	X	-.003	4.5
38	MP ALPHA1	X	-.003	1.5
39	MP ALPHA5	Y	-.002	3
40	MP ALPHA5	X	-.004	3
41	MP ALPHA3	Y	-.002	3
42	MP ALPHA3	X	-.003	3
43	MP ALPHA5	Y	-.002	3
44	MP ALPHA5	X	-.004	3
45	MP ALPHA1	Y	-.002	3
46	MP ALPHA1	X	-.003	3
47	MP BETA5	Y	-.005	6.5
48	MP BETA5	Y	-.005	1.5
49	MP BETA5	X	-.008	6.5
50	MP BETA5	X	-.008	1.5
51	MP BETA3	Y	-.005	6.5
52	MP BETA3	Y	-.005	1.5
53	MP BETA3	X	-.008	6.5
54	MP BETA3	X	-.008	1.5
55	MP BETA1	Y	-.002	4.5
56	MP BETA1	Y	-.002	1.5
57	MP BETA1	X	-.003	4.5
58	MP BETA1	X	-.003	1.5
59	MP BETA4	Y	-.002	3
60	MP BETA4	X	-.004	3
61	MP BETA2	Y	-.002	3
62	MP BETA2	X	-.003	3
63	MP BETA4	Y	-.002	3
64	MP BETA4	X	-.004	3
65	MP BETA1	Y	-.002	3
66	MP BETA1	X	-.003	3

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
67	MP GAMMA8	Y	-.000373	11
68	MP GAMMA8	X	-.000647	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	X	-.015	6.5
2	MP GAMMA6	X	-.015	1.5
3	MP GAMMA3	X	-.015	6.5
4	MP GAMMA3	X	-.015	1.5
5	MP GAMMA1	X	-.005	4.5
6	MP GAMMA1	X	-.005	1.5
7	MP GAMMA5	X	-.005	3
8	MP GAMMA2	X	-.005	3
9	MP GAMMA5	X	-.005	3
10	MP GAMMA1	X	-.004	3
11	MP ALPHA3	X	-.003	3
12	MP BETA2	X	-.003	3
13	MP GAMMA2	X	-.003	3
14	MP ALPHA6	X	-.007	6.5
15	MP ALPHA6	X	-.007	1.5
16	MP ALPHA4	X	-.007	6.5
17	MP ALPHA4	X	-.007	1.5
18	MP ALPHA1	X	-.003	4.5
19	MP ALPHA1	X	-.003	1.5
20	MP ALPHA5	X	-.004	3
21	MP ALPHA3	X	-.003	3
22	MP ALPHA5	X	-.004	3
23	MP ALPHA1	X	-.003	3
24	MP BETA5	X	-.015	6.5
25	MP BETA5	X	-.015	1.5
26	MP BETA3	X	-.015	6.5
27	MP BETA3	X	-.015	1.5
28	MP BETA1	X	-.005	4.5
29	MP BETA1	X	-.005	1.5
30	MP BETA4	X	-.005	3
31	MP BETA2	X	-.005	3
32	MP BETA4	X	-.005	3
33	MP BETA1	X	-.004	3
34	MP GAMMA8	X	-.000768	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	.005	6.5
2	MP GAMMA6	Y	.005	1.5
3	MP GAMMA6	X	-.008	6.5
4	MP GAMMA6	X	-.008	1.5
5	MP GAMMA3	Y	.005	6.5
6	MP GAMMA3	Y	.005	1.5
7	MP GAMMA3	X	-.008	6.5
8	MP GAMMA3	X	-.008	1.5
9	MP GAMMA1	Y	.002	4.5
10	MP GAMMA1	Y	.002	1.5
11	MP GAMMA1	X	-.003	4.5
12	MP GAMMA1	X	-.003	1.5
13	MP GAMMA5	Y	.002	3
14	MP GAMMA5	X	-.004	3

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
15	MP GAMMA2	Y	.002	3
16	MP GAMMA2	X	-.003	3
17	MP GAMMA5	Y	.002	3
18	MP GAMMA5	X	-.004	3
19	MP GAMMA1	Y	.002	3
20	MP GAMMA1	X	-.003	3
21	MP ALPHA3	Y	.002	3
22	MP ALPHA3	X	-.003	3
23	MP BETA2	Y	.002	3
24	MP BETA2	X	-.003	3
25	MP GAMMA2	Y	.002	3
26	MP GAMMA2	X	-.003	3
27	MP ALPHA6	Y	.005	6.5
28	MP ALPHA6	Y	.005	1.5
29	MP ALPHA6	X	-.008	6.5
30	MP ALPHA6	X	-.008	1.5
31	MP ALPHA4	Y	.005	6.5
32	MP ALPHA4	Y	.005	1.5
33	MP ALPHA4	X	-.008	6.5
34	MP ALPHA4	X	-.008	1.5
35	MP ALPHA1	Y	.002	4.5
36	MP ALPHA1	Y	.002	1.5
37	MP ALPHA1	X	-.003	4.5
38	MP ALPHA1	X	-.003	1.5
39	MP ALPHA5	Y	.002	3
40	MP ALPHA5	X	-.004	3
41	MP ALPHA3	Y	.002	3
42	MP ALPHA3	X	-.003	3
43	MP ALPHA5	Y	.002	3
44	MP ALPHA5	X	-.004	3
45	MP ALPHA1	Y	.002	3
46	MP ALPHA1	X	-.003	3
47	MP BETA5	Y	.009	6.5
48	MP BETA5	Y	.009	1.5
49	MP BETA5	X	-.015	6.5
50	MP BETA5	X	-.015	1.5
51	MP BETA3	Y	.009	6.5
52	MP BETA3	Y	.009	1.5
53	MP BETA3	X	-.016	6.5
54	MP BETA3	X	-.016	1.5
55	MP BETA1	Y	.003	4.5
56	MP BETA1	Y	.003	1.5
57	MP BETA1	X	-.005	4.5
58	MP BETA1	X	-.005	1.5
59	MP BETA4	Y	.003	3
60	MP BETA4	X	-.005	3
61	MP BETA2	Y	.003	3
62	MP BETA2	X	-.005	3
63	MP BETA4	Y	.003	3
64	MP BETA4	X	-.005	3
65	MP BETA1	Y	.002	3
66	MP BETA1	X	-.004	3
67	MP GAMMA8	Y	.000404	11
68	MP GAMMA8	X	-.000701	11

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

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	.006	6.5
2	MP GAMMA6	Y	.006	1.5
3	MP GAMMA6	X	-.003	6.5
4	MP GAMMA6	X	-.003	1.5
5	MP GAMMA3	Y	.006	6.5
6	MP GAMMA3	Y	.006	1.5
7	MP GAMMA3	X	-.003	6.5
8	MP GAMMA3	X	-.003	1.5
9	MP GAMMA1	Y	.003	4.5
10	MP GAMMA1	Y	.003	1.5
11	MP GAMMA1	X	-.002	4.5
12	MP GAMMA1	X	-.002	1.5
13	MP GAMMA5	Y	.003	3
14	MP GAMMA5	X	-.002	3
15	MP GAMMA2	Y	.003	3
16	MP GAMMA2	X	-.002	3
17	MP GAMMA5	Y	.004	3
18	MP GAMMA5	X	-.002	3
19	MP GAMMA1	Y	.003	3
20	MP GAMMA1	X	-.002	3
21	MP ALPHA3	Y	.003	3
22	MP ALPHA3	X	-.002	3
23	MP BETA2	Y	.003	3
24	MP BETA2	X	-.002	3
25	MP GAMMA2	Y	.003	3
26	MP GAMMA2	X	-.002	3
27	MP ALPHA6	Y	.013	6.5
28	MP ALPHA6	Y	.013	1.5
29	MP ALPHA6	X	-.007	6.5
30	MP ALPHA6	X	-.007	1.5
31	MP ALPHA4	Y	.013	6.5
32	MP ALPHA4	Y	.013	1.5
33	MP ALPHA4	X	-.008	6.5
34	MP ALPHA4	X	-.008	1.5
35	MP ALPHA1	Y	.004	4.5
36	MP ALPHA1	Y	.004	1.5
37	MP ALPHA1	X	-.002	4.5
38	MP ALPHA1	X	-.002	1.5
39	MP ALPHA5	Y	.004	3
40	MP ALPHA5	X	-.002	3
41	MP ALPHA3	Y	.004	3
42	MP ALPHA3	X	-.002	3
43	MP ALPHA5	Y	.004	3
44	MP ALPHA5	X	-.003	3
45	MP ALPHA1	Y	.003	3
46	MP ALPHA1	X	-.002	3
47	MP BETA5	Y	.013	6.5
48	MP BETA5	Y	.013	1.5
49	MP BETA5	X	-.007	6.5
50	MP BETA5	X	-.007	1.5
51	MP BETA3	Y	.013	6.5
52	MP BETA3	Y	.013	1.5
53	MP BETA3	X	-.008	6.5
54	MP BETA3	X	-.008	1.5
55	MP BETA1	Y	.004	4.5
56	MP BETA1	Y	.004	1.5
57	MP BETA1	X	-.002	4.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
58	MP BETA1	X	-.002	1.5
59	MP BETA4	Y	.004	3
60	MP BETA4	X	-.002	3
61	MP BETA2	Y	.004	3
62	MP BETA2	X	-.002	3
63	MP BETA4	Y	.004	3
64	MP BETA4	X	-.003	3
65	MP BETA1	Y	.003	3
66	MP BETA1	X	-.002	3
67	MP GAMMA8	Y	.000719	11
68	MP GAMMA8	X	-.000415	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	.009	6.5
2	MP GAMMA6	Y	.009	1.5
3	MP GAMMA3	Y	.009	6.5
4	MP GAMMA3	Y	.009	1.5
5	MP GAMMA1	Y	.004	4.5
6	MP GAMMA1	Y	.004	1.5
7	MP GAMMA5	Y	.004	3
8	MP GAMMA2	Y	.004	3
9	MP GAMMA5	Y	.005	3
10	MP GAMMA1	Y	.004	3
11	MP ALPHA3	Y	.003	3
12	MP BETA2	Y	.003	3
13	MP GAMMA2	Y	.003	3
14	MP ALPHA6	Y	.017	6.5
15	MP ALPHA6	Y	.017	1.5
16	MP ALPHA4	Y	.018	6.5
17	MP ALPHA4	Y	.018	1.5
18	MP ALPHA1	Y	.005	4.5
19	MP ALPHA1	Y	.005	1.5
20	MP ALPHA5	Y	.005	3
21	MP ALPHA3	Y	.005	3
22	MP ALPHA5	Y	.005	3
23	MP ALPHA1	Y	.004	3
24	MP BETA5	Y	.009	6.5
25	MP BETA5	Y	.009	1.5
26	MP BETA3	Y	.009	6.5
27	MP BETA3	Y	.009	1.5
28	MP BETA1	Y	.004	4.5
29	MP BETA1	Y	.004	1.5
30	MP BETA4	Y	.004	3
31	MP BETA2	Y	.004	3
32	MP BETA4	Y	.005	3
33	MP BETA1	Y	.004	3
34	MP GAMMA8	Y	.000809	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	.013	6.5
2	MP GAMMA6	Y	.013	1.5
3	MP GAMMA6	X	.007	6.5
4	MP GAMMA6	X	.007	1.5
5	MP GAMMA3	Y	.013	6.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
6	MP GAMMA3	Y	.013	1.5
7	MP GAMMA3	X	.008	6.5
8	MP GAMMA3	X	.008	1.5
9	MP GAMMA1	Y	.004	4.5
10	MP GAMMA1	Y	.004	1.5
11	MP GAMMA1	X	.002	4.5
12	MP GAMMA1	X	.002	1.5
13	MP GAMMA5	Y	.004	3
14	MP GAMMA5	X	.002	3
15	MP GAMMA2	Y	.004	3
16	MP GAMMA2	X	.002	3
17	MP GAMMA5	Y	.004	3
18	MP GAMMA5	X	.003	3
19	MP GAMMA1	Y	.003	3
20	MP GAMMA1	X	.002	3
21	MP ALPHA3	Y	.003	3
22	MP ALPHA3	X	.002	3
23	MP BETA2	Y	.003	3
24	MP BETA2	X	.002	3
25	MP GAMMA2	Y	.003	3
26	MP GAMMA2	X	.002	3
27	MP ALPHA6	Y	.013	6.5
28	MP ALPHA6	Y	.013	1.5
29	MP ALPHA6	X	.007	6.5
30	MP ALPHA6	X	.007	1.5
31	MP ALPHA4	Y	.013	6.5
32	MP ALPHA4	Y	.013	1.5
33	MP ALPHA4	X	.008	6.5
34	MP ALPHA4	X	.008	1.5
35	MP ALPHA1	Y	.004	4.5
36	MP ALPHA1	Y	.004	1.5
37	MP ALPHA1	X	.002	4.5
38	MP ALPHA1	X	.002	1.5
39	MP ALPHA5	Y	.004	3
40	MP ALPHA5	X	.002	3
41	MP ALPHA3	Y	.004	3
42	MP ALPHA3	X	.002	3
43	MP ALPHA5	Y	.004	3
44	MP ALPHA5	X	.003	3
45	MP ALPHA1	Y	.003	3
46	MP ALPHA1	X	.002	3
47	MP BETA5	Y	.006	6.5
48	MP BETA5	Y	.006	1.5
49	MP BETA5	X	.003	6.5
50	MP BETA5	X	.003	1.5
51	MP BETA3	Y	.006	6.5
52	MP BETA3	Y	.006	1.5
53	MP BETA3	X	.003	6.5
54	MP BETA3	X	.003	1.5
55	MP BETA1	Y	.003	4.5
56	MP BETA1	Y	.003	1.5
57	MP BETA1	X	.002	4.5
58	MP BETA1	X	.002	1.5
59	MP BETA4	Y	.003	3
60	MP BETA4	X	.002	3
61	MP BETA2	Y	.003	3
62	MP BETA2	X	.002	3

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
63	MP BETA4	Y	.004	3
64	MP BETA4	X	.002	3
65	MP BETA1	Y	.003	3
66	MP BETA1	X	.002	3
67	MP GAMMA8	Y	.000665	11
68	MP GAMMA8	X	.000384	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	.009	6.5
2	MP GAMMA6	Y	.009	1.5
3	MP GAMMA6	X	.015	6.5
4	MP GAMMA6	X	.015	1.5
5	MP GAMMA3	Y	.009	6.5
6	MP GAMMA3	Y	.009	1.5
7	MP GAMMA3	X	.016	6.5
8	MP GAMMA3	X	.016	1.5
9	MP GAMMA1	Y	.003	4.5
10	MP GAMMA1	Y	.003	1.5
11	MP GAMMA1	X	.005	4.5
12	MP GAMMA1	X	.005	1.5
13	MP GAMMA5	Y	.003	3
14	MP GAMMA5	X	.005	3
15	MP GAMMA2	Y	.003	3
16	MP GAMMA2	X	.005	3
17	MP GAMMA5	Y	.003	3
18	MP GAMMA5	X	.005	3
19	MP GAMMA1	Y	.002	3
20	MP GAMMA1	X	.004	3
21	MP ALPHA3	Y	.002	3
22	MP ALPHA3	X	.003	3
23	MP BETA2	Y	.002	3
24	MP BETA2	X	.003	3
25	MP GAMMA2	Y	.002	3
26	MP GAMMA2	X	.003	3
27	MP ALPHA6	Y	.005	6.5
28	MP ALPHA6	Y	.005	1.5
29	MP ALPHA6	X	.008	6.5
30	MP ALPHA6	X	.008	1.5
31	MP ALPHA4	Y	.005	6.5
32	MP ALPHA4	Y	.005	1.5
33	MP ALPHA4	X	.008	6.5
34	MP ALPHA4	X	.008	1.5
35	MP ALPHA1	Y	.002	4.5
36	MP ALPHA1	Y	.002	1.5
37	MP ALPHA1	X	.003	4.5
38	MP ALPHA1	X	.003	1.5
39	MP ALPHA5	Y	.002	3
40	MP ALPHA5	X	.004	3
41	MP ALPHA3	Y	.002	3
42	MP ALPHA3	X	.003	3
43	MP ALPHA5	Y	.002	3
44	MP ALPHA5	X	.004	3
45	MP ALPHA1	Y	.002	3
46	MP ALPHA1	X	.003	3
47	MP BETA5	Y	.005	6.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
48	MP BETA5	Y	.005	1.5
49	MP BETA5	X	.008	6.5
50	MP BETA5	X	.008	1.5
51	MP BETA3	Y	.005	6.5
52	MP BETA3	Y	.005	1.5
53	MP BETA3	X	.008	6.5
54	MP BETA3	X	.008	1.5
55	MP BETA1	Y	.002	4.5
56	MP BETA1	Y	.002	1.5
57	MP BETA1	X	.003	4.5
58	MP BETA1	X	.003	1.5
59	MP BETA4	Y	.002	3
60	MP BETA4	X	.004	3
61	MP BETA2	Y	.002	3
62	MP BETA2	X	.003	3
63	MP BETA4	Y	.002	3
64	MP BETA4	X	.004	3
65	MP BETA1	Y	.002	3
66	MP BETA1	X	.003	3
67	MP GAMMA8	Y	.000373	11
68	MP GAMMA8	X	.000647	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	X	.015	6.5
2	MP GAMMA6	X	.015	1.5
3	MP GAMMA3	X	.015	6.5
4	MP GAMMA3	X	.015	1.5
5	MP GAMMA1	X	.005	4.5
6	MP GAMMA1	X	.005	1.5
7	MP GAMMA5	X	.005	3
8	MP GAMMA2	X	.005	3
9	MP GAMMA5	X	.005	3
10	MP GAMMA1	X	.004	3
11	MP ALPHA3	X	.003	3
12	MP BETA2	X	.003	3
13	MP GAMMA2	X	.003	3
14	MP ALPHA6	X	.007	6.5
15	MP ALPHA6	X	.007	1.5
16	MP ALPHA4	X	.007	6.5
17	MP ALPHA4	X	.007	1.5
18	MP ALPHA1	X	.003	4.5
19	MP ALPHA1	X	.003	1.5
20	MP ALPHA5	X	.004	3
21	MP ALPHA3	X	.003	3
22	MP ALPHA5	X	.004	3
23	MP ALPHA1	X	.003	3
24	MP BETA5	X	.015	6.5
25	MP BETA5	X	.015	1.5
26	MP BETA3	X	.015	6.5
27	MP BETA3	X	.015	1.5
28	MP BETA1	X	.005	4.5
29	MP BETA1	X	.005	1.5
30	MP BETA4	X	.005	3
31	MP BETA2	X	.005	3
32	MP BETA4	X	.005	3

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
33	MP BETA1	X	.004	3
34	MP GAMMA8	X	.000768	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.005	6.5
2	MP GAMMA6	Y	-.005	1.5
3	MP GAMMA6	X	.008	6.5
4	MP GAMMA6	X	.008	1.5
5	MP GAMMA3	Y	-.005	6.5
6	MP GAMMA3	Y	-.005	1.5
7	MP GAMMA3	X	.008	6.5
8	MP GAMMA3	X	.008	1.5
9	MP GAMMA1	Y	-.002	4.5
10	MP GAMMA1	Y	-.002	1.5
11	MP GAMMA1	X	.003	4.5
12	MP GAMMA1	X	.003	1.5
13	MP GAMMA5	Y	-.002	3
14	MP GAMMA5	X	.004	3
15	MP GAMMA2	Y	-.002	3
16	MP GAMMA2	X	.003	3
17	MP GAMMA5	Y	-.002	3
18	MP GAMMA5	X	.004	3
19	MP GAMMA1	Y	-.002	3
20	MP GAMMA1	X	.003	3
21	MP ALPHA3	Y	-.002	3
22	MP ALPHA3	X	.003	3
23	MP BETA2	Y	-.002	3
24	MP BETA2	X	.003	3
25	MP GAMMA2	Y	-.002	3
26	MP GAMMA2	X	.003	3
27	MP ALPHA6	Y	-.005	6.5
28	MP ALPHA6	Y	-.005	1.5
29	MP ALPHA6	X	.008	6.5
30	MP ALPHA6	X	.008	1.5
31	MP ALPHA4	Y	-.005	6.5
32	MP ALPHA4	Y	-.005	1.5
33	MP ALPHA4	X	.008	6.5
34	MP ALPHA4	X	.008	1.5
35	MP ALPHA1	Y	-.002	4.5
36	MP ALPHA1	Y	-.002	1.5
37	MP ALPHA1	X	.003	4.5
38	MP ALPHA1	X	.003	1.5
39	MP ALPHA5	Y	-.002	3
40	MP ALPHA5	X	.004	3
41	MP ALPHA3	Y	-.002	3
42	MP ALPHA3	X	.003	3
43	MP ALPHA5	Y	-.002	3
44	MP ALPHA5	X	.004	3
45	MP ALPHA1	Y	-.002	3
46	MP ALPHA1	X	.003	3
47	MP BETA5	Y	-.009	6.5
48	MP BETA5	Y	-.009	1.5
49	MP BETA5	X	.015	6.5
50	MP BETA5	X	.015	1.5
51	MP BETA3	Y	-.009	6.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
52	MP BETA3	Y	-.009	1.5
53	MP BETA3	X	.016	6.5
54	MP BETA3	X	.016	1.5
55	MP BETA1	Y	-.003	4.5
56	MP BETA1	Y	-.003	1.5
57	MP BETA1	X	.005	4.5
58	MP BETA1	X	.005	1.5
59	MP BETA4	Y	-.003	3
60	MP BETA4	X	.005	3
61	MP BETA2	Y	-.003	3
62	MP BETA2	X	.005	3
63	MP BETA4	Y	-.003	3
64	MP BETA4	X	.005	3
65	MP BETA1	Y	-.002	3
66	MP BETA1	X	.004	3
67	MP GAMMA8	Y	-.000404	11
68	MP GAMMA8	X	.000701	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.006	6.5
2	MP GAMMA6	Y	-.006	1.5
3	MP GAMMA6	X	.003	6.5
4	MP GAMMA6	X	.003	1.5
5	MP GAMMA3	Y	-.006	6.5
6	MP GAMMA3	Y	-.006	1.5
7	MP GAMMA3	X	.003	6.5
8	MP GAMMA3	X	.003	1.5
9	MP GAMMA1	Y	-.003	4.5
10	MP GAMMA1	Y	-.003	1.5
11	MP GAMMA1	X	.002	4.5
12	MP GAMMA1	X	.002	1.5
13	MP GAMMA5	Y	-.003	3
14	MP GAMMA5	X	.002	3
15	MP GAMMA2	Y	-.003	3
16	MP GAMMA2	X	.002	3
17	MP GAMMA5	Y	-.004	3
18	MP GAMMA5	X	.002	3
19	MP GAMMA1	Y	-.003	3
20	MP GAMMA1	X	.002	3
21	MP ALPHA3	Y	-.003	3
22	MP ALPHA3	X	.002	3
23	MP BETA2	Y	-.003	3
24	MP BETA2	X	.002	3
25	MP GAMMA2	Y	-.003	3
26	MP GAMMA2	X	.002	3
27	MP ALPHA6	Y	-.013	6.5
28	MP ALPHA6	Y	-.013	1.5
29	MP ALPHA6	X	.007	6.5
30	MP ALPHA6	X	.007	1.5
31	MP ALPHA4	Y	-.013	6.5
32	MP ALPHA4	Y	-.013	1.5
33	MP ALPHA4	X	.008	6.5
34	MP ALPHA4	X	.008	1.5
35	MP ALPHA1	Y	-.004	4.5
36	MP ALPHA1	Y	-.004	1.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
37	MP ALPHA1	X	.002	4.5
38	MP ALPHA1	X	.002	1.5
39	MP ALPHA5	Y	-.004	3
40	MP ALPHA5	X	.002	3
41	MP ALPHA3	Y	-.004	3
42	MP ALPHA3	X	.002	3
43	MP ALPHA5	Y	-.004	3
44	MP ALPHA5	X	.003	3
45	MP ALPHA1	Y	-.003	3
46	MP ALPHA1	X	.002	3
47	MP BETA5	Y	-.013	6.5
48	MP BETA5	Y	-.013	1.5
49	MP BETA5	X	.007	6.5
50	MP BETA5	X	.007	1.5
51	MP BETA3	Y	-.013	6.5
52	MP BETA3	Y	-.013	1.5
53	MP BETA3	X	.008	6.5
54	MP BETA3	X	.008	1.5
55	MP BETA1	Y	-.004	4.5
56	MP BETA1	Y	-.004	1.5
57	MP BETA1	X	.002	4.5
58	MP BETA1	X	.002	1.5
59	MP BETA4	Y	-.004	3
60	MP BETA4	X	.002	3
61	MP BETA2	Y	-.004	3
62	MP BETA2	X	.002	3
63	MP BETA4	Y	-.004	3
64	MP BETA4	X	.003	3
65	MP BETA1	Y	-.003	3
66	MP BETA1	X	.002	3
67	MP GAMMA8	Y	-.000719	11
68	MP GAMMA8	X	.000415	11

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Z	-.091	6.5
2	MP GAMMA6	Z	-.091	1.5
3	MP GAMMA3	Z	-.092	6.5
4	MP GAMMA3	Z	-.092	1.5
5	MP GAMMA1	Z	-.042	4.5
6	MP GAMMA1	Z	-.042	1.5
7	MP GAMMA5	Z	-.047	3
8	MP GAMMA2	Z	-.045	3
9	MP GAMMA5	Z	-.052	3
10	MP GAMMA1	Z	-.041	3
11	MP ALPHA3	Z	-.066	3
12	MP BETA2	Z	-.071	3
13	MP GAMMA2	Z	-.071	3
14	MP ALPHA6	Z	-.091	6.5
15	MP ALPHA6	Z	-.091	1.5
16	MP ALPHA4	Z	-.092	6.5
17	MP ALPHA4	Z	-.092	1.5
18	MP ALPHA1	Z	-.042	4.5
19	MP ALPHA1	Z	-.042	1.5
20	MP ALPHA5	Z	-.047	3
21	MP ALPHA3	Z	-.045	3

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
22	MP ALPHA5	Z	-.052	3
23	MP ALPHA1	Z	-.041	3
24	MP BETA5	Z	-.091	6.5
25	MP BETA5	Z	-.091	1.5
26	MP BETA3	Z	-.092	6.5
27	MP BETA3	Z	-.092	1.5
28	MP BETA1	Z	-.042	4.5
29	MP BETA1	Z	-.042	1.5
30	MP BETA4	Z	-.047	3
31	MP BETA2	Z	-.045	3
32	MP BETA4	Z	-.052	3
33	MP BETA1	Z	-.041	3
34	MP GAMMA8	Z	-.016	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.029	6.5
2	MP GAMMA6	Y	-.029	1.5
3	MP GAMMA3	Y	-.03	6.5
4	MP GAMMA3	Y	-.03	1.5
5	MP GAMMA1	Y	-.013	4.5
6	MP GAMMA1	Y	-.013	1.5
7	MP GAMMA5	Y	-.009	3
8	MP GAMMA2	Y	-.009	3
9	MP GAMMA5	Y	-.01	3
10	MP GAMMA1	Y	-.01	3
11	MP ALPHA3	Y	-.015	3
12	MP BETA2	Y	-.016	3
13	MP GAMMA2	Y	-.016	3
14	MP ALPHA6	Y	-.05	6.5
15	MP ALPHA6	Y	-.05	1.5
16	MP ALPHA4	Y	-.051	6.5
17	MP ALPHA4	Y	-.051	1.5
18	MP ALPHA1	Y	-.018	4.5
19	MP ALPHA1	Y	-.018	1.5
20	MP ALPHA5	Y	-.011	3
21	MP ALPHA3	Y	-.012	3
22	MP ALPHA5	Y	-.011	3
23	MP ALPHA1	Y	-.011	3
24	MP BETA5	Y	-.029	6.5
25	MP BETA5	Y	-.029	1.5
26	MP BETA3	Y	-.03	6.5
27	MP BETA3	Y	-.03	1.5
28	MP BETA1	Y	-.013	4.5
29	MP BETA1	Y	-.013	1.5
30	MP BETA4	Y	-.009	3
31	MP BETA2	Y	-.009	3
32	MP BETA4	Y	-.01	3
33	MP BETA1	Y	-.01	3
34	MP GAMMA8	Y	-.005	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.037	6.5
2	MP GAMMA6	Y	-.037	1.5
3	MP GAMMA6	X	-.022	6.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
4	MP GAMMA6	X	-.022	1.5
5	MP GAMMA3	Y	-.038	6.5
6	MP GAMMA3	Y	-.038	1.5
7	MP GAMMA3	X	-.022	6.5
8	MP GAMMA3	X	-.022	1.5
9	MP GAMMA1	Y	-.014	4.5
10	MP GAMMA1	Y	-.014	1.5
11	MP GAMMA1	X	-.008	4.5
12	MP GAMMA1	X	-.008	1.5
13	MP GAMMA5	Y	-.009	3
14	MP GAMMA5	X	-.005	3
15	MP GAMMA2	Y	-.009	3
16	MP GAMMA2	X	-.005	3
17	MP GAMMA5	Y	-.009	3
18	MP GAMMA5	X	-.005	3
19	MP GAMMA1	Y	-.009	3
20	MP GAMMA1	X	-.005	3
21	MP ALPHA3	Y	-.013	3
22	MP ALPHA3	X	-.008	3
23	MP BETA2	Y	-.014	3
24	MP BETA2	X	-.008	3
25	MP GAMMA2	Y	-.014	3
26	MP GAMMA2	X	-.008	3
27	MP ALPHA6	Y	-.037	6.5
28	MP ALPHA6	Y	-.037	1.5
29	MP ALPHA6	X	-.022	6.5
30	MP ALPHA6	X	-.022	1.5
31	MP ALPHA4	Y	-.038	6.5
32	MP ALPHA4	Y	-.038	1.5
33	MP ALPHA4	X	-.022	6.5
34	MP ALPHA4	X	-.022	1.5
35	MP ALPHA1	Y	-.014	4.5
36	MP ALPHA1	Y	-.014	1.5
37	MP ALPHA1	X	-.008	4.5
38	MP ALPHA1	X	-.008	1.5
39	MP ALPHA5	Y	-.009	3
40	MP ALPHA5	X	-.005	3
41	MP ALPHA3	Y	-.009	3
42	MP ALPHA3	X	-.005	3
43	MP ALPHA5	Y	-.009	3
44	MP ALPHA5	X	-.005	3
45	MP ALPHA1	Y	-.009	3
46	MP ALPHA1	X	-.005	3
47	MP BETA5	Y	-.019	6.5
48	MP BETA5	Y	-.019	1.5
49	MP BETA5	X	-.011	6.5
50	MP BETA5	X	-.011	1.5
51	MP BETA3	Y	-.019	6.5
52	MP BETA3	Y	-.019	1.5
53	MP BETA3	X	-.011	6.5
54	MP BETA3	X	-.011	1.5
55	MP BETA1	Y	-.01	4.5
56	MP BETA1	Y	-.01	1.5
57	MP BETA1	X	-.006	4.5
58	MP BETA1	X	-.006	1.5
59	MP BETA4	Y	-.007	3
60	MP BETA4	X	-.004	3

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
61	MP BETA2	Y	-.007	3
62	MP BETA2	X	-.004	3
63	MP BETA4	Y	-.009	3
64	MP BETA4	X	-.005	3
65	MP BETA1	Y	-.008	3
66	MP BETA1	X	-.005	3
67	MP GAMMA8	Y	-.004	11
68	MP GAMMA8	X	-.003	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.025	6.5
2	MP GAMMA6	Y	-.025	1.5
3	MP GAMMA6	X	-.044	6.5
4	MP GAMMA6	X	-.044	1.5
5	MP GAMMA3	Y	-.026	6.5
6	MP GAMMA3	Y	-.026	1.5
7	MP GAMMA3	X	-.044	6.5
8	MP GAMMA3	X	-.044	1.5
9	MP GAMMA1	Y	-.009	4.5
10	MP GAMMA1	Y	-.009	1.5
11	MP GAMMA1	X	-.015	4.5
12	MP GAMMA1	X	-.015	1.5
13	MP GAMMA5	Y	-.006	3
14	MP GAMMA5	X	-.01	3
15	MP GAMMA2	Y	-.006	3
16	MP GAMMA2	X	-.01	3
17	MP GAMMA5	Y	-.006	3
18	MP GAMMA5	X	-.01	3
19	MP GAMMA1	Y	-.005	3
20	MP GAMMA1	X	-.009	3
21	MP ALPHA3	Y	-.008	3
22	MP ALPHA3	X	-.013	3
23	MP BETA2	Y	-.008	3
24	MP BETA2	X	-.014	3
25	MP GAMMA2	Y	-.008	3
26	MP GAMMA2	X	-.014	3
27	MP ALPHA6	Y	-.015	6.5
28	MP ALPHA6	Y	-.015	1.5
29	MP ALPHA6	X	-.025	6.5
30	MP ALPHA6	X	-.025	1.5
31	MP ALPHA4	Y	-.015	6.5
32	MP ALPHA4	Y	-.015	1.5
33	MP ALPHA4	X	-.026	6.5
34	MP ALPHA4	X	-.026	1.5
35	MP ALPHA1	Y	-.007	4.5
36	MP ALPHA1	Y	-.007	1.5
37	MP ALPHA1	X	-.011	4.5
38	MP ALPHA1	X	-.011	1.5
39	MP ALPHA5	Y	-.005	3
40	MP ALPHA5	X	-.008	3
41	MP ALPHA3	Y	-.004	3
42	MP ALPHA3	X	-.008	3
43	MP ALPHA5	Y	-.005	3
44	MP ALPHA5	X	-.009	3
45	MP ALPHA1	Y	-.005	3

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
46	MP ALPHA1	X	-.008	3
47	MP BETA5	Y	-.015	6.5
48	MP BETA5	Y	-.015	1.5
49	MP BETA5	X	-.025	6.5
50	MP BETA5	X	-.025	1.5
51	MP BETA3	Y	-.015	6.5
52	MP BETA3	Y	-.015	1.5
53	MP BETA3	X	-.026	6.5
54	MP BETA3	X	-.026	1.5
55	MP BETA1	Y	-.007	4.5
56	MP BETA1	Y	-.007	1.5
57	MP BETA1	X	-.011	4.5
58	MP BETA1	X	-.011	1.5
59	MP BETA4	Y	-.005	3
60	MP BETA4	X	-.008	3
61	MP BETA2	Y	-.004	3
62	MP BETA2	X	-.008	3
63	MP BETA4	Y	-.005	3
64	MP BETA4	X	-.009	3
65	MP BETA1	Y	-.005	3
66	MP BETA1	X	-.008	3
67	MP GAMMA8	Y	-.003	11
68	MP GAMMA8	X	-.004	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	X	-.043	6.5
2	MP GAMMA6	X	-.043	1.5
3	MP GAMMA3	X	-.044	6.5
4	MP GAMMA3	X	-.044	1.5
5	MP GAMMA1	X	-.016	4.5
6	MP GAMMA1	X	-.016	1.5
7	MP GAMMA5	X	-.011	3
8	MP GAMMA2	X	-.011	3
9	MP GAMMA5	X	-.011	3
10	MP GAMMA1	X	-.01	3
11	MP ALPHA3	X	-.015	3
12	MP BETA2	X	-.016	3
13	MP GAMMA2	X	-.016	3
14	MP ALPHA6	X	-.022	6.5
15	MP ALPHA6	X	-.022	1.5
16	MP ALPHA4	X	-.022	6.5
17	MP ALPHA4	X	-.022	1.5
18	MP ALPHA1	X	-.012	4.5
19	MP ALPHA1	X	-.012	1.5
20	MP ALPHA5	X	-.009	3
21	MP ALPHA3	X	-.008	3
22	MP ALPHA5	X	-.01	3
23	MP ALPHA1	X	-.009	3
24	MP BETA5	X	-.043	6.5
25	MP BETA5	X	-.043	1.5
26	MP BETA3	X	-.044	6.5
27	MP BETA3	X	-.044	1.5
28	MP BETA1	X	-.016	4.5
29	MP BETA1	X	-.016	1.5
30	MP BETA4	X	-.011	3

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
31	MP BETA2	X	-.011	3
32	MP BETA4	X	-.011	3
33	MP BETA1	X	-.01	3
34	MP GAMMA8	X	-.005	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	.015	6.5
2	MP GAMMA6	Y	.015	1.5
3	MP GAMMA6	X	-.025	6.5
4	MP GAMMA6	X	-.025	1.5
5	MP GAMMA3	Y	.015	6.5
6	MP GAMMA3	Y	.015	1.5
7	MP GAMMA3	X	-.026	6.5
8	MP GAMMA3	X	-.026	1.5
9	MP GAMMA1	Y	.007	4.5
10	MP GAMMA1	Y	.007	1.5
11	MP GAMMA1	X	-.011	4.5
12	MP GAMMA1	X	-.011	1.5
13	MP GAMMA5	Y	.005	3
14	MP GAMMA5	X	-.008	3
15	MP GAMMA2	Y	.004	3
16	MP GAMMA2	X	-.008	3
17	MP GAMMA5	Y	.005	3
18	MP GAMMA5	X	-.009	3
19	MP GAMMA1	Y	.005	3
20	MP GAMMA1	X	-.008	3
21	MP ALPHA3	Y	.008	3
22	MP ALPHA3	X	-.013	3
23	MP BETA2	Y	.008	3
24	MP BETA2	X	-.014	3
25	MP GAMMA2	Y	.008	3
26	MP GAMMA2	X	-.014	3
27	MP ALPHA6	Y	.015	6.5
28	MP ALPHA6	Y	.015	1.5
29	MP ALPHA6	X	-.025	6.5
30	MP ALPHA6	X	-.025	1.5
31	MP ALPHA4	Y	.015	6.5
32	MP ALPHA4	Y	.015	1.5
33	MP ALPHA4	X	-.026	6.5
34	MP ALPHA4	X	-.026	1.5
35	MP ALPHA1	Y	.007	4.5
36	MP ALPHA1	Y	.007	1.5
37	MP ALPHA1	X	-.011	4.5
38	MP ALPHA1	X	-.011	1.5
39	MP ALPHA5	Y	.005	3
40	MP ALPHA5	X	-.008	3
41	MP ALPHA3	Y	.004	3
42	MP ALPHA3	X	-.008	3
43	MP ALPHA5	Y	.005	3
44	MP ALPHA5	X	-.009	3
45	MP ALPHA1	Y	.005	3
46	MP ALPHA1	X	-.008	3
47	MP BETA5	Y	.025	6.5
48	MP BETA5	Y	.025	1.5
49	MP BETA5	X	-.044	6.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
50	MP BETA5	X	-.044	1.5
51	MP BETA3	Y	.026	6.5
52	MP BETA3	Y	.026	1.5
53	MP BETA3	X	-.044	6.5
54	MP BETA3	X	-.044	1.5
55	MP BETA1	Y	.009	4.5
56	MP BETA1	Y	.009	1.5
57	MP BETA1	X	-.015	4.5
58	MP BETA1	X	-.015	1.5
59	MP BETA4	Y	.006	3
60	MP BETA4	X	-.01	3
61	MP BETA2	Y	.006	3
62	MP BETA2	X	-.01	3
63	MP BETA4	Y	.006	3
64	MP BETA4	X	-.01	3
65	MP BETA1	Y	.005	3
66	MP BETA1	X	-.009	3
67	MP GAMMA8	Y	.003	11
68	MP GAMMA8	X	-.004	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	.019	6.5
2	MP GAMMA6	Y	.019	1.5
3	MP GAMMA6	X	-.011	6.5
4	MP GAMMA6	X	-.011	1.5
5	MP GAMMA3	Y	.019	6.5
6	MP GAMMA3	Y	.019	1.5
7	MP GAMMA3	X	-.011	6.5
8	MP GAMMA3	X	-.011	1.5
9	MP GAMMA1	Y	.01	4.5
10	MP GAMMA1	Y	.01	1.5
11	MP GAMMA1	X	-.006	4.5
12	MP GAMMA1	X	-.006	1.5
13	MP GAMMA5	Y	.007	3
14	MP GAMMA5	X	-.004	3
15	MP GAMMA2	Y	.007	3
16	MP GAMMA2	X	-.004	3
17	MP GAMMA5	Y	.009	3
18	MP GAMMA5	X	-.005	3
19	MP GAMMA1	Y	.008	3
20	MP GAMMA1	X	-.005	3
21	MP ALPHA3	Y	.013	3
22	MP ALPHA3	X	-.008	3
23	MP BETA2	Y	.014	3
24	MP BETA2	X	-.008	3
25	MP GAMMA2	Y	.014	3
26	MP GAMMA2	X	-.008	3
27	MP ALPHA6	Y	.037	6.5
28	MP ALPHA6	Y	.037	1.5
29	MP ALPHA6	X	-.022	6.5
30	MP ALPHA6	X	-.022	1.5
31	MP ALPHA4	Y	.038	6.5
32	MP ALPHA4	Y	.038	1.5
33	MP ALPHA4	X	-.022	6.5
34	MP ALPHA4	X	-.022	1.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
35	MP ALPHA1	Y	.014	4.5
36	MP ALPHA1	Y	.014	1.5
37	MP ALPHA1	X	-.008	4.5
38	MP ALPHA1	X	-.008	1.5
39	MP ALPHA5	Y	.009	3
40	MP ALPHA5	X	-.005	3
41	MP ALPHA3	Y	.009	3
42	MP ALPHA3	X	-.005	3
43	MP ALPHA5	Y	.009	3
44	MP ALPHA5	X	-.005	3
45	MP ALPHA1	Y	.009	3
46	MP ALPHA1	X	-.005	3
47	MP BETA5	Y	.037	6.5
48	MP BETA5	Y	.037	1.5
49	MP BETA5	X	-.022	6.5
50	MP BETA5	X	-.022	1.5
51	MP BETA3	Y	.038	6.5
52	MP BETA3	Y	.038	1.5
53	MP BETA3	X	-.022	6.5
54	MP BETA3	X	-.022	1.5
55	MP BETA1	Y	.014	4.5
56	MP BETA1	Y	.014	1.5
57	MP BETA1	X	-.008	4.5
58	MP BETA1	X	-.008	1.5
59	MP BETA4	Y	.009	3
60	MP BETA4	X	-.005	3
61	MP BETA2	Y	.009	3
62	MP BETA2	X	-.005	3
63	MP BETA4	Y	.009	3
64	MP BETA4	X	-.005	3
65	MP BETA1	Y	.009	3
66	MP BETA1	X	-.005	3
67	MP GAMMA8	Y	.004	11
68	MP GAMMA8	X	-.003	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	.029	6.5
2	MP GAMMA6	Y	.029	1.5
3	MP GAMMA3	Y	.03	6.5
4	MP GAMMA3	Y	.03	1.5
5	MP GAMMA1	Y	.013	4.5
6	MP GAMMA1	Y	.013	1.5
7	MP GAMMA5	Y	.009	3
8	MP GAMMA2	Y	.009	3
9	MP GAMMA5	Y	.01	3
10	MP GAMMA1	Y	.01	3
11	MP ALPHA3	Y	.015	3
12	MP BETA2	Y	.016	3
13	MP GAMMA2	Y	.016	3
14	MP ALPHA6	Y	.05	6.5
15	MP ALPHA6	Y	.05	1.5
16	MP ALPHA4	Y	.051	6.5
17	MP ALPHA4	Y	.051	1.5
18	MP ALPHA1	Y	.018	4.5
19	MP ALPHA1	Y	.018	1.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
20	MP ALPHA5	Y	.011	3
21	MP ALPHA3	Y	.012	3
22	MP ALPHA5	Y	.011	3
23	MP ALPHA1	Y	.011	3
24	MP BETA5	Y	.029	6.5
25	MP BETA5	Y	.029	1.5
26	MP BETA3	Y	.03	6.5
27	MP BETA3	Y	.03	1.5
28	MP BETA1	Y	.013	4.5
29	MP BETA1	Y	.013	1.5
30	MP BETA4	Y	.009	3
31	MP BETA2	Y	.009	3
32	MP BETA4	Y	.01	3
33	MP BETA1	Y	.01	3
34	MP GAMMA8	Y	.005	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	.037	6.5
2	MP GAMMA6	Y	.037	1.5
3	MP GAMMA6	X	.022	6.5
4	MP GAMMA6	X	.022	1.5
5	MP GAMMA3	Y	.038	6.5
6	MP GAMMA3	Y	.038	1.5
7	MP GAMMA3	X	.022	6.5
8	MP GAMMA3	X	.022	1.5
9	MP GAMMA1	Y	.014	4.5
10	MP GAMMA1	Y	.014	1.5
11	MP GAMMA1	X	.008	4.5
12	MP GAMMA1	X	.008	1.5
13	MP GAMMA5	Y	.009	3
14	MP GAMMA5	X	.005	3
15	MP GAMMA2	Y	.009	3
16	MP GAMMA2	X	.005	3
17	MP GAMMA5	Y	.009	3
18	MP GAMMA5	X	.005	3
19	MP GAMMA1	Y	.009	3
20	MP GAMMA1	X	.005	3
21	MP ALPHA3	Y	.013	3
22	MP ALPHA3	X	.008	3
23	MP BETA2	Y	.014	3
24	MP BETA2	X	.008	3
25	MP GAMMA2	Y	.014	3
26	MP GAMMA2	X	.008	3
27	MP ALPHA6	Y	.037	6.5
28	MP ALPHA6	Y	.037	1.5
29	MP ALPHA6	X	.022	6.5
30	MP ALPHA6	X	.022	1.5
31	MP ALPHA4	Y	.038	6.5
32	MP ALPHA4	Y	.038	1.5
33	MP ALPHA4	X	.022	6.5
34	MP ALPHA4	X	.022	1.5
35	MP ALPHA1	Y	.014	4.5
36	MP ALPHA1	Y	.014	1.5
37	MP ALPHA1	X	.008	4.5
38	MP ALPHA1	X	.008	1.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
39	MP ALPHA5	Y	.009	3
40	MP ALPHA5	X	.005	3
41	MP ALPHA3	Y	.009	3
42	MP ALPHA3	X	.005	3
43	MP ALPHA5	Y	.009	3
44	MP ALPHA5	X	.005	3
45	MP ALPHA1	Y	.009	3
46	MP ALPHA1	X	.005	3
47	MP BETA5	Y	.019	6.5
48	MP BETA5	Y	.019	1.5
49	MP BETA5	X	.011	6.5
50	MP BETA5	X	.011	1.5
51	MP BETA3	Y	.019	6.5
52	MP BETA3	Y	.019	1.5
53	MP BETA3	X	.011	6.5
54	MP BETA3	X	.011	1.5
55	MP BETA1	Y	.01	4.5
56	MP BETA1	Y	.01	1.5
57	MP BETA1	X	.006	4.5
58	MP BETA1	X	.006	1.5
59	MP BETA4	Y	.007	3
60	MP BETA4	X	.004	3
61	MP BETA2	Y	.007	3
62	MP BETA2	X	.004	3
63	MP BETA4	Y	.009	3
64	MP BETA4	X	.005	3
65	MP BETA1	Y	.008	3
66	MP BETA1	X	.005	3
67	MP GAMMA8	Y	.004	11
68	MP GAMMA8	X	.003	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	.025	6.5
2	MP GAMMA6	Y	.025	1.5
3	MP GAMMA6	X	.044	6.5
4	MP GAMMA6	X	.044	1.5
5	MP GAMMA3	Y	.026	6.5
6	MP GAMMA3	Y	.026	1.5
7	MP GAMMA3	X	.044	6.5
8	MP GAMMA3	X	.044	1.5
9	MP GAMMA1	Y	.009	4.5
10	MP GAMMA1	Y	.009	1.5
11	MP GAMMA1	X	.015	4.5
12	MP GAMMA1	X	.015	1.5
13	MP GAMMA5	Y	.006	3
14	MP GAMMA5	X	.01	3
15	MP GAMMA2	Y	.006	3
16	MP GAMMA2	X	.01	3
17	MP GAMMA5	Y	.006	3
18	MP GAMMA5	X	.01	3
19	MP GAMMA1	Y	.005	3
20	MP GAMMA1	X	.009	3
21	MP ALPHA3	Y	.008	3
22	MP ALPHA3	X	.013	3
23	MP BETA2	Y	.008	3

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
24	MP BETA2	X	.014	3
25	MP GAMMA2	Y	.008	3
26	MP GAMMA2	X	.014	3
27	MP ALPHA6	Y	.015	6.5
28	MP ALPHA6	Y	.015	1.5
29	MP ALPHA6	X	.025	6.5
30	MP ALPHA6	X	.025	1.5
31	MP ALPHA4	Y	.015	6.5
32	MP ALPHA4	Y	.015	1.5
33	MP ALPHA4	X	.026	6.5
34	MP ALPHA4	X	.026	1.5
35	MP ALPHA1	Y	.007	4.5
36	MP ALPHA1	Y	.007	1.5
37	MP ALPHA1	X	.011	4.5
38	MP ALPHA1	X	.011	1.5
39	MP ALPHA5	Y	.005	3
40	MP ALPHA5	X	.008	3
41	MP ALPHA3	Y	.004	3
42	MP ALPHA3	X	.008	3
43	MP ALPHA5	Y	.005	3
44	MP ALPHA5	X	.009	3
45	MP ALPHA1	Y	.005	3
46	MP ALPHA1	X	.008	3
47	MP BETA5	Y	.015	6.5
48	MP BETA5	Y	.015	1.5
49	MP BETA5	X	.025	6.5
50	MP BETA5	X	.025	1.5
51	MP BETA3	Y	.015	6.5
52	MP BETA3	Y	.015	1.5
53	MP BETA3	X	.026	6.5
54	MP BETA3	X	.026	1.5
55	MP BETA1	Y	.007	4.5
56	MP BETA1	Y	.007	1.5
57	MP BETA1	X	.011	4.5
58	MP BETA1	X	.011	1.5
59	MP BETA4	Y	.005	3
60	MP BETA4	X	.008	3
61	MP BETA2	Y	.004	3
62	MP BETA2	X	.008	3
63	MP BETA4	Y	.005	3
64	MP BETA4	X	.009	3
65	MP BETA1	Y	.005	3
66	MP BETA1	X	.008	3
67	MP GAMMA8	Y	.003	11
68	MP GAMMA8	X	.004	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	X	.043	6.5
2	MP GAMMA6	X	.043	1.5
3	MP GAMMA3	X	.044	6.5
4	MP GAMMA3	X	.044	1.5
5	MP GAMMA1	X	.016	4.5
6	MP GAMMA1	X	.016	1.5
7	MP GAMMA5	X	.011	3
8	MP GAMMA2	X	.011	3

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
9	MP GAMMA5	X	.011	3
10	MP GAMMA1	X	.01	3
11	MP ALPHA3	X	.015	3
12	MP BETA2	X	.016	3
13	MP GAMMA2	X	.016	3
14	MP ALPHA6	X	.022	6.5
15	MP ALPHA6	X	.022	1.5
16	MP ALPHA4	X	.022	6.5
17	MP ALPHA4	X	.022	1.5
18	MP ALPHA1	X	.012	4.5
19	MP ALPHA1	X	.012	1.5
20	MP ALPHA5	X	.009	3
21	MP ALPHA3	X	.008	3
22	MP ALPHA5	X	.01	3
23	MP ALPHA1	X	.009	3
24	MP BETA5	X	.043	6.5
25	MP BETA5	X	.043	1.5
26	MP BETA3	X	.044	6.5
27	MP BETA3	X	.044	1.5
28	MP BETA1	X	.016	4.5
29	MP BETA1	X	.016	1.5
30	MP BETA4	X	.011	3
31	MP BETA2	X	.011	3
32	MP BETA4	X	.011	3
33	MP BETA1	X	.01	3
34	MP GAMMA8	X	.005	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.015	6.5
2	MP GAMMA6	Y	-.015	1.5
3	MP GAMMA6	X	.025	6.5
4	MP GAMMA6	X	.025	1.5
5	MP GAMMA3	Y	-.015	6.5
6	MP GAMMA3	Y	-.015	1.5
7	MP GAMMA3	X	.026	6.5
8	MP GAMMA3	X	.026	1.5
9	MP GAMMA1	Y	-.007	4.5
10	MP GAMMA1	Y	-.007	1.5
11	MP GAMMA1	X	.011	4.5
12	MP GAMMA1	X	.011	1.5
13	MP GAMMA5	Y	-.005	3
14	MP GAMMA5	X	.008	3
15	MP GAMMA2	Y	-.004	3
16	MP GAMMA2	X	.008	3
17	MP GAMMA5	Y	-.005	3
18	MP GAMMA5	X	.009	3
19	MP GAMMA1	Y	-.005	3
20	MP GAMMA1	X	.008	3
21	MP ALPHA3	Y	-.008	3
22	MP ALPHA3	X	.013	3
23	MP BETA2	Y	-.008	3
24	MP BETA2	X	.014	3
25	MP GAMMA2	Y	-.008	3
26	MP GAMMA2	X	.014	3
27	MP ALPHA6	Y	-.015	6.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
28	MP ALPHA6	Y	-.015	1.5
29	MP ALPHA6	X	.025	6.5
30	MP ALPHA6	X	.025	1.5
31	MP ALPHA4	Y	-.015	6.5
32	MP ALPHA4	Y	-.015	1.5
33	MP ALPHA4	X	.026	6.5
34	MP ALPHA4	X	.026	1.5
35	MP ALPHA1	Y	-.007	4.5
36	MP ALPHA1	Y	-.007	1.5
37	MP ALPHA1	X	.011	4.5
38	MP ALPHA1	X	.011	1.5
39	MP ALPHA5	Y	-.005	3
40	MP ALPHA5	X	.008	3
41	MP ALPHA3	Y	-.004	3
42	MP ALPHA3	X	.008	3
43	MP ALPHA5	Y	-.005	3
44	MP ALPHA5	X	.009	3
45	MP ALPHA1	Y	-.005	3
46	MP ALPHA1	X	.008	3
47	MP BETA5	Y	-.025	6.5
48	MP BETA5	Y	-.025	1.5
49	MP BETA5	X	.044	6.5
50	MP BETA5	X	.044	1.5
51	MP BETA3	Y	-.026	6.5
52	MP BETA3	Y	-.026	1.5
53	MP BETA3	X	.044	6.5
54	MP BETA3	X	.044	1.5
55	MP BETA1	Y	-.009	4.5
56	MP BETA1	Y	-.009	1.5
57	MP BETA1	X	.015	4.5
58	MP BETA1	X	.015	1.5
59	MP BETA4	Y	-.006	3
60	MP BETA4	X	.01	3
61	MP BETA2	Y	-.006	3
62	MP BETA2	X	.01	3
63	MP BETA4	Y	-.006	3
64	MP BETA4	X	.01	3
65	MP BETA1	Y	-.005	3
66	MP BETA1	X	.009	3
67	MP GAMMA8	Y	-.003	11
68	MP GAMMA8	X	.004	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Y	-.019	6.5
2	MP GAMMA6	Y	-.019	1.5
3	MP GAMMA6	X	.011	6.5
4	MP GAMMA6	X	.011	1.5
5	MP GAMMA3	Y	-.019	6.5
6	MP GAMMA3	Y	-.019	1.5
7	MP GAMMA3	X	.011	6.5
8	MP GAMMA3	X	.011	1.5
9	MP GAMMA1	Y	-.01	4.5
10	MP GAMMA1	Y	-.01	1.5
11	MP GAMMA1	X	.006	4.5
12	MP GAMMA1	X	.006	1.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
13	MP GAMMA5	Y	-.007	3
14	MP GAMMA5	X	.004	3
15	MP GAMMA2	Y	-.007	3
16	MP GAMMA2	X	.004	3
17	MP GAMMA5	Y	-.009	3
18	MP GAMMA5	X	.005	3
19	MP GAMMA1	Y	-.008	3
20	MP GAMMA1	X	.005	3
21	MP ALPHA3	Y	-.013	3
22	MP ALPHA3	X	.008	3
23	MP BETA2	Y	-.014	3
24	MP BETA2	X	.008	3
25	MP GAMMA2	Y	-.014	3
26	MP GAMMA2	X	.008	3
27	MP ALPHA6	Y	-.037	6.5
28	MP ALPHA6	Y	-.037	1.5
29	MP ALPHA6	X	.022	6.5
30	MP ALPHA6	X	.022	1.5
31	MP ALPHA4	Y	-.038	6.5
32	MP ALPHA4	Y	-.038	1.5
33	MP ALPHA4	X	.022	6.5
34	MP ALPHA4	X	.022	1.5
35	MP ALPHA1	Y	-.014	4.5
36	MP ALPHA1	Y	-.014	1.5
37	MP ALPHA1	X	.008	4.5
38	MP ALPHA1	X	.008	1.5
39	MP ALPHA5	Y	-.009	3
40	MP ALPHA5	X	.005	3
41	MP ALPHA3	Y	-.009	3
42	MP ALPHA3	X	.005	3
43	MP ALPHA5	Y	-.009	3
44	MP ALPHA5	X	.005	3
45	MP ALPHA1	Y	-.009	3
46	MP ALPHA1	X	.005	3
47	MP BETA5	Y	-.037	6.5
48	MP BETA5	Y	-.037	1.5
49	MP BETA5	X	.022	6.5
50	MP BETA5	X	.022	1.5
51	MP BETA3	Y	-.038	6.5
52	MP BETA3	Y	-.038	1.5
53	MP BETA3	X	.022	6.5
54	MP BETA3	X	.022	1.5
55	MP BETA1	Y	-.014	4.5
56	MP BETA1	Y	-.014	1.5
57	MP BETA1	X	.008	4.5
58	MP BETA1	X	.008	1.5
59	MP BETA4	Y	-.009	3
60	MP BETA4	X	.005	3
61	MP BETA2	Y	-.009	3
62	MP BETA2	X	.005	3
63	MP BETA4	Y	-.009	3
64	MP BETA4	X	.005	3
65	MP BETA1	Y	-.009	3
66	MP BETA1	X	.005	3
67	MP GAMMA8	Y	-.004	11
68	MP GAMMA8	X	.003	11

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP GAMMA6	X	-.005	6.5
2	MP GAMMA6	X	-.005	1.5
3	MP GAMMA3	X	-.003	6.5
4	MP GAMMA3	X	-.003	1.5
5	MP GAMMA1	X	-.003	4.5
6	MP GAMMA1	X	-.003	1.5
7	MP GAMMA5	X	-.007	3
8	MP GAMMA2	X	-.006	3
9	MP GAMMA5	X	-.008	3
10	MP GAMMA1	X	-.004	3
11	MP ALPHA3	X	-.003	3
12	MP BETA2	X	-.003	3
13	MP GAMMA2	X	-.003	3
14	MP ALPHA6	X	-.005	6.5
15	MP ALPHA6	X	-.005	1.5
16	MP ALPHA4	X	-.003	6.5
17	MP ALPHA4	X	-.003	1.5
18	MP ALPHA1	X	-.003	4.5
19	MP ALPHA1	X	-.003	1.5
20	MP ALPHA5	X	-.007	3
21	MP ALPHA3	X	-.006	3
22	MP ALPHA5	X	-.008	3
23	MP ALPHA1	X	-.004	3
24	MP BETA5	X	-.005	6.5
25	MP BETA5	X	-.005	1.5
26	MP BETA3	X	-.003	6.5
27	MP BETA3	X	-.003	1.5
28	MP BETA1	X	-.003	4.5
29	MP BETA1	X	-.003	1.5
30	MP BETA4	X	-.007	3
31	MP BETA2	X	-.006	3
32	MP BETA4	X	-.008	3
33	MP BETA1	X	-.004	3
34	MP GAMMA8	X	-.006	11

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP GAMMA6	Y	-.005	6.5
2	MP GAMMA6	Y	-.005	1.5
3	MP GAMMA3	Y	-.003	6.5
4	MP GAMMA3	Y	-.003	1.5
5	MP GAMMA1	Y	-.003	4.5
6	MP GAMMA1	Y	-.003	1.5
7	MP GAMMA5	Y	-.007	3
8	MP GAMMA2	Y	-.006	3
9	MP GAMMA5	Y	-.008	3
10	MP GAMMA1	Y	-.004	3
11	MP ALPHA3	Y	-.003	3
12	MP BETA2	Y	-.003	3
13	MP GAMMA2	Y	-.003	3
14	MP ALPHA6	Y	-.005	6.5
15	MP ALPHA6	Y	-.005	1.5
16	MP ALPHA4	Y	-.003	6.5
17	MP ALPHA4	Y	-.003	1.5
18	MP ALPHA1	Y	-.003	4.5
19	MP ALPHA1	Y	-.003	1.5

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
20	MP ALPHA5	Y	-0.007	3
21	MP ALPHA3	Y	-0.006	3
22	MP ALPHA5	Y	-0.008	3
23	MP ALPHA1	Y	-0.004	3
24	MP BETA5	Y	-0.005	6.5
25	MP BETA5	Y	-0.005	1.5
26	MP BETA3	Y	-0.003	6.5
27	MP BETA3	Y	-0.003	1.5
28	MP BETA1	Y	-0.003	4.5
29	MP BETA1	Y	-0.003	1.5
30	MP BETA4	Y	-0.007	3
31	MP BETA2	Y	-0.006	3
32	MP BETA4	Y	-0.008	3
33	MP BETA1	Y	-0.004	3
34	MP GAMMA8	Y	-0.006	11

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

	Member Label	Direction	Magnitude[k, k-ft]	Location[ft, %]
1	MP GAMMA6	Z	-0.002	6.5
2	MP GAMMA6	Z	-0.002	1.5
3	MP GAMMA3	Z	-0.001	6.5
4	MP GAMMA3	Z	-0.001	1.5
5	MP GAMMA1	Z	-0.001	4.5
6	MP GAMMA1	Z	-0.001	1.5
7	MP GAMMA5	Z	-0.003	3
8	MP GAMMA2	Z	-0.002	3
9	MP GAMMA5	Z	-0.003	3
10	MP GAMMA1	Z	-0.002	3
11	MP ALPHA3	Z	-0.001	3
12	MP BETA2	Z	-0.001	3
13	MP GAMMA2	Z	-0.001	3
14	MP ALPHA6	Z	-0.002	6.5
15	MP ALPHA6	Z	-0.002	1.5
16	MP ALPHA4	Z	-0.001	6.5
17	MP ALPHA4	Z	-0.001	1.5
18	MP ALPHA1	Z	-0.001	4.5
19	MP ALPHA1	Z	-0.001	1.5
20	MP ALPHA5	Z	-0.003	3
21	MP ALPHA3	Z	-0.002	3
22	MP ALPHA5	Z	-0.003	3
23	MP ALPHA1	Z	-0.002	3
24	MP BETA5	Z	-0.002	6.5
25	MP BETA5	Z	-0.002	1.5
26	MP BETA3	Z	-0.001	6.5
27	MP BETA3	Z	-0.001	1.5
28	MP BETA1	Z	-0.001	4.5
29	MP BETA1	Z	-0.001	1.5
30	MP BETA4	Z	-0.003	3
31	MP BETA2	Z	-0.002	3
32	MP BETA4	Z	-0.003	3
33	MP BETA1	Z	-0.002	3
34	MP GAMMA8	Z	-0.003	11

Member Area Loads

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

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-.011	-.011	0	0
2	ANGLE2	PY	-.011	-.011	0	0
3	ANGLE3	PY	-.011	-.011	0	0
4	CONNECTION1	PY	-.000953	-.000953	0	0
5	CONNECTION2	PY	-.000953	-.000953	0	0
6	CONNECTION3	PY	-.000953	-.000953	0	0
7	CORNER1	PY	-.015	-.015	0	0
8	CORNER2	PY	-.015	-.015	0	0
9	CORNER3	PY	-.015	-.015	0	0
10	CRPLATE1	PY	-.001	-.001	0	0
11	CRPLATE2	PY	-.001	-.001	0	0
12	CRPLATE3	PY	-.001	-.001	0	0
13	CRPLATE4	PY	-.001	-.001	0	0
14	CRPLATE5	PY	-.001	-.001	0	0
15	CRPLATE6	PY	-.001	-.001	0	0
16	FACE1	PY	-.023	-.023	0	0
17	FACE2	PY	-.046	-.046	0	0
18	FACE3	PY	-.046	-.046	0	0
19	HSRK1	PY	-.011	-.011	0	0
20	HSRK2	PY	-.011	-.011	0	0
21	HSRK3	PY	-.011	-.011	0	0
22	HSRK4	PY	-.011	-.011	0	0
23	HSRK5	PY	-.011	-.011	0	0
24	HSRK6	PY	-.011	-.011	0	0
25	KICKER1	PY	-.01	-.01	0	0
26	KICKER2	PY	-.01	-.01	0	0
27	KICKER3	PY	-.01	-.01	0	0
28	MP ALPHA1	PY	-.011	-.011	0	0
29	MP ALPHA2	PY	-.011	-.011	0	0
30	MP ALPHA3	PY	-.011	-.011	0	0
31	MP ALPHA4	PY	-.011	-.011	0	0
32	MP ALPHA5	PY	-.011	-.011	0	0
33	MP ALPHA6	PY	-.011	-.011	0	0
34	MP ALPHA7	PY	-.011	-.011	0	0
35	MP BETA1	PY	-.011	-.011	0	0
36	MP BETA2	PY	-.011	-.011	0	0
37	MP BETA3	PY	-.011	-.011	0	0
38	MP BETA4	PY	-.011	-.011	0	0
39	MP BETA5	PY	-.011	-.011	0	0
40	MP GAMMA1	PY	-.011	-.011	0	0
41	MP GAMMA2	PY	-.011	-.011	0	0
42	MP GAMMA3	PY	-.011	-.011	0	0
43	MP GAMMA4	PY	-.011	-.011	0	0
44	MP GAMMA5	PY	-.011	-.011	0	0
45	MP GAMMA6	PY	-.011	-.011	0	0
46	PLATE1	PY	-.002	-.002	0	0
47	PLATE2	PY	-.002	-.002	0	0
48	PLATE3	PY	-.002	-.002	0	0
49	RAIL1	PY	-.011	-.011	0	0
50	RAIL2	PY	-.023	-.023	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
51	RAIL3	PY	-.023	-.023	0	0
52	SO1A	PY	-.01	-.01	0	0
53	SO2A	PY	-.01	-.01	0	0
54	SO3A	PY	-.01	-.01	0	0
55	86		.002	-.002	0	0
56	86		.002	-.002	0	0
57	86		.002	-.002	0	0
58	86		.002	-.002	0	0
59	86		.002	-.002	0	0
60	86		.002	-.002	0	0
61	86		.003	-.003	0	0
62	86		.003	-.003	0	0
63	86		.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-.01	-.01	0	0
2	ANGLE2	PY	-.01	-.01	0	0
3	ANGLE3	PY	-.01	-.01	0	0
4	CONNECTION1	PY	-.000825	-.000825	0	0
5	CONNECTION2	PY	-.000825	-.000825	0	0
6	CONNECTION3	PY	-.000825	-.000825	0	0
7	CORNER1	PY	-.013	-.013	0	0
8	CORNER2	PY	-.013	-.013	0	0
9	CORNER3	PY	-.013	-.013	0	0
10	CRPLATE1	PY	-.001	-.001	0	0
11	CRPLATE2	PY	-.001	-.001	0	0
12	CRPLATE3	PY	-.001	-.001	0	0
13	CRPLATE4	PY	-.001	-.001	0	0
14	CRPLATE5	PY	-.001	-.001	0	0
15	CRPLATE6	PY	-.001	-.001	0	0
16	FACE1	PY	-.02	-.02	0	0
17	FACE2	PY	-.04	-.04	0	0
18	FACE3	PY	-.04	-.04	0	0
19	HSRK1	PY	-.01	-.01	0	0
20	HSRK2	PY	-.01	-.01	0	0
21	HSRK3	PY	-.01	-.01	0	0
22	HSRK4	PY	-.01	-.01	0	0
23	HSRK5	PY	-.01	-.01	0	0
24	HSRK6	PY	-.01	-.01	0	0
25	KICKER1	PY	-.008	-.008	0	0
26	KICKER2	PY	-.008	-.008	0	0
27	KICKER3	PY	-.008	-.008	0	0
28	MP ALPHA1	PY	-.009	-.009	0	0
29	MP ALPHA2	PY	-.009	-.009	0	0
30	MP ALPHA3	PY	-.009	-.009	0	0
31	MP ALPHA4	PY	-.009	-.009	0	0
32	MP ALPHA5	PY	-.009	-.009	0	0
33	MP ALPHA6	PY	-.009	-.009	0	0
34	MP ALPHA7	PY	-.009	-.009	0	0
35	MP BETA1	PY	-.009	-.009	0	0
36	MP BETA2	PY	-.009	-.009	0	0
37	MP BETA3	PY	-.009	-.009	0	0
38	MP BETA4	PY	-.009	-.009	0	0
39	MP BETA5	PY	-.009	-.009	0	0
40	MP GAMMA1	PY	-.009	-.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
41	MP GAMMA2	PY	-.009	-.009	0	0
42	MP GAMMA3	PY	-.009	-.009	0	0
43	MP GAMMA4	PY	-.009	-.009	0	0
44	MP GAMMA5	PY	-.009	-.009	0	0
45	MP GAMMA6	PY	-.009	-.009	0	0
46	PLATE1	PY	-.002	-.002	0	0
47	PLATE2	PY	-.002	-.002	0	0
48	PLATE3	PY	-.002	-.002	0	0
49	RAIL1	PY	-.01	-.01	0	0
50	RAIL2	PY	-.02	-.02	0	0
51	RAIL3	PY	-.02	-.02	0	0
52	SO1A	PY	-.008	-.008	0	0
53	SO2A	PY	-.008	-.008	0	0
54	SO3A	PY	-.008	-.008	0	0
55	86		.002	-.002	0	0
56	86		.002	-.002	0	0
57	86		.002	-.002	0	0
58	86		.002	-.002	0	0
59	86		.002	-.002	0	0
60	86		.002	-.002	0	0
61	86		.003	-.003	0	0
62	86		.003	-.003	0	0
63	86		.003	-.003	0	0
64	ANGLE1	PX	-.006	-.006	0	0
65	ANGLE2	PX	-.006	-.006	0	0
66	ANGLE3	PX	-.006	-.006	0	0
67	CONNECTION1	PX	-.000477	-.000477	0	0
68	CONNECTION2	PX	-.000477	-.000477	0	0
69	CONNECTION3	PX	-.000477	-.000477	0	0
70	CORNER1	PX	-.008	-.008	0	0
71	CORNER2	PX	-.008	-.008	0	0
72	CORNER3	PX	-.008	-.008	0	0
73	CRPLATE1	PX	-.000715	-.000715	0	0
74	CRPLATE2	PX	-.000715	-.000715	0	0
75	CRPLATE3	PX	-.000715	-.000715	0	0
76	CRPLATE4	PX	-.000715	-.000715	0	0
77	CRPLATE5	PX	-.000715	-.000715	0	0
78	CRPLATE6	PX	-.000715	-.000715	0	0
79	FACE1	PX	-.011	-.011	0	0
80	FACE2	PX	-.023	-.023	0	0
81	FACE3	PX	-.023	-.023	0	0
82	HSRK1	PX	-.006	-.006	0	0
83	HSRK2	PX	-.006	-.006	0	0
84	HSRK3	PX	-.006	-.006	0	0
85	HSRK4	PX	-.006	-.006	0	0
86	HSRK5	PX	-.006	-.006	0	0
87	HSRK6	PX	-.006	-.006	0	0
88	KICKER1	PX	-.005	-.005	0	0
89	KICKER2	PX	-.005	-.005	0	0
90	KICKER3	PX	-.005	-.005	0	0
91	MP ALPHA1	PX	-.005	-.005	0	0
92	MP ALPHA2	PX	-.005	-.005	0	0
93	MP ALPHA3	PX	-.005	-.005	0	0
94	MP ALPHA4	PX	-.005	-.005	0	0
95	MP ALPHA5	PX	-.005	-.005	0	0
96	MP ALPHA6	PX	-.005	-.005	0	0
97	MP ALPHA7	PX	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
98	MP BETA1	PX	-0.005	-0.005	0	0
99	MP BETA2	PX	-0.005	-0.005	0	0
100	MP BETA3	PX	-0.005	-0.005	0	0
101	MP BETA4	PX	-0.005	-0.005	0	0
102	MP BETA5	PX	-0.005	-0.005	0	0
103	MP GAMMA1	PX	-0.005	-0.005	0	0
104	MP GAMMA2	PX	-0.005	-0.005	0	0
105	MP GAMMA3	PX	-0.005	-0.005	0	0
106	MP GAMMA4	PX	-0.005	-0.005	0	0
107	MP GAMMA5	PX	-0.005	-0.005	0	0
108	MP GAMMA6	PX	-0.005	-0.005	0	0
109	PLATE1	PX	-0.000953	-0.000953	0	0
110	PLATE2	PX	-0.000953	-0.000953	0	0
111	PLATE3	PX	-0.000953	-0.000953	0	0
112	RAIL1	PX	-0.006	-0.006	0	0
113	RAIL2	PX	-0.011	-0.011	0	0
114	RAIL3	PX	-0.011	-0.011	0	0
115	SO1A	PX	-0.005	-0.005	0	0
116	SO2A	PX	-0.005	-0.005	0	0
117	SO3A	PX	-0.005	-0.005	0	0
118	76		.000953	-0.000953	0	0
119	76		.000953	-0.000953	0	0
120	76		.000953	-0.000953	0	0
121	76		.000953	-0.000953	0	0
122	76		.000953	-0.000953	0	0
123	76		.000953	-0.000953	0	0
124	76		.002	-0.002	0	0
125	76		.002	-0.002	0	0
126	76		.002	-0.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-0.006	-0.006	0	0
2	ANGLE2	PY	-0.006	-0.006	0	0
3	ANGLE3	PY	-0.006	-0.006	0	0
4	CONNECTION1	PY	-0.000477	-0.000477	0	0
5	CONNECTION2	PY	-0.000477	-0.000477	0	0
6	CONNECTION3	PY	-0.000477	-0.000477	0	0
7	CORNER1	PY	-0.008	-0.008	0	0
8	CORNER2	PY	-0.008	-0.008	0	0
9	CORNER3	PY	-0.008	-0.008	0	0
10	CRPLATE1	PY	-0.000715	-0.000715	0	0
11	CRPLATE2	PY	-0.000715	-0.000715	0	0
12	CRPLATE3	PY	-0.000715	-0.000715	0	0
13	CRPLATE4	PY	-0.000715	-0.000715	0	0
14	CRPLATE5	PY	-0.000715	-0.000715	0	0
15	CRPLATE6	PY	-0.000715	-0.000715	0	0
16	FACE1	PY	-0.011	-0.011	0	0
17	FACE2	PY	-0.023	-0.023	0	0
18	FACE3	PY	-0.023	-0.023	0	0
19	HSRK1	PY	-0.006	-0.006	0	0
20	HSRK2	PY	-0.006	-0.006	0	0
21	HSRK3	PY	-0.006	-0.006	0	0
22	HSRK4	PY	-0.006	-0.006	0	0
23	HSRK5	PY	-0.006	-0.006	0	0
24	HSRK6	PY	-0.006	-0.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
25	KICKER1	PY	-.005	-.005	0	0
26	KICKER2	PY	-.005	-.005	0	0
27	KICKER3	PY	-.005	-.005	0	0
28	MP ALPHA1	PY	-.005	-.005	0	0
29	MP ALPHA2	PY	-.005	-.005	0	0
30	MP ALPHA3	PY	-.005	-.005	0	0
31	MP ALPHA4	PY	-.005	-.005	0	0
32	MP ALPHA5	PY	-.005	-.005	0	0
33	MP ALPHA6	PY	-.005	-.005	0	0
34	MP ALPHA7	PY	-.005	-.005	0	0
35	MP BETA1	PY	-.005	-.005	0	0
36	MP BETA2	PY	-.005	-.005	0	0
37	MP BETA3	PY	-.005	-.005	0	0
38	MP BETA4	PY	-.005	-.005	0	0
39	MP BETA5	PY	-.005	-.005	0	0
40	MP GAMMA1	PY	-.005	-.005	0	0
41	MP GAMMA2	PY	-.005	-.005	0	0
42	MP GAMMA3	PY	-.005	-.005	0	0
43	MP GAMMA4	PY	-.005	-.005	0	0
44	MP GAMMA5	PY	-.005	-.005	0	0
45	MP GAMMA6	PY	-.005	-.005	0	0
46	PLATE1	PY	-.000953	-.000953	0	0
47	PLATE2	PY	-.000953	-.000953	0	0
48	PLATE3	PY	-.000953	-.000953	0	0
49	RAIL1	PY	-.006	-.006	0	0
50	RAIL2	PY	-.011	-.011	0	0
51	RAIL3	PY	-.011	-.011	0	0
52	SO1A	PY	-.005	-.005	0	0
53	SO2A	PY	-.005	-.005	0	0
54	SO3A	PY	-.005	-.005	0	0
55	86		.000953	-.000953	0	0
56	86		.000953	-.000953	0	0
57	86		.000953	-.000953	0	0
58	86		.000953	-.000953	0	0
59	86		.000953	-.000953	0	0
60	86		.000953	-.000953	0	0
61	86		.002	-.002	0	0
62	86		.002	-.002	0	0
63	86		.002	-.002	0	0
64	ANGLE1	PX	-.01	-.01	0	0
65	ANGLE2	PX	-.01	-.01	0	0
66	ANGLE3	PX	-.01	-.01	0	0
67	CONNECTION1	PX	-.000825	-.000825	0	0
68	CONNECTION2	PX	-.000825	-.000825	0	0
69	CONNECTION3	PX	-.000825	-.000825	0	0
70	CORNER1	PX	-.013	-.013	0	0
71	CORNER2	PX	-.013	-.013	0	0
72	CORNER3	PX	-.013	-.013	0	0
73	CRPLATE1	PX	-.001	-.001	0	0
74	CRPLATE2	PX	-.001	-.001	0	0
75	CRPLATE3	PX	-.001	-.001	0	0
76	CRPLATE4	PX	-.001	-.001	0	0
77	CRPLATE5	PX	-.001	-.001	0	0
78	CRPLATE6	PX	-.001	-.001	0	0
79	FACE1	PX	-.02	-.02	0	0
80	FACE2	PX	-.04	-.04	0	0
81	FACE3	PX	-.04	-.04	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
82	HSRK1	PX	-.01	-.01	0	0
83	HSRK2	PX	-.01	-.01	0	0
84	HSRK3	PX	-.01	-.01	0	0
85	HSRK4	PX	-.01	-.01	0	0
86	HSRK5	PX	-.01	-.01	0	0
87	HSRK6	PX	-.01	-.01	0	0
88	KICKER1	PX	-.008	-.008	0	0
89	KICKER2	PX	-.008	-.008	0	0
90	KICKER3	PX	-.008	-.008	0	0
91	MP ALPHA1	PX	-.009	-.009	0	0
92	MP ALPHA2	PX	-.009	-.009	0	0
93	MP ALPHA3	PX	-.009	-.009	0	0
94	MP ALPHA4	PX	-.009	-.009	0	0
95	MP ALPHA5	PX	-.009	-.009	0	0
96	MP ALPHA6	PX	-.009	-.009	0	0
97	MP ALPHA7	PX	-.009	-.009	0	0
98	MP BETA1	PX	-.009	-.009	0	0
99	MP BETA2	PX	-.009	-.009	0	0
100	MP BETA3	PX	-.009	-.009	0	0
101	MP BETA4	PX	-.009	-.009	0	0
102	MP BETA5	PX	-.009	-.009	0	0
103	MP GAMMA1	PX	-.009	-.009	0	0
104	MP GAMMA2	PX	-.009	-.009	0	0
105	MP GAMMA3	PX	-.009	-.009	0	0
106	MP GAMMA4	PX	-.009	-.009	0	0
107	MP GAMMA5	PX	-.009	-.009	0	0
108	MP GAMMA6	PX	-.009	-.009	0	0
109	PLATE1	PX	-.002	-.002	0	0
110	PLATE2	PX	-.002	-.002	0	0
111	PLATE3	PX	-.002	-.002	0	0
112	RAIL1	PX	-.01	-.01	0	0
113	RAIL2	PX	-.02	-.02	0	0
114	RAIL3	PX	-.02	-.02	0	0
115	SO1A	PX	-.008	-.008	0	0
116	SO2A	PX	-.008	-.008	0	0
117	SO3A	PX	-.008	-.008	0	0
118	76		.002	-.002	0	0
119	76		.002	-.002	0	0
120	76		.002	-.002	0	0
121	76		.002	-.002	0	0
122	76		.002	-.002	0	0
123	76		.002	-.002	0	0
124	76		.003	-.003	0	0
125	76		.003	-.003	0	0
126	76		.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PX	-.011	-.011	0	0
2	ANGLE2	PX	-.011	-.011	0	0
3	ANGLE3	PX	-.011	-.011	0	0
4	CONNECTION1	PX	-.000953	-.000953	0	0
5	CONNECTION2	PX	-.000953	-.000953	0	0
6	CONNECTION3	PX	-.000953	-.000953	0	0
7	CORNER1	PX	-.015	-.015	0	0
8	CORNER2	PX	-.015	-.015	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
9	CORNER3	PX	-.015	-.015	0	0
10	CRPLATE1	PX	-.001	-.001	0	0
11	CRPLATE2	PX	-.001	-.001	0	0
12	CRPLATE3	PX	-.001	-.001	0	0
13	CRPLATE4	PX	-.001	-.001	0	0
14	CRPLATE5	PX	-.001	-.001	0	0
15	CRPLATE6	PX	-.001	-.001	0	0
16	FACE3	PX	-.023	-.023	0	0
17	FACE2	PX	-.046	-.046	0	0
18	FACE1	PX	-.046	-.046	0	0
19	HSRK1	PX	-.011	-.011	0	0
20	HSRK2	PX	-.011	-.011	0	0
21	HSRK3	PX	-.011	-.011	0	0
22	HSRK4	PX	-.011	-.011	0	0
23	HSRK5	PX	-.011	-.011	0	0
24	HSRK6	PX	-.011	-.011	0	0
25	KICKER1	PX	-.01	-.01	0	0
26	KICKER2	PX	-.01	-.01	0	0
27	KICKER3	PX	-.01	-.01	0	0
28	MP ALPHA1	PX	-.011	-.011	0	0
29	MP ALPHA2	PX	-.011	-.011	0	0
30	MP ALPHA3	PX	-.011	-.011	0	0
31	MP ALPHA4	PX	-.011	-.011	0	0
32	MP ALPHA5	PX	-.011	-.011	0	0
33	MP ALPHA6	PX	-.011	-.011	0	0
34	MP ALPHA7	PX	-.011	-.011	0	0
35	MP BETA1	PX	-.011	-.011	0	0
36	MP BETA2	PX	-.011	-.011	0	0
37	MP BETA3	PX	-.011	-.011	0	0
38	MP BETA4	PX	-.011	-.011	0	0
39	MP BETA5	PX	-.011	-.011	0	0
40	MP GAMMA1	PX	-.011	-.011	0	0
41	MP GAMMA2	PX	-.011	-.011	0	0
42	MP GAMMA3	PX	-.011	-.011	0	0
43	MP GAMMA4	PX	-.011	-.011	0	0
44	MP GAMMA5	PX	-.011	-.011	0	0
45	MP GAMMA6	PX	-.011	-.011	0	0
46	PLATE1	PX	-.002	-.002	0	0
47	PLATE2	PX	-.002	-.002	0	0
48	PLATE3	PX	-.002	-.002	0	0
49	RAIL3	PX	-.011	-.011	0	0
50	RAIL2	PX	-.023	-.023	0	0
51	RAIL1	PX	-.023	-.023	0	0
52	SO1A	PX	-.01	-.01	0	0
53	SO2A	PX	-.01	-.01	0	0
54	SO3A	PX	-.01	-.01	0	0
55	76		.002	-.002	0	0
56	76		.002	-.002	0	0
57	76		.002	-.002	0	0
58	76		.002	-.002	0	0
59	76		.002	-.002	0	0
60	76		.002	-.002	0	0
61	76		.003	-.003	0	0
62	76		.003	-.003	0	0
63	76		.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.006	.006	0	0
2	ANGLE2	PY	.006	.006	0	0
3	ANGLE3	PY	.006	.006	0	0
4	CONNECTION1	PY	.000477	.000477	0	0
5	CONNECTION2	PY	.000477	.000477	0	0
6	CONNECTION3	PY	.000477	.000477	0	0
7	CORNER1	PY	.008	.008	0	0
8	CORNER2	PY	.008	.008	0	0
9	CORNER3	PY	.008	.008	0	0
10	CRPLATE1	PY	.000715	.000715	0	0
11	CRPLATE2	PY	.000715	.000715	0	0
12	CRPLATE3	PY	.000715	.000715	0	0
13	CRPLATE4	PY	.000715	.000715	0	0
14	CRPLATE5	PY	.000715	.000715	0	0
15	CRPLATE6	PY	.000715	.000715	0	0
16	FACE3	PY	.011	.011	0	0
17	FACE2	PY	.023	.023	0	0
18	FACE1	PY	.023	.023	0	0
19	HSRK1	PY	.006	.006	0	0
20	HSRK2	PY	.006	.006	0	0
21	HSRK3	PY	.006	.006	0	0
22	HSRK4	PY	.006	.006	0	0
23	HSRK5	PY	.006	.006	0	0
24	HSRK6	PY	.006	.006	0	0
25	KICKER1	PY	.005	.005	0	0
26	KICKER2	PY	.005	.005	0	0
27	KICKER3	PY	.005	.005	0	0
28	MP ALPHA1	PY	.005	.005	0	0
29	MP ALPHA2	PY	.005	.005	0	0
30	MP ALPHA3	PY	.005	.005	0	0
31	MP ALPHA4	PY	.005	.005	0	0
32	MP ALPHA5	PY	.005	.005	0	0
33	MP ALPHA6	PY	.005	.005	0	0
34	MP ALPHA7	PY	.005	.005	0	0
35	MP BETA1	PY	.005	.005	0	0
36	MP BETA2	PY	.005	.005	0	0
37	MP BETA3	PY	.005	.005	0	0
38	MP BETA4	PY	.005	.005	0	0
39	MP BETA5	PY	.005	.005	0	0
40	MP GAMMA1	PY	.005	.005	0	0
41	MP GAMMA2	PY	.005	.005	0	0
42	MP GAMMA3	PY	.005	.005	0	0
43	MP GAMMA4	PY	.005	.005	0	0
44	MP GAMMA5	PY	.005	.005	0	0
45	MP GAMMA6	PY	.005	.005	0	0
46	PLATE1	PY	.000953	.000953	0	0
47	PLATE2	PY	.000953	.000953	0	0
48	PLATE3	PY	.000953	.000953	0	0
49	RAIL3	PY	.006	.006	0	0
50	RAIL2	PY	.011	.011	0	0
51	RAIL1	PY	.011	.011	0	0
52	SO1A	PY	.005	.005	0	0
53	SO2A	PY	.005	.005	0	0
54	SO3A	PY	.005	.005	0	0
55	86		.000953	.000953	0	0
56	86		.000953	.000953	0	0
57	86		.000953	.000953	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
58	86		.000953	.000953	0	0
59	86		.000953	.000953	0	0
60	86		.000953	.000953	0	0
61	86		.002	.002	0	0
62	86		.002	.002	0	0
63	86		.002	.002	0	0
64	ANGLE1	PX	-.01	-.01	0	0
65	ANGLE2	PX	-.01	-.01	0	0
66	ANGLE3	PX	-.01	-.01	0	0
67	CONNECTION1	PX	-.000825	-.000825	0	0
68	CONNECTION2	PX	-.000825	-.000825	0	0
69	CONNECTION3	PX	-.000825	-.000825	0	0
70	CORNER1	PX	-.013	-.013	0	0
71	CORNER2	PX	-.013	-.013	0	0
72	CORNER3	PX	-.013	-.013	0	0
73	CRPLATE1	PX	-.001	-.001	0	0
74	CRPLATE2	PX	-.001	-.001	0	0
75	CRPLATE3	PX	-.001	-.001	0	0
76	CRPLATE4	PX	-.001	-.001	0	0
77	CRPLATE5	PX	-.001	-.001	0	0
78	CRPLATE6	PX	-.001	-.001	0	0
79	FACE3	PX	-.02	-.02	0	0
80	FACE2	PX	-.04	-.04	0	0
81	FACE1	PX	-.04	-.04	0	0
82	HSRK1	PX	-.01	-.01	0	0
83	HSRK2	PX	-.01	-.01	0	0
84	HSRK3	PX	-.01	-.01	0	0
85	HSRK4	PX	-.01	-.01	0	0
86	HSRK5	PX	-.01	-.01	0	0
87	HSRK6	PX	-.01	-.01	0	0
88	KICKER1	PX	-.008	-.008	0	0
89	KICKER2	PX	-.008	-.008	0	0
90	KICKER3	PX	-.008	-.008	0	0
91	MP ALPHA1	PX	-.009	-.009	0	0
92	MP ALPHA2	PX	-.009	-.009	0	0
93	MP ALPHA3	PX	-.009	-.009	0	0
94	MP ALPHA4	PX	-.009	-.009	0	0
95	MP ALPHA5	PX	-.009	-.009	0	0
96	MP ALPHA6	PX	-.009	-.009	0	0
97	MP ALPHA7	PX	-.009	-.009	0	0
98	MP BETA1	PX	-.009	-.009	0	0
99	MP BETA2	PX	-.009	-.009	0	0
100	MP BETA3	PX	-.009	-.009	0	0
101	MP BETA4	PX	-.009	-.009	0	0
102	MP BETA5	PX	-.009	-.009	0	0
103	MP GAMMA1	PX	-.009	-.009	0	0
104	MP GAMMA2	PX	-.009	-.009	0	0
105	MP GAMMA3	PX	-.009	-.009	0	0
106	MP GAMMA4	PX	-.009	-.009	0	0
107	MP GAMMA5	PX	-.009	-.009	0	0
108	MP GAMMA6	PX	-.009	-.009	0	0
109	PLATE1	PX	-.002	-.002	0	0
110	PLATE2	PX	-.002	-.002	0	0
111	PLATE3	PX	-.002	-.002	0	0
112	RAIL3	PX	-.01	-.01	0	0
113	RAIL2	PX	-.02	-.02	0	0
114	RAIL1	PX	-.02	-.02	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
115	SO1A	PX	-.008	-.008	0	0
116	SO2A	PX	-.008	-.008	0	0
117	SO3A	PX	-.008	-.008	0	0
118	76		.002	-.002	0	0
119	76		.002	-.002	0	0
120	76		.002	-.002	0	0
121	76		.002	-.002	0	0
122	76		.002	-.002	0	0
123	76		.002	-.002	0	0
124	76		.003	-.003	0	0
125	76		.003	-.003	0	0
126	76		.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.01	.01	0	0
2	ANGLE2	PY	.01	.01	0	0
3	ANGLE3	PY	.01	.01	0	0
4	CONNECTION1	PY	.000825	.000825	0	0
5	CONNECTION2	PY	.000825	.000825	0	0
6	CONNECTION3	PY	.000825	.000825	0	0
7	CORNER1	PY	.013	.013	0	0
8	CORNER2	PY	.013	.013	0	0
9	CORNER3	PY	.013	.013	0	0
10	CRPLATE1	PY	.001	.001	0	0
11	CRPLATE2	PY	.001	.001	0	0
12	CRPLATE3	PY	.001	.001	0	0
13	CRPLATE4	PY	.001	.001	0	0
14	CRPLATE5	PY	.001	.001	0	0
15	CRPLATE6	PY	.001	.001	0	0
16	FACE3	PY	.02	.02	0	0
17	FACE2	PY	.04	.04	0	0
18	FACE1	PY	.04	.04	0	0
19	HSRK1	PY	.01	.01	0	0
20	HSRK2	PY	.01	.01	0	0
21	HSRK3	PY	.01	.01	0	0
22	HSRK4	PY	.01	.01	0	0
23	HSRK5	PY	.01	.01	0	0
24	HSRK6	PY	.01	.01	0	0
25	KICKER1	PY	.008	.008	0	0
26	KICKER2	PY	.008	.008	0	0
27	KICKER3	PY	.008	.008	0	0
28	MP ALPHA1	PY	.009	.009	0	0
29	MP ALPHA2	PY	.009	.009	0	0
30	MP ALPHA3	PY	.009	.009	0	0
31	MP ALPHA4	PY	.009	.009	0	0
32	MP ALPHA5	PY	.009	.009	0	0
33	MP ALPHA6	PY	.009	.009	0	0
34	MP ALPHA7	PY	.009	.009	0	0
35	MP BETA1	PY	.009	.009	0	0
36	MP BETA2	PY	.009	.009	0	0
37	MP BETA3	PY	.009	.009	0	0
38	MP BETA4	PY	.009	.009	0	0
39	MP BETA5	PY	.009	.009	0	0
40	MP GAMMA1	PY	.009	.009	0	0
41	MP GAMMA2	PY	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
42	MP GAMMA3	PY	.009	.009	0	0
43	MP GAMMA4	PY	.009	.009	0	0
44	MP GAMMA5	PY	.009	.009	0	0
45	MP GAMMA6	PY	.009	.009	0	0
46	PLATE1	PY	.002	.002	0	0
47	PLATE2	PY	.002	.002	0	0
48	PLATE3	PY	.002	.002	0	0
49	RAIL3	PY	.01	.01	0	0
50	RAIL2	PY	.02	.02	0	0
51	RAIL1	PY	.02	.02	0	0
52	SO1A	PY	.008	.008	0	0
53	SO2A	PY	.008	.008	0	0
54	SO3A	PY	.008	.008	0	0
55	86		.002	.002	0	0
56	86		.002	.002	0	0
57	86		.002	.002	0	0
58	86		.002	.002	0	0
59	86		.002	.002	0	0
60	86		.002	.002	0	0
61	86		.003	.003	0	0
62	86		.003	.003	0	0
63	86		.003	.003	0	0
64	ANGLE1	PX	-.006	-.006	0	0
65	ANGLE2	PX	-.006	-.006	0	0
66	ANGLE3	PX	-.006	-.006	0	0
67	CONNECTION1	PX	-.000477	-.000477	0	0
68	CONNECTION2	PX	-.000477	-.000477	0	0
69	CONNECTION3	PX	-.000477	-.000477	0	0
70	CORNER1	PX	-.008	-.008	0	0
71	CORNER2	PX	-.008	-.008	0	0
72	CORNER3	PX	-.008	-.008	0	0
73	CRPLATE1	PX	-.000715	-.000715	0	0
74	CRPLATE2	PX	-.000715	-.000715	0	0
75	CRPLATE3	PX	-.000715	-.000715	0	0
76	CRPLATE4	PX	-.000715	-.000715	0	0
77	CRPLATE5	PX	-.000715	-.000715	0	0
78	CRPLATE6	PX	-.000715	-.000715	0	0
79	FACE3	PX	-.011	-.011	0	0
80	FACE2	PX	-.023	-.023	0	0
81	FACE1	PX	-.023	-.023	0	0
82	HSRK1	PX	-.006	-.006	0	0
83	HSRK2	PX	-.006	-.006	0	0
84	HSRK3	PX	-.006	-.006	0	0
85	HSRK4	PX	-.006	-.006	0	0
86	HSRK5	PX	-.006	-.006	0	0
87	HSRK6	PX	-.006	-.006	0	0
88	KICKER1	PX	-.005	-.005	0	0
89	KICKER2	PX	-.005	-.005	0	0
90	KICKER3	PX	-.005	-.005	0	0
91	MP ALPHA1	PX	-.005	-.005	0	0
92	MP ALPHA2	PX	-.005	-.005	0	0
93	MP ALPHA3	PX	-.005	-.005	0	0
94	MP ALPHA4	PX	-.005	-.005	0	0
95	MP ALPHA5	PX	-.005	-.005	0	0
96	MP ALPHA6	PX	-.005	-.005	0	0
97	MP ALPHA7	PX	-.005	-.005	0	0
98	MP BETA1	PX	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
99	MP BETA2	PX	-.005	-.005	0	0
100	MP BETA3	PX	-.005	-.005	0	0
101	MP BETA4	PX	-.005	-.005	0	0
102	MP BETA5	PX	-.005	-.005	0	0
103	MP GAMMA1	PX	-.005	-.005	0	0
104	MP GAMMA2	PX	-.005	-.005	0	0
105	MP GAMMA3	PX	-.005	-.005	0	0
106	MP GAMMA4	PX	-.005	-.005	0	0
107	MP GAMMA5	PX	-.005	-.005	0	0
108	MP GAMMA6	PX	-.005	-.005	0	0
109	PLATE1	PX	-.000953	-.000953	0	0
110	PLATE2	PX	-.000953	-.000953	0	0
111	PLATE3	PX	-.000953	-.000953	0	0
112	RAIL3	PX	-.006	-.006	0	0
113	RAIL2	PX	-.011	-.011	0	0
114	RAIL1	PX	-.011	-.011	0	0
115	SO1A	PX	-.005	-.005	0	0
116	SO2A	PX	-.005	-.005	0	0
117	SO3A	PX	-.005	-.005	0	0
118	76		.000953	-.000953	0	0
119	76		.000953	-.000953	0	0
120	76		.000953	-.000953	0	0
121	76		.000953	-.000953	0	0
122	76		.000953	-.000953	0	0
123	76		.000953	-.000953	0	0
124	76		.002	-.002	0	0
125	76		.002	-.002	0	0
126	76		.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.011	.011	0	0
2	ANGLE2	PY	.011	.011	0	0
3	ANGLE3	PY	.011	.011	0	0
4	CONNECTION1	PY	.000953	.000953	0	0
5	CONNECTION2	PY	.000953	.000953	0	0
6	CONNECTION3	PY	.000953	.000953	0	0
7	CORNER1	PY	.015	.015	0	0
8	CORNER2	PY	.015	.015	0	0
9	CORNER3	PY	.015	.015	0	0
10	CRPLATE1	PY	.001	.001	0	0
11	CRPLATE2	PY	.001	.001	0	0
12	CRPLATE3	PY	.001	.001	0	0
13	CRPLATE4	PY	.001	.001	0	0
14	CRPLATE5	PY	.001	.001	0	0
15	CRPLATE6	PY	.001	.001	0	0
16	FACE3	PY	.023	.023	0	0
17	FACE2	PY	.046	.046	0	0
18	FACE1	PY	.046	.046	0	0
19	HSRK1	PY	.011	.011	0	0
20	HSRK2	PY	.011	.011	0	0
21	HSRK3	PY	.011	.011	0	0
22	HSRK4	PY	.011	.011	0	0
23	HSRK5	PY	.011	.011	0	0
24	HSRK6	PY	.011	.011	0	0
25	KICKER1	PY	.01	.01	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
26	KICKER2	PY	.01	.01	0	0
27	KICKER3	PY	.01	.01	0	0
28	MP ALPHA1	PY	.011	.011	0	0
29	MP ALPHA2	PY	.011	.011	0	0
30	MP ALPHA3	PY	.011	.011	0	0
31	MP ALPHA4	PY	.011	.011	0	0
32	MP ALPHA5	PY	.011	.011	0	0
33	MP ALPHA6	PY	.011	.011	0	0
34	MP ALPHA7	PY	.011	.011	0	0
35	MP BETA1	PY	.011	.011	0	0
36	MP BETA2	PY	.011	.011	0	0
37	MP BETA3	PY	.011	.011	0	0
38	MP BETA4	PY	.011	.011	0	0
39	MP BETA5	PY	.011	.011	0	0
40	MP GAMMA1	PY	.011	.011	0	0
41	MP GAMMA2	PY	.011	.011	0	0
42	MP GAMMA3	PY	.011	.011	0	0
43	MP GAMMA4	PY	.011	.011	0	0
44	MP GAMMA5	PY	.011	.011	0	0
45	MP GAMMA6	PY	.011	.011	0	0
46	PLATE1	PY	.002	.002	0	0
47	PLATE2	PY	.002	.002	0	0
48	PLATE3	PY	.002	.002	0	0
49	RAIL3	PY	.011	.011	0	0
50	RAIL2	PY	.023	.023	0	0
51	RAIL1	PY	.023	.023	0	0
52	SO1A	PY	.01	.01	0	0
53	SO2A	PY	.01	.01	0	0
54	SO3A	PY	.01	.01	0	0
55	86		.002	.002	0	0
56	86		.002	.002	0	0
57	86		.002	.002	0	0
58	86		.002	.002	0	0
59	86		.002	.002	0	0
60	86		.002	.002	0	0
61	86		.003	.003	0	0
62	86		.003	.003	0	0
63	86		.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.01	.01	0	0
2	ANGLE2	PY	.01	.01	0	0
3	ANGLE3	PY	.01	.01	0	0
4	CONNECTION1	PY	.000825	.000825	0	0
5	CONNECTION2	PY	.000825	.000825	0	0
6	CONNECTION3	PY	.000825	.000825	0	0
7	CORNER1	PY	.013	.013	0	0
8	CORNER2	PY	.013	.013	0	0
9	CORNER3	PY	.013	.013	0	0
10	CRPLATE1	PY	.001	.001	0	0
11	CRPLATE2	PY	.001	.001	0	0
12	CRPLATE3	PY	.001	.001	0	0
13	CRPLATE4	PY	.001	.001	0	0
14	CRPLATE5	PY	.001	.001	0	0
15	CRPLATE6	PY	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
16	FACE2	PY	.02	.02	0	0
17	FACE1	PY	.04	.04	0	0
18	FACE3	PY	.04	.04	0	0
19	HSRK1	PY	.01	.01	0	0
20	HSRK2	PY	.01	.01	0	0
21	HSRK3	PY	.01	.01	0	0
22	HSRK4	PY	.01	.01	0	0
23	HSRK5	PY	.01	.01	0	0
24	HSRK6	PY	.01	.01	0	0
25	KICKER1	PY	.008	.008	0	0
26	KICKER2	PY	.008	.008	0	0
27	KICKER3	PY	.008	.008	0	0
28	MP ALPHA1	PY	.009	.009	0	0
29	MP ALPHA2	PY	.009	.009	0	0
30	MP ALPHA3	PY	.009	.009	0	0
31	MP ALPHA4	PY	.009	.009	0	0
32	MP ALPHA5	PY	.009	.009	0	0
33	MP ALPHA6	PY	.009	.009	0	0
34	MP ALPHA7	PY	.009	.009	0	0
35	MP BETA1	PY	.009	.009	0	0
36	MP BETA2	PY	.009	.009	0	0
37	MP BETA3	PY	.009	.009	0	0
38	MP BETA4	PY	.009	.009	0	0
39	MP BETA5	PY	.009	.009	0	0
40	MP GAMMA1	PY	.009	.009	0	0
41	MP GAMMA2	PY	.009	.009	0	0
42	MP GAMMA3	PY	.009	.009	0	0
43	MP GAMMA4	PY	.009	.009	0	0
44	MP GAMMA5	PY	.009	.009	0	0
45	MP GAMMA6	PY	.009	.009	0	0
46	PLATE1	PY	.002	.002	0	0
47	PLATE2	PY	.002	.002	0	0
48	PLATE3	PY	.002	.002	0	0
49	RAIL2	PY	.01	.01	0	0
50	RAIL1	PY	.02	.02	0	0
51	RAIL3	PY	.02	.02	0	0
52	SO1A	PY	.008	.008	0	0
53	SO2A	PY	.008	.008	0	0
54	SO3A	PY	.008	.008	0	0
55	86		.002	.002	0	0
56	86		.002	.002	0	0
57	86		.002	.002	0	0
58	86		.002	.002	0	0
59	86		.002	.002	0	0
60	86		.002	.002	0	0
61	86		.003	.003	0	0
62	86		.003	.003	0	0
63	86		.003	.003	0	0
64	ANGLE1	PX	.006	.006	0	0
65	ANGLE2	PX	.006	.006	0	0
66	ANGLE3	PX	.006	.006	0	0
67	CONNECTION1	PX	.000477	.000477	0	0
68	CONNECTION2	PX	.000477	.000477	0	0
69	CONNECTION3	PX	.000477	.000477	0	0
70	CORNER1	PX	.008	.008	0	0
71	CORNER2	PX	.008	.008	0	0
72	CORNER3	PX	.008	.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
73	CRPLATE1	PX	.000715	.000715	0	0
74	CRPLATE2	PX	.000715	.000715	0	0
75	CRPLATE3	PX	.000715	.000715	0	0
76	CRPLATE4	PX	.000715	.000715	0	0
77	CRPLATE5	PX	.000715	.000715	0	0
78	CRPLATE6	PX	.000715	.000715	0	0
79	FACE2	PX	.011	.011	0	0
80	FACE1	PX	.023	.023	0	0
81	FACE3	PX	.023	.023	0	0
82	HSRK1	PX	.006	.006	0	0
83	HSRK2	PX	.006	.006	0	0
84	HSRK3	PX	.006	.006	0	0
85	HSRK4	PX	.006	.006	0	0
86	HSRK5	PX	.006	.006	0	0
87	HSRK6	PX	.006	.006	0	0
88	KICKER1	PX	.005	.005	0	0
89	KICKER2	PX	.005	.005	0	0
90	KICKER3	PX	.005	.005	0	0
91	MP ALPHA1	PX	.005	.005	0	0
92	MP ALPHA2	PX	.005	.005	0	0
93	MP ALPHA3	PX	.005	.005	0	0
94	MP ALPHA4	PX	.005	.005	0	0
95	MP ALPHA5	PX	.005	.005	0	0
96	MP ALPHA6	PX	.005	.005	0	0
97	MP ALPHA7	PX	.005	.005	0	0
98	MP BETA1	PX	.005	.005	0	0
99	MP BETA2	PX	.005	.005	0	0
100	MP BETA3	PX	.005	.005	0	0
101	MP BETA4	PX	.005	.005	0	0
102	MP BETA5	PX	.005	.005	0	0
103	MP GAMMA1	PX	.005	.005	0	0
104	MP GAMMA2	PX	.005	.005	0	0
105	MP GAMMA3	PX	.005	.005	0	0
106	MP GAMMA4	PX	.005	.005	0	0
107	MP GAMMA5	PX	.005	.005	0	0
108	MP GAMMA6	PX	.005	.005	0	0
109	PLATE1	PX	.000953	.000953	0	0
110	PLATE2	PX	.000953	.000953	0	0
111	PLATE3	PX	.000953	.000953	0	0
112	RAIL2	PX	.006	.006	0	0
113	RAIL1	PX	.011	.011	0	0
114	RAIL3	PX	.011	.011	0	0
115	SO1A	PX	.005	.005	0	0
116	SO2A	PX	.005	.005	0	0
117	SO3A	PX	.005	.005	0	0
118	76		.000953	.000953	0	0
119	76		.000953	.000953	0	0
120	76		.000953	.000953	0	0
121	76		.000953	.000953	0	0
122	76		.000953	.000953	0	0
123	76		.000953	.000953	0	0
124	76		.002	.002	0	0
125	76		.002	.002	0	0
126	76		.002	.002	0	0

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

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

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.006	.006	0	0
2	ANGLE2	PY	.006	.006	0	0
3	ANGLE3	PY	.006	.006	0	0
4	CONNECTION1	PY	.000477	.000477	0	0
5	CONNECTION2	PY	.000477	.000477	0	0
6	CONNECTION3	PY	.000477	.000477	0	0
7	CORNER1	PY	.008	.008	0	0
8	CORNER2	PY	.008	.008	0	0
9	CORNER3	PY	.008	.008	0	0
10	CRPLATE1	PY	.000715	.000715	0	0
11	CRPLATE2	PY	.000715	.000715	0	0
12	CRPLATE3	PY	.000715	.000715	0	0
13	CRPLATE4	PY	.000715	.000715	0	0
14	CRPLATE5	PY	.000715	.000715	0	0
15	CRPLATE6	PY	.000715	.000715	0	0
16	FACE2	PY	.011	.011	0	0
17	FACE1	PY	.023	.023	0	0
18	FACE3	PY	.023	.023	0	0
19	HSRK1	PY	.006	.006	0	0
20	HSRK2	PY	.006	.006	0	0
21	HSRK3	PY	.006	.006	0	0
22	HSRK4	PY	.006	.006	0	0
23	HSRK5	PY	.006	.006	0	0
24	HSRK6	PY	.006	.006	0	0
25	KICKER1	PY	.005	.005	0	0
26	KICKER2	PY	.005	.005	0	0
27	KICKER3	PY	.005	.005	0	0
28	MP ALPHA1	PY	.005	.005	0	0
29	MP ALPHA2	PY	.005	.005	0	0
30	MP ALPHA3	PY	.005	.005	0	0
31	MP ALPHA4	PY	.005	.005	0	0
32	MP ALPHA5	PY	.005	.005	0	0
33	MP ALPHA6	PY	.005	.005	0	0
34	MP ALPHA7	PY	.005	.005	0	0
35	MP BETA1	PY	.005	.005	0	0
36	MP BETA2	PY	.005	.005	0	0
37	MP BETA3	PY	.005	.005	0	0
38	MP BETA4	PY	.005	.005	0	0
39	MP BETA5	PY	.005	.005	0	0
40	MP GAMMA1	PY	.005	.005	0	0
41	MP GAMMA2	PY	.005	.005	0	0
42	MP GAMMA3	PY	.005	.005	0	0
43	MP GAMMA4	PY	.005	.005	0	0
44	MP GAMMA5	PY	.005	.005	0	0
45	MP GAMMA6	PY	.005	.005	0	0
46	PLATE1	PY	.000953	.000953	0	0
47	PLATE2	PY	.000953	.000953	0	0
48	PLATE3	PY	.000953	.000953	0	0
49	RAIL2	PY	.006	.006	0	0
50	RAIL1	PY	.011	.011	0	0
51	RAIL3	PY	.011	.011	0	0
52	SO1A	PY	.005	.005	0	0
53	SO2A	PY	.005	.005	0	0
54	SO3A	PY	.005	.005	0	0
55	86		.000953	.000953	0	0
56	86		.000953	.000953	0	0
57	86		.000953	.000953	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
58	86		.000953	.000953	0	0
59	86		.000953	.000953	0	0
60	86		.000953	.000953	0	0
61	86		.002	.002	0	0
62	86		.002	.002	0	0
63	86		.002	.002	0	0
64	ANGLE1	PX	.01	.01	0	0
65	ANGLE2	PX	.01	.01	0	0
66	ANGLE3	PX	.01	.01	0	0
67	CONNECTION1	PX	.000825	.000825	0	0
68	CONNECTION2	PX	.000825	.000825	0	0
69	CONNECTION3	PX	.000825	.000825	0	0
70	CORNER1	PX	.013	.013	0	0
71	CORNER2	PX	.013	.013	0	0
72	CORNER3	PX	.013	.013	0	0
73	CRPLATE1	PX	.001	.001	0	0
74	CRPLATE2	PX	.001	.001	0	0
75	CRPLATE3	PX	.001	.001	0	0
76	CRPLATE4	PX	.001	.001	0	0
77	CRPLATE5	PX	.001	.001	0	0
78	CRPLATE6	PX	.001	.001	0	0
79	FACE2	PX	.02	.02	0	0
80	FACE1	PX	.04	.04	0	0
81	FACE3	PX	.04	.04	0	0
82	HSRK1	PX	.01	.01	0	0
83	HSRK2	PX	.01	.01	0	0
84	HSRK3	PX	.01	.01	0	0
85	HSRK4	PX	.01	.01	0	0
86	HSRK5	PX	.01	.01	0	0
87	HSRK6	PX	.01	.01	0	0
88	KICKER1	PX	.008	.008	0	0
89	KICKER2	PX	.008	.008	0	0
90	KICKER3	PX	.008	.008	0	0
91	MP ALPHA1	PX	.009	.009	0	0
92	MP ALPHA2	PX	.009	.009	0	0
93	MP ALPHA3	PX	.009	.009	0	0
94	MP ALPHA4	PX	.009	.009	0	0
95	MP ALPHA5	PX	.009	.009	0	0
96	MP ALPHA6	PX	.009	.009	0	0
97	MP ALPHA7	PX	.009	.009	0	0
98	MP BETA1	PX	.009	.009	0	0
99	MP BETA2	PX	.009	.009	0	0
100	MP BETA3	PX	.009	.009	0	0
101	MP BETA4	PX	.009	.009	0	0
102	MP BETA5	PX	.009	.009	0	0
103	MP GAMMA1	PX	.009	.009	0	0
104	MP GAMMA2	PX	.009	.009	0	0
105	MP GAMMA3	PX	.009	.009	0	0
106	MP GAMMA4	PX	.009	.009	0	0
107	MP GAMMA5	PX	.009	.009	0	0
108	MP GAMMA6	PX	.009	.009	0	0
109	PLATE1	PX	.002	.002	0	0
110	PLATE2	PX	.002	.002	0	0
111	PLATE3	PX	.002	.002	0	0
112	RAIL2	PX	.01	.01	0	0
113	RAIL1	PX	.02	.02	0	0
114	RAIL3	PX	.02	.02	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
115	SO1A	PX	.008	.008	0	0
116	SO2A	PX	.008	.008	0	0
117	SO3A	PX	.008	.008	0	0
118	76		.002	.002	0	0
119	76		.002	.002	0	0
120	76		.002	.002	0	0
121	76		.002	.002	0	0
122	76		.002	.002	0	0
123	76		.002	.002	0	0
124	76		.003	.003	0	0
125	76		.003	.003	0	0
126	76		.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PX	.011	.011	0	0
2	ANGLE2	PX	.011	.011	0	0
3	ANGLE3	PX	.011	.011	0	0
4	CONNECTION1	PX	.000953	.000953	0	0
5	CONNECTION2	PX	.000953	.000953	0	0
6	CONNECTION3	PX	.000953	.000953	0	0
7	CORNER1	PX	.015	.015	0	0
8	CORNER2	PX	.015	.015	0	0
9	CORNER3	PX	.015	.015	0	0
10	CRPLATE1	PX	.001	.001	0	0
11	CRPLATE2	PX	.001	.001	0	0
12	CRPLATE3	PX	.001	.001	0	0
13	CRPLATE4	PX	.001	.001	0	0
14	CRPLATE5	PX	.001	.001	0	0
15	CRPLATE6	PX	.001	.001	0	0
16	FACE2	PX	.023	.023	0	0
17	FACE1	PX	.046	.046	0	0
18	FACE3	PX	.046	.046	0	0
19	HSRK1	PX	.011	.011	0	0
20	HSRK2	PX	.011	.011	0	0
21	HSRK3	PX	.011	.011	0	0
22	HSRK4	PX	.011	.011	0	0
23	HSRK5	PX	.011	.011	0	0
24	HSRK6	PX	.011	.011	0	0
25	KICKER1	PX	.01	.01	0	0
26	KICKER2	PX	.01	.01	0	0
27	KICKER3	PX	.01	.01	0	0
28	MP ALPHA1	PX	.011	.011	0	0
29	MP ALPHA2	PX	.011	.011	0	0
30	MP ALPHA3	PX	.011	.011	0	0
31	MP ALPHA4	PX	.011	.011	0	0
32	MP ALPHA5	PX	.011	.011	0	0
33	MP ALPHA6	PX	.011	.011	0	0
34	MP ALPHA7	PX	.011	.011	0	0
35	MP BETA1	PX	.011	.011	0	0
36	MP BETA2	PX	.011	.011	0	0
37	MP BETA3	PX	.011	.011	0	0
38	MP BETA4	PX	.011	.011	0	0
39	MP BETA5	PX	.011	.011	0	0
40	MP GAMMA1	PX	.011	.011	0	0
41	MP GAMMA2	PX	.011	.011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
42	MP GAMMA3	PX	.011	.011	0	0
43	MP GAMMA4	PX	.011	.011	0	0
44	MP GAMMA5	PX	.011	.011	0	0
45	MP GAMMA6	PX	.011	.011	0	0
46	PLATE1	PX	.002	.002	0	0
47	PLATE2	PX	.002	.002	0	0
48	PLATE3	PX	.002	.002	0	0
49	RAIL2	PX	.011	.011	0	0
50	RAIL1	PX	.023	.023	0	0
51	RAIL3	PX	.023	.023	0	0
52	SO1A	PX	.01	.01	0	0
53	SO2A	PX	.01	.01	0	0
54	SO3A	PX	.01	.01	0	0
55	76		.002	.002	0	0
56	76		.002	.002	0	0
57	76		.002	.002	0	0
58	76		.002	.002	0	0
59	76		.002	.002	0	0
60	76		.002	.002	0	0
61	76		.003	.003	0	0
62	76		.003	.003	0	0
63	76		.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-.006	-.006	0	0
2	ANGLE2	PY	-.006	-.006	0	0
3	ANGLE3	PY	-.006	-.006	0	0
4	CONNECTION1	PY	-.000477	-.000477	0	0
5	CONNECTION2	PY	-.000477	-.000477	0	0
6	CONNECTION3	PY	-.000477	-.000477	0	0
7	CORNER1	PY	-.008	-.008	0	0
8	CORNER2	PY	-.008	-.008	0	0
9	CORNER3	PY	-.008	-.008	0	0
10	CRPLATE1	PY	-.000715	-.000715	0	0
11	CRPLATE2	PY	-.000715	-.000715	0	0
12	CRPLATE3	PY	-.000715	-.000715	0	0
13	CRPLATE4	PY	-.000715	-.000715	0	0
14	CRPLATE5	PY	-.000715	-.000715	0	0
15	CRPLATE6	PY	-.000715	-.000715	0	0
16	FACE2	PY	-.011	-.011	0	0
17	FACE1	PY	-.023	-.023	0	0
18	FACE3	PY	-.023	-.023	0	0
19	HSRK1	PY	-.006	-.006	0	0
20	HSRK2	PY	-.006	-.006	0	0
21	HSRK3	PY	-.006	-.006	0	0
22	HSRK4	PY	-.006	-.006	0	0
23	HSRK5	PY	-.006	-.006	0	0
24	HSRK6	PY	-.006	-.006	0	0
25	KICKER1	PY	-.005	-.005	0	0
26	KICKER2	PY	-.005	-.005	0	0
27	KICKER3	PY	-.005	-.005	0	0
28	MP ALPHA1	PY	-.005	-.005	0	0
29	MP ALPHA2	PY	-.005	-.005	0	0
30	MP ALPHA3	PY	-.005	-.005	0	0
31	MP ALPHA4	PY	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
32	MP ALPHA5	PY	-.005	-.005	0	0
33	MP ALPHA6	PY	-.005	-.005	0	0
34	MP ALPHA7	PY	-.005	-.005	0	0
35	MP BETA1	PY	-.005	-.005	0	0
36	MP BETA2	PY	-.005	-.005	0	0
37	MP BETA3	PY	-.005	-.005	0	0
38	MP BETA4	PY	-.005	-.005	0	0
39	MP BETA5	PY	-.005	-.005	0	0
40	MP GAMMA1	PY	-.005	-.005	0	0
41	MP GAMMA2	PY	-.005	-.005	0	0
42	MP GAMMA3	PY	-.005	-.005	0	0
43	MP GAMMA4	PY	-.005	-.005	0	0
44	MP GAMMA5	PY	-.005	-.005	0	0
45	MP GAMMA6	PY	-.005	-.005	0	0
46	PLATE1	PY	-.000953	-.000953	0	0
47	PLATE2	PY	-.000953	-.000953	0	0
48	PLATE3	PY	-.000953	-.000953	0	0
49	RAIL2	PY	-.006	-.006	0	0
50	RAIL1	PY	-.011	-.011	0	0
51	RAIL3	PY	-.011	-.011	0	0
52	SO1A	PY	-.005	-.005	0	0
53	SO2A	PY	-.005	-.005	0	0
54	SO3A	PY	-.005	-.005	0	0
55	86		.000953	-.000953	0	0
56	86		.000953	-.000953	0	0
57	86		.000953	-.000953	0	0
58	86		.000953	-.000953	0	0
59	86		.000953	-.000953	0	0
60	86		.000953	-.000953	0	0
61	86		.002	-.002	0	0
62	86		.002	-.002	0	0
63	86		.002	-.002	0	0
64	ANGLE1	PX	.01	.01	0	0
65	ANGLE2	PX	.01	.01	0	0
66	ANGLE3	PX	.01	.01	0	0
67	CONNECTION1	PX	.000825	.000825	0	0
68	CONNECTION2	PX	.000825	.000825	0	0
69	CONNECTION3	PX	.000825	.000825	0	0
70	CORNER1	PX	.013	.013	0	0
71	CORNER2	PX	.013	.013	0	0
72	CORNER3	PX	.013	.013	0	0
73	CRPLATE1	PX	.001	.001	0	0
74	CRPLATE2	PX	.001	.001	0	0
75	CRPLATE3	PX	.001	.001	0	0
76	CRPLATE4	PX	.001	.001	0	0
77	CRPLATE5	PX	.001	.001	0	0
78	CRPLATE6	PX	.001	.001	0	0
79	FACE2	PX	.02	.02	0	0
80	FACE1	PX	.04	.04	0	0
81	FACE3	PX	.04	.04	0	0
82	HSRK1	PX	.01	.01	0	0
83	HSRK2	PX	.01	.01	0	0
84	HSRK3	PX	.01	.01	0	0
85	HSRK4	PX	.01	.01	0	0
86	HSRK5	PX	.01	.01	0	0
87	HSRK6	PX	.01	.01	0	0
88	KICKER1	PX	.008	.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
89	KICKER2	PX	.008	.008	0	0
90	KICKER3	PX	.008	.008	0	0
91	MP ALPHA1	PX	.009	.009	0	0
92	MP ALPHA2	PX	.009	.009	0	0
93	MP ALPHA3	PX	.009	.009	0	0
94	MP ALPHA4	PX	.009	.009	0	0
95	MP ALPHA5	PX	.009	.009	0	0
96	MP ALPHA6	PX	.009	.009	0	0
97	MP ALPHA7	PX	.009	.009	0	0
98	MP BETA1	PX	.009	.009	0	0
99	MP BETA2	PX	.009	.009	0	0
100	MP BETA3	PX	.009	.009	0	0
101	MP BETA4	PX	.009	.009	0	0
102	MP BETA5	PX	.009	.009	0	0
103	MP GAMMA1	PX	.009	.009	0	0
104	MP GAMMA2	PX	.009	.009	0	0
105	MP GAMMA3	PX	.009	.009	0	0
106	MP GAMMA4	PX	.009	.009	0	0
107	MP GAMMA5	PX	.009	.009	0	0
108	MP GAMMA6	PX	.009	.009	0	0
109	PLATE1	PX	.002	.002	0	0
110	PLATE2	PX	.002	.002	0	0
111	PLATE3	PX	.002	.002	0	0
112	RAIL2	PX	.01	.01	0	0
113	RAIL1	PX	.02	.02	0	0
114	RAIL3	PX	.02	.02	0	0
115	SO1A	PX	.008	.008	0	0
116	SO2A	PX	.008	.008	0	0
117	SO3A	PX	.008	.008	0	0
118	76		.002	.002	0	0
119	76		.002	.002	0	0
120	76		.002	.002	0	0
121	76		.002	.002	0	0
122	76		.002	.002	0	0
123	76		.002	.002	0	0
124	76		.003	.003	0	0
125	76		.003	.003	0	0
126	76		.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-.01	-.01	0	0
2	ANGLE2	PY	-.01	-.01	0	0
3	ANGLE3	PY	-.01	-.01	0	0
4	CONNECTION1	PY	-.000825	-.000825	0	0
5	CONNECTION2	PY	-.000825	-.000825	0	0
6	CONNECTION3	PY	-.000825	-.000825	0	0
7	CORNER1	PY	-.013	-.013	0	0
8	CORNER2	PY	-.013	-.013	0	0
9	CORNER3	PY	-.013	-.013	0	0
10	CRPLATE1	PY	-.001	-.001	0	0
11	CRPLATE2	PY	-.001	-.001	0	0
12	CRPLATE3	PY	-.001	-.001	0	0
13	CRPLATE4	PY	-.001	-.001	0	0
14	CRPLATE5	PY	-.001	-.001	0	0
15	CRPLATE6	PY	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
16	FACE1	PY	-.02	-.02	0	0
17	FACE2	PY	-.04	-.04	0	0
18	FACE3	PY	-.04	-.04	0	0
19	HSRK1	PY	-.01	-.01	0	0
20	HSRK2	PY	-.01	-.01	0	0
21	HSRK3	PY	-.01	-.01	0	0
22	HSRK4	PY	-.01	-.01	0	0
23	HSRK5	PY	-.01	-.01	0	0
24	HSRK6	PY	-.01	-.01	0	0
25	KICKER1	PY	-.008	-.008	0	0
26	KICKER2	PY	-.008	-.008	0	0
27	KICKER3	PY	-.008	-.008	0	0
28	MP ALPHA1	PY	-.009	-.009	0	0
29	MP ALPHA2	PY	-.009	-.009	0	0
30	MP ALPHA3	PY	-.009	-.009	0	0
31	MP ALPHA4	PY	-.009	-.009	0	0
32	MP ALPHA5	PY	-.009	-.009	0	0
33	MP ALPHA6	PY	-.009	-.009	0	0
34	MP ALPHA7	PY	-.009	-.009	0	0
35	MP BETA1	PY	-.009	-.009	0	0
36	MP BETA2	PY	-.009	-.009	0	0
37	MP BETA3	PY	-.009	-.009	0	0
38	MP BETA4	PY	-.009	-.009	0	0
39	MP BETA5	PY	-.009	-.009	0	0
40	MP GAMMA1	PY	-.009	-.009	0	0
41	MP GAMMA2	PY	-.009	-.009	0	0
42	MP GAMMA3	PY	-.009	-.009	0	0
43	MP GAMMA4	PY	-.009	-.009	0	0
44	MP GAMMA5	PY	-.009	-.009	0	0
45	MP GAMMA6	PY	-.009	-.009	0	0
46	PLATE1	PY	-.002	-.002	0	0
47	PLATE2	PY	-.002	-.002	0	0
48	PLATE3	PY	-.002	-.002	0	0
49	RAIL1	PY	-.01	-.01	0	0
50	RAIL2	PY	-.02	-.02	0	0
51	RAIL3	PY	-.02	-.02	0	0
52	SO1A	PY	-.008	-.008	0	0
53	SO2A	PY	-.008	-.008	0	0
54	SO3A	PY	-.008	-.008	0	0
55	86		.002	-.002	0	0
56	86		.002	-.002	0	0
57	86		.002	-.002	0	0
58	86		.002	-.002	0	0
59	86		.002	-.002	0	0
60	86		.002	-.002	0	0
61	86		.003	-.003	0	0
62	86		.003	-.003	0	0
63	86		.003	-.003	0	0
64	ANGLE1	PX	.006	.006	0	0
65	ANGLE2	PX	.006	.006	0	0
66	ANGLE3	PX	.006	.006	0	0
67	CONNECTION1	PX	.000477	.000477	0	0
68	CONNECTION2	PX	.000477	.000477	0	0
69	CONNECTION3	PX	.000477	.000477	0	0
70	CORNER1	PX	.008	.008	0	0
71	CORNER2	PX	.008	.008	0	0
72	CORNER3	PX	.008	.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
73	CRPLATE1	PX	.000715	.000715	0	0
74	CRPLATE2	PX	.000715	.000715	0	0
75	CRPLATE3	PX	.000715	.000715	0	0
76	CRPLATE4	PX	.000715	.000715	0	0
77	CRPLATE5	PX	.000715	.000715	0	0
78	CRPLATE6	PX	.000715	.000715	0	0
79	FACE1	PX	.011	.011	0	0
80	FACE2	PX	.023	.023	0	0
81	FACE3	PX	.023	.023	0	0
82	HSRK1	PX	.006	.006	0	0
83	HSRK2	PX	.006	.006	0	0
84	HSRK3	PX	.006	.006	0	0
85	HSRK4	PX	.006	.006	0	0
86	HSRK5	PX	.006	.006	0	0
87	HSRK6	PX	.006	.006	0	0
88	KICKER1	PX	.005	.005	0	0
89	KICKER2	PX	.005	.005	0	0
90	KICKER3	PX	.005	.005	0	0
91	MP ALPHA1	PX	.005	.005	0	0
92	MP ALPHA2	PX	.005	.005	0	0
93	MP ALPHA3	PX	.005	.005	0	0
94	MP ALPHA4	PX	.005	.005	0	0
95	MP ALPHA5	PX	.005	.005	0	0
96	MP ALPHA6	PX	.005	.005	0	0
97	MP ALPHA7	PX	.005	.005	0	0
98	MP BETA1	PX	.005	.005	0	0
99	MP BETA2	PX	.005	.005	0	0
100	MP BETA3	PX	.005	.005	0	0
101	MP BETA4	PX	.005	.005	0	0
102	MP BETA5	PX	.005	.005	0	0
103	MP GAMMA1	PX	.005	.005	0	0
104	MP GAMMA2	PX	.005	.005	0	0
105	MP GAMMA3	PX	.005	.005	0	0
106	MP GAMMA4	PX	.005	.005	0	0
107	MP GAMMA5	PX	.005	.005	0	0
108	MP GAMMA6	PX	.005	.005	0	0
109	PLATE1	PX	.000953	.000953	0	0
110	PLATE2	PX	.000953	.000953	0	0
111	PLATE3	PX	.000953	.000953	0	0
112	RAIL1	PX	.006	.006	0	0
113	RAIL2	PX	.011	.011	0	0
114	RAIL3	PX	.011	.011	0	0
115	SO1A	PX	.005	.005	0	0
116	SO2A	PX	.005	.005	0	0
117	SO3A	PX	.005	.005	0	0
118	76		.000953	.000953	0	0
119	76		.000953	.000953	0	0
120	76		.000953	.000953	0	0
121	76		.000953	.000953	0	0
122	76		.000953	.000953	0	0
123	76		.000953	.000953	0	0
124	76		.002	.002	0	0
125	76		.002	.002	0	0
126	76		.002	.002	0	0

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

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

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-0.000659	-0.000659	0	0
2	ANGLE2	PY	-0.000659	-0.000659	0	0
3	ANGLE3	PY	-0.000659	-0.000659	0	0
4	CONNECTION1	PY	-5.5e-5	-5.5e-5	0	0
5	CONNECTION2	PY	-5.5e-5	-5.5e-5	0	0
6	CONNECTION3	PY	-5.5e-5	-5.5e-5	0	0
7	CORNER1	PY	-0.000878	-0.000878	0	0
8	CORNER2	PY	-0.000878	-0.000878	0	0
9	CORNER3	PY	-0.000878	-0.000878	0	0
10	CRPLATE1	PY	-8.2e-5	-8.2e-5	0	0
11	CRPLATE2	PY	-8.2e-5	-8.2e-5	0	0
12	CRPLATE3	PY	-8.2e-5	-8.2e-5	0	0
13	CRPLATE4	PY	-8.2e-5	-8.2e-5	0	0
14	CRPLATE5	PY	-8.2e-5	-8.2e-5	0	0
15	CRPLATE6	PY	-8.2e-5	-8.2e-5	0	0
16	FACE1	PY	-0.001	-0.001	0	0
17	FACE2	PY	-0.003	-0.003	0	0
18	FACE3	PY	-0.003	-0.003	0	0
19	HSRK1	PY	-0.000659	-0.000659	0	0
20	HSRK2	PY	-0.000659	-0.000659	0	0
21	HSRK3	PY	-0.000659	-0.000659	0	0
22	HSRK4	PY	-0.000659	-0.000659	0	0
23	HSRK5	PY	-0.000659	-0.000659	0	0
24	HSRK6	PY	-0.000659	-0.000659	0	0
25	KICKER1	PY	-0.000549	-0.000549	0	0
26	KICKER2	PY	-0.000549	-0.000549	0	0
27	KICKER3	PY	-0.000549	-0.000549	0	0
28	MP ALPHA1	PY	-0.000627	-0.000627	0	0
29	MP ALPHA2	PY	-0.000627	-0.000627	0	0
30	MP ALPHA3	PY	-0.000627	-0.000627	0	0
31	MP ALPHA4	PY	-0.000627	-0.000627	0	0
32	MP ALPHA5	PY	-0.000627	-0.000627	0	0
33	MP ALPHA6	PY	-0.000627	-0.000627	0	0
34	MP ALPHA7	PY	-0.000627	-0.000627	0	0
35	MP BETA1	PY	-0.000627	-0.000627	0	0
36	MP BETA2	PY	-0.000627	-0.000627	0	0
37	MP BETA3	PY	-0.000627	-0.000627	0	0
38	MP BETA4	PY	-0.000627	-0.000627	0	0
39	MP BETA5	PY	-0.000627	-0.000627	0	0
40	MP GAMMA1	PY	-0.000627	-0.000627	0	0
41	MP GAMMA2	PY	-0.000627	-0.000627	0	0
42	MP GAMMA3	PY	-0.000627	-0.000627	0	0
43	MP GAMMA4	PY	-0.000627	-0.000627	0	0
44	MP GAMMA5	PY	-0.000627	-0.000627	0	0
45	MP GAMMA6	PY	-0.000627	-0.000627	0	0
46	PLATE1	PY	-0.00011	-0.00011	0	0
47	PLATE2	PY	-0.00011	-0.00011	0	0
48	PLATE3	PY	-0.00011	-0.00011	0	0
49	RAIL1	PY	-0.000659	-0.000659	0	0
50	RAIL2	PY	-0.001	-0.001	0	0
51	RAIL3	PY	-0.001	-0.001	0	0
52	SO1A	PY	-0.000549	-0.000549	0	0
53	SO2A	PY	-0.000549	-0.000549	0	0
54	SO3A	PY	-0.000549	-0.000549	0	0
55	86		.00011	-0.00011	0	0
56	86		.00011	-0.00011	0	0
57	86		.00011	-0.00011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
58	86		.00011	-.00011	0	0
59	86		.00011	-.00011	0	0
60	86		.00011	-.00011	0	0
61	86		.000194	-.000194	0	0
62	86		.000194	-.000194	0	0
63	86		.000194	-.000194	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-.000571	-.000571	0	0
2	ANGLE2	PY	-.000571	-.000571	0	0
3	ANGLE3	PY	-.000571	-.000571	0	0
4	CONNECTION1	PY	-4.8e-5	-4.8e-5	0	0
5	CONNECTION2	PY	-4.8e-5	-4.8e-5	0	0
6	CONNECTION3	PY	-4.8e-5	-4.8e-5	0	0
7	CORNER1	PY	-.000761	-.000761	0	0
8	CORNER2	PY	-.000761	-.000761	0	0
9	CORNER3	PY	-.000761	-.000761	0	0
10	CRPLATE1	PY	-7.1e-5	-7.1e-5	0	0
11	CRPLATE2	PY	-7.1e-5	-7.1e-5	0	0
12	CRPLATE3	PY	-7.1e-5	-7.1e-5	0	0
13	CRPLATE4	PY	-7.1e-5	-7.1e-5	0	0
14	CRPLATE5	PY	-7.1e-5	-7.1e-5	0	0
15	CRPLATE6	PY	-7.1e-5	-7.1e-5	0	0
16	FACE1	PY	-.001	-.001	0	0
17	FACE2	PY	-.002	-.002	0	0
18	FACE3	PY	-.002	-.002	0	0
19	HSRK1	PY	-.000571	-.000571	0	0
20	HSRK2	PY	-.000571	-.000571	0	0
21	HSRK3	PY	-.000571	-.000571	0	0
22	HSRK4	PY	-.000571	-.000571	0	0
23	HSRK5	PY	-.000571	-.000571	0	0
24	HSRK6	PY	-.000571	-.000571	0	0
25	KICKER1	PY	-.000475	-.000475	0	0
26	KICKER2	PY	-.000475	-.000475	0	0
27	KICKER3	PY	-.000475	-.000475	0	0
28	MP ALPHA1	PY	-.000543	-.000543	0	0
29	MP ALPHA2	PY	-.000543	-.000543	0	0
30	MP ALPHA3	PY	-.000543	-.000543	0	0
31	MP ALPHA4	PY	-.000543	-.000543	0	0
32	MP ALPHA5	PY	-.000543	-.000543	0	0
33	MP ALPHA6	PY	-.000543	-.000543	0	0
34	MP ALPHA7	PY	-.000543	-.000543	0	0
35	MP BETA1	PY	-.000543	-.000543	0	0
36	MP BETA2	PY	-.000543	-.000543	0	0
37	MP BETA3	PY	-.000543	-.000543	0	0
38	MP BETA4	PY	-.000543	-.000543	0	0
39	MP BETA5	PY	-.000543	-.000543	0	0
40	MP GAMMA1	PY	-.000543	-.000543	0	0
41	MP GAMMA2	PY	-.000543	-.000543	0	0
42	MP GAMMA3	PY	-.000543	-.000543	0	0
43	MP GAMMA4	PY	-.000543	-.000543	0	0
44	MP GAMMA5	PY	-.000543	-.000543	0	0
45	MP GAMMA6	PY	-.000543	-.000543	0	0
46	PLATE1	PY	-9.5e-5	-9.5e-5	0	0
47	PLATE2	PY	-9.5e-5	-9.5e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
48	PLATE3	PY	-9.5e-5	-9.5e-5	0	0
49	RAIL1	PY	-0.00571	-0.00571	0	0
50	RAIL2	PY	-0.001	-0.001	0	0
51	RAIL3	PY	-0.001	-0.001	0	0
52	SO1A	PY	-0.000475	-0.000475	0	0
53	SO2A	PY	-0.000475	-0.000475	0	0
54	SO3A	PY	-0.000475	-0.000475	0	0
55	86		9.5e-5	-9.5e-5	0	0
56	86		9.5e-5	-9.5e-5	0	0
57	86		9.5e-5	-9.5e-5	0	0
58	86		9.5e-5	-9.5e-5	0	0
59	86		9.5e-5	-9.5e-5	0	0
60	86		9.5e-5	-9.5e-5	0	0
61	86		.000168	-0.000168	0	0
62	86		.000168	-0.000168	0	0
63	86		.000168	-0.000168	0	0
64	ANGLE1	PX	-0.000329	-0.000329	0	0
65	ANGLE2	PX	-0.000329	-0.000329	0	0
66	ANGLE3	PX	-0.000329	-0.000329	0	0
67	CONNECTION1	PX	-2.7e-5	-2.7e-5	0	0
68	CONNECTION2	PX	-2.7e-5	-2.7e-5	0	0
69	CONNECTION3	PX	-2.7e-5	-2.7e-5	0	0
70	CORNER1	PX	-0.000439	-0.000439	0	0
71	CORNER2	PX	-0.000439	-0.000439	0	0
72	CORNER3	PX	-0.000439	-0.000439	0	0
73	CRPLATE1	PX	-4.1e-5	-4.1e-5	0	0
74	CRPLATE2	PX	-4.1e-5	-4.1e-5	0	0
75	CRPLATE3	PX	-4.1e-5	-4.1e-5	0	0
76	CRPLATE4	PX	-4.1e-5	-4.1e-5	0	0
77	CRPLATE5	PX	-4.1e-5	-4.1e-5	0	0
78	CRPLATE6	PX	-4.1e-5	-4.1e-5	0	0
79	FACE1	PX	-0.00659	-0.00659	0	0
80	FACE2	PX	-0.001	-0.001	0	0
81	FACE3	PX	-0.001	-0.001	0	0
82	HSRK1	PX	-0.000329	-0.000329	0	0
83	HSRK2	PX	-0.000329	-0.000329	0	0
84	HSRK3	PX	-0.000329	-0.000329	0	0
85	HSRK4	PX	-0.000329	-0.000329	0	0
86	HSRK5	PX	-0.000329	-0.000329	0	0
87	HSRK6	PX	-0.000329	-0.000329	0	0
88	KICKER1	PX	-0.000275	-0.000275	0	0
89	KICKER2	PX	-0.000275	-0.000275	0	0
90	KICKER3	PX	-0.000275	-0.000275	0	0
91	MP ALPHA1	PX	-0.000313	-0.000313	0	0
92	MP ALPHA2	PX	-0.000313	-0.000313	0	0
93	MP ALPHA3	PX	-0.000313	-0.000313	0	0
94	MP ALPHA4	PX	-0.000313	-0.000313	0	0
95	MP ALPHA5	PX	-0.000313	-0.000313	0	0
96	MP ALPHA6	PX	-0.000313	-0.000313	0	0
97	MP ALPHA7	PX	-0.000313	-0.000313	0	0
98	MP BETA1	PX	-0.000313	-0.000313	0	0
99	MP BETA2	PX	-0.000313	-0.000313	0	0
100	MP BETA3	PX	-0.000313	-0.000313	0	0
101	MP BETA4	PX	-0.000313	-0.000313	0	0
102	MP BETA5	PX	-0.000313	-0.000313	0	0
103	MP GAMMA1	PX	-0.000313	-0.000313	0	0
104	MP GAMMA2	PX	-0.000313	-0.000313	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
105	MP GAMMA3	PX	-0.000313	-0.000313	0	0
106	MP GAMMA4	PX	-0.000313	-0.000313	0	0
107	MP GAMMA5	PX	-0.000313	-0.000313	0	0
108	MP GAMMA6	PX	-0.000313	-0.000313	0	0
109	PLATE1	PX	-5.5e-5	-5.5e-5	0	0
110	PLATE2	PX	-5.5e-5	-5.5e-5	0	0
111	PLATE3	PX	-5.5e-5	-5.5e-5	0	0
112	RAIL1	PX	-0.000329	-0.000329	0	0
113	RAIL2	PX	-0.000659	-0.000659	0	0
114	RAIL3	PX	-0.000659	-0.000659	0	0
115	SO1A	PX	-0.000275	-0.000275	0	0
116	SO2A	PX	-0.000275	-0.000275	0	0
117	SO3A	PX	-0.000275	-0.000275	0	0
118	76		5.5e-5	-5.5e-5	0	0
119	76		5.5e-5	-5.5e-5	0	0
120	76		5.5e-5	-5.5e-5	0	0
121	76		5.5e-5	-5.5e-5	0	0
122	76		5.5e-5	-5.5e-5	0	0
123	76		5.5e-5	-5.5e-5	0	0
124	76		9.7e-5	-9.7e-5	0	0
125	76		9.7e-5	-9.7e-5	0	0
126	76		9.7e-5	-9.7e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-0.000329	-0.000329	0	0
2	ANGLE2	PY	-0.000329	-0.000329	0	0
3	ANGLE3	PY	-0.000329	-0.000329	0	0
4	CONNECTION1	PY	-2.7e-5	-2.7e-5	0	0
5	CONNECTION2	PY	-2.7e-5	-2.7e-5	0	0
6	CONNECTION3	PY	-2.7e-5	-2.7e-5	0	0
7	CORNER1	PY	-0.000439	-0.000439	0	0
8	CORNER2	PY	-0.000439	-0.000439	0	0
9	CORNER3	PY	-0.000439	-0.000439	0	0
10	CRPLATE1	PY	-4.1e-5	-4.1e-5	0	0
11	CRPLATE2	PY	-4.1e-5	-4.1e-5	0	0
12	CRPLATE3	PY	-4.1e-5	-4.1e-5	0	0
13	CRPLATE4	PY	-4.1e-5	-4.1e-5	0	0
14	CRPLATE5	PY	-4.1e-5	-4.1e-5	0	0
15	CRPLATE6	PY	-4.1e-5	-4.1e-5	0	0
16	FACE1	PY	-0.000659	-0.000659	0	0
17	FACE2	PY	-0.001	-0.001	0	0
18	FACE3	PY	-0.001	-0.001	0	0
19	HSRK1	PY	-0.000329	-0.000329	0	0
20	HSRK2	PY	-0.000329	-0.000329	0	0
21	HSRK3	PY	-0.000329	-0.000329	0	0
22	HSRK4	PY	-0.000329	-0.000329	0	0
23	HSRK5	PY	-0.000329	-0.000329	0	0
24	HSRK6	PY	-0.000329	-0.000329	0	0
25	KICKER1	PY	-0.000275	-0.000275	0	0
26	KICKER2	PY	-0.000275	-0.000275	0	0
27	KICKER3	PY	-0.000275	-0.000275	0	0
28	MP ALPHA1	PY	-0.000313	-0.000313	0	0
29	MP ALPHA2	PY	-0.000313	-0.000313	0	0
30	MP ALPHA3	PY	-0.000313	-0.000313	0	0
31	MP ALPHA4	PY	-0.000313	-0.000313	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
32	MP ALPHA5	PY	-0.000313	-0.000313	0	0
33	MP ALPHA6	PY	-0.000313	-0.000313	0	0
34	MP ALPHA7	PY	-0.000313	-0.000313	0	0
35	MP BETA1	PY	-0.000313	-0.000313	0	0
36	MP BETA2	PY	-0.000313	-0.000313	0	0
37	MP BETA3	PY	-0.000313	-0.000313	0	0
38	MP BETA4	PY	-0.000313	-0.000313	0	0
39	MP BETA5	PY	-0.000313	-0.000313	0	0
40	MP GAMMA1	PY	-0.000313	-0.000313	0	0
41	MP GAMMA2	PY	-0.000313	-0.000313	0	0
42	MP GAMMA3	PY	-0.000313	-0.000313	0	0
43	MP GAMMA4	PY	-0.000313	-0.000313	0	0
44	MP GAMMA5	PY	-0.000313	-0.000313	0	0
45	MP GAMMA6	PY	-0.000313	-0.000313	0	0
46	PLATE1	PY	-5.5e-5	-5.5e-5	0	0
47	PLATE2	PY	-5.5e-5	-5.5e-5	0	0
48	PLATE3	PY	-5.5e-5	-5.5e-5	0	0
49	RAIL1	PY	-0.000329	-0.000329	0	0
50	RAIL2	PY	-0.000659	-0.000659	0	0
51	RAIL3	PY	-0.000659	-0.000659	0	0
52	SO1A	PY	-0.000275	-0.000275	0	0
53	SO2A	PY	-0.000275	-0.000275	0	0
54	SO3A	PY	-0.000275	-0.000275	0	0
55	86		5.5e-5	-5.5e-5	0	0
56	86		5.5e-5	-5.5e-5	0	0
57	86		5.5e-5	-5.5e-5	0	0
58	86		5.5e-5	-5.5e-5	0	0
59	86		5.5e-5	-5.5e-5	0	0
60	86		5.5e-5	-5.5e-5	0	0
61	86		9.7e-5	-9.7e-5	0	0
62	86		9.7e-5	-9.7e-5	0	0
63	86		9.7e-5	-9.7e-5	0	0
64	ANGLE1	PX	-0.000571	-0.000571	0	0
65	ANGLE2	PX	-0.000571	-0.000571	0	0
66	ANGLE3	PX	-0.000571	-0.000571	0	0
67	CONNECTION1	PX	-4.8e-5	-4.8e-5	0	0
68	CONNECTION2	PX	-4.8e-5	-4.8e-5	0	0
69	CONNECTION3	PX	-4.8e-5	-4.8e-5	0	0
70	CORNER1	PX	-0.000761	-0.000761	0	0
71	CORNER2	PX	-0.000761	-0.000761	0	0
72	CORNER3	PX	-0.000761	-0.000761	0	0
73	CRPLATE1	PX	-7.1e-5	-7.1e-5	0	0
74	CRPLATE2	PX	-7.1e-5	-7.1e-5	0	0
75	CRPLATE3	PX	-7.1e-5	-7.1e-5	0	0
76	CRPLATE4	PX	-7.1e-5	-7.1e-5	0	0
77	CRPLATE5	PX	-7.1e-5	-7.1e-5	0	0
78	CRPLATE6	PX	-7.1e-5	-7.1e-5	0	0
79	FACE1	PX	-0.001	-0.001	0	0
80	FACE2	PX	-0.002	-0.002	0	0
81	FACE3	PX	-0.002	-0.002	0	0
82	HSRK1	PX	-0.000571	-0.000571	0	0
83	HSRK2	PX	-0.000571	-0.000571	0	0
84	HSRK3	PX	-0.000571	-0.000571	0	0
85	HSRK4	PX	-0.000571	-0.000571	0	0
86	HSRK5	PX	-0.000571	-0.000571	0	0
87	HSRK6	PX	-0.000571	-0.000571	0	0
88	KICKER1	PX	-0.000475	-0.000475	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
89	KICKER2	PX	-0.000475	-0.000475	0	0
90	KICKER3	PX	-0.000475	-0.000475	0	0
91	MP ALPHA1	PX	-0.000543	-0.000543	0	0
92	MP ALPHA2	PX	-0.000543	-0.000543	0	0
93	MP ALPHA3	PX	-0.000543	-0.000543	0	0
94	MP ALPHA4	PX	-0.000543	-0.000543	0	0
95	MP ALPHA5	PX	-0.000543	-0.000543	0	0
96	MP ALPHA6	PX	-0.000543	-0.000543	0	0
97	MP ALPHA7	PX	-0.000543	-0.000543	0	0
98	MP BETA1	PX	-0.000543	-0.000543	0	0
99	MP BETA2	PX	-0.000543	-0.000543	0	0
100	MP BETA3	PX	-0.000543	-0.000543	0	0
101	MP BETA4	PX	-0.000543	-0.000543	0	0
102	MP BETA5	PX	-0.000543	-0.000543	0	0
103	MP GAMMA1	PX	-0.000543	-0.000543	0	0
104	MP GAMMA2	PX	-0.000543	-0.000543	0	0
105	MP GAMMA3	PX	-0.000543	-0.000543	0	0
106	MP GAMMA4	PX	-0.000543	-0.000543	0	0
107	MP GAMMA5	PX	-0.000543	-0.000543	0	0
108	MP GAMMA6	PX	-0.000543	-0.000543	0	0
109	PLATE1	PX	-9.5e-5	-9.5e-5	0	0
110	PLATE2	PX	-9.5e-5	-9.5e-5	0	0
111	PLATE3	PX	-9.5e-5	-9.5e-5	0	0
112	RAIL1	PX	-0.000571	-0.000571	0	0
113	RAIL2	PX	-0.001	-0.001	0	0
114	RAIL3	PX	-0.001	-0.001	0	0
115	SO1A	PX	-0.000475	-0.000475	0	0
116	SO2A	PX	-0.000475	-0.000475	0	0
117	SO3A	PX	-0.000475	-0.000475	0	0
118	76		9.5e-5	-9.5e-5	0	0
119	76		9.5e-5	-9.5e-5	0	0
120	76		9.5e-5	-9.5e-5	0	0
121	76		9.5e-5	-9.5e-5	0	0
122	76		9.5e-5	-9.5e-5	0	0
123	76		9.5e-5	-9.5e-5	0	0
124	76		.000168	-0.000168	0	0
125	76		.000168	-0.000168	0	0
126	76		.000168	-0.000168	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PX	-0.000659	-0.000659	0	0
2	ANGLE2	PX	-0.000659	-0.000659	0	0
3	ANGLE3	PX	-0.000659	-0.000659	0	0
4	CONNECTION1	PX	-5.5e-5	-5.5e-5	0	0
5	CONNECTION2	PX	-5.5e-5	-5.5e-5	0	0
6	CONNECTION3	PX	-5.5e-5	-5.5e-5	0	0
7	CORNER1	PX	-0.000878	-0.000878	0	0
8	CORNER2	PX	-0.000878	-0.000878	0	0
9	CORNER3	PX	-0.000878	-0.000878	0	0
10	CRPLATE1	PX	-8.2e-5	-8.2e-5	0	0
11	CRPLATE2	PX	-8.2e-5	-8.2e-5	0	0
12	CRPLATE3	PX	-8.2e-5	-8.2e-5	0	0
13	CRPLATE4	PX	-8.2e-5	-8.2e-5	0	0
14	CRPLATE5	PX	-8.2e-5	-8.2e-5	0	0
15	CRPLATE6	PX	-8.2e-5	-8.2e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
16	FACE3	PX	-.001	-.001	0	0
17	FACE2	PX	-.003	-.003	0	0
18	FACE1	PX	-.003	-.003	0	0
19	HSRK1	PX	-.000659	-.000659	0	0
20	HSRK2	PX	-.000659	-.000659	0	0
21	HSRK3	PX	-.000659	-.000659	0	0
22	HSRK4	PX	-.000659	-.000659	0	0
23	HSRK5	PX	-.000659	-.000659	0	0
24	HSRK6	PX	-.000659	-.000659	0	0
25	KICKER1	PX	-.000549	-.000549	0	0
26	KICKER2	PX	-.000549	-.000549	0	0
27	KICKER3	PX	-.000549	-.000549	0	0
28	MP ALPHA1	PX	-.000627	-.000627	0	0
29	MP ALPHA2	PX	-.000627	-.000627	0	0
30	MP ALPHA3	PX	-.000627	-.000627	0	0
31	MP ALPHA4	PX	-.000627	-.000627	0	0
32	MP ALPHA5	PX	-.000627	-.000627	0	0
33	MP ALPHA6	PX	-.000627	-.000627	0	0
34	MP ALPHA7	PX	-.000627	-.000627	0	0
35	MP BETA1	PX	-.000627	-.000627	0	0
36	MP BETA2	PX	-.000627	-.000627	0	0
37	MP BETA3	PX	-.000627	-.000627	0	0
38	MP BETA4	PX	-.000627	-.000627	0	0
39	MP BETA5	PX	-.000627	-.000627	0	0
40	MP GAMMA1	PX	-.000627	-.000627	0	0
41	MP GAMMA2	PX	-.000627	-.000627	0	0
42	MP GAMMA3	PX	-.000627	-.000627	0	0
43	MP GAMMA4	PX	-.000627	-.000627	0	0
44	MP GAMMA5	PX	-.000627	-.000627	0	0
45	MP GAMMA6	PX	-.000627	-.000627	0	0
46	PLATE1	PX	-.00011	-.00011	0	0
47	PLATE2	PX	-.00011	-.00011	0	0
48	PLATE3	PX	-.00011	-.00011	0	0
49	RAIL3	PX	-.000659	-.000659	0	0
50	RAIL2	PX	-.001	-.001	0	0
51	RAIL1	PX	-.001	-.001	0	0
52	SO1A	PX	-.000549	-.000549	0	0
53	SO2A	PX	-.000549	-.000549	0	0
54	SO3A	PX	-.000549	-.000549	0	0
55	76		.00011	-.00011	0	0
56	76		.00011	-.00011	0	0
57	76		.00011	-.00011	0	0
58	76		.00011	-.00011	0	0
59	76		.00011	-.00011	0	0
60	76		.00011	-.00011	0	0
61	76		.000194	-.000194	0	0
62	76		.000194	-.000194	0	0
63	76		.000194	-.000194	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.000329	.000329	0	0
2	ANGLE2	PY	.000329	.000329	0	0
3	ANGLE3	PY	.000329	.000329	0	0
4	CONNECTION1	PY	2.7e-5	2.7e-5	0	0
5	CONNECTION2	PY	2.7e-5	2.7e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
6	CONNECTION3	PY	2.7e-5	2.7e-5	0	0
7	CORNER1	PY	.000439	.000439	0	0
8	CORNER2	PY	.000439	.000439	0	0
9	CORNER3	PY	.000439	.000439	0	0
10	CRPLATE1	PY	4.1e-5	4.1e-5	0	0
11	CRPLATE2	PY	4.1e-5	4.1e-5	0	0
12	CRPLATE3	PY	4.1e-5	4.1e-5	0	0
13	CRPLATE4	PY	4.1e-5	4.1e-5	0	0
14	CRPLATE5	PY	4.1e-5	4.1e-5	0	0
15	CRPLATE6	PY	4.1e-5	4.1e-5	0	0
16	FACE3	PY	.000659	.000659	0	0
17	FACE2	PY	.001	.001	0	0
18	FACE1	PY	.001	.001	0	0
19	HSRK1	PY	.000329	.000329	0	0
20	HSRK2	PY	.000329	.000329	0	0
21	HSRK3	PY	.000329	.000329	0	0
22	HSRK4	PY	.000329	.000329	0	0
23	HSRK5	PY	.000329	.000329	0	0
24	HSRK6	PY	.000329	.000329	0	0
25	KICKER1	PY	.000275	.000275	0	0
26	KICKER2	PY	.000275	.000275	0	0
27	KICKER3	PY	.000275	.000275	0	0
28	MP ALPHA1	PY	.000313	.000313	0	0
29	MP ALPHA2	PY	.000313	.000313	0	0
30	MP ALPHA3	PY	.000313	.000313	0	0
31	MP ALPHA4	PY	.000313	.000313	0	0
32	MP ALPHA5	PY	.000313	.000313	0	0
33	MP ALPHA6	PY	.000313	.000313	0	0
34	MP ALPHA7	PY	.000313	.000313	0	0
35	MP BETA1	PY	.000313	.000313	0	0
36	MP BETA2	PY	.000313	.000313	0	0
37	MP BETA3	PY	.000313	.000313	0	0
38	MP BETA4	PY	.000313	.000313	0	0
39	MP BETA5	PY	.000313	.000313	0	0
40	MP GAMMA1	PY	.000313	.000313	0	0
41	MP GAMMA2	PY	.000313	.000313	0	0
42	MP GAMMA3	PY	.000313	.000313	0	0
43	MP GAMMA4	PY	.000313	.000313	0	0
44	MP GAMMA5	PY	.000313	.000313	0	0
45	MP GAMMA6	PY	.000313	.000313	0	0
46	PLATE1	PY	5.5e-5	5.5e-5	0	0
47	PLATE2	PY	5.5e-5	5.5e-5	0	0
48	PLATE3	PY	5.5e-5	5.5e-5	0	0
49	RAIL3	PY	.000329	.000329	0	0
50	RAIL2	PY	.000659	.000659	0	0
51	RAIL1	PY	.000659	.000659	0	0
52	SO1A	PY	.000275	.000275	0	0
53	SO2A	PY	.000275	.000275	0	0
54	SO3A	PY	.000275	.000275	0	0
55	86		5.5e-5	5.5e-5	0	0
56	86		5.5e-5	5.5e-5	0	0
57	86		5.5e-5	5.5e-5	0	0
58	86		5.5e-5	5.5e-5	0	0
59	86		5.5e-5	5.5e-5	0	0
60	86		5.5e-5	5.5e-5	0	0
61	86		9.7e-5	9.7e-5	0	0
62	86		9.7e-5	9.7e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
63	86		9.7e-5	9.7e-5	0	0
64	ANGLE1	PX	-0.000571	-0.000571	0	0
65	ANGLE2	PX	-0.000571	-0.000571	0	0
66	ANGLE3	PX	-0.000571	-0.000571	0	0
67	CONNECTION1	PX	-4.8e-5	-4.8e-5	0	0
68	CONNECTION2	PX	-4.8e-5	-4.8e-5	0	0
69	CONNECTION3	PX	-4.8e-5	-4.8e-5	0	0
70	CORNER1	PX	-0.000761	-0.000761	0	0
71	CORNER2	PX	-0.000761	-0.000761	0	0
72	CORNER3	PX	-0.000761	-0.000761	0	0
73	CRPLATE1	PX	-7.1e-5	-7.1e-5	0	0
74	CRPLATE2	PX	-7.1e-5	-7.1e-5	0	0
75	CRPLATE3	PX	-7.1e-5	-7.1e-5	0	0
76	CRPLATE4	PX	-7.1e-5	-7.1e-5	0	0
77	CRPLATE5	PX	-7.1e-5	-7.1e-5	0	0
78	CRPLATE6	PX	-7.1e-5	-7.1e-5	0	0
79	FACE3	PX	-0.001	-0.001	0	0
80	FACE2	PX	-0.002	-0.002	0	0
81	FACE1	PX	-0.002	-0.002	0	0
82	HSRK1	PX	-0.000571	-0.000571	0	0
83	HSRK2	PX	-0.000571	-0.000571	0	0
84	HSRK3	PX	-0.000571	-0.000571	0	0
85	HSRK4	PX	-0.000571	-0.000571	0	0
86	HSRK5	PX	-0.000571	-0.000571	0	0
87	HSRK6	PX	-0.000571	-0.000571	0	0
88	KICKER1	PX	-0.000475	-0.000475	0	0
89	KICKER2	PX	-0.000475	-0.000475	0	0
90	KICKER3	PX	-0.000475	-0.000475	0	0
91	MP ALPHA1	PX	-0.000543	-0.000543	0	0
92	MP ALPHA2	PX	-0.000543	-0.000543	0	0
93	MP ALPHA3	PX	-0.000543	-0.000543	0	0
94	MP ALPHA4	PX	-0.000543	-0.000543	0	0
95	MP ALPHA5	PX	-0.000543	-0.000543	0	0
96	MP ALPHA6	PX	-0.000543	-0.000543	0	0
97	MP ALPHA7	PX	-0.000543	-0.000543	0	0
98	MP BETA1	PX	-0.000543	-0.000543	0	0
99	MP BETA2	PX	-0.000543	-0.000543	0	0
100	MP BETA3	PX	-0.000543	-0.000543	0	0
101	MP BETA4	PX	-0.000543	-0.000543	0	0
102	MP BETA5	PX	-0.000543	-0.000543	0	0
103	MP GAMMA1	PX	-0.000543	-0.000543	0	0
104	MP GAMMA2	PX	-0.000543	-0.000543	0	0
105	MP GAMMA3	PX	-0.000543	-0.000543	0	0
106	MP GAMMA4	PX	-0.000543	-0.000543	0	0
107	MP GAMMA5	PX	-0.000543	-0.000543	0	0
108	MP GAMMA6	PX	-0.000543	-0.000543	0	0
109	PLATE1	PX	-9.5e-5	-9.5e-5	0	0
110	PLATE2	PX	-9.5e-5	-9.5e-5	0	0
111	PLATE3	PX	-9.5e-5	-9.5e-5	0	0
112	RAIL3	PX	-0.000571	-0.000571	0	0
113	RAIL2	PX	-0.001	-0.001	0	0
114	RAIL1	PX	-0.001	-0.001	0	0
115	SO1A	PX	-0.000475	-0.000475	0	0
116	SO2A	PX	-0.000475	-0.000475	0	0
117	SO3A	PX	-0.000475	-0.000475	0	0
118	76		9.5e-5	-9.5e-5	0	0
119	76		9.5e-5	-9.5e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
120	76		9.5e-5	-9.5e-5	0	0
121	76		9.5e-5	-9.5e-5	0	0
122	76		9.5e-5	-9.5e-5	0	0
123	76		9.5e-5	-9.5e-5	0	0
124	76		.000168	-.000168	0	0
125	76		.000168	-.000168	0	0
126	76		.000168	-.000168	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.000571	.000571	0	0
2	ANGLE2	PY	.000571	.000571	0	0
3	ANGLE3	PY	.000571	.000571	0	0
4	CONNECTION1	PY	4.8e-5	4.8e-5	0	0
5	CONNECTION2	PY	4.8e-5	4.8e-5	0	0
6	CONNECTION3	PY	4.8e-5	4.8e-5	0	0
7	CORNER1	PY	.000761	.000761	0	0
8	CORNER2	PY	.000761	.000761	0	0
9	CORNER3	PY	.000761	.000761	0	0
10	CRPLATE1	PY	7.1e-5	7.1e-5	0	0
11	CRPLATE2	PY	7.1e-5	7.1e-5	0	0
12	CRPLATE3	PY	7.1e-5	7.1e-5	0	0
13	CRPLATE4	PY	7.1e-5	7.1e-5	0	0
14	CRPLATE5	PY	7.1e-5	7.1e-5	0	0
15	CRPLATE6	PY	7.1e-5	7.1e-5	0	0
16	FACE3	PY	.001	.001	0	0
17	FACE2	PY	.002	.002	0	0
18	FACE1	PY	.002	.002	0	0
19	HSRK1	PY	.000571	.000571	0	0
20	HSRK2	PY	.000571	.000571	0	0
21	HSRK3	PY	.000571	.000571	0	0
22	HSRK4	PY	.000571	.000571	0	0
23	HSRK5	PY	.000571	.000571	0	0
24	HSRK6	PY	.000571	.000571	0	0
25	KICKER1	PY	.000475	.000475	0	0
26	KICKER2	PY	.000475	.000475	0	0
27	KICKER3	PY	.000475	.000475	0	0
28	MP ALPHA1	PY	.000543	.000543	0	0
29	MP ALPHA2	PY	.000543	.000543	0	0
30	MP ALPHA3	PY	.000543	.000543	0	0
31	MP ALPHA4	PY	.000543	.000543	0	0
32	MP ALPHA5	PY	.000543	.000543	0	0
33	MP ALPHA6	PY	.000543	.000543	0	0
34	MP ALPHA7	PY	.000543	.000543	0	0
35	MP BETA1	PY	.000543	.000543	0	0
36	MP BETA2	PY	.000543	.000543	0	0
37	MP BETA3	PY	.000543	.000543	0	0
38	MP BETA4	PY	.000543	.000543	0	0
39	MP BETA5	PY	.000543	.000543	0	0
40	MP GAMMA1	PY	.000543	.000543	0	0
41	MP GAMMA2	PY	.000543	.000543	0	0
42	MP GAMMA3	PY	.000543	.000543	0	0
43	MP GAMMA4	PY	.000543	.000543	0	0
44	MP GAMMA5	PY	.000543	.000543	0	0
45	MP GAMMA6	PY	.000543	.000543	0	0
46	PLATE1	PY	9.5e-5	9.5e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
47	PLATE2	PY	9.5e-5	9.5e-5	0	0
48	PLATE3	PY	9.5e-5	9.5e-5	0	0
49	RAIL3	PY	.000571	.000571	0	0
50	RAIL2	PY	.001	.001	0	0
51	RAIL1	PY	.001	.001	0	0
52	SO1A	PY	.000475	.000475	0	0
53	SO2A	PY	.000475	.000475	0	0
54	SO3A	PY	.000475	.000475	0	0
55	86		9.5e-5	9.5e-5	0	0
56	86		9.5e-5	9.5e-5	0	0
57	86		9.5e-5	9.5e-5	0	0
58	86		9.5e-5	9.5e-5	0	0
59	86		9.5e-5	9.5e-5	0	0
60	86		9.5e-5	9.5e-5	0	0
61	86		.000168	.000168	0	0
62	86		.000168	.000168	0	0
63	86		.000168	.000168	0	0
64	ANGLE1	PX	-.000329	-.000329	0	0
65	ANGLE2	PX	-.000329	-.000329	0	0
66	ANGLE3	PX	-.000329	-.000329	0	0
67	CONNECTION1	PX	-2.7e-5	-2.7e-5	0	0
68	CONNECTION2	PX	-2.7e-5	-2.7e-5	0	0
69	CONNECTION3	PX	-2.7e-5	-2.7e-5	0	0
70	CORNER1	PX	-.000439	-.000439	0	0
71	CORNER2	PX	-.000439	-.000439	0	0
72	CORNER3	PX	-.000439	-.000439	0	0
73	CRPLATE1	PX	-4.1e-5	-4.1e-5	0	0
74	CRPLATE2	PX	-4.1e-5	-4.1e-5	0	0
75	CRPLATE3	PX	-4.1e-5	-4.1e-5	0	0
76	CRPLATE4	PX	-4.1e-5	-4.1e-5	0	0
77	CRPLATE5	PX	-4.1e-5	-4.1e-5	0	0
78	CRPLATE6	PX	-4.1e-5	-4.1e-5	0	0
79	FACE3	PX	-.000659	-.000659	0	0
80	FACE2	PX	-.001	-.001	0	0
81	FACE1	PX	-.001	-.001	0	0
82	HSRK1	PX	-.000329	-.000329	0	0
83	HSRK2	PX	-.000329	-.000329	0	0
84	HSRK3	PX	-.000329	-.000329	0	0
85	HSRK4	PX	-.000329	-.000329	0	0
86	HSRK5	PX	-.000329	-.000329	0	0
87	HSRK6	PX	-.000329	-.000329	0	0
88	KICKER1	PX	-.000275	-.000275	0	0
89	KICKER2	PX	-.000275	-.000275	0	0
90	KICKER3	PX	-.000275	-.000275	0	0
91	MP ALPHA1	PX	-.000313	-.000313	0	0
92	MP ALPHA2	PX	-.000313	-.000313	0	0
93	MP ALPHA3	PX	-.000313	-.000313	0	0
94	MP ALPHA4	PX	-.000313	-.000313	0	0
95	MP ALPHA5	PX	-.000313	-.000313	0	0
96	MP ALPHA6	PX	-.000313	-.000313	0	0
97	MP ALPHA7	PX	-.000313	-.000313	0	0
98	MP BETA1	PX	-.000313	-.000313	0	0
99	MP BETA2	PX	-.000313	-.000313	0	0
100	MP BETA3	PX	-.000313	-.000313	0	0
101	MP BETA4	PX	-.000313	-.000313	0	0
102	MP BETA5	PX	-.000313	-.000313	0	0
103	MP GAMMA1	PX	-.000313	-.000313	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
104	MP GAMMA2	PX	-0.000313	-0.000313	0	0
105	MP GAMMA3	PX	-0.000313	-0.000313	0	0
106	MP GAMMA4	PX	-0.000313	-0.000313	0	0
107	MP GAMMA5	PX	-0.000313	-0.000313	0	0
108	MP GAMMA6	PX	-0.000313	-0.000313	0	0
109	PLATE1	PX	-5.5e-5	-5.5e-5	0	0
110	PLATE2	PX	-5.5e-5	-5.5e-5	0	0
111	PLATE3	PX	-5.5e-5	-5.5e-5	0	0
112	RAIL3	PX	-0.000329	-0.000329	0	0
113	RAIL2	PX	-0.000659	-0.000659	0	0
114	RAIL1	PX	-0.000659	-0.000659	0	0
115	SO1A	PX	-0.000275	-0.000275	0	0
116	SO2A	PX	-0.000275	-0.000275	0	0
117	SO3A	PX	-0.000275	-0.000275	0	0
118	76		5.5e-5	-5.5e-5	0	0
119	76		5.5e-5	-5.5e-5	0	0
120	76		5.5e-5	-5.5e-5	0	0
121	76		5.5e-5	-5.5e-5	0	0
122	76		5.5e-5	-5.5e-5	0	0
123	76		5.5e-5	-5.5e-5	0	0
124	76		9.7e-5	-9.7e-5	0	0
125	76		9.7e-5	-9.7e-5	0	0
126	76		9.7e-5	-9.7e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.000659	.000659	0	0
2	ANGLE2	PY	.000659	.000659	0	0
3	ANGLE3	PY	.000659	.000659	0	0
4	CONNECTION1	PY	5.5e-5	5.5e-5	0	0
5	CONNECTION2	PY	5.5e-5	5.5e-5	0	0
6	CONNECTION3	PY	5.5e-5	5.5e-5	0	0
7	CORNER1	PY	.000878	.000878	0	0
8	CORNER2	PY	.000878	.000878	0	0
9	CORNER3	PY	.000878	.000878	0	0
10	CRPLATE1	PY	8.2e-5	8.2e-5	0	0
11	CRPLATE2	PY	8.2e-5	8.2e-5	0	0
12	CRPLATE3	PY	8.2e-5	8.2e-5	0	0
13	CRPLATE4	PY	8.2e-5	8.2e-5	0	0
14	CRPLATE5	PY	8.2e-5	8.2e-5	0	0
15	CRPLATE6	PY	8.2e-5	8.2e-5	0	0
16	FACE3	PY	.001	.001	0	0
17	FACE2	PY	.003	.003	0	0
18	FACE1	PY	.003	.003	0	0
19	HSRK1	PY	.000659	.000659	0	0
20	HSRK2	PY	.000659	.000659	0	0
21	HSRK3	PY	.000659	.000659	0	0
22	HSRK4	PY	.000659	.000659	0	0
23	HSRK5	PY	.000659	.000659	0	0
24	HSRK6	PY	.000659	.000659	0	0
25	KICKER1	PY	.000549	.000549	0	0
26	KICKER2	PY	.000549	.000549	0	0
27	KICKER3	PY	.000549	.000549	0	0
28	MP ALPHA1	PY	.000627	.000627	0	0
29	MP ALPHA2	PY	.000627	.000627	0	0
30	MP ALPHA3	PY	.000627	.000627	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
31	MP ALPHA4	PY	.000627	.000627	0	0
32	MP ALPHA5	PY	.000627	.000627	0	0
33	MP ALPHA6	PY	.000627	.000627	0	0
34	MP ALPHA7	PY	.000627	.000627	0	0
35	MP BETA1	PY	.000627	.000627	0	0
36	MP BETA2	PY	.000627	.000627	0	0
37	MP BETA3	PY	.000627	.000627	0	0
38	MP BETA4	PY	.000627	.000627	0	0
39	MP BETA5	PY	.000627	.000627	0	0
40	MP GAMMA1	PY	.000627	.000627	0	0
41	MP GAMMA2	PY	.000627	.000627	0	0
42	MP GAMMA3	PY	.000627	.000627	0	0
43	MP GAMMA4	PY	.000627	.000627	0	0
44	MP GAMMA5	PY	.000627	.000627	0	0
45	MP GAMMA6	PY	.000627	.000627	0	0
46	PLATE1	PY	.00011	.00011	0	0
47	PLATE2	PY	.00011	.00011	0	0
48	PLATE3	PY	.00011	.00011	0	0
49	RAIL3	PY	.000659	.000659	0	0
50	RAIL2	PY	.001	.001	0	0
51	RAIL1	PY	.001	.001	0	0
52	SO1A	PY	.000549	.000549	0	0
53	SO2A	PY	.000549	.000549	0	0
54	SO3A	PY	.000549	.000549	0	0
55	86		.00011	.00011	0	0
56	86		.00011	.00011	0	0
57	86		.00011	.00011	0	0
58	86		.00011	.00011	0	0
59	86		.00011	.00011	0	0
60	86		.00011	.00011	0	0
61	86		.000194	.000194	0	0
62	86		.000194	.000194	0	0
63	86		.000194	.000194	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.000571	.000571	0	0
2	ANGLE2	PY	.000571	.000571	0	0
3	ANGLE3	PY	.000571	.000571	0	0
4	CONNECTION1	PY	4.8e-5	4.8e-5	0	0
5	CONNECTION2	PY	4.8e-5	4.8e-5	0	0
6	CONNECTION3	PY	4.8e-5	4.8e-5	0	0
7	CORNER1	PY	.000761	.000761	0	0
8	CORNER2	PY	.000761	.000761	0	0
9	CORNER3	PY	.000761	.000761	0	0
10	CRPLATE1	PY	7.1e-5	7.1e-5	0	0
11	CRPLATE2	PY	7.1e-5	7.1e-5	0	0
12	CRPLATE3	PY	7.1e-5	7.1e-5	0	0
13	CRPLATE4	PY	7.1e-5	7.1e-5	0	0
14	CRPLATE5	PY	7.1e-5	7.1e-5	0	0
15	CRPLATE6	PY	7.1e-5	7.1e-5	0	0
16	FACE2	PY	.001	.001	0	0
17	FACE1	PY	.002	.002	0	0
18	FACE3	PY	.002	.002	0	0
19	HSRK1	PY	.000571	.000571	0	0
20	HSRK2	PY	.000571	.000571	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
21	HSRK3	PY	.000571	.000571	0	0
22	HSRK4	PY	.000571	.000571	0	0
23	HSRK5	PY	.000571	.000571	0	0
24	HSRK6	PY	.000571	.000571	0	0
25	KICKER1	PY	.000475	.000475	0	0
26	KICKER2	PY	.000475	.000475	0	0
27	KICKER3	PY	.000475	.000475	0	0
28	MP ALPHA1	PY	.000543	.000543	0	0
29	MP ALPHA2	PY	.000543	.000543	0	0
30	MP ALPHA3	PY	.000543	.000543	0	0
31	MP ALPHA4	PY	.000543	.000543	0	0
32	MP ALPHA5	PY	.000543	.000543	0	0
33	MP ALPHA6	PY	.000543	.000543	0	0
34	MP ALPHA7	PY	.000543	.000543	0	0
35	MP BETA1	PY	.000543	.000543	0	0
36	MP BETA2	PY	.000543	.000543	0	0
37	MP BETA3	PY	.000543	.000543	0	0
38	MP BETA4	PY	.000543	.000543	0	0
39	MP BETA5	PY	.000543	.000543	0	0
40	MP GAMMA1	PY	.000543	.000543	0	0
41	MP GAMMA2	PY	.000543	.000543	0	0
42	MP GAMMA3	PY	.000543	.000543	0	0
43	MP GAMMA4	PY	.000543	.000543	0	0
44	MP GAMMA5	PY	.000543	.000543	0	0
45	MP GAMMA6	PY	.000543	.000543	0	0
46	PLATE1	PY	9.5e-5	9.5e-5	0	0
47	PLATE2	PY	9.5e-5	9.5e-5	0	0
48	PLATE3	PY	9.5e-5	9.5e-5	0	0
49	RAIL2	PY	.000571	.000571	0	0
50	RAIL1	PY	.001	.001	0	0
51	RAIL3	PY	.001	.001	0	0
52	SO1A	PY	.000475	.000475	0	0
53	SO2A	PY	.000475	.000475	0	0
54	SO3A	PY	.000475	.000475	0	0
55	86		9.5e-5	9.5e-5	0	0
56	86		9.5e-5	9.5e-5	0	0
57	86		9.5e-5	9.5e-5	0	0
58	86		9.5e-5	9.5e-5	0	0
59	86		9.5e-5	9.5e-5	0	0
60	86		9.5e-5	9.5e-5	0	0
61	86		.000168	.000168	0	0
62	86		.000168	.000168	0	0
63	86		.000168	.000168	0	0
64	ANGLE1	PX	.000329	.000329	0	0
65	ANGLE2	PX	.000329	.000329	0	0
66	ANGLE3	PX	.000329	.000329	0	0
67	CONNECTION1	PX	2.7e-5	2.7e-5	0	0
68	CONNECTION2	PX	2.7e-5	2.7e-5	0	0
69	CONNECTION3	PX	2.7e-5	2.7e-5	0	0
70	CORNER1	PX	.000439	.000439	0	0
71	CORNER2	PX	.000439	.000439	0	0
72	CORNER3	PX	.000439	.000439	0	0
73	CRPLATE1	PX	4.1e-5	4.1e-5	0	0
74	CRPLATE2	PX	4.1e-5	4.1e-5	0	0
75	CRPLATE3	PX	4.1e-5	4.1e-5	0	0
76	CRPLATE4	PX	4.1e-5	4.1e-5	0	0
77	CRPLATE5	PX	4.1e-5	4.1e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
78	CRPLATE6	PX	4.1e-5	4.1e-5	0	0
79	FACE2	PX	.000659	.000659	0	0
80	FACE1	PX	.001	.001	0	0
81	FACE3	PX	.001	.001	0	0
82	HSRK1	PX	.000329	.000329	0	0
83	HSRK2	PX	.000329	.000329	0	0
84	HSRK3	PX	.000329	.000329	0	0
85	HSRK4	PX	.000329	.000329	0	0
86	HSRK5	PX	.000329	.000329	0	0
87	HSRK6	PX	.000329	.000329	0	0
88	KICKER1	PX	.000275	.000275	0	0
89	KICKER2	PX	.000275	.000275	0	0
90	KICKER3	PX	.000275	.000275	0	0
91	MP ALPHA1	PX	.000313	.000313	0	0
92	MP ALPHA2	PX	.000313	.000313	0	0
93	MP ALPHA3	PX	.000313	.000313	0	0
94	MP ALPHA4	PX	.000313	.000313	0	0
95	MP ALPHA5	PX	.000313	.000313	0	0
96	MP ALPHA6	PX	.000313	.000313	0	0
97	MP ALPHA7	PX	.000313	.000313	0	0
98	MP BETA1	PX	.000313	.000313	0	0
99	MP BETA2	PX	.000313	.000313	0	0
100	MP BETA3	PX	.000313	.000313	0	0
101	MP BETA4	PX	.000313	.000313	0	0
102	MP BETA5	PX	.000313	.000313	0	0
103	MP GAMMA1	PX	.000313	.000313	0	0
104	MP GAMMA2	PX	.000313	.000313	0	0
105	MP GAMMA3	PX	.000313	.000313	0	0
106	MP GAMMA4	PX	.000313	.000313	0	0
107	MP GAMMA5	PX	.000313	.000313	0	0
108	MP GAMMA6	PX	.000313	.000313	0	0
109	PLATE1	PX	5.5e-5	5.5e-5	0	0
110	PLATE2	PX	5.5e-5	5.5e-5	0	0
111	PLATE3	PX	5.5e-5	5.5e-5	0	0
112	RAIL2	PX	.000329	.000329	0	0
113	RAIL1	PX	.000659	.000659	0	0
114	RAIL3	PX	.000659	.000659	0	0
115	SO1A	PX	.000275	.000275	0	0
116	SO2A	PX	.000275	.000275	0	0
117	SO3A	PX	.000275	.000275	0	0
118	76		5.5e-5	5.5e-5	0	0
119	76		5.5e-5	5.5e-5	0	0
120	76		5.5e-5	5.5e-5	0	0
121	76		5.5e-5	5.5e-5	0	0
122	76		5.5e-5	5.5e-5	0	0
123	76		5.5e-5	5.5e-5	0	0
124	76		9.7e-5	9.7e-5	0	0
125	76		9.7e-5	9.7e-5	0	0
126	76		9.7e-5	9.7e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.000329	.000329	0	0
2	ANGLE2	PY	.000329	.000329	0	0
3	ANGLE3	PY	.000329	.000329	0	0
4	CONNECTION1	PY	2.7e-5	2.7e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
5	CONNECTION2	PY	2.7e-5	2.7e-5	0	0
6	CONNECTION3	PY	2.7e-5	2.7e-5	0	0
7	CORNER1	PY	.000439	.000439	0	0
8	CORNER2	PY	.000439	.000439	0	0
9	CORNER3	PY	.000439	.000439	0	0
10	CRPLATE1	PY	4.1e-5	4.1e-5	0	0
11	CRPLATE2	PY	4.1e-5	4.1e-5	0	0
12	CRPLATE3	PY	4.1e-5	4.1e-5	0	0
13	CRPLATE4	PY	4.1e-5	4.1e-5	0	0
14	CRPLATE5	PY	4.1e-5	4.1e-5	0	0
15	CRPLATE6	PY	4.1e-5	4.1e-5	0	0
16	FACE2	PY	.000659	.000659	0	0
17	FACE1	PY	.001	.001	0	0
18	FACE3	PY	.001	.001	0	0
19	HSRK1	PY	.000329	.000329	0	0
20	HSRK2	PY	.000329	.000329	0	0
21	HSRK3	PY	.000329	.000329	0	0
22	HSRK4	PY	.000329	.000329	0	0
23	HSRK5	PY	.000329	.000329	0	0
24	HSRK6	PY	.000329	.000329	0	0
25	KICKER1	PY	.000275	.000275	0	0
26	KICKER2	PY	.000275	.000275	0	0
27	KICKER3	PY	.000275	.000275	0	0
28	MP ALPHA1	PY	.000313	.000313	0	0
29	MP ALPHA2	PY	.000313	.000313	0	0
30	MP ALPHA3	PY	.000313	.000313	0	0
31	MP ALPHA4	PY	.000313	.000313	0	0
32	MP ALPHA5	PY	.000313	.000313	0	0
33	MP ALPHA6	PY	.000313	.000313	0	0
34	MP ALPHA7	PY	.000313	.000313	0	0
35	MP BETA1	PY	.000313	.000313	0	0
36	MP BETA2	PY	.000313	.000313	0	0
37	MP BETA3	PY	.000313	.000313	0	0
38	MP BETA4	PY	.000313	.000313	0	0
39	MP BETA5	PY	.000313	.000313	0	0
40	MP GAMMA1	PY	.000313	.000313	0	0
41	MP GAMMA2	PY	.000313	.000313	0	0
42	MP GAMMA3	PY	.000313	.000313	0	0
43	MP GAMMA4	PY	.000313	.000313	0	0
44	MP GAMMA5	PY	.000313	.000313	0	0
45	MP GAMMA6	PY	.000313	.000313	0	0
46	PLATE1	PY	5.5e-5	5.5e-5	0	0
47	PLATE2	PY	5.5e-5	5.5e-5	0	0
48	PLATE3	PY	5.5e-5	5.5e-5	0	0
49	RAIL2	PY	.000329	.000329	0	0
50	RAIL1	PY	.000659	.000659	0	0
51	RAIL3	PY	.000659	.000659	0	0
52	SO1A	PY	.000275	.000275	0	0
53	SO2A	PY	.000275	.000275	0	0
54	SO3A	PY	.000275	.000275	0	0
55	86		5.5e-5	5.5e-5	0	0
56	86		5.5e-5	5.5e-5	0	0
57	86		5.5e-5	5.5e-5	0	0
58	86		5.5e-5	5.5e-5	0	0
59	86		5.5e-5	5.5e-5	0	0
60	86		5.5e-5	5.5e-5	0	0
61	86		9.7e-5	9.7e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
62	86		9.7e-5	9.7e-5	0	0
63	86		9.7e-5	9.7e-5	0	0
64	ANGLE1	PX	.000571	.000571	0	0
65	ANGLE2	PX	.000571	.000571	0	0
66	ANGLE3	PX	.000571	.000571	0	0
67	CONNECTION1	PX	4.8e-5	4.8e-5	0	0
68	CONNECTION2	PX	4.8e-5	4.8e-5	0	0
69	CONNECTION3	PX	4.8e-5	4.8e-5	0	0
70	CORNER1	PX	.000761	.000761	0	0
71	CORNER2	PX	.000761	.000761	0	0
72	CORNER3	PX	.000761	.000761	0	0
73	CRPLATE1	PX	7.1e-5	7.1e-5	0	0
74	CRPLATE2	PX	7.1e-5	7.1e-5	0	0
75	CRPLATE3	PX	7.1e-5	7.1e-5	0	0
76	CRPLATE4	PX	7.1e-5	7.1e-5	0	0
77	CRPLATE5	PX	7.1e-5	7.1e-5	0	0
78	CRPLATE6	PX	7.1e-5	7.1e-5	0	0
79	FACE2	PX	.001	.001	0	0
80	FACE1	PX	.002	.002	0	0
81	FACE3	PX	.002	.002	0	0
82	HSRK1	PX	.000571	.000571	0	0
83	HSRK2	PX	.000571	.000571	0	0
84	HSRK3	PX	.000571	.000571	0	0
85	HSRK4	PX	.000571	.000571	0	0
86	HSRK5	PX	.000571	.000571	0	0
87	HSRK6	PX	.000571	.000571	0	0
88	KICKER1	PX	.000475	.000475	0	0
89	KICKER2	PX	.000475	.000475	0	0
90	KICKER3	PX	.000475	.000475	0	0
91	MP ALPHA1	PX	.000543	.000543	0	0
92	MP ALPHA2	PX	.000543	.000543	0	0
93	MP ALPHA3	PX	.000543	.000543	0	0
94	MP ALPHA4	PX	.000543	.000543	0	0
95	MP ALPHA5	PX	.000543	.000543	0	0
96	MP ALPHA6	PX	.000543	.000543	0	0
97	MP ALPHA7	PX	.000543	.000543	0	0
98	MP BETA1	PX	.000543	.000543	0	0
99	MP BETA2	PX	.000543	.000543	0	0
100	MP BETA3	PX	.000543	.000543	0	0
101	MP BETA4	PX	.000543	.000543	0	0
102	MP BETA5	PX	.000543	.000543	0	0
103	MP GAMMA1	PX	.000543	.000543	0	0
104	MP GAMMA2	PX	.000543	.000543	0	0
105	MP GAMMA3	PX	.000543	.000543	0	0
106	MP GAMMA4	PX	.000543	.000543	0	0
107	MP GAMMA5	PX	.000543	.000543	0	0
108	MP GAMMA6	PX	.000543	.000543	0	0
109	PLATE1	PX	9.5e-5	9.5e-5	0	0
110	PLATE2	PX	9.5e-5	9.5e-5	0	0
111	PLATE3	PX	9.5e-5	9.5e-5	0	0
112	RAIL2	PX	.000571	.000571	0	0
113	RAIL1	PX	.001	.001	0	0
114	RAIL3	PX	.001	.001	0	0
115	SO1A	PX	.000475	.000475	0	0
116	SO2A	PX	.000475	.000475	0	0
117	SO3A	PX	.000475	.000475	0	0
118	76		9.5e-5	9.5e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
119	76		9.5e-5	9.5e-5	0	0
120	76		9.5e-5	9.5e-5	0	0
121	76		9.5e-5	9.5e-5	0	0
122	76		9.5e-5	9.5e-5	0	0
123	76		9.5e-5	9.5e-5	0	0
124	76		.000168	.000168	0	0
125	76		.000168	.000168	0	0
126	76		.000168	.000168	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PX	.000659	.000659	0	0
2	ANGLE2	PX	.000659	.000659	0	0
3	ANGLE3	PX	.000659	.000659	0	0
4	CONNECTION1	PX	5.5e-5	5.5e-5	0	0
5	CONNECTION2	PX	5.5e-5	5.5e-5	0	0
6	CONNECTION3	PX	5.5e-5	5.5e-5	0	0
7	CORNER1	PX	.000878	.000878	0	0
8	CORNER2	PX	.000878	.000878	0	0
9	CORNER3	PX	.000878	.000878	0	0
10	CRPLATE1	PX	8.2e-5	8.2e-5	0	0
11	CRPLATE2	PX	8.2e-5	8.2e-5	0	0
12	CRPLATE3	PX	8.2e-5	8.2e-5	0	0
13	CRPLATE4	PX	8.2e-5	8.2e-5	0	0
14	CRPLATE5	PX	8.2e-5	8.2e-5	0	0
15	CRPLATE6	PX	8.2e-5	8.2e-5	0	0
16	FACE2	PX	.001	.001	0	0
17	FACE1	PX	.003	.003	0	0
18	FACE3	PX	.003	.003	0	0
19	HSRK1	PX	.000659	.000659	0	0
20	HSRK2	PX	.000659	.000659	0	0
21	HSRK3	PX	.000659	.000659	0	0
22	HSRK4	PX	.000659	.000659	0	0
23	HSRK5	PX	.000659	.000659	0	0
24	HSRK6	PX	.000659	.000659	0	0
25	KICKER1	PX	.000549	.000549	0	0
26	KICKER2	PX	.000549	.000549	0	0
27	KICKER3	PX	.000549	.000549	0	0
28	MP ALPHA1	PX	.000627	.000627	0	0
29	MP ALPHA2	PX	.000627	.000627	0	0
30	MP ALPHA3	PX	.000627	.000627	0	0
31	MP ALPHA4	PX	.000627	.000627	0	0
32	MP ALPHA5	PX	.000627	.000627	0	0
33	MP ALPHA6	PX	.000627	.000627	0	0
34	MP ALPHA7	PX	.000627	.000627	0	0
35	MP BETA1	PX	.000627	.000627	0	0
36	MP BETA2	PX	.000627	.000627	0	0
37	MP BETA3	PX	.000627	.000627	0	0
38	MP BETA4	PX	.000627	.000627	0	0
39	MP BETA5	PX	.000627	.000627	0	0
40	MP GAMMA1	PX	.000627	.000627	0	0
41	MP GAMMA2	PX	.000627	.000627	0	0
42	MP GAMMA3	PX	.000627	.000627	0	0
43	MP GAMMA4	PX	.000627	.000627	0	0
44	MP GAMMA5	PX	.000627	.000627	0	0
45	MP GAMMA6	PX	.000627	.000627	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
46	PLATE1	PX	.00011	.00011	0	0
47	PLATE2	PX	.00011	.00011	0	0
48	PLATE3	PX	.00011	.00011	0	0
49	RAIL2	PX	.000659	.000659	0	0
50	RAIL1	PX	.001	.001	0	0
51	RAIL3	PX	.001	.001	0	0
52	SO1A	PX	.000549	.000549	0	0
53	SO2A	PX	.000549	.000549	0	0
54	SO3A	PX	.000549	.000549	0	0
55	76		.00011	.00011	0	0
56	76		.00011	.00011	0	0
57	76		.00011	.00011	0	0
58	76		.00011	.00011	0	0
59	76		.00011	.00011	0	0
60	76		.00011	.00011	0	0
61	76		.000194	.000194	0	0
62	76		.000194	.000194	0	0
63	76		.000194	.000194	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-.000329	-.000329	0	0
2	ANGLE2	PY	-.000329	-.000329	0	0
3	ANGLE3	PY	-.000329	-.000329	0	0
4	CONNECTION1	PY	-2.7e-5	-2.7e-5	0	0
5	CONNECTION2	PY	-2.7e-5	-2.7e-5	0	0
6	CONNECTION3	PY	-2.7e-5	-2.7e-5	0	0
7	CORNER1	PY	-.000439	-.000439	0	0
8	CORNER2	PY	-.000439	-.000439	0	0
9	CORNER3	PY	-.000439	-.000439	0	0
10	CRPLATE1	PY	-4.1e-5	-4.1e-5	0	0
11	CRPLATE2	PY	-4.1e-5	-4.1e-5	0	0
12	CRPLATE3	PY	-4.1e-5	-4.1e-5	0	0
13	CRPLATE4	PY	-4.1e-5	-4.1e-5	0	0
14	CRPLATE5	PY	-4.1e-5	-4.1e-5	0	0
15	CRPLATE6	PY	-4.1e-5	-4.1e-5	0	0
16	FACE2	PY	-.000659	-.000659	0	0
17	FACE1	PY	-.001	-.001	0	0
18	FACE3	PY	-.001	-.001	0	0
19	HSRK1	PY	-.000329	-.000329	0	0
20	HSRK2	PY	-.000329	-.000329	0	0
21	HSRK3	PY	-.000329	-.000329	0	0
22	HSRK4	PY	-.000329	-.000329	0	0
23	HSRK5	PY	-.000329	-.000329	0	0
24	HSRK6	PY	-.000329	-.000329	0	0
25	KICKER1	PY	-.000275	-.000275	0	0
26	KICKER2	PY	-.000275	-.000275	0	0
27	KICKER3	PY	-.000275	-.000275	0	0
28	MP ALPHA1	PY	-.000313	-.000313	0	0
29	MP ALPHA2	PY	-.000313	-.000313	0	0
30	MP ALPHA3	PY	-.000313	-.000313	0	0
31	MP ALPHA4	PY	-.000313	-.000313	0	0
32	MP ALPHA5	PY	-.000313	-.000313	0	0
33	MP ALPHA6	PY	-.000313	-.000313	0	0
34	MP ALPHA7	PY	-.000313	-.000313	0	0
35	MP BETA1	PY	-.000313	-.000313	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
36	MP BETA2	PY	-0.000313	-0.000313	0	0
37	MP BETA3	PY	-0.000313	-0.000313	0	0
38	MP BETA4	PY	-0.000313	-0.000313	0	0
39	MP BETA5	PY	-0.000313	-0.000313	0	0
40	MP GAMMA1	PY	-0.000313	-0.000313	0	0
41	MP GAMMA2	PY	-0.000313	-0.000313	0	0
42	MP GAMMA3	PY	-0.000313	-0.000313	0	0
43	MP GAMMA4	PY	-0.000313	-0.000313	0	0
44	MP GAMMA5	PY	-0.000313	-0.000313	0	0
45	MP GAMMA6	PY	-0.000313	-0.000313	0	0
46	PLATE1	PY	-5.5e-5	-5.5e-5	0	0
47	PLATE2	PY	-5.5e-5	-5.5e-5	0	0
48	PLATE3	PY	-5.5e-5	-5.5e-5	0	0
49	RAIL2	PY	-0.000329	-0.000329	0	0
50	RAIL1	PY	-0.000659	-0.000659	0	0
51	RAIL3	PY	-0.000659	-0.000659	0	0
52	SO1A	PY	-0.000275	-0.000275	0	0
53	SO2A	PY	-0.000275	-0.000275	0	0
54	SO3A	PY	-0.000275	-0.000275	0	0
55	86		5.5e-5	-5.5e-5	0	0
56	86		5.5e-5	-5.5e-5	0	0
57	86		5.5e-5	-5.5e-5	0	0
58	86		5.5e-5	-5.5e-5	0	0
59	86		5.5e-5	-5.5e-5	0	0
60	86		5.5e-5	-5.5e-5	0	0
61	86		9.7e-5	-9.7e-5	0	0
62	86		9.7e-5	-9.7e-5	0	0
63	86		9.7e-5	-9.7e-5	0	0
64	ANGLE1	PX	.000571	.000571	0	0
65	ANGLE2	PX	.000571	.000571	0	0
66	ANGLE3	PX	.000571	.000571	0	0
67	CONNECTION1	PX	4.8e-5	4.8e-5	0	0
68	CONNECTION2	PX	4.8e-5	4.8e-5	0	0
69	CONNECTION3	PX	4.8e-5	4.8e-5	0	0
70	CORNER1	PX	.000761	.000761	0	0
71	CORNER2	PX	.000761	.000761	0	0
72	CORNER3	PX	.000761	.000761	0	0
73	CRPLATE1	PX	7.1e-5	7.1e-5	0	0
74	CRPLATE2	PX	7.1e-5	7.1e-5	0	0
75	CRPLATE3	PX	7.1e-5	7.1e-5	0	0
76	CRPLATE4	PX	7.1e-5	7.1e-5	0	0
77	CRPLATE5	PX	7.1e-5	7.1e-5	0	0
78	CRPLATE6	PX	7.1e-5	7.1e-5	0	0
79	FACE2	PX	.001	.001	0	0
80	FACE1	PX	.002	.002	0	0
81	FACE3	PX	.002	.002	0	0
82	HSRK1	PX	.000571	.000571	0	0
83	HSRK2	PX	.000571	.000571	0	0
84	HSRK3	PX	.000571	.000571	0	0
85	HSRK4	PX	.000571	.000571	0	0
86	HSRK5	PX	.000571	.000571	0	0
87	HSRK6	PX	.000571	.000571	0	0
88	KICKER1	PX	.000475	.000475	0	0
89	KICKER2	PX	.000475	.000475	0	0
90	KICKER3	PX	.000475	.000475	0	0
91	MP ALPHA1	PX	.000543	.000543	0	0
92	MP ALPHA2	PX	.000543	.000543	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
93	MP ALPHA3	PX	.000543	.000543	0	0
94	MP ALPHA4	PX	.000543	.000543	0	0
95	MP ALPHA5	PX	.000543	.000543	0	0
96	MP ALPHA6	PX	.000543	.000543	0	0
97	MP ALPHA7	PX	.000543	.000543	0	0
98	MP BETA1	PX	.000543	.000543	0	0
99	MP BETA2	PX	.000543	.000543	0	0
100	MP BETA3	PX	.000543	.000543	0	0
101	MP BETA4	PX	.000543	.000543	0	0
102	MP BETA5	PX	.000543	.000543	0	0
103	MP GAMMA1	PX	.000543	.000543	0	0
104	MP GAMMA2	PX	.000543	.000543	0	0
105	MP GAMMA3	PX	.000543	.000543	0	0
106	MP GAMMA4	PX	.000543	.000543	0	0
107	MP GAMMA5	PX	.000543	.000543	0	0
108	MP GAMMA6	PX	.000543	.000543	0	0
109	PLATE1	PX	9.5e-5	9.5e-5	0	0
110	PLATE2	PX	9.5e-5	9.5e-5	0	0
111	PLATE3	PX	9.5e-5	9.5e-5	0	0
112	RAIL2	PX	.000571	.000571	0	0
113	RAIL1	PX	.001	.001	0	0
114	RAIL3	PX	.001	.001	0	0
115	SO1A	PX	.000475	.000475	0	0
116	SO2A	PX	.000475	.000475	0	0
117	SO3A	PX	.000475	.000475	0	0
118	76		9.5e-5	9.5e-5	0	0
119	76		9.5e-5	9.5e-5	0	0
120	76		9.5e-5	9.5e-5	0	0
121	76		9.5e-5	9.5e-5	0	0
122	76		9.5e-5	9.5e-5	0	0
123	76		9.5e-5	9.5e-5	0	0
124	76		.000168	.000168	0	0
125	76		.000168	.000168	0	0
126	76		.000168	.000168	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-.000571	-.000571	0	0
2	ANGLE2	PY	-.000571	-.000571	0	0
3	ANGLE3	PY	-.000571	-.000571	0	0
4	CONNECTION1	PY	-4.8e-5	-4.8e-5	0	0
5	CONNECTION2	PY	-4.8e-5	-4.8e-5	0	0
6	CONNECTION3	PY	-4.8e-5	-4.8e-5	0	0
7	CORNER1	PY	-.000761	-.000761	0	0
8	CORNER2	PY	-.000761	-.000761	0	0
9	CORNER3	PY	-.000761	-.000761	0	0
10	CRPLATE1	PY	-7.1e-5	-7.1e-5	0	0
11	CRPLATE2	PY	-7.1e-5	-7.1e-5	0	0
12	CRPLATE3	PY	-7.1e-5	-7.1e-5	0	0
13	CRPLATE4	PY	-7.1e-5	-7.1e-5	0	0
14	CRPLATE5	PY	-7.1e-5	-7.1e-5	0	0
15	CRPLATE6	PY	-7.1e-5	-7.1e-5	0	0
16	FACE1	PY	-.001	-.001	0	0
17	FACE2	PY	-.002	-.002	0	0
18	FACE3	PY	-.002	-.002	0	0
19	HSRK1	PY	-.000571	-.000571	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
20	HSRK2	PY	-0.000571	-0.000571	0	0
21	HSRK3	PY	-0.000571	-0.000571	0	0
22	HSRK4	PY	-0.000571	-0.000571	0	0
23	HSRK5	PY	-0.000571	-0.000571	0	0
24	HSRK6	PY	-0.000571	-0.000571	0	0
25	KICKER1	PY	-0.000475	-0.000475	0	0
26	KICKER2	PY	-0.000475	-0.000475	0	0
27	KICKER3	PY	-0.000475	-0.000475	0	0
28	MP ALPHA1	PY	-0.000543	-0.000543	0	0
29	MP ALPHA2	PY	-0.000543	-0.000543	0	0
30	MP ALPHA3	PY	-0.000543	-0.000543	0	0
31	MP ALPHA4	PY	-0.000543	-0.000543	0	0
32	MP ALPHA5	PY	-0.000543	-0.000543	0	0
33	MP ALPHA6	PY	-0.000543	-0.000543	0	0
34	MP ALPHA7	PY	-0.000543	-0.000543	0	0
35	MP BETA1	PY	-0.000543	-0.000543	0	0
36	MP BETA2	PY	-0.000543	-0.000543	0	0
37	MP BETA3	PY	-0.000543	-0.000543	0	0
38	MP BETA4	PY	-0.000543	-0.000543	0	0
39	MP BETA5	PY	-0.000543	-0.000543	0	0
40	MP GAMMA1	PY	-0.000543	-0.000543	0	0
41	MP GAMMA2	PY	-0.000543	-0.000543	0	0
42	MP GAMMA3	PY	-0.000543	-0.000543	0	0
43	MP GAMMA4	PY	-0.000543	-0.000543	0	0
44	MP GAMMA5	PY	-0.000543	-0.000543	0	0
45	MP GAMMA6	PY	-0.000543	-0.000543	0	0
46	PLATE1	PY	-9.5e-5	-9.5e-5	0	0
47	PLATE2	PY	-9.5e-5	-9.5e-5	0	0
48	PLATE3	PY	-9.5e-5	-9.5e-5	0	0
49	RAIL1	PY	-0.000571	-0.000571	0	0
50	RAIL2	PY	-0.001	-0.001	0	0
51	RAIL3	PY	-0.001	-0.001	0	0
52	SO1A	PY	-0.000475	-0.000475	0	0
53	SO2A	PY	-0.000475	-0.000475	0	0
54	SO3A	PY	-0.000475	-0.000475	0	0
55	86		9.5e-5	-9.5e-5	0	0
56	86		9.5e-5	-9.5e-5	0	0
57	86		9.5e-5	-9.5e-5	0	0
58	86		9.5e-5	-9.5e-5	0	0
59	86		9.5e-5	-9.5e-5	0	0
60	86		9.5e-5	-9.5e-5	0	0
61	86		.000168	-0.000168	0	0
62	86		.000168	-0.000168	0	0
63	86		.000168	-0.000168	0	0
64	ANGLE1	PX	.000329	.000329	0	0
65	ANGLE2	PX	.000329	.000329	0	0
66	ANGLE3	PX	.000329	.000329	0	0
67	CONNECTION1	PX	2.7e-5	2.7e-5	0	0
68	CONNECTION2	PX	2.7e-5	2.7e-5	0	0
69	CONNECTION3	PX	2.7e-5	2.7e-5	0	0
70	CORNER1	PX	.000439	.000439	0	0
71	CORNER2	PX	.000439	.000439	0	0
72	CORNER3	PX	.000439	.000439	0	0
73	CRPLATE1	PX	4.1e-5	4.1e-5	0	0
74	CRPLATE2	PX	4.1e-5	4.1e-5	0	0
75	CRPLATE3	PX	4.1e-5	4.1e-5	0	0
76	CRPLATE4	PX	4.1e-5	4.1e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
77	CRPLATE5	PX	4.1e-5	4.1e-5	0	0
78	CRPLATE6	PX	4.1e-5	4.1e-5	0	0
79	FACE1	PX	.000659	.000659	0	0
80	FACE2	PX	.001	.001	0	0
81	FACE3	PX	.001	.001	0	0
82	HSRK1	PX	.000329	.000329	0	0
83	HSRK2	PX	.000329	.000329	0	0
84	HSRK3	PX	.000329	.000329	0	0
85	HSRK4	PX	.000329	.000329	0	0
86	HSRK5	PX	.000329	.000329	0	0
87	HSRK6	PX	.000329	.000329	0	0
88	KICKER1	PX	.000275	.000275	0	0
89	KICKER2	PX	.000275	.000275	0	0
90	KICKER3	PX	.000275	.000275	0	0
91	MP ALPHA1	PX	.000313	.000313	0	0
92	MP ALPHA2	PX	.000313	.000313	0	0
93	MP ALPHA3	PX	.000313	.000313	0	0
94	MP ALPHA4	PX	.000313	.000313	0	0
95	MP ALPHA5	PX	.000313	.000313	0	0
96	MP ALPHA6	PX	.000313	.000313	0	0
97	MP ALPHA7	PX	.000313	.000313	0	0
98	MP BETA1	PX	.000313	.000313	0	0
99	MP BETA2	PX	.000313	.000313	0	0
100	MP BETA3	PX	.000313	.000313	0	0
101	MP BETA4	PX	.000313	.000313	0	0
102	MP BETA5	PX	.000313	.000313	0	0
103	MP GAMMA1	PX	.000313	.000313	0	0
104	MP GAMMA2	PX	.000313	.000313	0	0
105	MP GAMMA3	PX	.000313	.000313	0	0
106	MP GAMMA4	PX	.000313	.000313	0	0
107	MP GAMMA5	PX	.000313	.000313	0	0
108	MP GAMMA6	PX	.000313	.000313	0	0
109	PLATE1	PX	5.5e-5	5.5e-5	0	0
110	PLATE2	PX	5.5e-5	5.5e-5	0	0
111	PLATE3	PX	5.5e-5	5.5e-5	0	0
112	RAIL1	PX	.000329	.000329	0	0
113	RAIL2	PX	.000659	.000659	0	0
114	RAIL3	PX	.000659	.000659	0	0
115	SO1A	PX	.000275	.000275	0	0
116	SO2A	PX	.000275	.000275	0	0
117	SO3A	PX	.000275	.000275	0	0
118	76		5.5e-5	5.5e-5	0	0
119	76		5.5e-5	5.5e-5	0	0
120	76		5.5e-5	5.5e-5	0	0
121	76		5.5e-5	5.5e-5	0	0
122	76		5.5e-5	5.5e-5	0	0
123	76		5.5e-5	5.5e-5	0	0
124	76		9.7e-5	9.7e-5	0	0
125	76		9.7e-5	9.7e-5	0	0
126	76		9.7e-5	9.7e-5	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	Z	-.008	-.008	0	0
2	ANGLE2	Z	-.008	-.008	0	0
3	ANGLE3	Z	-.008	-.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
4	CONNECTION1	Z	-.008	-.008	0	0
5	CONNECTION2	Z	-.008	-.008	0	0
6	CONNECTION3	Z	-.008	-.008	0	0
7	CORNER1	Z	-.009	-.009	0	0
8	CORNER2	Z	-.009	-.009	0	0
9	CORNER3	Z	-.009	-.009	0	0
10	CRPLATE1	Z	-.006	-.006	0	0
11	CRPLATE2	Z	-.006	-.006	0	0
12	CRPLATE3	Z	-.006	-.006	0	0
13	CRPLATE4	Z	-.006	-.006	0	0
14	CRPLATE5	Z	-.006	-.006	0	0
15	CRPLATE6	Z	-.006	-.006	0	0
16	FACE1	Z	-.011	-.011	0	0
17	FACE2	Z	-.011	-.011	0	0
18	FACE3	Z	-.011	-.011	0	0
19	HSRK1	Z	-.008	-.008	0	0
20	HSRK2	Z	-.008	-.008	0	0
21	HSRK3	Z	-.008	-.008	0	0
22	HSRK4	Z	-.008	-.008	0	0
23	HSRK5	Z	-.008	-.008	0	0
24	HSRK6	Z	-.008	-.008	0	0
25	KICKER1	Z	-.01	-.01	0	0
26	KICKER2	Z	-.01	-.01	0	0
27	KICKER3	Z	-.01	-.01	0	0
28	MP ALPHA1	Z	-.005	-.005	0	0
29	MP ALPHA2	Z	-.005	-.005	0	0
30	MP ALPHA3	Z	-.005	-.005	0	0
31	MP ALPHA4	Z	-.005	-.005	0	0
32	MP ALPHA5	Z	-.005	-.005	0	0
33	MP ALPHA6	Z	-.005	-.005	0	0
34	MP ALPHA7	Z	-.005	-.005	0	0
35	MP BETA1	Z	-.005	-.005	0	0
36	MP BETA2	Z	-.005	-.005	0	0
37	MP BETA3	Z	-.005	-.005	0	0
38	MP BETA4	Z	-.005	-.005	0	0
39	MP BETA5	Z	-.005	-.005	0	0
40	MP GAMMA1	Z	-.005	-.005	0	0
41	MP GAMMA2	Z	-.005	-.005	0	0
42	MP GAMMA3	Z	-.005	-.005	0	0
43	MP GAMMA4	Z	-.005	-.005	0	0
44	MP GAMMA5	Z	-.005	-.005	0	0
45	MP GAMMA6	Z	-.005	-.005	0	0
46	PLATE1	Z	-.011	-.011	0	0
47	PLATE2	Z	-.011	-.011	0	0
48	PLATE3	Z	-.011	-.011	0	0
49	RAIL1	Z	-.008	-.008	0	0
50	RAIL2	Z	-.008	-.008	0	0
51	RAIL3	Z	-.008	-.008	0	0
52	SO1A	Z	-.009	-.009	0	0
53	SO2A	Z	-.009	-.009	0	0
54	SO3A	Z	-.009	-.009	0	0
55	90		.006	-.006	0	0
56	90		.006	-.006	0	0
57	90		.006	-.006	0	0
58	90		.006	-.006	0	0
59	90		.006	-.006	0	0
60	90		.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
61	90		.005	-.005	0	0
62	90		.005	-.005	0	0
63	90		.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-.002	-.002	0	0
2	ANGLE2	PY	-.002	-.002	0	0
3	ANGLE3	PY	-.002	-.002	0	0
4	CONNECTION1	PY	-.001	-.001	0	0
5	CONNECTION2	PY	-.001	-.001	0	0
6	CONNECTION3	PY	-.001	-.001	0	0
7	CORNER1	PY	-.003	-.003	0	0
8	CORNER2	PY	-.003	-.003	0	0
9	CORNER3	PY	-.003	-.003	0	0
10	CRPLATE1	PY	-.001	-.001	0	0
11	CRPLATE2	PY	-.001	-.001	0	0
12	CRPLATE3	PY	-.001	-.001	0	0
13	CRPLATE4	PY	-.001	-.001	0	0
14	CRPLATE5	PY	-.001	-.001	0	0
15	CRPLATE6	PY	-.001	-.001	0	0
16	FACE1	PY	-.004	-.004	0	0
17	FACE2	PY	-.007	-.007	0	0
18	FACE3	PY	-.007	-.007	0	0
19	HSRK1	PY	-.002	-.002	0	0
20	HSRK2	PY	-.002	-.002	0	0
21	HSRK3	PY	-.002	-.002	0	0
22	HSRK4	PY	-.002	-.002	0	0
23	HSRK5	PY	-.002	-.002	0	0
24	HSRK6	PY	-.002	-.002	0	0
25	KICKER1	PY	-.002	-.002	0	0
26	KICKER2	PY	-.002	-.002	0	0
27	KICKER3	PY	-.002	-.002	0	0
28	MP ALPHA1	PY	-.003	-.003	0	0
29	MP ALPHA2	PY	-.003	-.003	0	0
30	MP ALPHA3	PY	-.003	-.003	0	0
31	MP ALPHA4	PY	-.003	-.003	0	0
32	MP ALPHA5	PY	-.003	-.003	0	0
33	MP ALPHA6	PY	-.003	-.003	0	0
34	MP ALPHA7	PY	-.003	-.003	0	0
35	MP BETA1	PY	-.003	-.003	0	0
36	MP BETA2	PY	-.003	-.003	0	0
37	MP BETA3	PY	-.003	-.003	0	0
38	MP BETA4	PY	-.003	-.003	0	0
39	MP BETA5	PY	-.003	-.003	0	0
40	MP GAMMA1	PY	-.003	-.003	0	0
41	MP GAMMA2	PY	-.003	-.003	0	0
42	MP GAMMA3	PY	-.003	-.003	0	0
43	MP GAMMA4	PY	-.003	-.003	0	0
44	MP GAMMA5	PY	-.003	-.003	0	0
45	MP GAMMA6	PY	-.003	-.003	0	0
46	PLATE1	PY	-.001	-.001	0	0
47	PLATE2	PY	-.001	-.001	0	0
48	PLATE3	PY	-.001	-.001	0	0
49	RAIL1	PY	-.002	-.002	0	0
50	RAIL2	PY	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
51	RAIL3	PY	-.005	-.005	0	0
52	SO1A	PY	-.002	-.002	0	0
53	SO2A	PY	-.002	-.002	0	0
54	SO3A	PY	-.002	-.002	0	0
55	86		.001	-.001	0	0
56	86		.001	-.001	0	0
57	86		.001	-.001	0	0
58	86		.001	-.001	0	0
59	86		.001	-.001	0	0
60	86		.001	-.001	0	0
61	86		.001	-.001	0	0
62	86		.001	-.001	0	0
63	86		.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-.002	-.002	0	0
2	ANGLE2	PY	-.002	-.002	0	0
3	ANGLE3	PY	-.002	-.002	0	0
4	CONNECTION1	PY	-.000945	-.000945	0	0
5	CONNECTION2	PY	-.000945	-.000945	0	0
6	CONNECTION3	PY	-.000945	-.000945	0	0
7	CORNER1	PY	-.002	-.002	0	0
8	CORNER2	PY	-.002	-.002	0	0
9	CORNER3	PY	-.002	-.002	0	0
10	CRPLATE1	PY	-.000991	-.000991	0	0
11	CRPLATE2	PY	-.000991	-.000991	0	0
12	CRPLATE3	PY	-.000991	-.000991	0	0
13	CRPLATE4	PY	-.000991	-.000991	0	0
14	CRPLATE5	PY	-.000991	-.000991	0	0
15	CRPLATE6	PY	-.000991	-.000991	0	0
16	FACE1	PY	-.003	-.003	0	0
17	FACE2	PY	-.006	-.006	0	0
18	FACE3	PY	-.006	-.006	0	0
19	HSRK1	PY	-.002	-.002	0	0
20	HSRK2	PY	-.002	-.002	0	0
21	HSRK3	PY	-.002	-.002	0	0
22	HSRK4	PY	-.002	-.002	0	0
23	HSRK5	PY	-.002	-.002	0	0
24	HSRK6	PY	-.002	-.002	0	0
25	KICKER1	PY	-.002	-.002	0	0
26	KICKER2	PY	-.002	-.002	0	0
27	KICKER3	PY	-.002	-.002	0	0
28	MP ALPHA1	PY	-.003	-.003	0	0
29	MP ALPHA2	PY	-.003	-.003	0	0
30	MP ALPHA3	PY	-.003	-.003	0	0
31	MP ALPHA4	PY	-.003	-.003	0	0
32	MP ALPHA5	PY	-.003	-.003	0	0
33	MP ALPHA6	PY	-.003	-.003	0	0
34	MP ALPHA7	PY	-.003	-.003	0	0
35	MP BETA1	PY	-.003	-.003	0	0
36	MP BETA2	PY	-.003	-.003	0	0
37	MP BETA3	PY	-.003	-.003	0	0
38	MP BETA4	PY	-.003	-.003	0	0
39	MP BETA5	PY	-.003	-.003	0	0
40	MP GAMMA1	PY	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
41	MP GAMMA2	PY	-.003	-.003	0	0
42	MP GAMMA3	PY	-.003	-.003	0	0
43	MP GAMMA4	PY	-.003	-.003	0	0
44	MP GAMMA5	PY	-.003	-.003	0	0
45	MP GAMMA6	PY	-.003	-.003	0	0
46	PLATE1	PY	-.001	-.001	0	0
47	PLATE2	PY	-.001	-.001	0	0
48	PLATE3	PY	-.001	-.001	0	0
49	RAIL1	PY	-.002	-.002	0	0
50	RAIL2	PY	-.004	-.004	0	0
51	RAIL3	PY	-.004	-.004	0	0
52	SO1A	PY	-.001	-.001	0	0
53	SO2A	PY	-.001	-.001	0	0
54	SO3A	PY	-.001	-.001	0	0
55	86		.001	-.001	0	0
56	86		.001	-.001	0	0
57	86		.001	-.001	0	0
58	86		.001	-.001	0	0
59	86		.001	-.001	0	0
60	86		.001	-.001	0	0
61	86		.001	-.001	0	0
62	86		.001	-.001	0	0
63	86		.001	-.001	0	0
64	ANGLE1	PX	-.001	-.001	0	0
65	ANGLE2	PX	-.001	-.001	0	0
66	ANGLE3	PX	-.001	-.001	0	0
67	CONNECTION1	PX	-.000546	-.000546	0	0
68	CONNECTION2	PX	-.000546	-.000546	0	0
69	CONNECTION3	PX	-.000546	-.000546	0	0
70	CORNER1	PX	-.001	-.001	0	0
71	CORNER2	PX	-.001	-.001	0	0
72	CORNER3	PX	-.001	-.001	0	0
73	CRPLATE1	PX	-.000572	-.000572	0	0
74	CRPLATE2	PX	-.000572	-.000572	0	0
75	CRPLATE3	PX	-.000572	-.000572	0	0
76	CRPLATE4	PX	-.000572	-.000572	0	0
77	CRPLATE5	PX	-.000572	-.000572	0	0
78	CRPLATE6	PX	-.000572	-.000572	0	0
79	FACE1	PX	-.002	-.002	0	0
80	FACE2	PX	-.004	-.004	0	0
81	FACE3	PX	-.004	-.004	0	0
82	HSRK1	PX	-.001	-.001	0	0
83	HSRK2	PX	-.001	-.001	0	0
84	HSRK3	PX	-.001	-.001	0	0
85	HSRK4	PX	-.001	-.001	0	0
86	HSRK5	PX	-.001	-.001	0	0
87	HSRK6	PX	-.001	-.001	0	0
88	KICKER1	PX	-.001	-.001	0	0
89	KICKER2	PX	-.001	-.001	0	0
90	KICKER3	PX	-.001	-.001	0	0
91	MP ALPHA1	PX	-.002	-.002	0	0
92	MP ALPHA2	PX	-.002	-.002	0	0
93	MP ALPHA3	PX	-.002	-.002	0	0
94	MP ALPHA4	PX	-.002	-.002	0	0
95	MP ALPHA5	PX	-.002	-.002	0	0
96	MP ALPHA6	PX	-.002	-.002	0	0
97	MP ALPHA7	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
98	MP BETA1	PX	-0.002	-0.002	0	0
99	MP BETA2	PX	-0.002	-0.002	0	0
100	MP BETA3	PX	-0.002	-0.002	0	0
101	MP BETA4	PX	-0.002	-0.002	0	0
102	MP BETA5	PX	-0.002	-0.002	0	0
103	MP GAMMA1	PX	-0.002	-0.002	0	0
104	MP GAMMA2	PX	-0.002	-0.002	0	0
105	MP GAMMA3	PX	-0.002	-0.002	0	0
106	MP GAMMA4	PX	-0.002	-0.002	0	0
107	MP GAMMA5	PX	-0.002	-0.002	0	0
108	MP GAMMA6	PX	-0.002	-0.002	0	0
109	PLATE1	PX	-0.000599	-0.000599	0	0
110	PLATE2	PX	-0.000599	-0.000599	0	0
111	PLATE3	PX	-0.000599	-0.000599	0	0
112	RAIL1	PX	-0.001	-0.001	0	0
113	RAIL2	PX	-0.002	-0.002	0	0
114	RAIL3	PX	-0.002	-0.002	0	0
115	SO1A	PX	-0.000838	-0.000838	0	0
116	SO2A	PX	-0.000838	-0.000838	0	0
117	SO3A	PX	-0.000838	-0.000838	0	0
118	76		.000599	-0.000599	0	0
119	76		.000599	-0.000599	0	0
120	76		.000599	-0.000599	0	0
121	76		.000599	-0.000599	0	0
122	76		.000599	-0.000599	0	0
123	76		.000599	-0.000599	0	0
124	76		.000598	-0.000598	0	0
125	76		.000598	-0.000598	0	0
126	76		.000598	-0.000598	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-0.001	-0.001	0	0
2	ANGLE2	PY	-0.001	-0.001	0	0
3	ANGLE3	PY	-0.001	-0.001	0	0
4	CONNECTION1	PY	-0.000546	-0.000546	0	0
5	CONNECTION2	PY	-0.000546	-0.000546	0	0
6	CONNECTION3	PY	-0.000546	-0.000546	0	0
7	CORNER1	PY	-0.001	-0.001	0	0
8	CORNER2	PY	-0.001	-0.001	0	0
9	CORNER3	PY	-0.001	-0.001	0	0
10	CRPLATE1	PY	-0.000572	-0.000572	0	0
11	CRPLATE2	PY	-0.000572	-0.000572	0	0
12	CRPLATE3	PY	-0.000572	-0.000572	0	0
13	CRPLATE4	PY	-0.000572	-0.000572	0	0
14	CRPLATE5	PY	-0.000572	-0.000572	0	0
15	CRPLATE6	PY	-0.000572	-0.000572	0	0
16	FACE1	PY	-0.002	-0.002	0	0
17	FACE2	PY	-0.004	-0.004	0	0
18	FACE3	PY	-0.004	-0.004	0	0
19	HSRK1	PY	-0.001	-0.001	0	0
20	HSRK2	PY	-0.001	-0.001	0	0
21	HSRK3	PY	-0.001	-0.001	0	0
22	HSRK4	PY	-0.001	-0.001	0	0
23	HSRK5	PY	-0.001	-0.001	0	0
24	HSRK6	PY	-0.001	-0.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
25	KICKER1	PY	-0.001	-0.001	0	0
26	KICKER2	PY	-0.001	-0.001	0	0
27	KICKER3	PY	-0.001	-0.001	0	0
28	MP ALPHA1	PY	-0.002	-0.002	0	0
29	MP ALPHA2	PY	-0.002	-0.002	0	0
30	MP ALPHA3	PY	-0.002	-0.002	0	0
31	MP ALPHA4	PY	-0.002	-0.002	0	0
32	MP ALPHA5	PY	-0.002	-0.002	0	0
33	MP ALPHA6	PY	-0.002	-0.002	0	0
34	MP ALPHA7	PY	-0.002	-0.002	0	0
35	MP BETA1	PY	-0.002	-0.002	0	0
36	MP BETA2	PY	-0.002	-0.002	0	0
37	MP BETA3	PY	-0.002	-0.002	0	0
38	MP BETA4	PY	-0.002	-0.002	0	0
39	MP BETA5	PY	-0.002	-0.002	0	0
40	MP GAMMA1	PY	-0.002	-0.002	0	0
41	MP GAMMA2	PY	-0.002	-0.002	0	0
42	MP GAMMA3	PY	-0.002	-0.002	0	0
43	MP GAMMA4	PY	-0.002	-0.002	0	0
44	MP GAMMA5	PY	-0.002	-0.002	0	0
45	MP GAMMA6	PY	-0.002	-0.002	0	0
46	PLATE1	PY	-0.000599	-0.000599	0	0
47	PLATE2	PY	-0.000599	-0.000599	0	0
48	PLATE3	PY	-0.000599	-0.000599	0	0
49	RAIL1	PY	-0.001	-0.001	0	0
50	RAIL2	PY	-0.002	-0.002	0	0
51	RAIL3	PY	-0.002	-0.002	0	0
52	SO1A	PY	-0.000838	-0.000838	0	0
53	SO2A	PY	-0.000838	-0.000838	0	0
54	SO3A	PY	-0.000838	-0.000838	0	0
55	86		.000599	-0.000599	0	0
56	86		.000599	-0.000599	0	0
57	86		.000599	-0.000599	0	0
58	86		.000599	-0.000599	0	0
59	86		.000599	-0.000599	0	0
60	86		.000599	-0.000599	0	0
61	86		.000598	-0.000598	0	0
62	86		.000598	-0.000598	0	0
63	86		.000598	-0.000598	0	0
64	ANGLE1	PX	-0.002	-0.002	0	0
65	ANGLE2	PX	-0.002	-0.002	0	0
66	ANGLE3	PX	-0.002	-0.002	0	0
67	CONNECTION1	PX	-0.000945	-0.000945	0	0
68	CONNECTION2	PX	-0.000945	-0.000945	0	0
69	CONNECTION3	PX	-0.000945	-0.000945	0	0
70	CORNER1	PX	-0.002	-0.002	0	0
71	CORNER2	PX	-0.002	-0.002	0	0
72	CORNER3	PX	-0.002	-0.002	0	0
73	CRPLATE1	PX	-0.000991	-0.000991	0	0
74	CRPLATE2	PX	-0.000991	-0.000991	0	0
75	CRPLATE3	PX	-0.000991	-0.000991	0	0
76	CRPLATE4	PX	-0.000991	-0.000991	0	0
77	CRPLATE5	PX	-0.000991	-0.000991	0	0
78	CRPLATE6	PX	-0.000991	-0.000991	0	0
79	FACE1	PX	-0.003	-0.003	0	0
80	FACE2	PX	-0.006	-0.006	0	0
81	FACE3	PX	-0.006	-0.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
82	HSRK1	PX	-.002	-.002	0	0
83	HSRK2	PX	-.002	-.002	0	0
84	HSRK3	PX	-.002	-.002	0	0
85	HSRK4	PX	-.002	-.002	0	0
86	HSRK5	PX	-.002	-.002	0	0
87	HSRK6	PX	-.002	-.002	0	0
88	KICKER1	PX	-.002	-.002	0	0
89	KICKER2	PX	-.002	-.002	0	0
90	KICKER3	PX	-.002	-.002	0	0
91	MP ALPHA1	PX	-.003	-.003	0	0
92	MP ALPHA2	PX	-.003	-.003	0	0
93	MP ALPHA3	PX	-.003	-.003	0	0
94	MP ALPHA4	PX	-.003	-.003	0	0
95	MP ALPHA5	PX	-.003	-.003	0	0
96	MP ALPHA6	PX	-.003	-.003	0	0
97	MP ALPHA7	PX	-.003	-.003	0	0
98	MP BETA1	PX	-.003	-.003	0	0
99	MP BETA2	PX	-.003	-.003	0	0
100	MP BETA3	PX	-.003	-.003	0	0
101	MP BETA4	PX	-.003	-.003	0	0
102	MP BETA5	PX	-.003	-.003	0	0
103	MP GAMMA1	PX	-.003	-.003	0	0
104	MP GAMMA2	PX	-.003	-.003	0	0
105	MP GAMMA3	PX	-.003	-.003	0	0
106	MP GAMMA4	PX	-.003	-.003	0	0
107	MP GAMMA5	PX	-.003	-.003	0	0
108	MP GAMMA6	PX	-.003	-.003	0	0
109	PLATE1	PX	-.001	-.001	0	0
110	PLATE2	PX	-.001	-.001	0	0
111	PLATE3	PX	-.001	-.001	0	0
112	RAIL1	PX	-.002	-.002	0	0
113	RAIL2	PX	-.004	-.004	0	0
114	RAIL3	PX	-.004	-.004	0	0
115	SO1A	PX	-.001	-.001	0	0
116	SO2A	PX	-.001	-.001	0	0
117	SO3A	PX	-.001	-.001	0	0
118	76		.001	-.001	0	0
119	76		.001	-.001	0	0
120	76		.001	-.001	0	0
121	76		.001	-.001	0	0
122	76		.001	-.001	0	0
123	76		.001	-.001	0	0
124	76		.001	-.001	0	0
125	76		.001	-.001	0	0
126	76		.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PX	-.002	-.002	0	0
2	ANGLE2	PX	-.002	-.002	0	0
3	ANGLE3	PX	-.002	-.002	0	0
4	CONNECTION1	PX	-.001	-.001	0	0
5	CONNECTION2	PX	-.001	-.001	0	0
6	CONNECTION3	PX	-.001	-.001	0	0
7	CORNER1	PX	-.003	-.003	0	0
8	CORNER2	PX	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
9	CORNER3	PX	-.003	-.003	0	0
10	CRPLATE1	PX	-.001	-.001	0	0
11	CRPLATE2	PX	-.001	-.001	0	0
12	CRPLATE3	PX	-.001	-.001	0	0
13	CRPLATE4	PX	-.001	-.001	0	0
14	CRPLATE5	PX	-.001	-.001	0	0
15	CRPLATE6	PX	-.001	-.001	0	0
16	FACE3	PX	-.004	-.004	0	0
17	FACE2	PX	-.007	-.007	0	0
18	FACE1	PX	-.007	-.007	0	0
19	HSRK1	PX	-.002	-.002	0	0
20	HSRK2	PX	-.002	-.002	0	0
21	HSRK3	PX	-.002	-.002	0	0
22	HSRK4	PX	-.002	-.002	0	0
23	HSRK5	PX	-.002	-.002	0	0
24	HSRK6	PX	-.002	-.002	0	0
25	KICKER1	PX	-.002	-.002	0	0
26	KICKER2	PX	-.002	-.002	0	0
27	KICKER3	PX	-.002	-.002	0	0
28	MP ALPHA1	PX	-.003	-.003	0	0
29	MP ALPHA2	PX	-.003	-.003	0	0
30	MP ALPHA3	PX	-.003	-.003	0	0
31	MP ALPHA4	PX	-.003	-.003	0	0
32	MP ALPHA5	PX	-.003	-.003	0	0
33	MP ALPHA6	PX	-.003	-.003	0	0
34	MP ALPHA7	PX	-.003	-.003	0	0
35	MP BETA1	PX	-.003	-.003	0	0
36	MP BETA2	PX	-.003	-.003	0	0
37	MP BETA3	PX	-.003	-.003	0	0
38	MP BETA4	PX	-.003	-.003	0	0
39	MP BETA5	PX	-.003	-.003	0	0
40	MP GAMMA1	PX	-.003	-.003	0	0
41	MP GAMMA2	PX	-.003	-.003	0	0
42	MP GAMMA3	PX	-.003	-.003	0	0
43	MP GAMMA4	PX	-.003	-.003	0	0
44	MP GAMMA5	PX	-.003	-.003	0	0
45	MP GAMMA6	PX	-.003	-.003	0	0
46	PLATE1	PX	-.001	-.001	0	0
47	PLATE2	PX	-.001	-.001	0	0
48	PLATE3	PX	-.001	-.001	0	0
49	RAIL3	PX	-.002	-.002	0	0
50	RAIL2	PX	-.005	-.005	0	0
51	RAIL1	PX	-.005	-.005	0	0
52	SO1A	PX	-.002	-.002	0	0
53	SO2A	PX	-.002	-.002	0	0
54	SO3A	PX	-.002	-.002	0	0
55	76		.001	-.001	0	0
56	76		.001	-.001	0	0
57	76		.001	-.001	0	0
58	76		.001	-.001	0	0
59	76		.001	-.001	0	0
60	76		.001	-.001	0	0
61	76		.001	-.001	0	0
62	76		.001	-.001	0	0
63	76		.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.001	.001	0	0
2	ANGLE2	PY	.001	.001	0	0
3	ANGLE3	PY	.001	.001	0	0
4	CONNECTION1	PY	.000546	.000546	0	0
5	CONNECTION2	PY	.000546	.000546	0	0
6	CONNECTION3	PY	.000546	.000546	0	0
7	CORNER1	PY	.001	.001	0	0
8	CORNER2	PY	.001	.001	0	0
9	CORNER3	PY	.001	.001	0	0
10	CRPLATE1	PY	.000572	.000572	0	0
11	CRPLATE2	PY	.000572	.000572	0	0
12	CRPLATE3	PY	.000572	.000572	0	0
13	CRPLATE4	PY	.000572	.000572	0	0
14	CRPLATE5	PY	.000572	.000572	0	0
15	CRPLATE6	PY	.000572	.000572	0	0
16	FACE3	PY	.002	.002	0	0
17	FACE2	PY	.004	.004	0	0
18	FACE1	PY	.004	.004	0	0
19	HSRK1	PY	.001	.001	0	0
20	HSRK2	PY	.001	.001	0	0
21	HSRK3	PY	.001	.001	0	0
22	HSRK4	PY	.001	.001	0	0
23	HSRK5	PY	.001	.001	0	0
24	HSRK6	PY	.001	.001	0	0
25	KICKER1	PY	.001	.001	0	0
26	KICKER2	PY	.001	.001	0	0
27	KICKER3	PY	.001	.001	0	0
28	MP ALPHA1	PY	.002	.002	0	0
29	MP ALPHA2	PY	.002	.002	0	0
30	MP ALPHA3	PY	.002	.002	0	0
31	MP ALPHA4	PY	.002	.002	0	0
32	MP ALPHA5	PY	.002	.002	0	0
33	MP ALPHA6	PY	.002	.002	0	0
34	MP ALPHA7	PY	.002	.002	0	0
35	MP BETA1	PY	.002	.002	0	0
36	MP BETA2	PY	.002	.002	0	0
37	MP BETA3	PY	.002	.002	0	0
38	MP BETA4	PY	.002	.002	0	0
39	MP BETA5	PY	.002	.002	0	0
40	MP GAMMA1	PY	.002	.002	0	0
41	MP GAMMA2	PY	.002	.002	0	0
42	MP GAMMA3	PY	.002	.002	0	0
43	MP GAMMA4	PY	.002	.002	0	0
44	MP GAMMA5	PY	.002	.002	0	0
45	MP GAMMA6	PY	.002	.002	0	0
46	PLATE1	PY	.000599	.000599	0	0
47	PLATE2	PY	.000599	.000599	0	0
48	PLATE3	PY	.000599	.000599	0	0
49	RAIL3	PY	.001	.001	0	0
50	RAIL2	PY	.002	.002	0	0
51	RAIL1	PY	.002	.002	0	0
52	SO1A	PY	.000838	.000838	0	0
53	SO2A	PY	.000838	.000838	0	0
54	SO3A	PY	.000838	.000838	0	0
55	86		.000599	.000599	0	0
56	86		.000599	.000599	0	0
57	86		.000599	.000599	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
58	86		.000599	.000599	0	0
59	86		.000599	.000599	0	0
60	86		.000599	.000599	0	0
61	86		.000598	.000598	0	0
62	86		.000598	.000598	0	0
63	86		.000598	.000598	0	0
64	ANGLE1	PX	-.002	-.002	0	0
65	ANGLE2	PX	-.002	-.002	0	0
66	ANGLE3	PX	-.002	-.002	0	0
67	CONNECTION1	PX	-.000945	-.000945	0	0
68	CONNECTION2	PX	-.000945	-.000945	0	0
69	CONNECTION3	PX	-.000945	-.000945	0	0
70	CORNER1	PX	-.002	-.002	0	0
71	CORNER2	PX	-.002	-.002	0	0
72	CORNER3	PX	-.002	-.002	0	0
73	CRPLATE1	PX	-.000991	-.000991	0	0
74	CRPLATE2	PX	-.000991	-.000991	0	0
75	CRPLATE3	PX	-.000991	-.000991	0	0
76	CRPLATE4	PX	-.000991	-.000991	0	0
77	CRPLATE5	PX	-.000991	-.000991	0	0
78	CRPLATE6	PX	-.000991	-.000991	0	0
79	FACE3	PX	-.003	-.003	0	0
80	FACE2	PX	-.006	-.006	0	0
81	FACE1	PX	-.006	-.006	0	0
82	HSRK1	PX	-.002	-.002	0	0
83	HSRK2	PX	-.002	-.002	0	0
84	HSRK3	PX	-.002	-.002	0	0
85	HSRK4	PX	-.002	-.002	0	0
86	HSRK5	PX	-.002	-.002	0	0
87	HSRK6	PX	-.002	-.002	0	0
88	KICKER1	PX	-.002	-.002	0	0
89	KICKER2	PX	-.002	-.002	0	0
90	KICKER3	PX	-.002	-.002	0	0
91	MP ALPHA1	PX	-.003	-.003	0	0
92	MP ALPHA2	PX	-.003	-.003	0	0
93	MP ALPHA3	PX	-.003	-.003	0	0
94	MP ALPHA4	PX	-.003	-.003	0	0
95	MP ALPHA5	PX	-.003	-.003	0	0
96	MP ALPHA6	PX	-.003	-.003	0	0
97	MP ALPHA7	PX	-.003	-.003	0	0
98	MP BETA1	PX	-.003	-.003	0	0
99	MP BETA2	PX	-.003	-.003	0	0
100	MP BETA3	PX	-.003	-.003	0	0
101	MP BETA4	PX	-.003	-.003	0	0
102	MP BETA5	PX	-.003	-.003	0	0
103	MP GAMMA1	PX	-.003	-.003	0	0
104	MP GAMMA2	PX	-.003	-.003	0	0
105	MP GAMMA3	PX	-.003	-.003	0	0
106	MP GAMMA4	PX	-.003	-.003	0	0
107	MP GAMMA5	PX	-.003	-.003	0	0
108	MP GAMMA6	PX	-.003	-.003	0	0
109	PLATE1	PX	-.001	-.001	0	0
110	PLATE2	PX	-.001	-.001	0	0
111	PLATE3	PX	-.001	-.001	0	0
112	RAIL3	PX	-.002	-.002	0	0
113	RAIL2	PX	-.004	-.004	0	0
114	RAIL1	PX	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
115	SO1A	PX	-.001	-.001	0	0
116	SO2A	PX	-.001	-.001	0	0
117	SO3A	PX	-.001	-.001	0	0
118	76		.001	-.001	0	0
119	76		.001	-.001	0	0
120	76		.001	-.001	0	0
121	76		.001	-.001	0	0
122	76		.001	-.001	0	0
123	76		.001	-.001	0	0
124	76		.001	-.001	0	0
125	76		.001	-.001	0	0
126	76		.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.002	.002	0	0
2	ANGLE2	PY	.002	.002	0	0
3	ANGLE3	PY	.002	.002	0	0
4	CONNECTION1	PY	.000945	.000945	0	0
5	CONNECTION2	PY	.000945	.000945	0	0
6	CONNECTION3	PY	.000945	.000945	0	0
7	CORNER1	PY	.002	.002	0	0
8	CORNER2	PY	.002	.002	0	0
9	CORNER3	PY	.002	.002	0	0
10	CRPLATE1	PY	.000991	.000991	0	0
11	CRPLATE2	PY	.000991	.000991	0	0
12	CRPLATE3	PY	.000991	.000991	0	0
13	CRPLATE4	PY	.000991	.000991	0	0
14	CRPLATE5	PY	.000991	.000991	0	0
15	CRPLATE6	PY	.000991	.000991	0	0
16	FACE3	PY	.003	.003	0	0
17	FACE2	PY	.006	.006	0	0
18	FACE1	PY	.006	.006	0	0
19	HSRK1	PY	.002	.002	0	0
20	HSRK2	PY	.002	.002	0	0
21	HSRK3	PY	.002	.002	0	0
22	HSRK4	PY	.002	.002	0	0
23	HSRK5	PY	.002	.002	0	0
24	HSRK6	PY	.002	.002	0	0
25	KICKER1	PY	.002	.002	0	0
26	KICKER2	PY	.002	.002	0	0
27	KICKER3	PY	.002	.002	0	0
28	MP ALPHA1	PY	.003	.003	0	0
29	MP ALPHA2	PY	.003	.003	0	0
30	MP ALPHA3	PY	.003	.003	0	0
31	MP ALPHA4	PY	.003	.003	0	0
32	MP ALPHA5	PY	.003	.003	0	0
33	MP ALPHA6	PY	.003	.003	0	0
34	MP ALPHA7	PY	.003	.003	0	0
35	MP BETA1	PY	.003	.003	0	0
36	MP BETA2	PY	.003	.003	0	0
37	MP BETA3	PY	.003	.003	0	0
38	MP BETA4	PY	.003	.003	0	0
39	MP BETA5	PY	.003	.003	0	0
40	MP GAMMA1	PY	.003	.003	0	0
41	MP GAMMA2	PY	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
42	MP GAMMA3	PY	.003	.003	0	0
43	MP GAMMA4	PY	.003	.003	0	0
44	MP GAMMA5	PY	.003	.003	0	0
45	MP GAMMA6	PY	.003	.003	0	0
46	PLATE1	PY	.001	.001	0	0
47	PLATE2	PY	.001	.001	0	0
48	PLATE3	PY	.001	.001	0	0
49	RAIL3	PY	.002	.002	0	0
50	RAIL2	PY	.004	.004	0	0
51	RAIL1	PY	.004	.004	0	0
52	SO1A	PY	.001	.001	0	0
53	SO2A	PY	.001	.001	0	0
54	SO3A	PY	.001	.001	0	0
55	86		.001	.001	0	0
56	86		.001	.001	0	0
57	86		.001	.001	0	0
58	86		.001	.001	0	0
59	86		.001	.001	0	0
60	86		.001	.001	0	0
61	86		.001	.001	0	0
62	86		.001	.001	0	0
63	86		.001	.001	0	0
64	ANGLE1	PX	-.001	-.001	0	0
65	ANGLE2	PX	-.001	-.001	0	0
66	ANGLE3	PX	-.001	-.001	0	0
67	CONNECTION1	PX	-.000546	-.000546	0	0
68	CONNECTION2	PX	-.000546	-.000546	0	0
69	CONNECTION3	PX	-.000546	-.000546	0	0
70	CORNER1	PX	-.001	-.001	0	0
71	CORNER2	PX	-.001	-.001	0	0
72	CORNER3	PX	-.001	-.001	0	0
73	CRPLATE1	PX	-.000572	-.000572	0	0
74	CRPLATE2	PX	-.000572	-.000572	0	0
75	CRPLATE3	PX	-.000572	-.000572	0	0
76	CRPLATE4	PX	-.000572	-.000572	0	0
77	CRPLATE5	PX	-.000572	-.000572	0	0
78	CRPLATE6	PX	-.000572	-.000572	0	0
79	FACE3	PX	-.002	-.002	0	0
80	FACE2	PX	-.004	-.004	0	0
81	FACE1	PX	-.004	-.004	0	0
82	HSRK1	PX	-.001	-.001	0	0
83	HSRK2	PX	-.001	-.001	0	0
84	HSRK3	PX	-.001	-.001	0	0
85	HSRK4	PX	-.001	-.001	0	0
86	HSRK5	PX	-.001	-.001	0	0
87	HSRK6	PX	-.001	-.001	0	0
88	KICKER1	PX	-.001	-.001	0	0
89	KICKER2	PX	-.001	-.001	0	0
90	KICKER3	PX	-.001	-.001	0	0
91	MP ALPHA1	PX	-.002	-.002	0	0
92	MP ALPHA2	PX	-.002	-.002	0	0
93	MP ALPHA3	PX	-.002	-.002	0	0
94	MP ALPHA4	PX	-.002	-.002	0	0
95	MP ALPHA5	PX	-.002	-.002	0	0
96	MP ALPHA6	PX	-.002	-.002	0	0
97	MP ALPHA7	PX	-.002	-.002	0	0
98	MP BETA1	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
99	MP BETA2	PX	-.002	-.002	0	0
100	MP BETA3	PX	-.002	-.002	0	0
101	MP BETA4	PX	-.002	-.002	0	0
102	MP BETA5	PX	-.002	-.002	0	0
103	MP GAMMA1	PX	-.002	-.002	0	0
104	MP GAMMA2	PX	-.002	-.002	0	0
105	MP GAMMA3	PX	-.002	-.002	0	0
106	MP GAMMA4	PX	-.002	-.002	0	0
107	MP GAMMA5	PX	-.002	-.002	0	0
108	MP GAMMA6	PX	-.002	-.002	0	0
109	PLATE1	PX	-.000599	-.000599	0	0
110	PLATE2	PX	-.000599	-.000599	0	0
111	PLATE3	PX	-.000599	-.000599	0	0
112	RAIL3	PX	-.001	-.001	0	0
113	RAIL2	PX	-.002	-.002	0	0
114	RAIL1	PX	-.002	-.002	0	0
115	SO1A	PX	-.000838	-.000838	0	0
116	SO2A	PX	-.000838	-.000838	0	0
117	SO3A	PX	-.000838	-.000838	0	0
118	76		.000599	-.000599	0	0
119	76		.000599	-.000599	0	0
120	76		.000599	-.000599	0	0
121	76		.000599	-.000599	0	0
122	76		.000599	-.000599	0	0
123	76		.000599	-.000599	0	0
124	76		.000598	-.000598	0	0
125	76		.000598	-.000598	0	0
126	76		.000598	-.000598	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.002	.002	0	0
2	ANGLE2	PY	.002	.002	0	0
3	ANGLE3	PY	.002	.002	0	0
4	CONNECTION1	PY	.001	.001	0	0
5	CONNECTION2	PY	.001	.001	0	0
6	CONNECTION3	PY	.001	.001	0	0
7	CORNER1	PY	.003	.003	0	0
8	CORNER2	PY	.003	.003	0	0
9	CORNER3	PY	.003	.003	0	0
10	CRPLATE1	PY	.001	.001	0	0
11	CRPLATE2	PY	.001	.001	0	0
12	CRPLATE3	PY	.001	.001	0	0
13	CRPLATE4	PY	.001	.001	0	0
14	CRPLATE5	PY	.001	.001	0	0
15	CRPLATE6	PY	.001	.001	0	0
16	FACE3	PY	.004	.004	0	0
17	FACE2	PY	.007	.007	0	0
18	FACE1	PY	.007	.007	0	0
19	HSRK1	PY	.002	.002	0	0
20	HSRK2	PY	.002	.002	0	0
21	HSRK3	PY	.002	.002	0	0
22	HSRK4	PY	.002	.002	0	0
23	HSRK5	PY	.002	.002	0	0
24	HSRK6	PY	.002	.002	0	0
25	KICKER1	PY	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
26	KICKER2	PY	.002	.002	0	0
27	KICKER3	PY	.002	.002	0	0
28	MP ALPHA1	PY	.003	.003	0	0
29	MP ALPHA2	PY	.003	.003	0	0
30	MP ALPHA3	PY	.003	.003	0	0
31	MP ALPHA4	PY	.003	.003	0	0
32	MP ALPHA5	PY	.003	.003	0	0
33	MP ALPHA6	PY	.003	.003	0	0
34	MP ALPHA7	PY	.003	.003	0	0
35	MP BETA1	PY	.003	.003	0	0
36	MP BETA2	PY	.003	.003	0	0
37	MP BETA3	PY	.003	.003	0	0
38	MP BETA4	PY	.003	.003	0	0
39	MP BETA5	PY	.003	.003	0	0
40	MP GAMMA1	PY	.003	.003	0	0
41	MP GAMMA2	PY	.003	.003	0	0
42	MP GAMMA3	PY	.003	.003	0	0
43	MP GAMMA4	PY	.003	.003	0	0
44	MP GAMMA5	PY	.003	.003	0	0
45	MP GAMMA6	PY	.003	.003	0	0
46	PLATE1	PY	.001	.001	0	0
47	PLATE2	PY	.001	.001	0	0
48	PLATE3	PY	.001	.001	0	0
49	RAIL3	PY	.002	.002	0	0
50	RAIL2	PY	.005	.005	0	0
51	RAIL1	PY	.005	.005	0	0
52	SO1A	PY	.002	.002	0	0
53	SO2A	PY	.002	.002	0	0
54	SO3A	PY	.002	.002	0	0
55	86		.001	.001	0	0
56	86		.001	.001	0	0
57	86		.001	.001	0	0
58	86		.001	.001	0	0
59	86		.001	.001	0	0
60	86		.001	.001	0	0
61	86		.001	.001	0	0
62	86		.001	.001	0	0
63	86		.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.002	.002	0	0
2	ANGLE2	PY	.002	.002	0	0
3	ANGLE3	PY	.002	.002	0	0
4	CONNECTION1	PY	.000945	.000945	0	0
5	CONNECTION2	PY	.000945	.000945	0	0
6	CONNECTION3	PY	.000945	.000945	0	0
7	CORNER1	PY	.002	.002	0	0
8	CORNER2	PY	.002	.002	0	0
9	CORNER3	PY	.002	.002	0	0
10	CRPLATE1	PY	.000991	.000991	0	0
11	CRPLATE2	PY	.000991	.000991	0	0
12	CRPLATE3	PY	.000991	.000991	0	0
13	CRPLATE4	PY	.000991	.000991	0	0
14	CRPLATE5	PY	.000991	.000991	0	0
15	CRPLATE6	PY	.000991	.000991	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
16	FACE2	PY	.003	.003	0	0
17	FACE1	PY	.006	.006	0	0
18	FACE3	PY	.006	.006	0	0
19	HSRK1	PY	.002	.002	0	0
20	HSRK2	PY	.002	.002	0	0
21	HSRK3	PY	.002	.002	0	0
22	HSRK4	PY	.002	.002	0	0
23	HSRK5	PY	.002	.002	0	0
24	HSRK6	PY	.002	.002	0	0
25	KICKER1	PY	.002	.002	0	0
26	KICKER2	PY	.002	.002	0	0
27	KICKER3	PY	.002	.002	0	0
28	MP ALPHA1	PY	.003	.003	0	0
29	MP ALPHA2	PY	.003	.003	0	0
30	MP ALPHA3	PY	.003	.003	0	0
31	MP ALPHA4	PY	.003	.003	0	0
32	MP ALPHA5	PY	.003	.003	0	0
33	MP ALPHA6	PY	.003	.003	0	0
34	MP ALPHA7	PY	.003	.003	0	0
35	MP BETA1	PY	.003	.003	0	0
36	MP BETA2	PY	.003	.003	0	0
37	MP BETA3	PY	.003	.003	0	0
38	MP BETA4	PY	.003	.003	0	0
39	MP BETA5	PY	.003	.003	0	0
40	MP GAMMA1	PY	.003	.003	0	0
41	MP GAMMA2	PY	.003	.003	0	0
42	MP GAMMA3	PY	.003	.003	0	0
43	MP GAMMA4	PY	.003	.003	0	0
44	MP GAMMA5	PY	.003	.003	0	0
45	MP GAMMA6	PY	.003	.003	0	0
46	PLATE1	PY	.001	.001	0	0
47	PLATE2	PY	.001	.001	0	0
48	PLATE3	PY	.001	.001	0	0
49	RAIL2	PY	.002	.002	0	0
50	RAIL1	PY	.004	.004	0	0
51	RAIL3	PY	.004	.004	0	0
52	SO1A	PY	.001	.001	0	0
53	SO2A	PY	.001	.001	0	0
54	SO3A	PY	.001	.001	0	0
55	86		.001	.001	0	0
56	86		.001	.001	0	0
57	86		.001	.001	0	0
58	86		.001	.001	0	0
59	86		.001	.001	0	0
60	86		.001	.001	0	0
61	86		.001	.001	0	0
62	86		.001	.001	0	0
63	86		.001	.001	0	0
64	ANGLE1	PX	.001	.001	0	0
65	ANGLE2	PX	.001	.001	0	0
66	ANGLE3	PX	.001	.001	0	0
67	CONNECTION1	PX	.000546	.000546	0	0
68	CONNECTION2	PX	.000546	.000546	0	0
69	CONNECTION3	PX	.000546	.000546	0	0
70	CORNER1	PX	.001	.001	0	0
71	CORNER2	PX	.001	.001	0	0
72	CORNER3	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
73	CRPLATE1	PX	.000572	.000572	0	0
74	CRPLATE2	PX	.000572	.000572	0	0
75	CRPLATE3	PX	.000572	.000572	0	0
76	CRPLATE4	PX	.000572	.000572	0	0
77	CRPLATE5	PX	.000572	.000572	0	0
78	CRPLATE6	PX	.000572	.000572	0	0
79	FACE2	PX	.002	.002	0	0
80	FACE1	PX	.004	.004	0	0
81	FACE3	PX	.004	.004	0	0
82	HSRK1	PX	.001	.001	0	0
83	HSRK2	PX	.001	.001	0	0
84	HSRK3	PX	.001	.001	0	0
85	HSRK4	PX	.001	.001	0	0
86	HSRK5	PX	.001	.001	0	0
87	HSRK6	PX	.001	.001	0	0
88	KICKER1	PX	.001	.001	0	0
89	KICKER2	PX	.001	.001	0	0
90	KICKER3	PX	.001	.001	0	0
91	MP ALPHA1	PX	.002	.002	0	0
92	MP ALPHA2	PX	.002	.002	0	0
93	MP ALPHA3	PX	.002	.002	0	0
94	MP ALPHA4	PX	.002	.002	0	0
95	MP ALPHA5	PX	.002	.002	0	0
96	MP ALPHA6	PX	.002	.002	0	0
97	MP ALPHA7	PX	.002	.002	0	0
98	MP BETA1	PX	.002	.002	0	0
99	MP BETA2	PX	.002	.002	0	0
100	MP BETA3	PX	.002	.002	0	0
101	MP BETA4	PX	.002	.002	0	0
102	MP BETA5	PX	.002	.002	0	0
103	MP GAMMA1	PX	.002	.002	0	0
104	MP GAMMA2	PX	.002	.002	0	0
105	MP GAMMA3	PX	.002	.002	0	0
106	MP GAMMA4	PX	.002	.002	0	0
107	MP GAMMA5	PX	.002	.002	0	0
108	MP GAMMA6	PX	.002	.002	0	0
109	PLATE1	PX	.000599	.000599	0	0
110	PLATE2	PX	.000599	.000599	0	0
111	PLATE3	PX	.000599	.000599	0	0
112	RAIL2	PX	.001	.001	0	0
113	RAIL1	PX	.002	.002	0	0
114	RAIL3	PX	.002	.002	0	0
115	SO1A	PX	.000838	.000838	0	0
116	SO2A	PX	.000838	.000838	0	0
117	SO3A	PX	.000838	.000838	0	0
118	76		.000599	.000599	0	0
119	76		.000599	.000599	0	0
120	76		.000599	.000599	0	0
121	76		.000599	.000599	0	0
122	76		.000599	.000599	0	0
123	76		.000599	.000599	0	0
124	76		.000598	.000598	0	0
125	76		.000598	.000598	0	0
126	76		.000598	.000598	0	0

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

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

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	.001	.001	0	0
2	ANGLE2	PY	.001	.001	0	0
3	ANGLE3	PY	.001	.001	0	0
4	CONNECTION1	PY	.000546	.000546	0	0
5	CONNECTION2	PY	.000546	.000546	0	0
6	CONNECTION3	PY	.000546	.000546	0	0
7	CORNER1	PY	.001	.001	0	0
8	CORNER2	PY	.001	.001	0	0
9	CORNER3	PY	.001	.001	0	0
10	CRPLATE1	PY	.000572	.000572	0	0
11	CRPLATE2	PY	.000572	.000572	0	0
12	CRPLATE3	PY	.000572	.000572	0	0
13	CRPLATE4	PY	.000572	.000572	0	0
14	CRPLATE5	PY	.000572	.000572	0	0
15	CRPLATE6	PY	.000572	.000572	0	0
16	FACE2	PY	.002	.002	0	0
17	FACE1	PY	.004	.004	0	0
18	FACE3	PY	.004	.004	0	0
19	HSRK1	PY	.001	.001	0	0
20	HSRK2	PY	.001	.001	0	0
21	HSRK3	PY	.001	.001	0	0
22	HSRK4	PY	.001	.001	0	0
23	HSRK5	PY	.001	.001	0	0
24	HSRK6	PY	.001	.001	0	0
25	KICKER1	PY	.001	.001	0	0
26	KICKER2	PY	.001	.001	0	0
27	KICKER3	PY	.001	.001	0	0
28	MP ALPHA1	PY	.002	.002	0	0
29	MP ALPHA2	PY	.002	.002	0	0
30	MP ALPHA3	PY	.002	.002	0	0
31	MP ALPHA4	PY	.002	.002	0	0
32	MP ALPHA5	PY	.002	.002	0	0
33	MP ALPHA6	PY	.002	.002	0	0
34	MP ALPHA7	PY	.002	.002	0	0
35	MP BETA1	PY	.002	.002	0	0
36	MP BETA2	PY	.002	.002	0	0
37	MP BETA3	PY	.002	.002	0	0
38	MP BETA4	PY	.002	.002	0	0
39	MP BETA5	PY	.002	.002	0	0
40	MP GAMMA1	PY	.002	.002	0	0
41	MP GAMMA2	PY	.002	.002	0	0
42	MP GAMMA3	PY	.002	.002	0	0
43	MP GAMMA4	PY	.002	.002	0	0
44	MP GAMMA5	PY	.002	.002	0	0
45	MP GAMMA6	PY	.002	.002	0	0
46	PLATE1	PY	.000599	.000599	0	0
47	PLATE2	PY	.000599	.000599	0	0
48	PLATE3	PY	.000599	.000599	0	0
49	RAIL2	PY	.001	.001	0	0
50	RAIL1	PY	.002	.002	0	0
51	RAIL3	PY	.002	.002	0	0
52	SO1A	PY	.000838	.000838	0	0
53	SO2A	PY	.000838	.000838	0	0
54	SO3A	PY	.000838	.000838	0	0
55	86		.000599	.000599	0	0
56	86		.000599	.000599	0	0
57	86		.000599	.000599	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
58	86		.000599	.000599	0	0
59	86		.000599	.000599	0	0
60	86		.000599	.000599	0	0
61	86		.000598	.000598	0	0
62	86		.000598	.000598	0	0
63	86		.000598	.000598	0	0
64	ANGLE1	PX	.002	.002	0	0
65	ANGLE2	PX	.002	.002	0	0
66	ANGLE3	PX	.002	.002	0	0
67	CONNECTION1	PX	.000945	.000945	0	0
68	CONNECTION2	PX	.000945	.000945	0	0
69	CONNECTION3	PX	.000945	.000945	0	0
70	CORNER1	PX	.002	.002	0	0
71	CORNER2	PX	.002	.002	0	0
72	CORNER3	PX	.002	.002	0	0
73	CRPLATE1	PX	.000991	.000991	0	0
74	CRPLATE2	PX	.000991	.000991	0	0
75	CRPLATE3	PX	.000991	.000991	0	0
76	CRPLATE4	PX	.000991	.000991	0	0
77	CRPLATE5	PX	.000991	.000991	0	0
78	CRPLATE6	PX	.000991	.000991	0	0
79	FACE2	PX	.003	.003	0	0
80	FACE1	PX	.006	.006	0	0
81	FACE3	PX	.006	.006	0	0
82	HSRK1	PX	.002	.002	0	0
83	HSRK2	PX	.002	.002	0	0
84	HSRK3	PX	.002	.002	0	0
85	HSRK4	PX	.002	.002	0	0
86	HSRK5	PX	.002	.002	0	0
87	HSRK6	PX	.002	.002	0	0
88	KICKER1	PX	.002	.002	0	0
89	KICKER2	PX	.002	.002	0	0
90	KICKER3	PX	.002	.002	0	0
91	MP ALPHA1	PX	.003	.003	0	0
92	MP ALPHA2	PX	.003	.003	0	0
93	MP ALPHA3	PX	.003	.003	0	0
94	MP ALPHA4	PX	.003	.003	0	0
95	MP ALPHA5	PX	.003	.003	0	0
96	MP ALPHA6	PX	.003	.003	0	0
97	MP ALPHA7	PX	.003	.003	0	0
98	MP BETA1	PX	.003	.003	0	0
99	MP BETA2	PX	.003	.003	0	0
100	MP BETA3	PX	.003	.003	0	0
101	MP BETA4	PX	.003	.003	0	0
102	MP BETA5	PX	.003	.003	0	0
103	MP GAMMA1	PX	.003	.003	0	0
104	MP GAMMA2	PX	.003	.003	0	0
105	MP GAMMA3	PX	.003	.003	0	0
106	MP GAMMA4	PX	.003	.003	0	0
107	MP GAMMA5	PX	.003	.003	0	0
108	MP GAMMA6	PX	.003	.003	0	0
109	PLATE1	PX	.001	.001	0	0
110	PLATE2	PX	.001	.001	0	0
111	PLATE3	PX	.001	.001	0	0
112	RAIL2	PX	.002	.002	0	0
113	RAIL1	PX	.004	.004	0	0
114	RAIL3	PX	.004	.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
115	SO1A	PX	.001	.001	0	0
116	SO2A	PX	.001	.001	0	0
117	SO3A	PX	.001	.001	0	0
118	76		.001	.001	0	0
119	76		.001	.001	0	0
120	76		.001	.001	0	0
121	76		.001	.001	0	0
122	76		.001	.001	0	0
123	76		.001	.001	0	0
124	76		.001	.001	0	0
125	76		.001	.001	0	0
126	76		.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PX	.002	.002	0	0
2	ANGLE2	PX	.002	.002	0	0
3	ANGLE3	PX	.002	.002	0	0
4	CONNECTION1	PX	.001	.001	0	0
5	CONNECTION2	PX	.001	.001	0	0
6	CONNECTION3	PX	.001	.001	0	0
7	CORNER1	PX	.003	.003	0	0
8	CORNER2	PX	.003	.003	0	0
9	CORNER3	PX	.003	.003	0	0
10	CRPLATE1	PX	.001	.001	0	0
11	CRPLATE2	PX	.001	.001	0	0
12	CRPLATE3	PX	.001	.001	0	0
13	CRPLATE4	PX	.001	.001	0	0
14	CRPLATE5	PX	.001	.001	0	0
15	CRPLATE6	PX	.001	.001	0	0
16	FACE2	PX	.004	.004	0	0
17	FACE1	PX	.007	.007	0	0
18	FACE3	PX	.007	.007	0	0
19	HSRK1	PX	.002	.002	0	0
20	HSRK2	PX	.002	.002	0	0
21	HSRK3	PX	.002	.002	0	0
22	HSRK4	PX	.002	.002	0	0
23	HSRK5	PX	.002	.002	0	0
24	HSRK6	PX	.002	.002	0	0
25	KICKER1	PX	.002	.002	0	0
26	KICKER2	PX	.002	.002	0	0
27	KICKER3	PX	.002	.002	0	0
28	MP ALPHA1	PX	.003	.003	0	0
29	MP ALPHA2	PX	.003	.003	0	0
30	MP ALPHA3	PX	.003	.003	0	0
31	MP ALPHA4	PX	.003	.003	0	0
32	MP ALPHA5	PX	.003	.003	0	0
33	MP ALPHA6	PX	.003	.003	0	0
34	MP ALPHA7	PX	.003	.003	0	0
35	MP BETA1	PX	.003	.003	0	0
36	MP BETA2	PX	.003	.003	0	0
37	MP BETA3	PX	.003	.003	0	0
38	MP BETA4	PX	.003	.003	0	0
39	MP BETA5	PX	.003	.003	0	0
40	MP GAMMA1	PX	.003	.003	0	0
41	MP GAMMA2	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
42	MP GAMMA3	PX	.003	.003	0	0
43	MP GAMMA4	PX	.003	.003	0	0
44	MP GAMMA5	PX	.003	.003	0	0
45	MP GAMMA6	PX	.003	.003	0	0
46	PLATE1	PX	.001	.001	0	0
47	PLATE2	PX	.001	.001	0	0
48	PLATE3	PX	.001	.001	0	0
49	RAIL2	PX	.002	.002	0	0
50	RAIL1	PX	.005	.005	0	0
51	RAIL3	PX	.005	.005	0	0
52	SO1A	PX	.002	.002	0	0
53	SO2A	PX	.002	.002	0	0
54	SO3A	PX	.002	.002	0	0
55	76		.001	.001	0	0
56	76		.001	.001	0	0
57	76		.001	.001	0	0
58	76		.001	.001	0	0
59	76		.001	.001	0	0
60	76		.001	.001	0	0
61	76		.001	.001	0	0
62	76		.001	.001	0	0
63	76		.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-.001	-.001	0	0
2	ANGLE2	PY	-.001	-.001	0	0
3	ANGLE3	PY	-.001	-.001	0	0
4	CONNECTION1	PY	-.000546	-.000546	0	0
5	CONNECTION2	PY	-.000546	-.000546	0	0
6	CONNECTION3	PY	-.000546	-.000546	0	0
7	CORNER1	PY	-.001	-.001	0	0
8	CORNER2	PY	-.001	-.001	0	0
9	CORNER3	PY	-.001	-.001	0	0
10	CRPLATE1	PY	-.000572	-.000572	0	0
11	CRPLATE2	PY	-.000572	-.000572	0	0
12	CRPLATE3	PY	-.000572	-.000572	0	0
13	CRPLATE4	PY	-.000572	-.000572	0	0
14	CRPLATE5	PY	-.000572	-.000572	0	0
15	CRPLATE6	PY	-.000572	-.000572	0	0
16	FACE2	PY	-.002	-.002	0	0
17	FACE1	PY	-.004	-.004	0	0
18	FACE3	PY	-.004	-.004	0	0
19	HSRK1	PY	-.001	-.001	0	0
20	HSRK2	PY	-.001	-.001	0	0
21	HSRK3	PY	-.001	-.001	0	0
22	HSRK4	PY	-.001	-.001	0	0
23	HSRK5	PY	-.001	-.001	0	0
24	HSRK6	PY	-.001	-.001	0	0
25	KICKER1	PY	-.001	-.001	0	0
26	KICKER2	PY	-.001	-.001	0	0
27	KICKER3	PY	-.001	-.001	0	0
28	MP ALPHA1	PY	-.002	-.002	0	0
29	MP ALPHA2	PY	-.002	-.002	0	0
30	MP ALPHA3	PY	-.002	-.002	0	0
31	MP ALPHA4	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
32	MP ALPHA5	PY	-.002	-.002	0	0
33	MP ALPHA6	PY	-.002	-.002	0	0
34	MP ALPHA7	PY	-.002	-.002	0	0
35	MP BETA1	PY	-.002	-.002	0	0
36	MP BETA2	PY	-.002	-.002	0	0
37	MP BETA3	PY	-.002	-.002	0	0
38	MP BETA4	PY	-.002	-.002	0	0
39	MP BETA5	PY	-.002	-.002	0	0
40	MP GAMMA1	PY	-.002	-.002	0	0
41	MP GAMMA2	PY	-.002	-.002	0	0
42	MP GAMMA3	PY	-.002	-.002	0	0
43	MP GAMMA4	PY	-.002	-.002	0	0
44	MP GAMMA5	PY	-.002	-.002	0	0
45	MP GAMMA6	PY	-.002	-.002	0	0
46	PLATE1	PY	-.000599	-.000599	0	0
47	PLATE2	PY	-.000599	-.000599	0	0
48	PLATE3	PY	-.000599	-.000599	0	0
49	RAIL2	PY	-.001	-.001	0	0
50	RAIL1	PY	-.002	-.002	0	0
51	RAIL3	PY	-.002	-.002	0	0
52	SO1A	PY	-.000838	-.000838	0	0
53	SO2A	PY	-.000838	-.000838	0	0
54	SO3A	PY	-.000838	-.000838	0	0
55	86		.000599	-.000599	0	0
56	86		.000599	-.000599	0	0
57	86		.000599	-.000599	0	0
58	86		.000599	-.000599	0	0
59	86		.000599	-.000599	0	0
60	86		.000599	-.000599	0	0
61	86		.000598	-.000598	0	0
62	86		.000598	-.000598	0	0
63	86		.000598	-.000598	0	0
64	ANGLE1	PX	.002	.002	0	0
65	ANGLE2	PX	.002	.002	0	0
66	ANGLE3	PX	.002	.002	0	0
67	CONNECTION1	PX	.000945	.000945	0	0
68	CONNECTION2	PX	.000945	.000945	0	0
69	CONNECTION3	PX	.000945	.000945	0	0
70	CORNER1	PX	.002	.002	0	0
71	CORNER2	PX	.002	.002	0	0
72	CORNER3	PX	.002	.002	0	0
73	CRPLATE1	PX	.000991	.000991	0	0
74	CRPLATE2	PX	.000991	.000991	0	0
75	CRPLATE3	PX	.000991	.000991	0	0
76	CRPLATE4	PX	.000991	.000991	0	0
77	CRPLATE5	PX	.000991	.000991	0	0
78	CRPLATE6	PX	.000991	.000991	0	0
79	FACE2	PX	.003	.003	0	0
80	FACE1	PX	.006	.006	0	0
81	FACE3	PX	.006	.006	0	0
82	HSRK1	PX	.002	.002	0	0
83	HSRK2	PX	.002	.002	0	0
84	HSRK3	PX	.002	.002	0	0
85	HSRK4	PX	.002	.002	0	0
86	HSRK5	PX	.002	.002	0	0
87	HSRK6	PX	.002	.002	0	0
88	KICKER1	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
89	KICKER2	PX	.002	.002	0	0
90	KICKER3	PX	.002	.002	0	0
91	MP ALPHA1	PX	.003	.003	0	0
92	MP ALPHA2	PX	.003	.003	0	0
93	MP ALPHA3	PX	.003	.003	0	0
94	MP ALPHA4	PX	.003	.003	0	0
95	MP ALPHA5	PX	.003	.003	0	0
96	MP ALPHA6	PX	.003	.003	0	0
97	MP ALPHA7	PX	.003	.003	0	0
98	MP BETA1	PX	.003	.003	0	0
99	MP BETA2	PX	.003	.003	0	0
100	MP BETA3	PX	.003	.003	0	0
101	MP BETA4	PX	.003	.003	0	0
102	MP BETA5	PX	.003	.003	0	0
103	MP GAMMA1	PX	.003	.003	0	0
104	MP GAMMA2	PX	.003	.003	0	0
105	MP GAMMA3	PX	.003	.003	0	0
106	MP GAMMA4	PX	.003	.003	0	0
107	MP GAMMA5	PX	.003	.003	0	0
108	MP GAMMA6	PX	.003	.003	0	0
109	PLATE1	PX	.001	.001	0	0
110	PLATE2	PX	.001	.001	0	0
111	PLATE3	PX	.001	.001	0	0
112	RAIL2	PX	.002	.002	0	0
113	RAIL1	PX	.004	.004	0	0
114	RAIL3	PX	.004	.004	0	0
115	SO1A	PX	.001	.001	0	0
116	SO2A	PX	.001	.001	0	0
117	SO3A	PX	.001	.001	0	0
118	76		.001	.001	0	0
119	76		.001	.001	0	0
120	76		.001	.001	0	0
121	76		.001	.001	0	0
122	76		.001	.001	0	0
123	76		.001	.001	0	0
124	76		.001	.001	0	0
125	76		.001	.001	0	0
126	76		.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	ANGLE1	PY	-.002	-.002	0	0
2	ANGLE2	PY	-.002	-.002	0	0
3	ANGLE3	PY	-.002	-.002	0	0
4	CONNECTION1	PY	-.000945	-.000945	0	0
5	CONNECTION2	PY	-.000945	-.000945	0	0
6	CONNECTION3	PY	-.000945	-.000945	0	0
7	CORNER1	PY	-.002	-.002	0	0
8	CORNER2	PY	-.002	-.002	0	0
9	CORNER3	PY	-.002	-.002	0	0
10	CRPLATE1	PY	-.000991	-.000991	0	0
11	CRPLATE2	PY	-.000991	-.000991	0	0
12	CRPLATE3	PY	-.000991	-.000991	0	0
13	CRPLATE4	PY	-.000991	-.000991	0	0
14	CRPLATE5	PY	-.000991	-.000991	0	0
15	CRPLATE6	PY	-.000991	-.000991	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F.ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
16	FACE1	PY	-.003	-.003	0	0
17	FACE2	PY	-.006	-.006	0	0
18	FACE3	PY	-.006	-.006	0	0
19	HSRK1	PY	-.002	-.002	0	0
20	HSRK2	PY	-.002	-.002	0	0
21	HSRK3	PY	-.002	-.002	0	0
22	HSRK4	PY	-.002	-.002	0	0
23	HSRK5	PY	-.002	-.002	0	0
24	HSRK6	PY	-.002	-.002	0	0
25	KICKER1	PY	-.002	-.002	0	0
26	KICKER2	PY	-.002	-.002	0	0
27	KICKER3	PY	-.002	-.002	0	0
28	MP ALPHA1	PY	-.003	-.003	0	0
29	MP ALPHA2	PY	-.003	-.003	0	0
30	MP ALPHA3	PY	-.003	-.003	0	0
31	MP ALPHA4	PY	-.003	-.003	0	0
32	MP ALPHA5	PY	-.003	-.003	0	0
33	MP ALPHA6	PY	-.003	-.003	0	0
34	MP ALPHA7	PY	-.003	-.003	0	0
35	MP BETA1	PY	-.003	-.003	0	0
36	MP BETA2	PY	-.003	-.003	0	0
37	MP BETA3	PY	-.003	-.003	0	0
38	MP BETA4	PY	-.003	-.003	0	0
39	MP BETA5	PY	-.003	-.003	0	0
40	MP GAMMA1	PY	-.003	-.003	0	0
41	MP GAMMA2	PY	-.003	-.003	0	0
42	MP GAMMA3	PY	-.003	-.003	0	0
43	MP GAMMA4	PY	-.003	-.003	0	0
44	MP GAMMA5	PY	-.003	-.003	0	0
45	MP GAMMA6	PY	-.003	-.003	0	0
46	PLATE1	PY	-.001	-.001	0	0
47	PLATE2	PY	-.001	-.001	0	0
48	PLATE3	PY	-.001	-.001	0	0
49	RAIL1	PY	-.002	-.002	0	0
50	RAIL2	PY	-.004	-.004	0	0
51	RAIL3	PY	-.004	-.004	0	0
52	SO1A	PY	-.001	-.001	0	0
53	SO2A	PY	-.001	-.001	0	0
54	SO3A	PY	-.001	-.001	0	0
55	86		.001	-.001	0	0
56	86		.001	-.001	0	0
57	86		.001	-.001	0	0
58	86		.001	-.001	0	0
59	86		.001	-.001	0	0
60	86		.001	-.001	0	0
61	86		.001	-.001	0	0
62	86		.001	-.001	0	0
63	86		.001	-.001	0	0
64	ANGLE1	PX	.001	.001	0	0
65	ANGLE2	PX	.001	.001	0	0
66	ANGLE3	PX	.001	.001	0	0
67	CONNECTION1	PX	.000546	.000546	0	0
68	CONNECTION2	PX	.000546	.000546	0	0
69	CONNECTION3	PX	.000546	.000546	0	0
70	CORNER1	PX	.001	.001	0	0
71	CORNER2	PX	.001	.001	0	0
72	CORNER3	PX	.001	.001	0	0

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

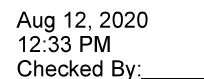
	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
73	CRPLATE1	PX	.000572	.000572	0	0
74	CRPLATE2	PX	.000572	.000572	0	0
75	CRPLATE3	PX	.000572	.000572	0	0
76	CRPLATE4	PX	.000572	.000572	0	0
77	CRPLATE5	PX	.000572	.000572	0	0
78	CRPLATE6	PX	.000572	.000572	0	0
79	FACE1	PX	.002	.002	0	0
80	FACE2	PX	.004	.004	0	0
81	FACE3	PX	.004	.004	0	0
82	HSRK1	PX	.001	.001	0	0
83	HSRK2	PX	.001	.001	0	0
84	HSRK3	PX	.001	.001	0	0
85	HSRK4	PX	.001	.001	0	0
86	HSRK5	PX	.001	.001	0	0
87	HSRK6	PX	.001	.001	0	0
88	KICKER1	PX	.001	.001	0	0
89	KICKER2	PX	.001	.001	0	0
90	KICKER3	PX	.001	.001	0	0
91	MP ALPHA1	PX	.002	.002	0	0
92	MP ALPHA2	PX	.002	.002	0	0
93	MP ALPHA3	PX	.002	.002	0	0
94	MP ALPHA4	PX	.002	.002	0	0
95	MP ALPHA5	PX	.002	.002	0	0
96	MP ALPHA6	PX	.002	.002	0	0
97	MP ALPHA7	PX	.002	.002	0	0
98	MP BETA1	PX	.002	.002	0	0
99	MP BETA2	PX	.002	.002	0	0
100	MP BETA3	PX	.002	.002	0	0
101	MP BETA4	PX	.002	.002	0	0
102	MP BETA5	PX	.002	.002	0	0
103	MP GAMMA1	PX	.002	.002	0	0
104	MP GAMMA2	PX	.002	.002	0	0
105	MP GAMMA3	PX	.002	.002	0	0
106	MP GAMMA4	PX	.002	.002	0	0
107	MP GAMMA5	PX	.002	.002	0	0
108	MP GAMMA6	PX	.002	.002	0	0
109	PLATE1	PX	.000599	.000599	0	0
110	PLATE2	PX	.000599	.000599	0	0
111	PLATE3	PX	.000599	.000599	0	0
112	RAIL1	PX	.001	.001	0	0
113	RAIL2	PX	.002	.002	0	0
114	RAIL3	PX	.002	.002	0	0
115	SO1A	PX	.000838	.000838	0	0
116	SO2A	PX	.000838	.000838	0	0
117	SO3A	PX	.000838	.000838	0	0
118	76		.000599	.000599	0	0
119	76		.000599	.000599	0	0
120	76		.000599	.000599	0	0
121	76		.000599	.000599	0	0
122	76		.000599	.000599	0	0
123	76		.000599	.000599	0	0
124	76		.000598	.000598	0	0
125	76		.000598	.000598	0	0
126	76		.000598	.000598	0	0

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	N125A	max	2.202	11	7.697	2	3.237	2	1.471	2	4.267	11	3.538	29
2		min	-2.124	29	-6.032	20	-2.434	20	-1.461	20	-3.961	29	-3.563	11
3	N128	max	4.926	8	2.979	5	2.755	26	3.759	17	1.983	20	3.175	17
4		min	-6.539	26	-3.941	23	-2.123	8	-3.525	35	-1.83	2	-2.683	35
5	N131	max	6.624	14	3.086	35	3.023	14	3.173	23	2.572	5	2.474	5
6		min	-4.794	32	-4.34	17	-2.39	32	-3.062	5	-2.668	23	-2.83	23
7	N253	max	.151	29	4.858	20	4.483	20	1.121	20	.099	35	.237	17
8		min	-.192	14	-2.499	2	-2.287	2	-.572	2	-.182	17	-.135	35
9	N258	max	1.956	26	1.094	26	3.894	8	.37	29	.802	5	.296	32
10		min	-3.68	8	-2.073	8	-2.046	26	-.584	11	-.419	23	-.263	11
11	N263	max	3.763	32	1.217	14	3.962	32	.387	11	.495	17	.317	29
12		min	-2.2	14	-2.091	32	-2.293	14	-.619	29	-.815	35	-.276	11
13	Totals:	max	7.088	11	7.288	2	8.066	24						
14		min	-7.088	29	-7.509	20	3.871	5						

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me... Surface(...	
1	Live Load	DL					1		
2	Wind Load (0)	DL					34	63	
3	Dead Load	DL			-1.1		34		
4	Wind Load (30)	DL					68	126	
5	Wind Load (60)	DL					68	126	
6	Wind Load (90)	DL					34	63	
7	Wind Load (120)	DL					68	126	
8	Wind Load (150)	DL					68	126	
9	Wind Load (180)	DL					34	63	
10	Wind Load (210)	DL					68	126	
11	Wind Load (240)	DL					68	126	
12	Wind Load (270)	DL					34	63	
13	Wind Load (300)	DL					68	126	
14	Wind Load (330)	DL					68	126	
15	Maintenance (0)	DL					34	63	
16	Maintenance (30)	DL					68	126	
17	Maintenance (60)	DL					68	126	
18	Maintenance (90)	DL					34	63	
19	Maintenance (120)	DL					68	126	
20	Maintenance (150)	DL					68	126	
21	Maintenance (180)	DL					34	63	
22	Maintenance (210)	DL					68	126	
23	Maintenance (240)	DL					68	126	
24	Maintenance (270)	DL					34	63	
25	Maintenance (300)	DL					68	126	
26	Maintenance (330)	DL					68	126	
27	Ice Dead Load	DL					34	63	
28	Ice Wind Load (0)	DL					34	63	
29	Ice Wind Load (30)	DL					68	126	
30	Ice Wind Load (60)	DL					68	126	
31	Ice Wind Load (90)	DL					34	63	
32	Ice Wind Load (120)	DL					68	126	
33	Ice Wind Load (150)	DL					68	126	
34	Ice Wind Load (180)	DL					34	63	
35	Ice Wind Load (210)	DL					68	126	
36	Ice Wind Load (240)	DL					68	126	
37	Ice Wind Load (270)	DL					34	63	

RISA-3D Version 17.0.2 [T:\...\(20-67835) Mount Analysis + MDD AT&T\RISA\841295 (2).R3D] Page 123

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

	Member	Shape	Code Check	Lo...	LC	Shear ...	Loc[ft]	Dir	LC	phi*P...	phi*P...	phi*M...	phi*M...	Eqn
1	HSRK1	L3X3X4	.955	5.0...	11	.030	5.087	z	20	26.297	46.656	1.688	3.575 ...	H2-1
2	SR14	SR1/2	.850	.25	5	.228	0		5	6.172	6.362	.053	.053 ...	H1-1b
3	SR22	SR1/2	.849	.25	29	.226	0		29	6.172	6.362	.053	.053 ...	H1-1b
4	SR6	SR1/2	.849	.25	17	.225	0		17	6.172	6.362	.053	.053 ...	H1-1b
5	HSRK6	L3X3X4	.817	5.0...	14	.030	5.087	y	14	26.297	46.656	1.688	3.66 ...	H2-1
6	HSRK5	L3X3X4	.778	5.0...	32	.032	5.087	z	5	26.297	46.656	1.688	3.577 ...	H2-1
7	SR11	SR1/2	.777	0	14	.299	0		17	6.172	6.362	.053	.053 ...	H1-1b
8	HSRK2	L3X3X4	.776	5.0...	20	.030	5.087	z	23	26.297	46.656	1.688	3.707 ...	H2-1
9	HSRK3	L3X3X4	.769	5.0...	20	.034	5.087	z	29	26.297	46.656	1.688	3.576 ...	H2-1
10	SR3	SR1/2	.757	0	26	.281	0		26	6.172	6.362	.053	.053 ...	H1-1b
11	HSRK4	L3X3X4	.744	5.0...	17	.030	5.087	y	20	26.297	46.656	1.688	3.649 ...	H2-1
12	SR8	SR1/2	.729	.25	5	.306	.25		26	6.172	6.362	.053	.053 ...	H1-1b
13	SR4	SR1/2	.712	0	14	.292	0		11	6.172	6.362	.053	.053 ...	H1-1b
14	MP GAMMA5	PIPE 2.0	.711	.281	14	.158	4.219		26	25.204	32.13	1.872	1.872 ...	H1-1b
15	SR20	SR1/2	.703	0	26	.242	0		23	6.172	6.362	.053	.053 ...	H1-1b
16	MP ALPHA5	PIPE 2.0	.697	.281	26	.125	4.219		2	25.204	32.13	1.872	1.872 ...	H1-1b
17	SR17	SR1/2	.694	0	29	.141	.25		17	6.172	6.362	.053	.053 ...	H1-1b
18	SR12	SR1/2	.691	0	2	.282	0		35	6.172	6.362	.053	.053 ...	H1-1b
19	SR7	SR1/2	.666	0	26	.326	0		26	6.172	6.362	.053	.053 ...	H1-1b
20	SR21	SR1/2	.664	0	11	.189	0		11	6.172	6.362	.053	.053 ...	H1-1b
21	SR15	SR1/2	.663	0	14	.331	0		14	6.172	6.362	.053	.053 ...	H1-1b
22	SR9	SR1/2	.661	0	5	.129	.25		5	6.172	6.362	.053	.053 ...	H1-1b
23	SR18	SR1/2	.659	0	35	.143	.25		35	6.172	6.362	.053	.053 ...	H1-1b
24	SR16	SR1/2	.658	.25	29	.312	.25		14	6.172	6.362	.053	.053 ...	H1-1b
25	MP GAMMA2	PIPE 2.0	.652	.281	17	.167	4.219		14	25.204	32.13	1.872	1.872 ...	H1-1b
26	SR1	SR1/2	.650	0	17	.125	0		35	6.172	6.362	.053	.053 ...	H1-1b
27	MP ALPHA3	PIPE 2.0	.643	.281	8	.159	4.219		32	25.204	32.13	1.872	1.872 ...	H1-1b
28	SR10	SR1/2	.642	.25	5	.125	0		5	6.172	6.362	.053	.053 ...	H1-1b
29	SR2	SR1/2	.638	.25	17	.127	.25		35	6.172	6.362	.053	.053 ...	H1-1b
30	SR13	SR1/2	.637	.25	11	.185	.25		5	6.172	6.362	.053	.053 ...	H1-1b
31	SR5	SR1/2	.637	0	35	.185	0		35	6.172	6.362	.053	.053 ...	H1-1b
32	SR19	SR1/2	.636	0	2	.240	0		5	6.172	6.362	.053	.053 ...	H1-1b
33	MP ALPHA1	PIPE 2.0	.628	.281	14	.079	.281		8	25.204	32.13	1.872	1.872 ...	H1-1b
34	SR24	SR1/2	.628	.25	17	.253	0		20	6.172	6.362	.053	.053 ...	H1-1b
35	MP BETA4	PIPE 2.0	.620	.281	20	.167	4.219		14	25.204	32.13	1.872	1.872 ...	H1-1b
36	SR23	SR1/2	.604	0	2	.276	0		2	6.172	6.362	.053	.053 ...	H1-1b
37	RAIL3	L3X3X4	.583	7.7...	8	.432	4.964	z	35	4.661	46.656	1.688	2.936 ...	H2-1
38	RAIL1	L3X3X4	.579	7.7...	20	.341	4.964	z	8	4.661	46.656	1.688	2.952 ...	H2-1
39	SO3A	HSS4X4X3	.573	6.1...	11	.478	6.182	y	11	91.586	106.8...	12.662	12.662 ...	H3-6
40	MP GAMMA1	PIPE 2.0	.572	.281	2	.080	.281		32	25.204	32.13	1.872	1.872 ...	H1-1b
41	RAIL2	L3X3X4	.567	4.9...	32	.350	4.964	z	20	4.661	46.656	1.688	2.855 ...	H2-1
42	MP BETA2	PIPE 2.0	.562	.281	5	.176	4.219		26	25.204	32.13	1.872	1.872 ...	H1-1b
43	MP BETA1	PIPE 2.0	.558	.281	26	.056	.281		35	25.204	32.13	1.872	1.872 ...	H1-1b
44	FACE3	C5X6.7	.550	.268	5	.716	6.842	y	5	4.445	63.828	1.604	7.695 ...	H1-1b
45	SO2A	HSS4X4X3	.537	6.1...	23	.453	6.182	y	23	91.586	106.8...	12.662	12.662 ...	H3-6
46	FACE2	C5X6.7	.523	.268	29	.696	6.842	y	29	4.445	63.828	1.604	7.921 ...	H1-1b
47	SO1A	HSS4X4X3	.507	6.1...	17	.452	6.182	y	17	91.586	106.8...	12.662	12.662 ...	H3-6
48	FACE1	C5X6.7	.491	6.9...	20	.746	6.842	y	17	4.445	63.828	1.604	6.623 ...	H1-1b
49	PLATE3	9x0.5	.477	.386	17	.275	.378	y	23	117.3...	145.8	1.519	27.338 ...	H1-1b
50	MP BETA3	PIPE 2.0	.425	4.0...	14	.066	3.995		26	19.36	32.13	1.872	1.872 ...	H1-1b
51	MP ALPHA4	PIPE 2.0	.425	4.0...	20	.060	3.995		29	19.36	32.13	1.872	1.872 ...	H1-1b
52	MP GAMMA3	PIPE 2.0	.425	4.0...	26	.067	3.995		17	19.36	32.13	1.872	1.872 ...	H1-1b
53	MP GAMMA6	PIPE 2.0	.417	4.0...	8	.074	3.995		23	19.36	32.13	1.872	1.872 ...	H1-1b
54	MP BETA5	PIPE 2.0	.417	4.0...	14	.075	3.995		14	19.36	32.13	1.872	1.872 ...	H1-1b
55	MP ALPHA6	PIPE 2.0	.417	4.0...	20	.064	3.995		35	19.36	32.13	1.872	1.872 ...	H1-1b
56	PLATE1	9x0.5	.395	.386	11	.241	.386	y	23	117.3...	145.8	1.519	27.338 ...	H1-1b
57	PLATE2	9x0.5	.393	.386	35	.251	.386	y	17	117.3...	145.8	1.519	27.338 ...	H1-1b

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

Member	Shape	Code Check	Lo...	LC	Shear ...	Locftl	Dir	LC	phi*P...	phi*P...	phi*M...	phi*M...	Egn
58	MP GAMMA4	PIPE 2.5X	.315	4.8...	2	.072	.781		32	18.374	66.15	4.646	4.646 ... H1-1b
59	KICKER3	LL2.5x2.5x3x0	.255	4.07	11	.016	4.07	z	14	45.464	58.32	3.3	2.55 ... H1-1b
60	KICKER2	LL2.5x2.5x3x0	.243	4.07	17	.019	4.07	z	32	45.464	58.32	3.3	2.55 ... H1-1b
61	KICKER1	LL2.5x2.5x3x0	.239	4.07	26	.019	4.07	z	26	45.464	58.32	3.3	2.55 ... H1-1b
62	SR29	SR1/2	.206	.258	2	.062	0		5	6.16	6.362	.053	.053 ... H1-1b
63	SR30	SR1/2	.197	.258	26	.063	0		23	6.16	6.362	.053	.053 ... H1-1b
64	CONNECTION2	3/8 x 4	.190	0	14	.061	0	y	11	33.028	48.6	.38	4.05 ... H1-1b
65	CONNECTION1	3/8 x 4	.173	0	26	.092	.773	y	17	33.028	48.6	.38	4.05 ... H1-1b
66	CONNECTION3	3/8 x 4	.153	0	2	.055	.773	y	8	33.028	48.6	.38	4.05 ... H1-1b
67	SR26	SR1/2	.146	0	17	.031	0		20	6.16	6.362	.053	.053 ... H1-1b
68	SR25	SR1/2	.141	0	11	.030	0		5	6.16	6.362	.053	.053 ... H1-1b
69	Tab4	4X0.5	.133	0	17	.135	.203	y	11	63.834	64.8	.675	5.4 ... H1-1b
70	CRPLATE4	4.5X0.5	.122	.131	17	.010	.131	y	23	72.444	72.9	.759	6.834 ... H1-1b
71	Tab3	4X0.5	.121	0	20	.379	0	y	5	63.834	64.8	.675	5.4 ... H1-1b
72	Tab6	4X0.5	.119	0	29	.124	.203	y	23	63.834	64.8	.675	5.4 ... H1-1b
73	CRPLATE5	4.5X0.5	.119	.131	20	.008	.131	y	29	72.444	72.9	.759	6.834 ... H1-1b
74	Tab5	4X0.5	.118	0	11	.404	0	y	17	63.834	64.8	.675	5.4 ... H1-1b
75	ANGLE1	L3X3X4	.114	4.6...	32	.010	4.679	y	11	28.725	46.656	1.688	3.372 ... H2-1
76	CRPLATE3	4.5X0.5	.114	.131	11	.009	.131	y	5	72.444	72.9	.759	6.834 ... H1-1b
77	Tab1	4X0.5	.114	0	23	.366	0	y	29	63.834	64.8	.675	5.4 ... H1-1b
78	CRPLATE1	4.5X0.5	.111	.131	23	.009	.131	y	17	72.444	72.9	.759	6.834 ... H1-1b
79	CRPLATE2	4.5X0.5	.109	.131	29	.009	.131	y	35	72.444	72.9	.759	6.834 ... H1-1b
80	ANGLE3	L3X3X4	.100	4.6...	20	.007	4.679	y	17	28.725	46.656	1.688	3.372 ... H2-1
81	MP ALPHA7	PIPE 2.0	.098	1.7...	14	.025	1.734		17	30.238	32.13	1.872	1.872 ... H1-1b
82	Tab2	4X0.5	.094	0	5	.128	.203	y	35	63.834	64.8	.675	5.4 ... H1-1b
83	ANGLE2	L3X3X4	.092	4.6...	8	.013	0	z	20	28.725	46.656	1.688	3.372 ... H2-1
84	CRPLATE6	4.5X0.5	.086	.131	5	.010	.131	y	11	72.444	72.9	.759	6.834 ... H1-1b
85	CORNER2	L4X4X4	.081	.059	17	.016	5.708	y	23	48.223	62.532	3.138	6.874 ... H2-1
86	CORNER3	L4X4X4	.075	.535	5	.016	5.708	y	11	48.223	62.532	3.138	6.897 ... H2-1
87	CORNER1	L4X4X4	.074	.357	29	.015	0	y	17	48.223	62.532	3.138	6.897 ... H2-1
88	SR27	SR1/2	.064	0	2	.020	0		5	6.16	6.362	.053	.053 ... H1-1b
89	SR28	SR1/2	.062	0	26	.020	0		23	6.16	6.362	.053	.053 ... H1-1b
90	MP ALPHA2	PIPE 2.0	.048	2.6...	35	.084	.281		23	25.204	32.13	1.872	1.872 ... H1-1b
91	Tieback3	PIPE 2.0	.041	5.9...	11	.015	0		36	20.968	32.13	1.872	1.872 ... H1-...
92	Tieback1	PIPE 2.0	.041	5.0...	32	.068	0		35	9.615	32.13	1.872	1.872 ... H1-1b
93	Tieback2	PIPE 2.0	.026	4.4...	14	.026	4.466		35	25.295	32.13	1.872	1.872 ... H1-...

APPENDIX D

Additional Calculations



POD Job #	20-67835
Site Number	841295
Site Name	BETHANY

Calculations Based on TIA-222-H

Reactions from RISA-3D

Moment	3.961 ft-kip
Axial	6.038 kips
Shear	2.613 kips

Bolt Information

Grade	A325
Threads in Shear Plane	Included
Diameter	0.625 in.
Bolt Spacing	7 in.
Number of Rods	4

Flange Plate Information

Width	10 in.
Thickness	0.625 in.
Grade	A36

Standoff Information

Standoff Member	HSS
Flat-Flat	4 in.
Thickness	0.25 in.

Bolt Calculations

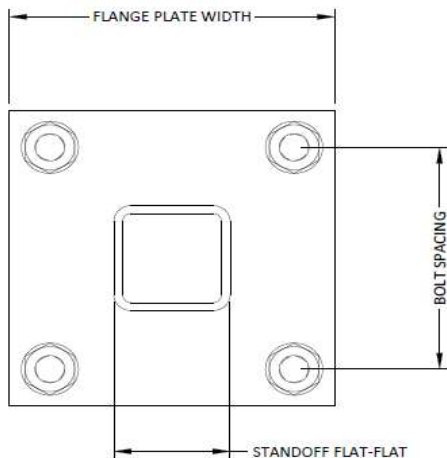
ϕ	0.75
A_{nt}	0.226 in ²
A_b	0.307 in ²
F_u	120 ksi
ϕR_{nv}	13.81 kips
ϕR_{nt}	20.34 kips
V	0.65 kips
F	4.90 kips
Capacity	6.0%

Flange Plate Calculations

ϕ	0.9
F_y	36 ksi
t_{min}	0.25 in
Z	1.0 in ³
ϕM_n	31.6 in-kip
M_u	14.7 in-kip
Capacity	46.5%

Capacities

Bolts	6.0%
Flange Plate	46.5%





POD Job # 20-67835
Site Number 841295
Site Name BETHANY

Connection Type Single Shear

RISA 3D Forces

Axial (Bolts) 0.047 kips
 Shear (Bolts) 1.145 kips
 Axial Force (Member) 0.042 kips

Bolt/Member Information

Member Label	Corner1	
# of Bolts	1	
Diameter	0.5	inches
Bolt Grade	A325	
Member Grade	A36	
Threads Included?	Yes	
L _b	0	inches
L _c	1.25	inches
t	0.25	inches

Prying Inputs:

Member Grade	A36	
Angle Size	L3X3X1/4	in
Length of Bolted Leg	3	in
Torsion	0	k-ft
My	0.299	k-ft

Shear Capacity 13.0%

Axial Capacity 0.4%

Bearing Capacity 0.3%

Combined Capacity 1.7%

Prying Check 6.5%

APPENDIX E
Specification Sheets

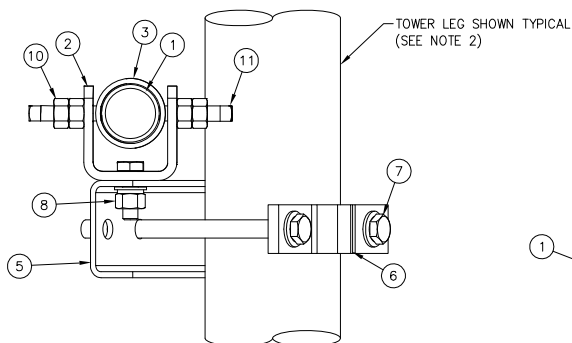


C10179001 SWIVEL KNUCKLE TIEBACK KIT

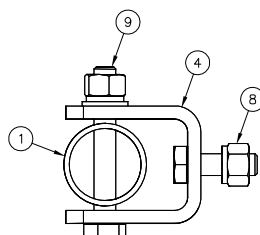
ITEM	QTY.	PART NO.	DESCRIPTION	WEIGHT
1.	1	CS02099	PIPE, 2 3/8" O.D. X 0.148 X 10'-0	32
2.	1	CW00013	SWIVEL PLATE WELDMENT	3
3.	1	CS00097	PIPE, 2 7/8" O.D. X 0.203 X 0'-1 3/4	1
4.	1	CS00098	BENT SWIVEL PLATE	3
5.	1	CS01360	PLATE, MOUNTING BRACKET (FORMED CHANNEL)	9
6.	1	CS01361	PLATE, 2 HOLE ADAPTER CLAMP	3
7.	2	C40140001	BOLT ASSEMBLY, 3/4 X 10 A307 W/NUT, LKW, FLW	4
8.	2	C40026023	BOLT ASSEMBLY, 5/8 X 2 A325	1
9.	1	C40026033	BOLT ASSEMBLY, 5/8 X 4 1/2 A325	1
10.	2	C40042007	HEX NUT, 5/8 A194 2H	1
11.	2	C40998007	SQ. HEAD SET SCREW, 5/8 X 2 1/2	1
TOTAL WEIGHT				59

NOTES:

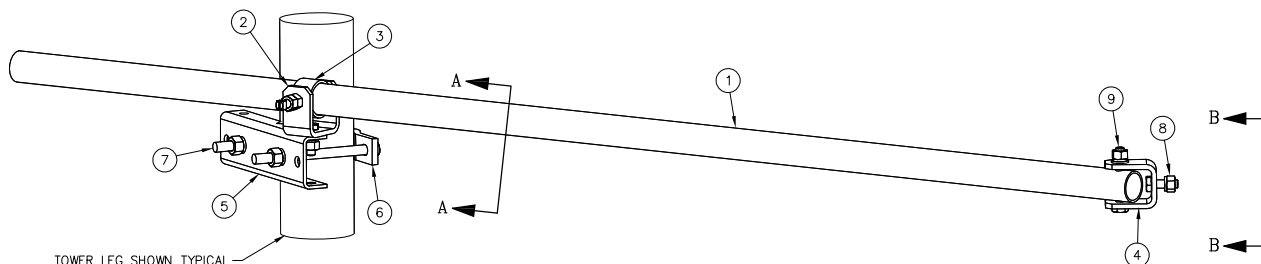
- QUANTITIES SHOWN IN LISTS OF MATERIAL ARE FOR ONE (1) SWIVEL KNUCKLE TIEBACK ONLY.
- THIS SWIVEL KNUCKLE TIEBACK KIT WILL MOUNT TO THE FOLLOWING:
 - 1 1/2" TO 5 9/16" ROUND LEG
 - L 2 1/2 X 2 1/2 TO L 4 X 4 ANGLE LEG



SECTION A-A



SECTION B-B



TOWER LEG SHOWN TYPICAL
(SEE NOTE 2)

ISOMETRIC VIEW

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES		MATERIAL:	
TOLERANCES: FRACTIONS $\pm 1/16"$ ANGLES $\pm 1/2$ DEG. DECIMALS $\pm .010"$		TOLERANCES DO NOT APPLY TO RAW MATERIAL	
REV	DATE	DRW	CHK
3	8/6/09	MLC	MLC
2	1/7/09	MLC	MLC
1	12/1/06	MLC	MLC

Sabre Industries
Towers and Poles

CONFIDENTIAL
This document and the information contained herein is the confidential trade secret property of Sabre Communications Corporation ("Sabre") and must not be reproduced, copied or used, in whole or in part, for any purpose without the prior written consent of Sabre.
© 2014 Sabre Communications Corporation. All rights reserved.

SWIVEL KNUCKLE TIEBACK ASSEMBLY (2 3/8" PIPE X 10'-0")

DATE	10/12/06	SIZE	B	DRAWING NO.	C10179001	REV	3
DRAWN BY	MLC	CHECKED BY	MC	SCALE	None	PAGE	1 OF 1

APPENDIX F

Mount Modification Design Drawings



SITE:
841295 BETHANY (10035070)

MODIFICATION DRAWING FOR AN EXISTING 13' PLATFORM AT 148' ON A 150' MONOPOLE TOWER

SHEET INDEX

T-01	TITLE SHEET
N-01	NOTES
S-01	PLAN VIEW
S-02	ELEVATION VIEW
MI-01	MODIFICATION CHECKLIST

PROJECT INFORMATION

COUNTY:	NEW HAVEN
SITE ADDRESS:	719 AMITY ROAD BETHANY, CT 06523
LATITUDE:	41° 36' 33.93"
LONGITUDE:	-72° 59' 32.86"

SCOPE OF WORK:

MOUNT MODIFICATION. DRAWINGS INCLUDES:
REPLACE EXISTING MP & INSTALL PROPOSED TIEBACKS.



DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF CROWN CASTLE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF CROWN CASTLE.

MODIFICATION DRAWING



REV.	DATE	DESCRIPTION

SITE INFORMATION:

BETHANY (10035070)

719 AMITY ROAD
BETHANY, CT 06523

SITE NUMBER:
841295

POD NUMBER:	20-47835
DRAWN BY:	TAJ
CHECKED BY:	JGC
DATE:	06/15/2020

SHEET TITLE:

TITLE SHEET

T-01

GENERAL NOTES

- THE MODIFICATIONS REPRESENTED IN THESE DRAWINGS ARE BASED ON THE STRUCTURAL DOCUMENTS PROVIDED IN THE STRUCTURAL DOCUMENTS TABLE. THE CONTRACTOR SHALL OBTAIN AND BECOME FAMILIAR WITH ALL REFERENCED DOCUMENTS.

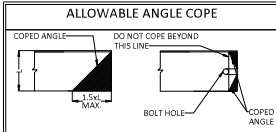
REFERENCE DOCUMENTS	
DOCUMENT TYPE	DESIGNATION
INVENTORY	
PROJECT NUMBER	3039-20003.1-B
DATE	05/06/2020
- ALL MODIFICATIONS MUST BE INSTALLED TO BRING THE TOWER INTO CONFORMANCE WITH ALL APPLICABLE CODES.

GOVERNING CODES	
ULTIMATE WIND SPEED	TIA-222-H & 2018 IBC
RADIAL ICE THICKNESS	125 MPH 3 SECOND GUST
WIND SPEED W/ ICE	50 MPH 3 SECOND GUST
STRUCTURE CLASS	II
EXPOSURE CATEGORY	C
TOPOGRAPHIC CATEGORY	I
SPECTRAL RESPONSE ACCELERATIONS	950 0.189 & 514 0.063
- ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE OR APPROVED BY THE EOR. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE PERFORMING WORK SIMILAR TO THAT DESCRIBED WITHIN THESE DRAWINGS. BY ACCEPTANCE OF THIS PROJECT, THE CONTRACTOR IS ATTESTING THAT HE HAS SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND REGISTERED TO PERFORM THE WORK IN THE PROJECT JURISDICTION.
- WORK SHALL ONLY BE PERFORMED DURING CALM, DRY DAYS (WINDS LESS THAN 10MPH). IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE INSTALLATION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIE-DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
- ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIAL ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND EOR. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE EOR SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES AND PROCEDURES.
- THE DESIGN WITHIN THESE DRAWINGS ASSUMES THE TOWER AND ITS FOUNDATIONS HAVE BEEN WELL MAINTAINED, IN GOOD CONDITION AND ARE WITHOUT DEFECT. BENT MEMBERS, CORRODED MEMBERS, LOOSE BOLTS, CRACKED WELDS, AND OTHER STRUCTURAL DEFECTS HAVE NOT BEEN CONSIDERED UNLESS SPECIFICALLY NOTED. THE TOWER IS ASSUMED TO BE PLUMB AND THE SITE IS ASSUMED LEVEL. THE OWNER AND/OR EOR SHALL BE NOTICED IMMEDIATELY IF ANY VARIANCES ARE FOUND.
- THE CONTRACTOR SHALL ONLY WORK WITHIN THE LIMITS OF THE TOWER OWNER'S PROPERTY, LEASE AREA OR APPROVED EASEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WORK IS PERFORMED WITHIN THESE BOUNDARIES. CONSTRUCTION STAKING AND BOUNDARY MARKING IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A SURVEYOR AS REQUIRED. ANY WORK OUTSIDE THESE BOUNDARIES SHALL BE APPROVED IN WRITING BY THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAIN AND SUPERVISING ALL SAFETY PRECAUTIONS AND PREPARATIONS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT ALL WORK PERFORMED COMPLIES WITH ALL APPLICATION SAFETY CODES AND GOVERNING REGULATIONS.
- ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULES AND MATERIAL DELIVERIES, WITH THE OWNER/RESIDENT LIAISON AGENT FOR APPROVAL.
- THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNING AGENCIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDED BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE EOR.
- UNLESS NOTED OTHERWISE, ALL NEW MEMBERS SHALL MAINTAIN THE EXISTING MEMBER WORKING LINES AND NOT INTRODUCE ECCENTRICITIES INTO THE STRUCTURE.
- ALL DIMENSIONS AND QUANTITIES LISTED WITHIN THESE DRAWINGS ARE INTENDED TO AID THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL DIMENSION AND QUANTITIES PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
- ALL MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY. ANY DEVIATION REQUIRES WRITTEN APPROVAL FROM THE EOR.
- THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY REMOVING COAX, BRACKETS, ANTENNAS MOUNTS AND ANY OTHER TOWER APPURTENANCE THAT MAY INTERFERE WITH THE INSTALLATION OF THE TOWER MODIFICATIONS. ALL TOWER APPURTENANCES MUST BE REPLACE AND/OR RESTORED TO ITS ORIGINAL LOCATION. SOME MOUNTS OR ATTACHMENTS MAY REQUIRE CUSTOM MODIFICATION TO PROPERLY FIT THE MODIFIED REGION OF THE STRUCTURE. THESE CUSTOM MOUNTS OR ATTACHMENTS ARE DESIGNED BY OTHERS AND MUST BE APPROVED BY THE OWNER/EOR PRIOR TO REMOVAL. ANY CARRIER DOWNTIME MUST BE COORDINATED WITH THE OWNER IN WRITING.
- DO NOT SCALE DRAWINGS.

STRUCTURAL STEEL NOTES

- ALL DETAILS, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.
- ALL STRUCTURAL STEEL ELEMENTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.

MATERIAL SPECIFICATIONS	
PIPES	ASTM A53 GR. B (35 KSI YIELD STRENGTH)
BOLTS	ASTM A325N
NUTS	ASTM A307
WASHER	ASTM F436
PLATE	ASTM A36 (36 KSI YIELD STRENGTH)
U-BOLTS	ASTM A307
- ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE FABRICATOR IN ACCORDANCE WITH AISC SPECIFICATIONS, LATEST EDITION.
- CAULKING SHALL BE PROVIDED AROUND PERIMETER OF ANY AND ALL MODIFICATION MEMBERS TO ENSURE COMPLETE SEAL BETWEEN EXISTING STRUCTURE AND REINFORCING MEMBERS IN FULL CONTACT WITH EXISTING STEEL. SEALANT IS TO BE EXTERIOR GRADE, PAINTABLE SILICONE CAULKING AS MANUFACTURED BY DOW AND ACCEPTABLE TO EOR.
- HOLES SHALL NOT BE FLAME CUT THROUGH STEEL UNLESS APPROVED BY THE EOR.
- ALL EXPOSED STEEL SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123, ASTM A153/A153M, OR ASTM A583 GR5, AS APPLICABLE FOR FULL WEATHER PROTECTION. FOR HIGH STRENGTH STEEL FASTENERS WHERE HOT-DIPPED GALVANIZING IS NOT PERMITTED DUCROMET F1318 GRADE 3 COATING SHALL BE USED. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING TOWER STEEL. CONTRACTOR SHALL OBTAIN EOR APPROVAL FOR STEEL PROTECTION BY ANY OTHER MEANS.
- REPAIR DAMAGED PAINTED/GALVANIZED SURFACES WITH TWO COATS OF BRUSH OR ROLL ON ZINC OXIDE GALVANIZING COMPOUND OR EOR APPROVED COATING. SURFACES MUST BE WIRE BRUSHED AND SOLVENT CLEANED PRIOR TO APPLICATION OF GALVANIZING COMPOUND.
- ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES (LOCKING NUT/PAL NUT) TO BE INSTALLED IN ACCORDANCE WITH TIA/FAN22 REQUIREMENTS.
- ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE 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.



- 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.
- THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENT.

BOLT SCHEDULE					
BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING	
1/2	9/16	8/16x1/16	7/8	1-1/2	
5/8	13/16	11/16x7/8	1-1/8	1-7/8	
3/4	15/16	13/16x1	1-1/4	2-1/4	
7/8	15/16	15/16x1-1/8	1-1/2	2-5/8	
1	1-1/16	1-1/16x1-5/16	1-3/4	3	

SPACING	EDGE DISTANCE
- DIMENSIONS GIVEN IN INCHES.	- DIMENSIONS GIVEN IN INCHES.
- SHORT SLOT HOLES SHALL ONLY BE USED WHEN DICTATED ON THE PLANS.	

WORKABLE GAGES			
LEG	3	----	----
G	1-3/4	----	----

- DIMENSIONS GIVEN IN INCHES.

- MATCH EXISTING WHEN APPLICABLE.

PLANS PREPARED FOR:



PLANS PREPARED BY:



CARRIER:



DRAWING NOTES:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF CROWN CASTLE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF CROWN CASTLE.

MODIFICATION DRAWING

REV.	DATE	DESCRIPTION

SITE INFORMATION:

BETHANY (10035070)

710 AMITY ROAD
BETHANY, CT 06033

SITE NUMBER:

841295

POD NUMBER:

20-47835

DRAWN BY:

TJAI

CHECKED BY:

JGC

DATE:

06/15/2020

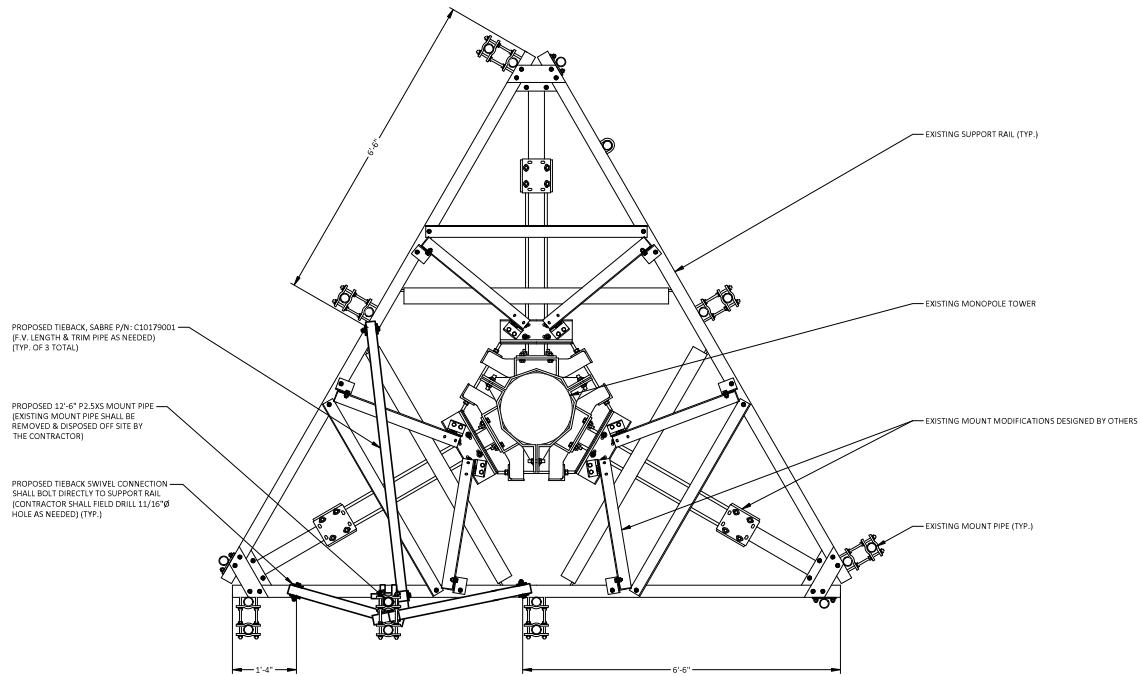
SHEET TITLE:

NOTES

N-01

NOTES:

- ANTENNAE & GRATING NOT SHOWN FOR CLARITY
- ALL FIELD DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF ZINC RICH PAINT
- EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR



PLAN VIEW
1/2" = 1'-0"

PLANS PREPARED FOR:



PLANS PREPARED BY:



CARRIER:



DRAWING NOTE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF CROWN CASTLE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF CROWN CASTLE.

MODIFICATION DRAWING

REV.	DATE	DESCRIPTION

REV.	DATE	DESCRIPTION

SITE INFORMATION:
BETHANY (10035070)
710 AMITY ROAD
BETHANY, CT 06023

SITE NUMBER:
841295

POD NUMBER: 20-47835
DRAWN BY: TAJ
CHECKED BY: JGC
DATE: 08/15/2020

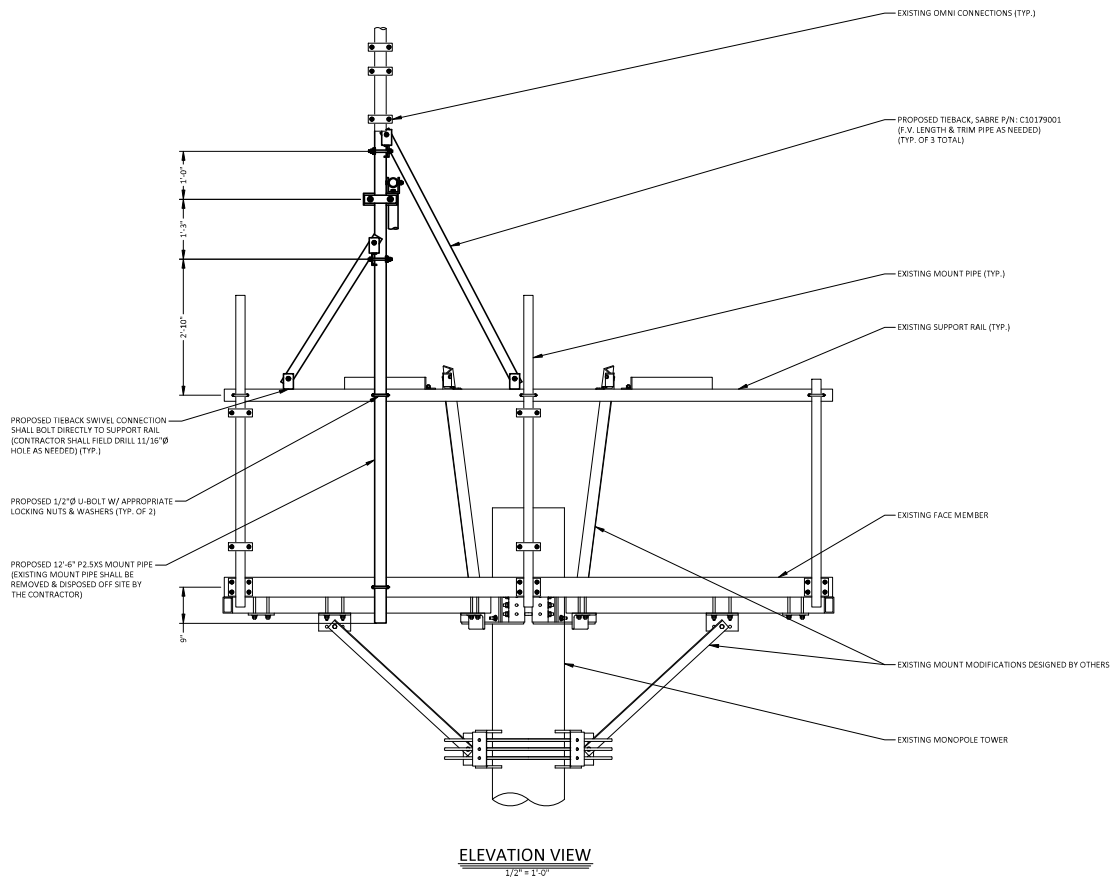
SHEET TITLE:

PLAN VIEW

S-01

NOTES:

- ANTENNAE & GRATING NOT SHOWN FOR CLARITY
- ALL FIELD DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF ZINC RICH PAINT
- EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR



PLANS PREPARED FOR:



PLANS PREPARED BY:



CARRIER:



DRAWING NOTES:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF CROWN CASTLE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF CROWN CASTLE.

MODIFICATION DRAWING

REV.	DATE	DESCRIPTION

SITE INFORMATION:

BETHANY (10035070)

710 AMITY ROAD
BETHANY, CT 06023

SITE NUMBER:
841295

POD NUMBER:	20-47835
DRAWN BY:	TAJ
CHECKED BY:	JGC
DATE:	08/15/2020

SHEET TITLE:

ELEVATION VIEW

S-02

PLANT PREPARED FOR:		
CROWN CASTLE		
PLANS PREPARED BY:		
 POWER OF DESIGN 2035 E. TURKYEYFOT LAKE RD. SUITE 200 ANTON, OHIO 44812 330-961-7432		
TABLE:		
DRAWING NOTES:		
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF CROWN CASTLE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF CROWN CASTLE.		
MODIFICATION DRAWING		
REV.		
DATE		
DESCRIPTION		
SITE INFORMATION:		
BETHANY (10035070)		
719 AMITY ROAD BETHANY, CT 06523		
SITE NUMBER:		
841295		
POD NUMBER:		
20-47630		
DRAWN BY:		
TAI		
CHECKED BY:		
JGC		
DATE:		
08/23/2020		
SHEET TITLE:		
MODIFICATION CHECKLIST		
MI-01		

GENERAL

- REVIEW THE REQUIREMENT OF THE MODIFICATION INSPECTION CHECKLIST
 - WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MODIFICATION INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
 - BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS
2. THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MODIFICATION INSPECTION CHECKLIST.

RECOMMENDATIONS:

1. IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, TO THE MODIFICATION INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR HE MODIFICATION INSPECTION TO BE CONDUCTED.
2. THE GC AND MODIFICATION INSPECTION COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
3. WHEN POSSIBLE IT IS PREFERRED TO HAVE THE MODIFICATION INSPECTOR AND GC ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR EXTENSIONING OPERATIONS.
4. IT MAY BE BENEFICIAL TO INSTALL ALL TOWER MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTION TO ALLOW FOUNDATION AND MODIFICATION (SECTION5)S DONE IN ONE SITE VISIT.
5. WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MODIFICATION INSPECTOR ON-SITE DURING THE MODIFICATION INSPECTION. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MODIFICATION INSPECTION CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES AT THEIR DISPOSAL. WHEN THE MODIFICATION IS ON-SITE.

CANCELLATION OR DELAYS IN SCHEDULED MODIFICATION INSPECTION:

1. IF THE GC AND MODIFICATION INSPECTOR AGREE TO A DATE ON WHICH THE MODIFICATION INSPECTION WILL BE CONDUCTED, AND EITHER PARTY CANCELS OR DELAYS, THE TOWER OWNER SHALL NOT BE RESPONSIBLE FOR ANY COSTS, FEES, LOSS OR DEPOSITS AND/OR OTHER PENALTIES RELATE TO THE CANCELLATION OR DELAY INCURRED BY EITHER PARTY FOR ANY TIME. EXCEPTIONS MAY BE MADE IN THE DELAY/ CANCELLATION IS CAUSED BY WEATHER OR OTHER CONDITIONS THAT MAY COMPROMISE THE SAFETY OF THE PARTIES INVOLVED.

CORRECTION OF FAILING MODIFICATION INSPECTION:

1. IF THE MODIFICATION INSTALLATION WOULD FAIL THE MODIFICATION

INSPECTION ("FAILED MODIFICATION INSPECTION"), THE GC SHALL WORK WITH MODIFICATION INSPECTOR TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MODIFICATION INSPECTION. OR, WITH TOWER OWNER'S APPROVAL, THE GC MAY WORK WITH THE ENGINEER OF RECORD TO REANALYZE THE MODIFICATION/REINFORCEMENT USING AS-BUILT CONDITION.

VERIFICATION INSPECTIONS

1. TOWER OWNER RESERVES THE RIGHT TO CONDUCT A VERIFICATION INSPECTION TO VERIFY THE ACCURACY AND COMPLETENESS OF PREVIOUSLY COMPLETED MODIFICATION AND INSPECTION(S) ON TOWER MODIFICATION PRODUCTS.
2. VERIFICATION INSPECTION MAY BE CONDUCTED BY AN INDEPENDENT FIRM AFTER A MODIFICATION PROJECT IS COMPLETED, AS MARKED BY THE DATE OF AN ACCEPTED "PASSING MODIFICATION INSPECTION MODIFICATION INSPECTION".

REQUIRED PHOTOS:

1. BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS ARE TO BE TAKEN AND INCLUDED IN THE MODIFICATION INSPECTION REPORT:

- PRECONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION

- RAW MATERIALS
- PHOTOS OF ALL CRITICAL DETAILS
- WELD PREPARATION
- FOUNDATION MODIFICATION
- BOLT INSTALLATION AND TORQUE
- FINAL INSTALLED CONDITION
- SURFACE COATING REPAIR

- POST CONDITION PHOTOGRAPHS

- FINAL INFILDT CONDITION ANY OTHER PHOTOS DEEMED RELEVANT TO SHOW COMPLETE DENTALS OF MODIFICATIONS
2. PHOTOS OF ELEVATED MODIFICATIONS TAKEN FROM THE GROUND SHALL BE CONSIDERED INADEQUATE

Exhibit F

Power Density/RF Emissions Report



RF EMISSIONS COMPLIANCE REPORT

Crown Castle on behalf of AT&T Mobility, LLC

Crown Castle Site Name: BETHANY
Crown Castle Site BU: 841295
AT&T Mobility, LLC FA #: 10035070
719 Amity Road
Bethany, CT
6/11/2020

Report Status:

AT&T Mobility, LLC is Compliant



Michael Fischer, P.E.
Registered Professional Engineer (Electrical)
Connecticut License Number 33928
Expires January 31, 2021

Signed 11 June 2020

Prepared By:

Site Safe, LLC

Engineering Statement in Re:
Electromagnetic Energy Analysis
Crown Castle
Bethany, CT

My signature on the cover of this document indicates:

That I am registered as a Professional Engineer in the jurisdiction indicated; and

That I have extensive professional experience in the wireless communications engineering industry; and

That I am an employee of Site Safe, LLC in Vienna, Virginia; and

That I am thoroughly familiar with the Rules and Regulations of the Federal Communications Commission ("the FCC" and "the FCC Rules") both in general and specifically as they apply to the FCC's Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields; and

That the technical information serving as the basis for this report was supplied by Crown Castle on behalf of AT&T Mobility, LLC (see attached Site Summary and Carrier documents) and that AT&T Mobility, LLC's installation involves communications equipment, antennas and associated technical equipment at a location referred to as "BETHANY" ("the site"); and

That AT&T Mobility, LLC proposes to operate at the site with transmit antennas listed in the carrier summary and with a maximum effective radiated power as specified by AT&T Mobility, LLC and shown on the worksheet and that worst-case 100% duty cycle has been assumed; and

That this analysis has been performed with the assumption that the ground immediately surrounding the tower is primarily flat or falling; and

That at this time, the FCC requires that certain licensees address specific levels of radio frequency energy to which workers or members of the public might possibly be exposed (at §1.1307(b) of the FCC Rules); and

That such consideration of possible exposure of humans to radio frequency energy must utilize the standards set by the FCC, which is the federal agency having jurisdiction over communications facilities; and

That the FCC rules define two tiers of permissible exposure guidelines: 1) "uncontrolled environments," which defines situations in which persons may not be aware of (the "general public"), or may not be able to control their exposure to a transmission facility; and 2) "controlled environments," which defines situations in which persons are aware of their potential for exposure (industry personnel); and

That this statement specifically addresses the uncontrolled environment (which is more conservative than the controlled environment) and the limit set forth in the FCC rules for licensees of AT&T Mobility, LLC's operating frequencies as shown on the attached antenna worksheet; and

That when applying the uncontrolled environment standards, the predicted Maximum Power Density at two meters above ground level from the proposed AT&T Mobility, LLC operation is

no more than 1.793% of the maximum permissible exposure limits in any accessible area on the ground; and

That it is understood per FCC Guidelines and OET 65 Appendix A, that regardless of the existent radio frequency environment, only those licensees whose contributions exceed 5% of the exposure limit pertinent to their operation(s) bear any responsibility for bringing any non-compliant area(s) into compliance; and

That when applying the uncontrolled environment standards, the cumulative predicted energy density from the proposed operation is no more than 6.117% of the maximum in any accessible area up to two meters above the ground per OET 65; and

That the calculations provided in this report are based on data provided by the client and antenna pattern data supplied by the antenna manufacturer, in accordance with FCC guidelines listed in OET 65. Horizontal and vertical antenna patterns are combined for modeling purposes to accurately reflect the energy two meters above ground level where on-axis energy refers to maximum energy two meters above the ground along the azimuth of the antenna and where area energy refers to the maximum energy anywhere two meters above the ground regardless of the antenna azimuth, accounting for cumulative energy from multiple antennas for the carrier(s) and frequency range(s) indicated; and

That the Occupational Safety and Health Administration has policies in place which address worker safety in and around communications sites, thus individual companies will be responsible for their employees' training regarding radio frequency safety; and

In summary, it is stated here that the proposed operation at the site will not result in exposure of the public to excessive levels of radio frequency energy as defined in the FCC Rules and Regulations, specifically 47 CFR 1.1307(b), and that AT&T Mobility, LLC's proposed operation is completely compliant.

Finally, it is stated that access to the tower should be restricted to communication industry professionals and approved contractor personnel trained in radio frequency safety and that this instant analysis addresses exposure levels at two meters above ground level and does not address exposure levels on the tower or in the immediate proximity of the antennas.

**Crown Castle
BETHANY
Site Summary**

Carrier	Area Maximum Percentage MPE
AT&T Mobility, LLC	0.070 %
AT&T Mobility, LLC (Proposed)	0.522 %
AT&T Mobility, LLC (Proposed)	0.261 %
AT&T Mobility, LLC (Proposed)	0.252 %
AT&T Mobility, LLC (Proposed)	0.499 %
AT&T Mobility, LLC (Proposed)	0.189 %
MetroPCS	0.225 %
MetroPCS	0.225 %
MetroPCS	0.401 %
MetroPCS	0.327 %
Sprint	0.327 %
Sprint	0.221 %
Sprint	0.221 %
Sprint	0.167 %
Verizon Wireless	0.574 %
Verizon Wireless	0.662 %
Verizon Wireless	0.510 %
Verizon Wireless	0.464 %
Verizon Wireless (not in service)	0.000 %
Composite Site MPE:	6.117 %

**AT&T Mobility, LLC
BETHANY
Carrier Summary**

Frequency:	850	MHz
Maximum Permissible Exposure (MPE):	566.67	$\mu\text{W}/\text{cm}^2$
Maximum power density at ground level:	0.39538	$\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure:	0.06977	%

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
Kathrein-Scala	800-10121	149	21	521	0.231314	0.040820	0.353192	0.062328
Kathrein-Scala	800-10121	149	139	521	0.231314	0.040820	0.353192	0.062328
Kathrein-Scala	800-10121	149	260	521	0.231314	0.040820	0.353192	0.062328

AT&T Mobility, LLC (Proposed)
BETHANY
Carrier Summary

Frequency: 1900 MHz
Maximum Permissible Exposure (MPE): 1000 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 5.21543 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.52154 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
CCI Antennas	DMP65R-BU6D	149	21	4075	4.270403	0.426903	5.175184	0.517518
CCI Antennas	DMP65R-BU6D	149	139	4075	4.270403	0.42704	5.175184	0.517518
CCI Antennas	DMP65R-BU6D	149	260	4075	4.270403	0.427040	5.175184	0.517518

AT&T Mobility, LLC (Proposed)
BETHANY
Carrier Summary

Frequency: 850 MHz
Maximum Permissible Exposure (MPE): 566.67 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 1.48029 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.26123 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
CCI Antennas	DMP65R-BU6D	149	21	2239	0.792756	0.139898	1.431358	0.252593
CCI Antennas	DMP65R-BU6D	149	139	2239	0.792756	0.139898	1.431358	0.252593
CCI Antennas	DMP65R-BU6D	149	260	2239	0.792756	0.139898	1.431358	0.252593

AT&T Mobility, LLC (Proposed)
BETHANY
Carrier Summary

Frequency: 737 MHz
Maximum Permissible Exposure (MPE): 491.33 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 1.23588 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.25154 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
CCI Antennas	DMP65R-BU6D	149	21	2400	0.844925	0.171966	1.089877	0.221820
CCI Antennas	DMP65R-BU6D	149	139	2400	0.844925	0.172075	1.089877	0.22182
CCI Antennas	DMP65R-BU6D	149	260	2400	0.844925	0.171966	1.089877	0.22182

AT&T Mobility, LLC (Proposed)
BETHANY
Carrier Summary

Frequency:	2100	MHz
Maximum Permissible Exposure (MPE):	1000	$\mu\text{W}/\text{cm}^2$
Maximum power density at ground level:	4.99382	$\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure:	0.49938	%

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
CCI	OPA65R-BU6D	149	21	4562	3.573871	0.357387	4.929214	0.492921
CCI	OPA65R-BU6D	149	139	4562	3.573871	0.352637	4.929214	0.492921
CCI	OPA65R-BU6D	149	260	4562	3.573871	0.357387	4.929214	0.492921

AT&T Mobility, LLC (Proposed)
BETHANY
Carrier Summary

Frequency: 763 MHz
Maximum Permissible Exposure (MPE): 508.67 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 0.95906 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.18854 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
CCI	OPA65R-BU6D	149	21	2450	0.867687	0.170581	0.887038	0.174385
CCI	OPA65R-BU6D	149	139	2450	0.867687	0.170581	0.887038	0.174385
CCI	OPA65R-BU6D	149	260	2450	0.867687	0.170581	0.887038	0.174385

**MetroPCS
BETHANY
Carrier Summary**

Frequency: 2100 MHz
Maximum Permissible Exposure (MPE): 1000 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 2.25000 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.22500 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
Ericsson	AIR 21 B4A B2P	123	30	4123	1.335476	0.133588	1.534667	0.153467
Ericsson	AIR 21 B4A B2P	123	150	4123	1.335476	0.133548	1.534667	0.153467
Ericsson	AIR 21 B4A B2P	123	270	4123	1.335476	0.133548	1.534667	0.153467

**MetroPCS
BETHANY
Carrier Summary**

Frequency: 1900 MHz
Maximum Permissible Exposure (MPE): 1000 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 2.25000 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.22500 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
Ericsson	AIR 21 B4A B2P	123	30	4123	1.335476	0.133588	1.534667	0.153467
Ericsson	AIR 21 B4A B2P	123	150	4123	1.335476	0.133548	1.534667	0.153467
Ericsson	AIR 21 B4A B2P	123	270	4123	1.335476	0.133548	1.534667	0.153467

**MetroPCS
BETHANY
Carrier Summary**

Frequency: 700 MHz
Maximum Permissible Exposure (MPE): 466.67 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 1.87288 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.40133 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
RFS	APXVAARR24_43-U-NA20	122	30	3484	1.494825	0.320320	1.607268	0.344415
RFS	APXVAARR24_43-U-NA20	122	150	3484	1.494825	0.320320	1.607268	0.344415
RFS	APXVAARR24_43-U-NA20	122	270	3484	1.494825	0.320320	1.607268	0.344415

MetroPCS BETHANY Carrier Summary

Frequency: 600 MHz
Maximum Permissible Exposure (MPE): 400 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 1.30864 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.32716 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
RFS	APXVAARR24_43-U-NA20	122	30	2501	1.187935	0.296984	1.225489	0.306372
RFS	APXVAARR24_43-U-NA20	122	150	2501	1.187935	0.296984	1.225489	0.306372
RFS	APXVAARR24_43-U-NA20	122	270	2501	1.187935	0.296984	1.225489	0.306372

Sprint BETHANY Carrier Summary

Frequency: 2500 MHz
Maximum Permissible Exposure (MPE): 1000 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 3.27204 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.32720 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
RFS	APXVTM14-C-I20	130	30	6168	1.353541	0.135354	2.538442	0.253844
RFS	APXVTM14-C-I20	130	150	6168	1.353541	0.135354	2.538442	0.253844
RFS	APXVTM14-C-I20	130	270	6168	1.353541	0.135354	2.538442	0.253844

**Sprint
BETHANY
Carrier Summary**

Frequency: 1990 MHz
Maximum Permissible Exposure (MPE): 1000 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 2.21188 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.22119 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
RFS	APXVSPP18-C-A20	130	30	3804	1.055456	0.105546	2.047048	0.204705
RFS	APXVSPP18-C-A20	130	150	3804	1.055456	0.105546	2.047048	0.204705
RFS	APXVSPP18-C-A20	130	270	3804	1.055456	0.105546	2.047048	0.204705

**Sprint
BETHANY
Carrier Summary**

Frequency:	1900	MHz
Maximum Permissible Exposure (MPE):	1000	$\mu\text{W}/\text{cm}^2$
Maximum power density at ground level:	2.21188	$\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure:	0.22119	%

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
RFS	APXVSPP18-C-A20	130	30	3804	1.055456	0.105546	2.047048	0.204705
RFS	APXVSPP18-C-A20	130	150	3804	1.055456	0.105546	2.047048	0.204705
RFS	APXVSPP18-C-A20	130	270	3804	1.055456	0.105546	2.047048	0.204705

Sprint BETHANY Carrier Summary

Frequency: 862 MHz
Maximum Permissible Exposure (MPE): 574.67 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 0.96194 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.16739 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
RFS	APXVSPP18-C-A20	130	30	2168	0.901375	0.156852	0.936513	0.162966
RFS	APXVSPP18-C-A20	130	150	2168	0.901375	0.156852	0.936513	0.162966
RFS	APXVSPP18-C-A20	130	270	2168	0.901375	0.156852	0.936513	0.162966

**Verizon Wireless
BETHANY
Carrier Summary**

Frequency:	2100	MHz
Maximum Permissible Exposure (MPE):	1000	μW/cm ²
Maximum power density at ground level:	5.74305	μW/cm ²
Highest percentage of Maximum Permissible Exposure:	0.57430	%

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density (μW/cm ²)	Percent of MPE	Max Power Density (μW/cm ²)	Percent of MPE
Commscope	NHH-65C-R2B	139	0	6297	3.532729	0.353273	5.713472	0.571347
Commscope	NHH-65C-R2B	139	120	6297	3.532729	0.353273	5.713472	0.571347
Commscope	NHH-65C-R2B	139	240	6297	3.532729	0.353273	5.713472	0.571347

Verizon Wireless
BETHANY
Carrier Summary

Frequency: 1900 MHz
Maximum Permissible Exposure (MPE): 1000 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 6.62270 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.66227 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
Commscope	NHH-65C-R2B	139	0	5599	5.422577	0.542258	6.550153	0.655015
Commscope	NHH-65C-R2B	139	120	5599	5.422577	0.542258	6.550153	0.655015
Commscope	NHH-65C-R2B	139	240	5599	5.422577	0.542258	6.550153	0.655015

Verizon Wireless
BETHANY
Carrier Summary

Frequency: 850 MHz
Maximum Permissible Exposure (MPE): 566.67 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 2.89067 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.51012 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
Commscope	NHH-65C-R2B	139	0	3492	1.863092	0.328781	2.747364	0.484829
Commscope	NHH-65C-R2B	139	120	3492	1.863092	0.328781	2.747364	0.484829
Commscope	NHH-65C-R2B	139	240	3492	1.863092	0.328781	2.747364	0.484829

**Verizon Wireless
BETHANY
Carrier Summary**

Frequency:	751	MHz
Maximum Permissible Exposure (MPE):	500.67	$\mu\text{W}/\text{cm}^2$
Maximum power density at ground level:	2.32391	$\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure:	0.46416	%

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
Commscope	NHH-65C-R2B	139	0	3320	1.224810	0.244636	2.191546	0.437726
Commscope	NHH-65C-R2B	139	120	3320	1.224810	0.244636	2.191546	0.437726
Commscope	NHH-65C-R2B	139	240	3320	1.224810	0.244636	2.191546	0.437726

Verizon Wireless (not in service)
BETHANY
Carrier Summary

Frequency: 850 MHz
Maximum Permissible Exposure (MPE): 566.67 $\mu\text{W}/\text{cm}^2$
Maximum power density at ground level: 0.00000 $\mu\text{W}/\text{cm}^2$
Highest percentage of Maximum Permissible Exposure: 0.00000 %

					On Axis		Area	
Antenna Make	Model	Height (feet)	Orientation (degrees true)	ERP (Watts)	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE	Max Power Density ($\mu\text{W}/\text{cm}^2$)	Percent of MPE
ANDREW	DB854DG65T6ESX	139	0	0	0.000000	0.000000	0.000000	0.000000
ANDREW	DB854DG65T6ESX	139	120	0	0.000000	0.000000	0.000000	0.000000
ANDREW	DB854DG65T6ESX	139	240	0	0.000000	0.000000	0.000000	0.000000